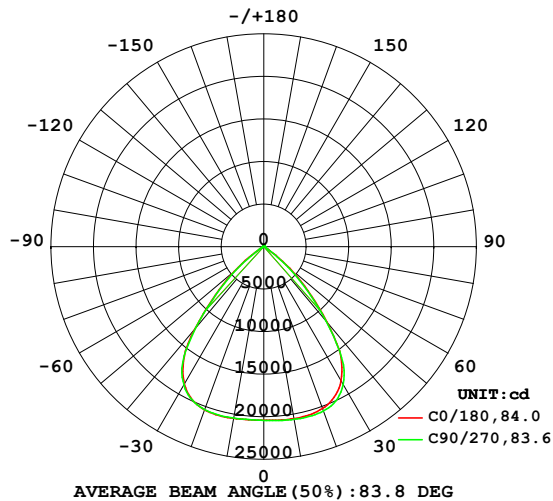


LUMINAIRE PHOTOMETRIC TEST REPORT

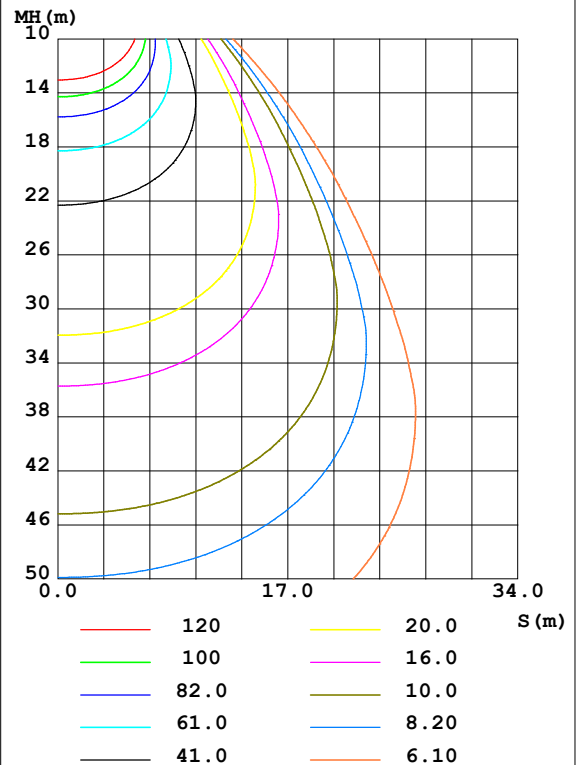
| | | |
|---|-----------------|------------------|
| Test:U:120.5V I:1.990A P:239.3W PF:0.9975 Freq:59.98Hz Lamp Flux:34916.8x1 lm | | |
| NAME: H17XL-RAL-240W-5K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAB LIGHTING INC | SUR.:0.29*0.29m | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 145.91 lm/W | | | |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL | | I _{max} (cd) | 20664 | S/MH(C0/180) | 1.23 |
| NOMINAL POWER(W) | 240 | LOR(%) | 100.0 | S/MH(C90/270) | 1.22 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 34917 | □ UP,DN(C0-180) | 0.5,48.8 |
| NOMINAL FLUX(lm) | 34916.8 | CIE CLASS | DIRECT | □ UP,DN(C180-360) | 0.5,50.2 |
| 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:2022-08-31

