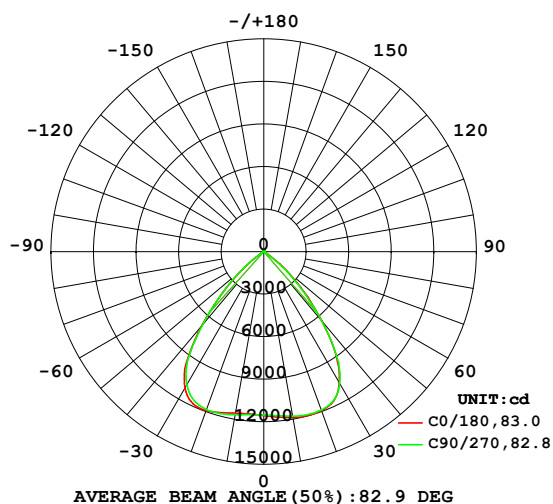


## LUMINAIRE PHOTOMETRIC TEST REPORT

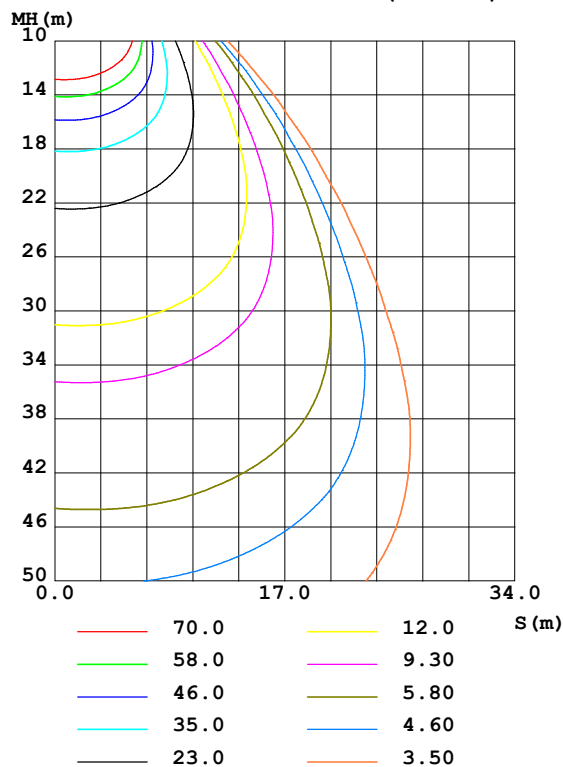
|   |           |                  |
|---|-----------|------------------|
| Test:U:120.5V I:1.206A P:145.1W PF:0.9980 Freq:59.98Hz Lamp Flux:19533.6x1 lm |           |                  |
| NAME: H17-RAL-150W-3K   | TYPE:     | WEIGHT:          |
| SPEC.:  | DIM.:     | SERIAL No.:      |
| MFR.: RAB LIGHTING INC  | SUR.:0.23 | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA Eff: 134.63 lm/W |        |                   |          |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL            |         | I <sub>max</sub> (cd)             | 11971  | S/MH(C0/180)      | 1.21     |
| NOMINAL POWER(W) | 150     | LOR(%)                            | 100.0  | S/MH(C90/270)     | 1.20     |
| RATED VOLTAGE(V) | 120     | TOTAL FLUX(lm)                    | 19534  | □ UP,DN(C0-180)   | 0.5,49.0 |
| NOMINAL FLUX(lm) | 19533.6 | CIE CLASS                         | DIRECT | □ UP,DN(C180-360) | 0.5,50.0 |
| LAMPS INSIDE     | 1       | □ up(%)                           | 1.0    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 120     | □ down(%)                         | 99.0   | CIBSE SHR MAX     | 1.25     |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
Operators: Marvin Ma  
Test Date: 2022-09-01