□ 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 | 2052 | 2057 | 2061 | 2056 | 2050 | 2043 | 2046 | 2049 | 0- 10 | 1954 | 1954 | 5.6,5.6 |
| 20 | 2024 | 2037 | 2055 | 2047 | 2041 | 2042 | 2038 | 2023 | 10- 20 | 5812 | 7766 | 22.2,22.2 |
| 30 | 1819 | 1831 | 1868 | 1879 | 1866 | 1891 | 1879 | 1823 | 20- 30 | 9098 | 16864 | 48.3,48.3 |
| 40 | 1155 | 1122 | 1144 | 1251 | 1255 | 1311 | 1240 | 1119 | 30- 40 | 9894 | 26758 | 76.6,76.6 |
| 50 | 402.9 | 355.5 | 372.8 | 447.8 | 451.9 | 485.0 | 431.1 | 374.1 | 40- 50 | 5936 | 32694 | 93.6,93.6 |
| 60 | 38.93 | 34.01 | 39.27 | 46.08 | 44.86 | 55.95 | 52.52 | 40.66 | 50- 60 | 1531 | 34226 | 98,98 |
| 70 | 10.80 | 10.06 | 12.16 | 12.13 | 11.04 | 15.78 | 17.86 | 13.59 | 60- 70 | 227.9 | 34454 | 98.7,98.7 |
| 80 | 4.013 | 3.613 | 4.473 | 4.528 | 4.002 | 5.887 | 6.642 | 4.976 | 70- 80 | 88.11 | 34542 | 98.9,98.9 |
| 90 | 0.8395 | 0.7293 | 0.7561 | 0.7727 | 0.6404 | 0.6754 | 0.7455 | 0.7718 | 80- 90 | 25.01 | 34567 | 99,99 |
| 100 | 1.395 | 1.410 | 1.366 | 1.222 | 1.143 | 1.084 | 1.142 | 1.274 | 90-100 | 9.852 | 34577 | 99,99 |
| 110 | 2.745 | 2.783 | 2.746 | 2.490 | 2.430 | 2.284 | 2.408 | 2.540 | 100-110 | 19.46 | 34596 | 99.1,99.1 |
| 120 | 4.763 | 4.718 | 4.806 | 4.366 | 4.431 | 4.142 | 4.414 | 4.461 | 110-120 | 34.47 | 34631 | 99.2,99.2 |
| 130 | 7.124 | 6.801 | 7.207 | 6.465 | 6.885 | 6.321 | 6.886 | 6.644 | 120-130 | 50.34 | 34681 | 99.3,99.3 |
| 140 | 9.118 | 9.128 | 9.202 | 8.780 | 9.145 | 8.778 | 9.184 | 9.114 | 130-140 | 61.12 | 34742 | 99.5,99.5 |
| 150 | 10.91 | 11.07 | 11.05 | 10.81 | 11.18 | 11.02 | 11.22 | 11.42 | 140-150 | 63.10 | 34805 | 99.7,99.7 |
| 160 | 13.14 | 13.17 | 13.26 | 12.87 | 13.45 | 13.22 | 13.44 | 13.59 | 150-160 | 55.86 | 34861 | 99.8,99.8 |
| 170 | 15.46 | 15.37 | 15.51 | 15.19 | 15.68 | 15.43 | 15.63 | 15.64 | 160-170 | 40.54 | 34901 | 100,100 |
| 180 | 16.81 | 16.62 | 16.83 | 16.66 | 16.82 | 16.64 | 16.81 | 16.66 | 170-180 | 15.32 | 34917 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 30351 lm

%lum = 86.9%

%lamp = 86.9%

Conical surface Flux(120deg): 34226 lm

%lum = 98.0%

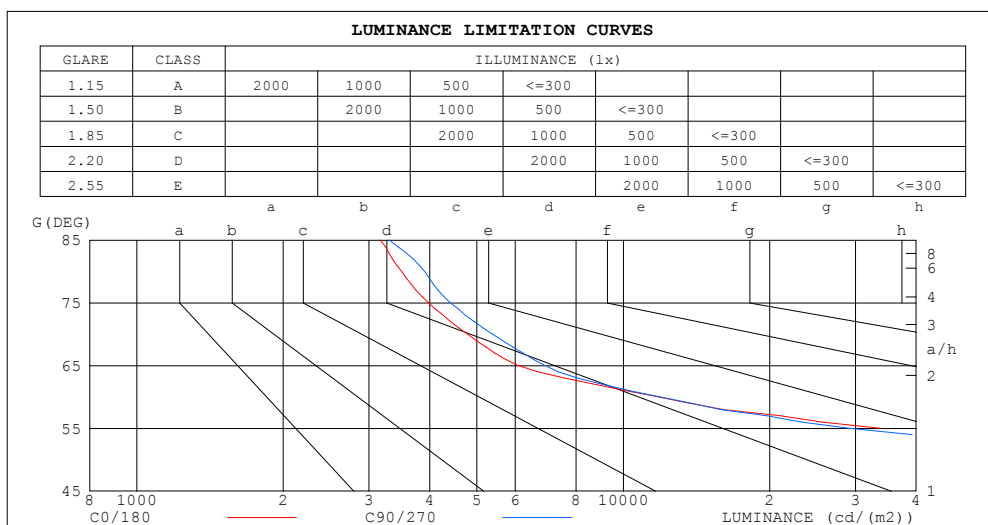
%lamp = 98.0%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Marvin Ma
 Test Date:2022-08-31

□ 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:1.990A P:239.3W PF:0.9975 Freq:59.98Hz Lamp Flux:34916.8x1 lm | | |
| NAME: H17XL-RAL-240W-5K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAB LIGHTING INC | SUR.:0.29*0.29m | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 3165 | 3299 |
| 80 | 3501 | 3903 |
| 75 | 3977 | 4411 |
| 70 | 4784 | 5387 |
| 65 | 6078 | 6909 |
| 60 | 11797 | 11901 |
| 55 | 33749 | 29059 |
| 50 | 94963 | 87865 |
| 45 | 157927 | 152296 |

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Marvin Ma
Test Date:2022-08-31

☐ 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:1.990A P:239.3W PF:0.9975 Freq:59.98Hz Lamp Flux:34916.8x1 lm | | |
| NAME: H17XL-RAL-240W-5K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAB LIGHTING INC | SUR.:0.29*0.29m | 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 | .205 .117 .037 | .198 .113 .036 | .185 .106 .034 | .173 .100 .032 | .161 .093 .030 | |
| 2.0 | .200 .110 .034 | .194 .107 .033 | .182 .101 .032 | .172 .096 .030 | .162 .092 .029 | |
| 3.0 | .192 .102 .031 | .187 .100 .030 | .177 .096 .029 | .168 .092 .028 | .159 .088 .027 | |
| 4.0 | .184 .095 .028 | .179 .094 .028 | .170 .090 .027 | .162 .087 .026 | .155 .084 .026 | |
| 5.0 | .175 .089 .026 | .171 .088 .026 | .163 .085 .025 | .156 .082 .025 | .150 .080 .024 | |
| 6.0 | .167 .084 .024 | .163 .083 .024 | .157 .080 .023 | .150 .078 .023 | .144 .076 .023 | |
| 7.0 | .159 .079 .022 | .156 .078 .022 | .150 .076 .022 | .144 .074 .022 | .139 .072 .021 | |
| 8.0 | .152 .074 .021 | .149 .073 .021 | .143 .072 .020 | .138 .070 .020 | .133 .068 .020 | |
| 9.0 | .145 .070 .020 | .142 .069 .019 | .137 .068 .019 | .133 .067 .019 | .128 .065 .019 | |
| 10.0 | .139 .066 .018 | .136 .066 .018 | .132 .064 .018 | .127 .063 .018 | .123 .062 .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 | .181 .165 .150 | .155 .141 .129 | .106 .097 .089 | .061 .056 .052 | .020 .018 .017 | |
| 2.0 | .168 .140 .117 | .144 .121 .101 | .098 .083 .070 | .057 .049 .041 | .018 .016 .013 | |
| 3.0 | .157 .122 .093 | .135 .105 .081 | .093 .073 .057 | .053 .043 .033 | .017 .014 .011 | |
| 4.0 | .149 .107 .076 | .127 .093 .066 | .088 .065 .046 | .051 .038 .027 | .016 .012 .009 | |
| 5.0 | .141 .096 .063 | .121 .083 .055 | .083 .058 .039 | .048 .034 .023 | .016 .011 .008 | |
| 6.0 | .134 .087 .054 | .115 .076 .047 | .080 .053 .033 | .046 .031 .020 | .015 .010 .006 | |
| 7.0 | .128 .080 .047 | .110 .070 .041 | .076 .049 .029 | .044 .029 .017 | .014 .009 .006 | |
| 8.0 | .123 .074 .041 | .106 .064 .036 | .073 .045 .025 | .043 .027 .015 | .014 .009 .005 | |
| 9.0 | .118 .069 .037 | .102 .060 .032 | .070 .042 .023 | .041 .025 .013 | .013 .008 .004 | |
| 10.0 | .113 .065 .033 | .098 .057 .029 | .068 .040 .021 | .040 .024 .012 | .013 .008 .004 | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Marvin Ma
 Test Date:2022-08-31