□ Range: 0 - 180DEG  
□ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity: 56%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| °   | C0                       | C45    | C90    | C135   | C180   | C225   | C270   | C315   | °       | □ zone  | □ total | %lum, lamp |
|-----|--------------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|------------|
| 10  | 1188                     | 1185   | 1179   | 1162   | 1157   | 1153   | 1168   | 1180   | 0- 10   | 1110    | 1110    | 5.68,5.68  |
| 20  | 1194                     | 1192   | 1188   | 1190   | 1193   | 1187   | 1185   | 1185   | 10- 20  | 3357    | 4467    | 22.9,22.9  |
| 30  | 1067                     | 1055   | 1072   | 1104   | 1110   | 1111   | 1085   | 1060   | 20- 30  | 5337    | 9804    | 50.2,50.2  |
| 40  | 639.2                    | 601.9  | 629.9  | 679.5  | 677.6  | 712.4  | 671.4  | 621.8  | 30- 40  | 5588    | 15393   | 78.8,78.8  |
| 50  | 209.9                    | 194.4  | 201.8  | 212.8  | 204.4  | 225.6  | 212.7  | 190.7  | 40- 50  | 3157    | 18550   | 95,95      |
| 60  | 16.67                    | 13.84  | 14.72  | 16.43  | 15.35  | 18.63  | 18.84  | 17.25  | 50- 60  | 671.3   | 19221   | 98.4,98.4  |
| 70  | 4.329                    | 3.795  | 3.958  | 4.215  | 4.118  | 5.000  | 5.618  | 5.112  | 60- 70  | 82.63   | 19304   | 98.8,98.8  |
| 80  | 1.456                    | 1.358  | 1.367  | 1.395  | 1.283  | 1.538  | 1.688  | 1.586  | 70- 80  | 29.07   | 19333   | 99,99      |
| 90  | 0.2889                   | 0.3017 | 0.2905 | 0.2870 | 0.2670 | 0.2422 | 0.2419 | 0.2582 | 80- 90  | 7.771   | 19340   | 99,99      |
| 100 | 0.6585                   | 0.6833 | 0.6693 | 0.6249 | 0.6013 | 0.5502 | 0.5713 | 0.5992 | 90-100  | 4.567   | 19345   | 99,99      |
| 110 | 1.427                    | 1.446  | 1.439  | 1.326  | 1.316  | 1.206  | 1.294  | 1.313  | 100-110 | 9.997   | 19355   | 99.1,99.1  |
| 120 | 2.590                    | 2.560  | 2.593  | 2.393  | 2.419  | 2.237  | 2.423  | 2.392  | 110-120 | 18.52   | 19373   | 99.2,99.2  |
| 130 | 3.958                    | 3.810  | 3.960  | 3.630  | 3.818  | 3.493  | 3.804  | 3.664  | 120-130 | 27.75   | 19401   | 99.3,99.3  |
| 140 | 5.194                    | 5.052  | 5.179  | 4.859  | 5.141  | 4.753  | 5.169  | 4.930  | 130-140 | 34.08   | 19435   | 99.5,99.5  |
| 150 | 6.177                    | 6.301  | 6.207  | 6.153  | 6.248  | 6.175  | 6.264  | 6.326  | 140-150 | 35.29   | 19471   | 99.7,99.7  |
| 160 | 7.424                    | 7.495  | 7.485  | 7.335  | 7.512  | 7.422  | 7.542  | 7.589  | 150-160 | 31.43   | 19502   | 99.8,99.8  |
| 170 | 8.825                    | 8.768  | 8.805  | 8.630  | 8.873  | 8.717  | 8.893  | 8.853  | 160-170 | 22.92   | 19525   | 100,100    |
| 180 | 9.667                    | 9.536  | 9.644  | 9.540  | 9.683  | 9.529  | 9.650  | 9.544  | 170-180 | 8.717   | 19534   | 100,100    |
| DEG | LUMINOUS INTENSITY:×10cd |        |        |        |        |        |        |        |         | UNIT:lm |         |            |

Conical surface Flux(90deg): 17334 lm

%lum = 88.7%

%lamp = 88.7%

Conical surface Flux(120deg): 19221 lm

%lum = 98.4%

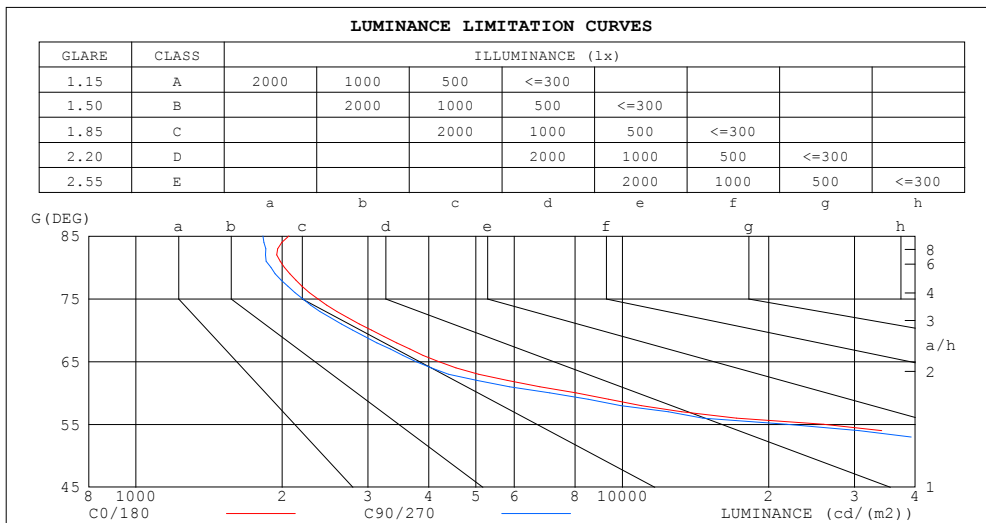
%lamp = 98.4%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Marvin Ma  
 Test Date:2022-09-01

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

|   |           |                  |
|---|-----------|------------------|
| Test:U:120.5V I:1.206A P:145.1W PF:0.9980 Freq:59.98Hz Lamp Flux:19533.6x1 lm |           |                  |
| NAME: H17-RAL-150W-3K   | TYPE:     | WEIGHT:          |
| SPEC.:  | DIM.:     | SERIAL No.:      |
| MFR.: RAB LIGHTING INC  | SUR.:0.23 | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 2063   | 1825    |
| 80                | 2020   | 1897    |
| 75                | 2366   | 2202    |
| 70                | 3050   | 2788    |
| 65                | 4189   | 3763    |
| 60                | 8033   | 7092    |
| 55                | 25863  | 21707   |
| 50                | 78689  | 75652   |
| 45                | 136129 | 131246  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Marvin Ma  
Test Date:2022-09-01