☐ 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:1.990A P:239.3W PF:0.9975 Freq:59.98Hz Lamp Flux:34916.8x1 lm | | | | | | | | | | |
| NAME: H17XL-RAL-240W-5K | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: RAB LIGHTING INC | | | | | SUR.:0.29*0.29m | | | 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 | 26.3 | 27.4 | 26.5 | 27.6 | 27.8 | 26.2 | 27.3 | 26.5 | 27.5 | 27.7 |
| 3H | 26.1 | 27.1 | 26.4 | 27.3 | 27.6 | 26.0 | 27.1 | 26.3 | 27.3 | 27.5 |
| 4H | 26.0 | 27.0 | 26.3 | 27.2 | 27.5 | 25.9 | 26.9 | 26.2 | 27.2 | 27.4 |
| 6H | 25.9 | 26.8 | 26.2 | 27.1 | 27.4 | 25.8 | 26.7 | 26.2 | 27.0 | 27.3 |
| 8H | 25.9 | 26.7 | 26.2 | 27.0 | 27.3 | 25.8 | 26.7 | 26.1 | 26.9 | 27.2 |
| 12H | 25.8 | 26.6 | 26.2 | 26.9 | 27.2 | 25.7 | 26.6 | 26.1 | 26.9 | 27.2 |
| 4H 2H | 26.0 | 27.0 | 26.3 | 27.2 | 27.5 | 25.9 | 26.9 | 26.2 | 27.2 | 27.4 |
| 3H | 25.8 | 26.7 | 26.2 | 27.0 | 27.3 | 25.8 | 26.6 | 26.1 | 26.9 | 27.2 |
| 4H | 25.7 | 26.5 | 26.1 | 26.8 | 27.1 | 25.7 | 26.4 | 26.0 | 26.7 | 27.1 |
| 6H | 25.6 | 26.3 | 26.0 | 26.7 | 27.0 | 25.6 | 26.2 | 26.0 | 26.6 | 27.0 |
| 8H | 25.6 | 26.2 | 26.0 | 26.6 | 27.0 | 25.5 | 26.1 | 26.0 | 26.5 | 26.9 |
| 12H | 25.5 | 26.1 | 26.0 | 26.5 | 26.9 | 25.5 | 26.0 | 25.9 | 26.4 | 26.9 |
| 8H 4H | 25.6 | 26.2 | 26.0 | 26.6 | 27.0 | 25.5 | 26.1 | 25.9 | 26.5 | 26.9 |
| 6H | 25.5 | 26.0 | 25.9 | 26.4 | 26.8 | 25.4 | 25.9 | 25.9 | 26.4 | 26.8 |
| 8H | 25.5 | 25.9 | 25.9 | 26.3 | 26.8 | 25.4 | 25.8 | 25.9 | 26.3 | 26.7 |
| 12H | 25.4 | 25.8 | 25.9 | 26.2 | 26.7 | 25.4 | 25.7 | 25.8 | 26.2 | 26.7 |
| 12H 4H | 25.5 | 26.1 | 26.0 | 26.5 | 26.9 | 25.5 | 26.0 | 25.9 | 26.4 | 26.8 |
| 6H | 25.5 | 25.9 | 25.9 | 26.3 | 26.8 | 25.4 | 25.8 | 25.9 | 26.3 | 26.7 |
| 8H | 25.4 | 25.8 | 25.9 | 26.2 | 26.7 | 25.4 | 25.7 | 25.8 | 26.2 | 26.7 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 2.5 / -10.9 | | | | | + 2.5 / -10.8 | | | | |
| 1.5H | + 3.2 / - 8.9 | | | | | + 3.3 / - 9.0 | | | | |
| 2.0H | + 6.0 / -12.1 | | | | | + 6.0 / -11.6 | | | | |

CIE Pub.117, 34917 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 12.3$)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Marvin Ma
 Test Date:2022-08-31

☐ 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:1.990A P:239.3W PF:0.9975 Freq:59.98Hz Lamp Flux:34916.8x1 lm | | |
| NAME: H17XL-RAL-240W-5K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAB LIGHTING INC | SUR.:0.29*0.29m | Shielding Angle: |

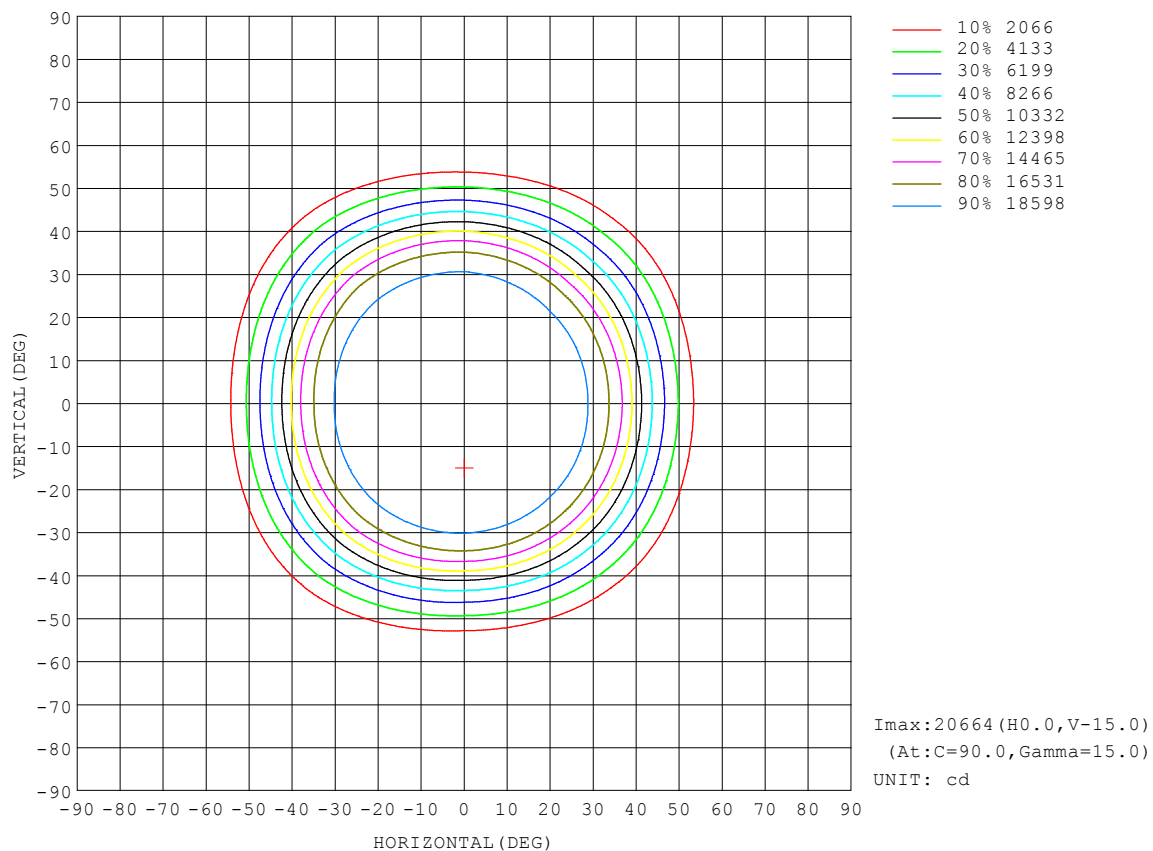
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 77 | 68 | 63 | 76 | 68 | 63 | 75 | 68 | 63 | 59 |
| 0.80 | 86 | 78 | 73 | 85 | 78 | 73 | 83 | 77 | 73 | 68 |
| 1.00 | 92 | 85 | 81 | 91 | 85 | 80 | 90 | 85 | 80 | 75 |
| 1.25 | 98 | 91 | 87 | 97 | 91 | 86 | 94 | 89 | 86 | 80 |
| 1.50 | 101 | 95 | 91 | 100 | 94 | 91 | 97 | 93 | 89 | 84 |
| 2.00 | 105 | 100 | 96 | 104 | 99 | 95 | 101 | 97 | 94 | 88 |
| 2.50 | 107 | 103 | 99 | 106 | 101 | 98 | 102 | 99 | 96 | 89 |
| 3.00 | 109 | 105 | 102 | 107 | 104 | 101 | 104 | 101 | 98 | 91 |
| 4.00 | 112 | 108 | 105 | 110 | 107 | 104 | 106 | 103 | 101 | 93 |
| 5.00 | 113 | 110 | 108 | 111 | 108 | 106 | 106 | 105 | 103 | 94 |
| 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: 2022-08-31

☐ 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:1.990A P:239.3W PF:0.9975 Freq:59.98Hz Lamp Flux:34916.8x1 lm | | |
| NAME: H17XL-RAL-240W-5K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAB LIGHTING INC | SUR.:0.29*0.29m | Shielding Angle: |