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity:56%  
Test Distance:6.500m [K=1.0000]  
Remarks:

## WEC AND CCEC

|   |           |                  |
|---|-----------|------------------|
| Test:U:120.5V I:1.206A P:145.1W PF:0.9980 Freq:59.98Hz Lamp Flux:19533.6x1 lm |           |                  |
| NAME: H17-RAL-150W-3K   | TYPE:     | WEIGHT:          |
| SPEC.:  | DIM.:     | SERIAL No.:      |
| MFR.: RAB LIGHTING INC  | SUR.:0.23 | Shielding Angle: |

|                             |  |                |                |                |                |   |
|-----------------------------|--|----------------|----------------|----------------|----------------|---|
| <input type="checkbox"/> cc | 80%  | 70%            | 50%            | 30%            | 10%            | 0 |
| <input type="checkbox"/> w  | 50% 30% 10%  | 50% 30% 10%    | 50% 30% 10%    | 50% 30% 10%    | 50% 30% 10%    | 0 |
| <input type="checkbox"/> fc | 20%  | 20%            | 20%            | 20%            | 20%            | 0 |
| RCR                         | RCR:Room Cavity Ratio Wall Exitance Coefficients (WEC) |                |                |                |                |   |
| 0.0                         |  |                |                |                |                |   |
| 1.0                         | .202 .115 .036   | .194 .111 .035 | .181 .104 .033 | .169 .097 .031 | .158 .091 .029 |   |
| 2.0                         | .196 .108 .033   | .190 .105 .032 | .179 .099 .031 | .168 .094 .030 | .159 .090 .028 |   |
| 3.0                         | .189 .100 .030   | .183 .098 .030 | .174 .094 .029 | .164 .090 .028 | .156 .086 .027 |   |
| 4.0                         | .180 .094 .028   | .176 .092 .027 | .167 .089 .026 | .159 .085 .026 | .152 .082 .025 |   |
| 5.0                         | .172 .088 .025   | .168 .086 .025 | .161 .084 .025 | .154 .081 .024 | .147 .078 .024 |   |
| 6.0                         | .164 .082 .024   | .161 .081 .023 | .154 .079 .023 | .148 .077 .023 | .142 .075 .022 |   |
| 7.0                         | .157 .078 .022   | .154 .077 .022 | .148 .075 .022 | .142 .073 .021 | .137 .071 .021 |   |
| 8.0                         | .150 .073 .021   | .147 .072 .020 | .142 .071 .020 | .136 .069 .020 | .132 .068 .020 |   |
| 9.0                         | .143 .069 .019   | .141 .069 .019 | .136 .067 .019 | .131 .066 .019 | .127 .064 .019 |   |
| 10.0                        | .137 .066 .018   | .135 .065 .018 | .130 .064 .018 | .126 .062 .018 | .122 .061 .018 |   |

|                             |   |                |                |                |                |   |
|-----------------------------|---|----------------|----------------|----------------|----------------|---|
| <input type="checkbox"/> cc | 80%   | 70%            | 50%            | 30%            | 10%            | 0 |
| <input type="checkbox"/> w  | 50% 30% 10%   | 50% 30% 10%    | 50% 30% 10%    | 50% 30% 10%    | 50% 30% 10%    | 0 |
| <input type="checkbox"/> fc | 20%   | 20%            | 20%            | 20%            | 20%            | 0 |
| RCR                         | RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients (CCEC) |                |                |                |                |   |
| 0.0                         | .198 .198 .198  | .169 .169 .169 | .116 .116 .116 | .066 .066 .066 | .021 .021 .021 |   |
| 1.0                         | .180 .165 .151  | .154 .141 .130 | .106 .097 .090 | .061 .056 .052 | .019 .018 .017 |   |
| 2.0                         | .167 .140 .117  | .143 .121 .101 | .098 .083 .071 | .057 .049 .041 | .018 .016 .014 |   |
| 3.0                         | .156 .121 .093  | .134 .105 .081 | .092 .073 .057 | .053 .043 .034 | .017 .014 .011 |   |
| 4.0                         | .148 .107 .076  | .127 .093 .066 | .087 .065 .047 | .050 .038 .028 | .016 .012 .009 |   |
| 5.0                         | .140 .096 .064  | .120 .083 .055 | .083 .058 .039 | .048 .034 .023 | .015 .011 .008 |   |
| 6.0                         | .133 .087 .054  | .115 .075 .047 | .079 .053 .033 | .046 .031 .020 | .015 .010 .007 |   |
| 7.0                         | .127 .080 .047  | .110 .069 .041 | .076 .049 .029 | .044 .029 .017 | .014 .009 .006 |   |
| 8.0                         | .122 .074 .041  | .105 .064 .036 | .073 .045 .025 | .042 .027 .015 | .014 .009 .005 |   |
| 9.0                         | .117 .069 .037  | .101 .060 .032 | .070 .042 .023 | .041 .025 .014 | .013 .008 .004 |   |
| 10.0                        | .112 .065 .033  | .097 .056 .029 | .067 .040 .021 | .039 .023 .012 | .013 .008 .004 |   |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Marvin Ma  
Test Date:2022-09-01