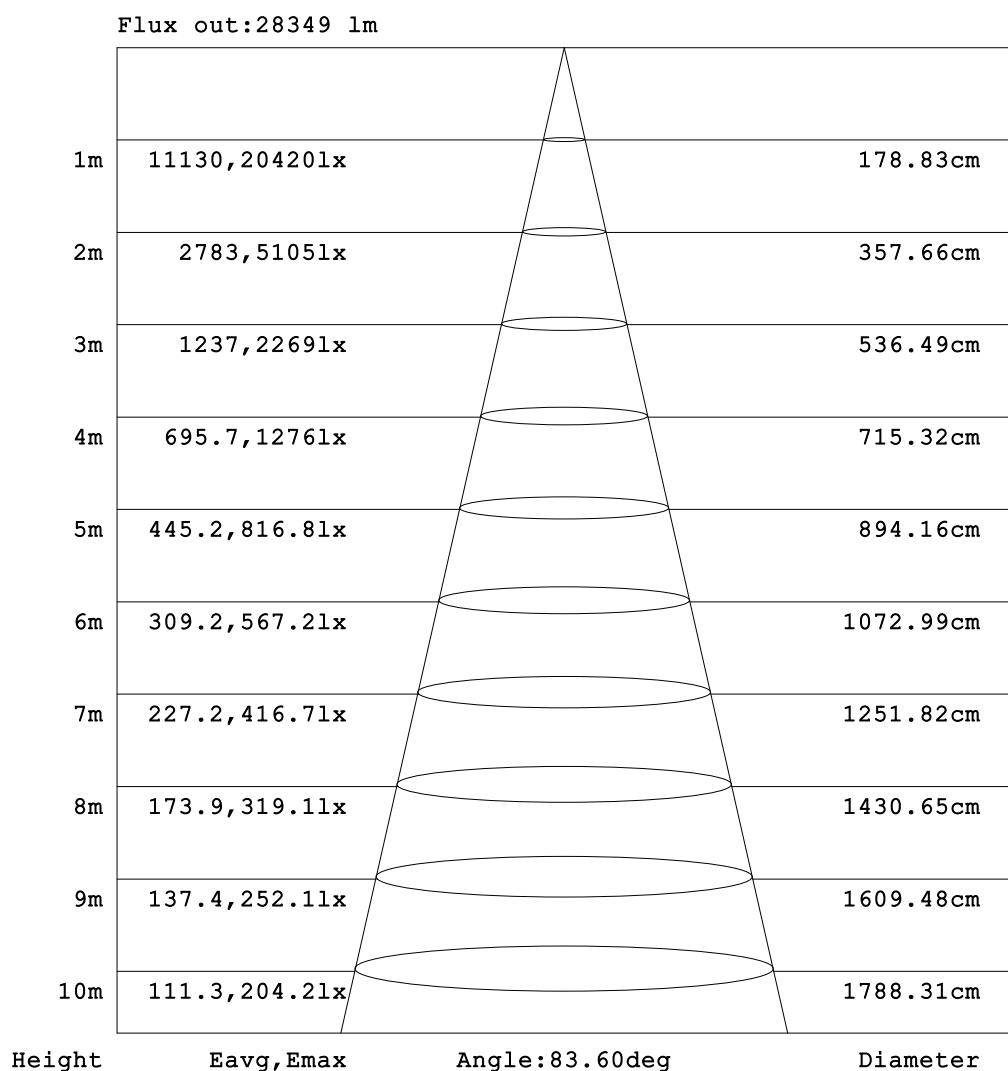


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Marvin Ma
 Test Date:2022-08-31

☐ 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:1.990A P:239.3W PF:0.9975 Freq:59.98Hz Lamp Flux:34916.8x1 lm | | |
| NAME: H17XL-RAL-240W-5K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAB LIGHTING INC | SUR.:0.29*0.29m | Shielding Angle: |

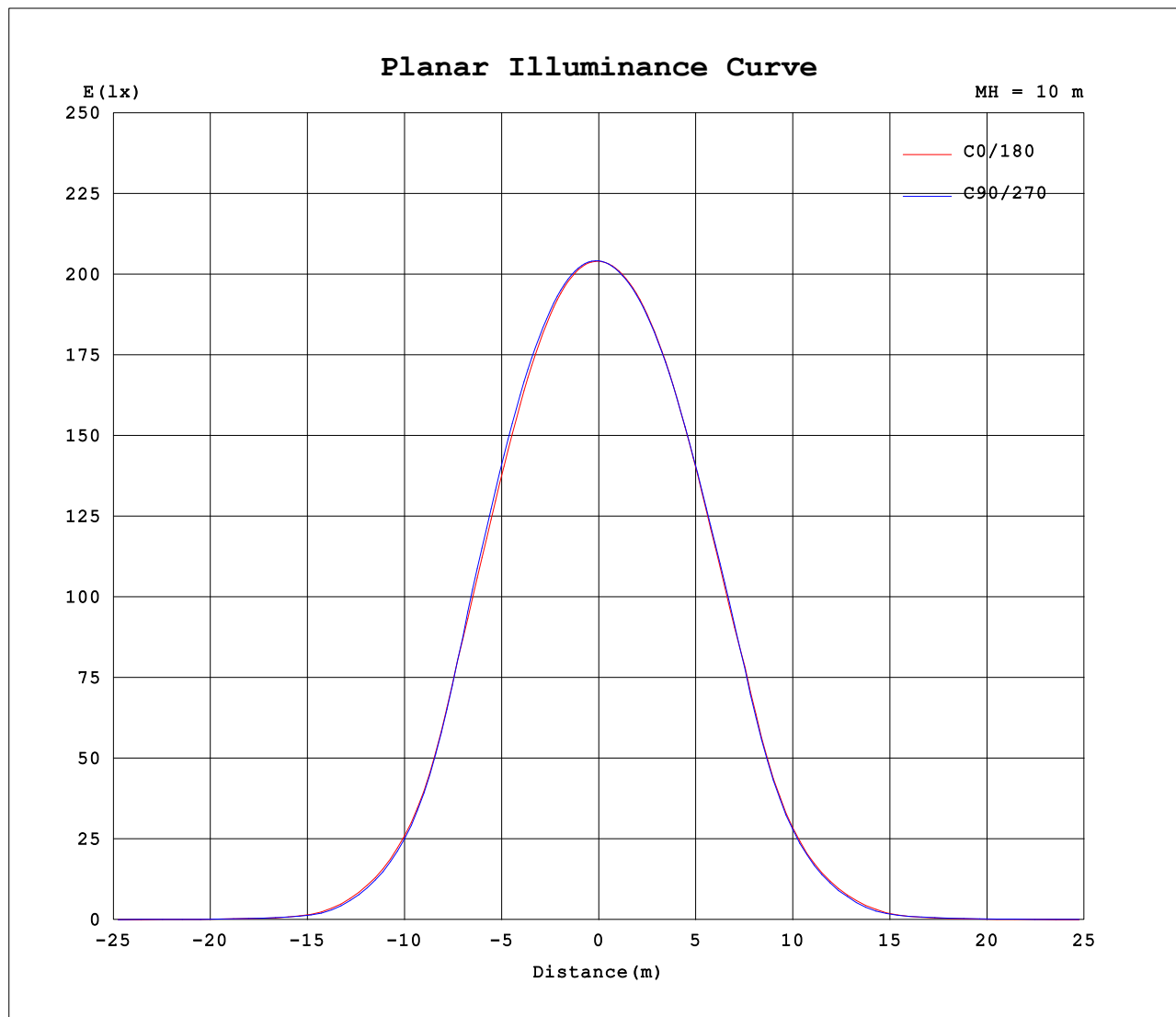


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Marvin Ma
 Test Date:2022-08-31

☐ 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: 2022-08-31

☐ 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:1.990A P:239.3W PF:0.9975 Freq:59.98Hz Lamp Flux:34916.8x1 lm | | | | | | | | |
| NAME: H17XL-RAL-240W-5K | | | | | TYPE: | | | WEIGHT: |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: |
| MFR.: RAB LIGHTING INC | | | | | SUR.:0.29*0.29m | | | Shielding Angle: |