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity:56%  
Test Distance:6.500m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

|   |                  |      |      |      |           |                |      |                  |      |      |
|---|------------------|------|------|------|-----------|----------------|------|------------------|------|------|
| Test:U:120.5V I:1.206A P:145.1W PF:0.9980 Freq:59.98Hz Lamp Flux:19533.6x1 lm |                  |      |      |      |           |                |      |                  |      |      |
| NAME: H17-RAL-150W-3K   |                  |      |      |      | TYPE:     |                |      | WEIGHT:          |      |      |
| SPEC.:  |                  |      |      |      | DIM.:     |                |      | SERIAL No.:      |      |      |
| MFR.: RAB LIGHTING INC  |                  |      |      |      | SUR.:0.23 |                |      | Shielding Angle: |      |      |
| ceiling/cavity  | 0.7              | 0.7  | 0.5  | 0.5  | 0.3       | 0.7            | 0.7  | 0.5              | 0.5  | 0.3  |
| walls   | 0.5              | 0.3  | 0.5  | 0.3  | 0.3       | 0.5            | 0.3  | 0.5              | 0.3  | 0.3  |
| working plane   | 0.2              | 0.2  | 0.2  | 0.2  | 0.2       | 0.2            | 0.2  | 0.2              | 0.2  | 0.2  |
| Room dimensions   | Viewed crosswise |      |      |      |           | Viewed endwise |      |                  |      |      |
| x = 2H y = 2H   | 25.7             | 26.9 | 26.0 | 27.0 | 27.2      | 25.7           | 26.8 | 25.9             | 27.0 | 27.2 |
| 3H  | 25.5             | 26.6 | 25.8 | 26.8 | 27.0      | 25.5           | 26.5 | 25.8             | 26.7 | 27.0 |
| 4H  | 25.5             | 26.4 | 25.8 | 26.7 | 26.9      | 25.4           | 26.3 | 25.7             | 26.6 | 26.8 |
| 6H  | 25.4             | 26.3 | 25.7 | 26.5 | 26.8      | 25.3           | 26.2 | 25.6             | 26.5 | 26.7 |
| 8H  | 25.3             | 26.2 | 25.6 | 26.4 | 26.7      | 25.2           | 26.1 | 25.6             | 26.4 | 26.7 |
| 12H   | 25.3             | 26.1 | 25.6 | 26.4 | 26.7      | 25.2           | 26.0 | 25.5             | 26.3 | 26.6 |
| 4H 2H   | 25.5             | 26.4 | 25.8 | 26.7 | 26.9      | 25.4           | 26.4 | 25.7             | 26.6 | 26.9 |
| 3H  | 25.3             | 26.1 | 25.6 | 26.4 | 26.7      | 25.2           | 26.0 | 25.6             | 26.3 | 26.6 |
| 4H  | 25.2             | 25.9 | 25.6 | 26.2 | 26.6      | 25.1           | 25.9 | 25.5             | 26.2 | 26.5 |
| 6H  | 25.1             | 25.7 | 25.5 | 26.1 | 26.5      | 25.0           | 25.7 | 25.4             | 26.0 | 26.4 |
| 8H  | 25.0             | 25.6 | 25.5 | 26.0 | 26.4      | 25.0           | 25.6 | 25.4             | 25.9 | 26.3 |
| 12H   | 25.0             | 25.5 | 25.4 | 25.9 | 26.3      | 24.9           | 25.5 | 25.4             | 25.9 | 26.3 |
| 8H 4H   | 25.0             | 25.6 | 25.5 | 26.0 | 26.4      | 25.0           | 25.6 | 25.4             | 25.9 | 26.3 |
| 6H  | 24.9             | 25.4 | 25.4 | 25.8 | 26.3      | 24.9           | 25.4 | 25.3             | 25.8 | 26.2 |
| 8H  | 24.9             | 25.3 | 25.4 | 25.8 | 26.2      | 24.8           | 25.3 | 25.3             | 25.7 | 26.2 |
| 12H   | 24.8             | 25.2 | 25.3 | 25.7 | 26.2      | 24.8           | 25.1 | 25.3             | 25.6 | 26.1 |
| 12H 4H  | 25.0             | 25.5 | 25.4 | 25.9 | 26.3      | 24.9           | 25.5 | 25.4             | 25.9 | 26.3 |
| 6H  | 24.9             | 25.3 | 25.4 | 25.8 | 26.2      | 24.8           | 25.3 | 25.3             | 25.7 | 26.2 |
| 8H  | 24.8             | 25.2 | 25.3 | 25.7 | 26.2      | 24.8           | 25.1 | 25.3             | 25.6 | 26.1 |
| Variations with the observer position at spacings:                            |                  |      |      |      |           |                |      |                  |      |      |
| S = 1.0H  | + 2.5 / -12.7    |      |      |      |           | + 2.5 / -13.1  |      |                  |      |      |
| 1.5H  | + 3.4 / -10.8    |      |      |      |           | + 3.5 / -11.1  |      |                  |      |      |
| 2.0H  | + 6.2 / -14.1    |      |      |      |           | + 6.3 / -14.1  |      |                  |      |      |