Table--1

UNIT: ×10cd

| C (DEG) □ (DEG) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0 | 2040 | 2039 | 2042 | 2042 | 2040 | 2039 | 2042 | 2042 | | | | | | | | | | |
| 5 | 2046 | 2048 | 2051 | 2047 | 2042 | 2037 | 2040 | 2044 | | | | | | | | | | |
| 10 | 2052 | 2057 | 2061 | 2056 | 2050 | 2043 | 2046 | 2049 | | | | | | | | | | |
| 15 | 2049 | 2057 | 2066 | 2061 | 2054 | 2050 | 2050 | 2046 | | | | | | | | | | |
| 20 | 2024 | 2037 | 2055 | 2047 | 2041 | 2042 | 2038 | 2023 | | | | | | | | | | |
| 25 | 1956 | 1972 | 2001 | 1997 | 1988 | 1998 | 1990 | 1960 | | | | | | | | | | |
| 30 | 1819 | 1831 | 1868 | 1879 | 1866 | 1891 | 1879 | 1823 | | | | | | | | | | |
| 35 | 1582 | 1568 | 1593 | 1658 | 1649 | 1700 | 1664 | 1567 | | | | | | | | | | |
| 40 | 1155 | 1122 | 1144 | 1251 | 1255 | 1311 | 1240 | 1119 | | | | | | | | | | |
| 45 | 737 | 696 | 711 | 801 | 805 | 852 | 792 | 705 | | | | | | | | | | |
| 50 | 403 | 356 | 373 | 448 | 452 | 485 | 431 | 374 | | | | | | | | | | |
| 55 | 128 | 98.4 | 110 | 165 | 172 | 179 | 142 | 116 | | | | | | | | | | |
| 60 | 38.9 | 34.0 | 39.3 | 46.1 | 44.9 | 55.9 | 52.5 | 40.7 | | | | | | | | | | |
| 65 | 17.0 | 16.1 | 19.3 | 19.8 | 18.1 | 24.9 | 27.0 | 20.7 | | | | | | | | | | |
| 70 | 10.8 | 10.1 | 12.2 | 12.1 | 11.0 | 15.8 | 17.9 | 13.6 | | | | | | | | | | |
| 75 | 6.79 | 6.20 | 7.53 | 7.53 | 6.84 | 9.95 | 11.4 | 8.58 | | | | | | | | | | |
| 80 | 4.01 | 3.61 | 4.47 | 4.53 | 4.00 | 5.89 | 6.64 | 4.98 | | | | | | | | | | |
| 85 | 1.82 | 1.55 | 1.90 | 2.21 | 1.88 | 2.77 | 2.86 | 2.05 | | | | | | | | | | |
| 90 | 0.84 | 0.73 | 0.76 | 0.77 | 0.64 | 0.68 | 0.75 | 0.77 | | | | | | | | | | |
| 95 | 0.97 | 0.97 | 0.94 | 0.85 | 0.77 | 0.75 | 0.81 | 0.90 | | | | | | | | | | |
| 100 | 1.39 | 1.41 | 1.37 | 1.22 | 1.14 | 1.08 | 1.14 | 1.27 | | | | | | | | | | |
| 105 | 1.99 | 2.01 | 1.96 | 1.77 | 1.70 | 1.59 | 1.68 | 1.82 | | | | | | | | | | |
| 110 | 2.74 | 2.78 | 2.75 | 2.49 | 2.43 | 2.28 | 2.41 | 2.54 | | | | | | | | | | |
| 115 | 3.69 | 3.69 | 3.71 | 3.36 | 3.34 | 3.13 | 3.32 | 3.42 | | | | | | | | | | |
| 120 | 4.76 | 4.72 | 4.81 | 4.37 | 4.43 | 4.14 | 4.41 | 4.46 | | | | | | | | | | |
| 125 | 5.91 | 5.76 | 5.98 | 5.41 | 5.60 | 5.21 | 5.59 | 5.53 | | | | | | | | | | |
| 130 | 7.12 | 6.80 | 7.21 | 6.46 | 6.89 | 6.32 | 6.89 | 6.64 | | | | | | | | | | |
| 135 | 8.18 | 7.93 | 8.26 | 7.58 | 8.04 | 7.47 | 8.09 | 7.78 | | | | | | | | | | |
| 140 | 9.12 | 9.13 | 9.20 | 8.78 | 9.14 | 8.78 | 9.18 | 9.11 | | | | | | | | | | |
| 145 | 10.0 | 10.1 | 10.1 | 9.85 | 10.1 | 9.97 | 10.2 | 10.3 | | | | | | | | | | |
| 150 | 10.9 | 11.1 | 11.0 | 10.8 | 11.2 | 11.0 | 11.2 | 11.4 | | | | | | | | | | |
| 155 | 12.0 | 12.1 | 12.1 | 11.8 | 12.3 | 12.1 | 12.3 | 12.5 | | | | | | | | | | |
| 160 | 13.1 | 13.2 | 13.3 | 12.9 | 13.5 | 13.2 | 13.4 | 13.6