CIE Pub.117, 19534 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 10.3$ )

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Marvin Ma  
 Test Date:2022-09-01

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

|   |           |                  |
|---|-----------|------------------|
| Test:U:120.5V I:1.206A P:145.1W PF:0.9980 Freq:59.98Hz Lamp Flux:19533.6x1 lm |           |                  |
| NAME: H17-RAL-150W-3K   | TYPE:     | WEIGHT:          |
| SPEC.:  | DIM.:     | SERIAL No.:      |
| MFR.: RAB LIGHTING INC  | SUR.:0.23 | Shielding Angle: |

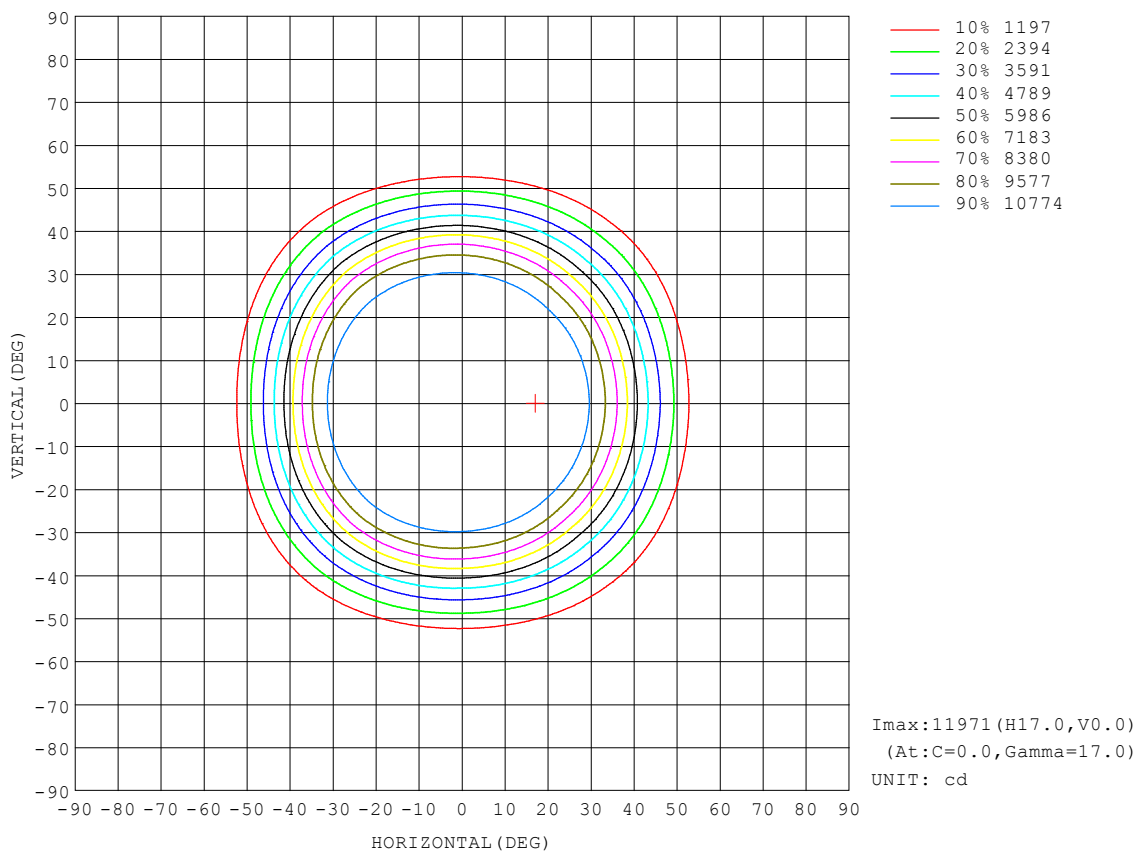
| REFLECTANCE                      |  |     |           |     |     |     |     |               |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7  | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2  | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 78   | 70  | 65        | 77  | 70  | 65  | 76  | 69            | 65  | 61     |
| 0.80                             | 87   | 80  | 75        | 86  | 79  | 75  | 85  | 78            | 74  | 70     |
| 1.00                             | 93   | 86  | 82        | 92  | 86  | 82  | 91  | 86            | 81  | 76     |
| 1.25                             | 99   | 92  | 88        | 97  | 92  | 88  | 95  | 90            | 87  | 82     |
| 1.50                             | 102  | 96  | 92        | 101 | 95  | 92  | 98  | 94            | 90  | 85     |
| 2.00                             | 106  | 101 | 97        | 104 | 100 | 96  | 101 | 98            | 95  | 89     |
| 2.50                             | 108  | 103 | 100       | 106 | 102 | 99  | 103 | 99            | 97  | 90     |
| 3.00                             | 110  | 106 | 102       | 108 | 104 | 101 | 104 | 101           | 99  | 92     |
| 4.00                             | 112  | 109 | 106       | 110 | 107 | 104 | 106 | 104           | 102 | 94     |
| 5.00                             | 113  | 110 | 108       | 111 | 109 | 106 | 107 | 105           | 103 | 95     |
| ROOM INDEX                       | UF (total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: Marvin Ma  
 Test Date: 2022-09-01

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity: 56%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|   |           |                  |
|---|-----------|------------------|
| Test:U:120.5V I:1.206A P:145.1W PF:0.9980 Freq:59.98Hz Lamp Flux:19533.6x1 lm |           |                  |
| NAME: H17-RAL-150W-3K   | TYPE:     | WEIGHT:          |
| SPEC.:  | DIM.:     | SERIAL No.:      |
| MFR.: RAB LIGHTING INC  | SUR.:0.23 | Shielding Angle: |

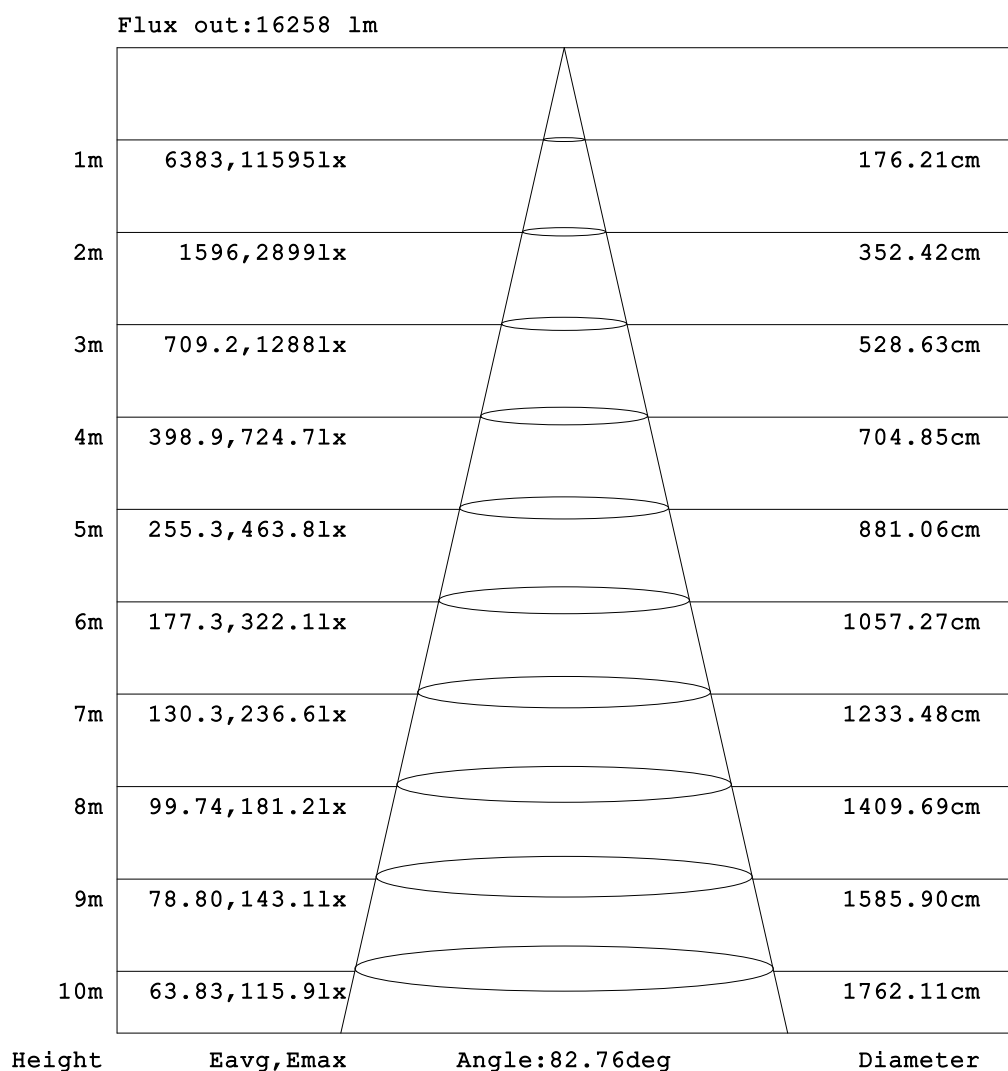


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Marvin Ma  
Test Date:2022-09-01

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity:56%  
Test Distance:6.500m [K=1.0000]  
Remarks:

## AAI Figure

|   |           |                  |
|---|-----------|------------------|
| Test:U:120.5V I:1.206A P:145.1W PF:0.9980 Freq:59.98Hz Lamp Flux:19533.6x1 lm |           |                  |
| NAME: H17-RAL-150W-3K   | TYPE:     | WEIGHT:          |
| SPEC.:  | DIM.:     | SERIAL No.:      |
| MFR.: RAB LIGHTING INC  | SUR.:0.23 | Shielding Angle: |



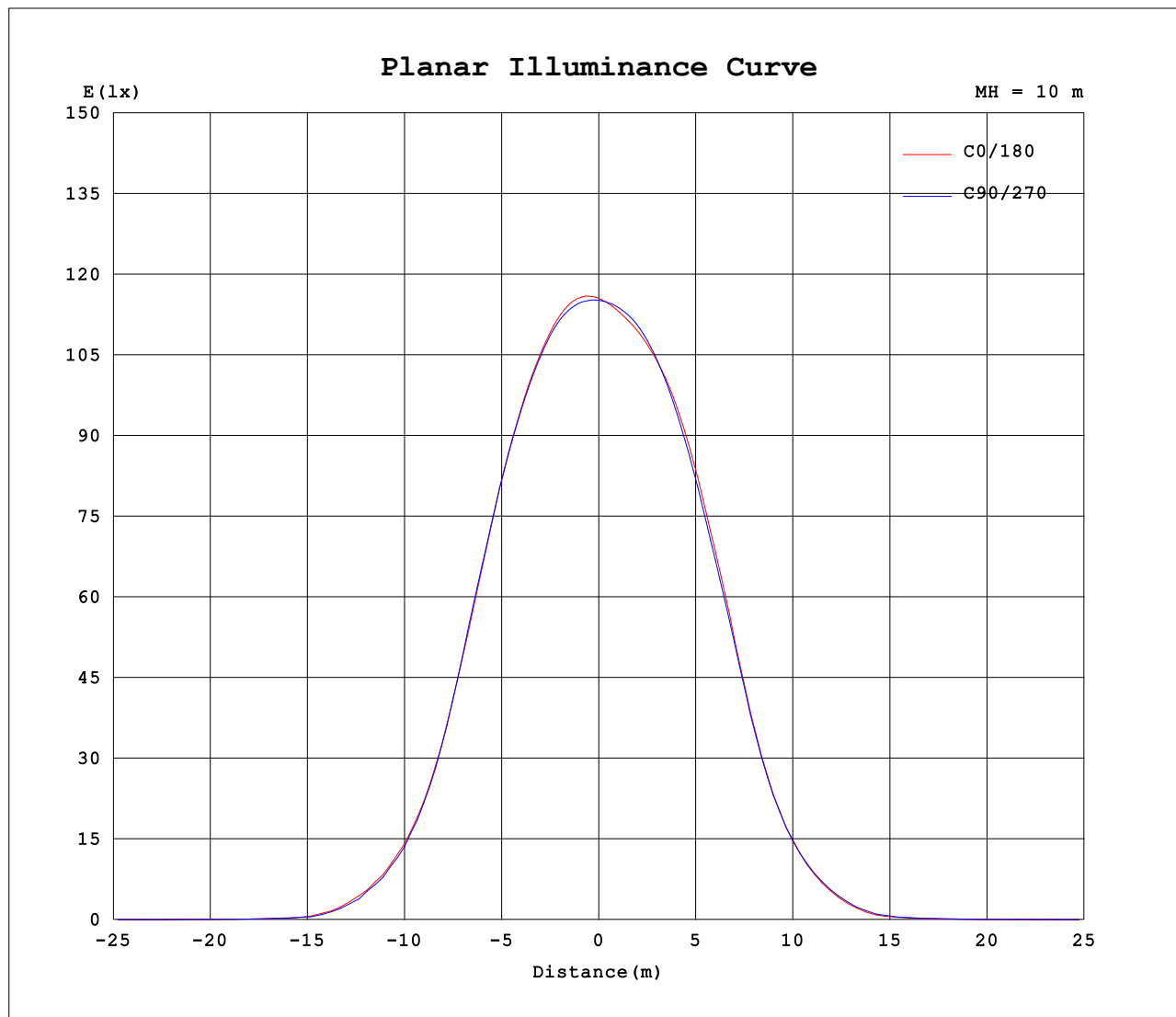
**Note:** The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: Marvin Ma  
 Test Date: 2022-09-01

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity: 56%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:



## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.1DEG  
Operators: Marvin Ma  
Test Date: 2022-09-01

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity: 56%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |           |                  |
|---|-----------|------------------|
| Test:U:120.5V I:1.206A P:145.1W PF:0.9980 Freq:59.98Hz Lamp Flux:19533.6x1 lm |           |                  |
| NAME: H17-RAL-150W-3K   | TYPE:     | WEIGHT:          |
| SPEC.:  | DIM.:     | SERIAL No.:      |
| MFR.: RAB LIGHTING INC  | SUR.:0.23 | Shielding Angle: |

Table--1

UNIT: ×10cd

| C (DEG)<br>□ (DEG) | 0    | 45   | 90   | 135  | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0                  | 1155 | 1152 | 1152 | 1151 | 1155 | 1152 | 1152 | 1151 |  |  |  |  |  |  |  |  |  |  |
| 5                  | 1171 | 1169 | 1161 | 1151 | 1149 | 1146 | 1154 | 1164 |  |  |  |  |  |  |  |  |  |  |
| 10                 | 1188 | 1185 | 1179 | 1162 | 1157 | 1153 | 1168 | 1180 |  |  |  |  |  |  |  |  |  |  |
| 15                 | 1197 | 1195 | 1191 | 1179 | 1175 | 1172 | 1182 | 1189 |  |  |  |  |  |  |  |  |  |  |
| 20                 | 1194 | 1192 | 1188 | 1190 | 1193 | 1187 | 1185 | 1185 |  |  |  |  |  |  |  |  |  |  |
| 25                 | 1164 | 1161 | 1160 | 1175 | 1183 | 1177 | 1161 | 1154 |  |  |  |  |  |  |  |  |  |  |
| 30                 | 1067 | 1055 | 1072 | 1104 | 1110 | 1111 | 1085 | 1060 |  |  |  |  |  |  |  |  |  |  |
| 35                 | 891  | 862  | 897  | 950  | 948  | 975  | 936  | 889  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 639  | 602  | 630  | 679  | 678  | 712  | 671  | 622  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 399  | 372  | 385  | 418  | 415  | 441  | 419  | 382  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 210  | 194  | 202  | 213  | 204  | 226  | 213  | 191  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 61.6 | 46.7 | 51.7 | 57.1 | 49.2 | 65.9 | 56.5 | 49.5 |  |  |  |  |  |  |  |  |  |  |
| 60                 | 16.7 | 13.8 | 14.7 | 16.4 | 15.3 | 18.6 | 18.8 | 17.2 |  |  |  |  |  |  |  |  |  |  |
| 65                 | 7.35 | 6.29 | 6.60 | 7.02 | 6.90 | 8.39 | 9.27 | 8.49 |  |  |  |  |  |  |  |  |  |  |
| 70                 | 4.33 | 3.79 | 3.96 | 4.21 | 4.12 | 5.00 | 5.62 | 5.11 |  |  |  |  |  |  |  |  |  |  |
| 75                 | 2.54 | 2.30 | 2.37 | 2.49 | 2.39 | 2.88 | 3.23 | 2.96 |  |  |  |  |  |  |  |  |  |  |
| 80                 | 1.46 | 1.36 | 1.37 | 1.40 | 1.28 | 1.54 | 1.69 | 1.59 |  |  |  |  |  |  |  |  |  |  |
| 85                 | 0.75 | 0.68 | 0.66 | 0.68 | 0.55 | 0.64 | 0.69 | 0.68 |  |  |  |  |  |  |  |  |  |  |
| 90                 | 0.29 | 0.30 | 0.29 | 0.29 | 0.27 | 0.24 | 0.24 | 0.26 |  |  |  |  |  |  |  |  |  |  |
| 95                 | 0.43 | 0.45 | 0.44 | 0.42 | 0.39 | 0.36 | 0.36 | 0.39 |  |  |  |  |  |  |  |  |  |  |
| 100                | 0.66 | 0.68 | 0.67 | 0.62 | 0.60 | 0.55 | 0.57 | 0.60 |  |  |  |  |  |  |  |  |  |  |
| 105                | 0.99 | 1.01 | 1.00 | 0.93 | 0.90 | 0.83 | 0.87 | 0.90 |  |  |  |  |  |  |  |  |  |  |
| 110                | 1.43 | 1.45 | 1.44 | 1.33 | 1.32 | 1.21 | 1.29 | 1.31 |  |  |  |  |  |  |  |  |  |  |
| 115                | 1.97 | 1.97 | 1.97 | 1.82 | 1.83 | 1.68 | 1.81 | 1.81 |  |  |  |  |  |  |  |  |  |  |
| 120                | 2.59 | 2.56 | 2.59 | 2.39 | 2.42 | 2.24 | 2.42 | 2.39 |  |  |  |  |  |  |  |  |  |  |
| 125                | 3.27 | 3.19 | 3.27 | 3.01 | 3.11 | 2.86 | 3.09 | 3.03 |  |  |  |  |  |  |  |  |  |  |
| 130                | 3.96 | 3.81 | 3.96 | 3.63 | 3.82 | 3.49 | 3.80 | 3.66 |  |  |  |  |  |  |  |  |  |  |
| 135                | 4.63 | 4.43 | 4.63 | 4.26 | 4.53 | 4.13 | 4.53 | 4.30 |  |  |  |  |  |  |  |  |  |  |
| 140                | 5.19 | 5.05 | 5.18 | 4.86 | 5.14 | 4.75 | 5.17 | 4.93 |  |  |  |  |  |  |  |  |  |  |
| 145                | 5.67 | 5.73 | 5.69 | 5.57 | 5.69 | 5.47 | 5.72 | 5.67 |  |  |  |  |  |  |  |  |  |  |
| 150                | 6.18 | 6.30 | 6.21 | 6.15 | 6.25 | 6.18 | 6.26 | 6.33 |  |  |  |  |  |  |  |  |  |  |
| 155                | 6.74 | 6.86 | 6.79 | 6.70 | 6.83 | 6.79 | 6.87 | 6.93 |  |  |  |  |  |  |  |  |  |  |
| 160                | 7.42 | 7.49 | 7.48 | 7.33 | 7.51 | 7.42 | 7.54 | 7.59 |  |  |  |  |  |  |  |  |  |  |
| 165                | 8.15 | 8.16 | 8.19 | 8.00 | 8.24 | 8.09 | 8.25 | 8.26 |  |  |  |  |  |  |  |  |  |  |
| 170                | 8.82 | 8.77 | 8.81 | 8.63 | 8.87 | 8.72 | 8.89 | 8.85 |  |  |  |  |  |  |  |  |  |  |
| 175                | 9.34 | 9.23 | 9.33 | 9.16 | 9.34 | 9.21 | 9.37 | 9.30 |  |  |  |  |  |  |  |  |  |  |
| 180                | 9.67 | 9.54 | 9.64 | 9.54 | 9.68 | 9.53 | 9.65 | 9.54 |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Marvin Ma  
 Test Date:2022-09-01

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks: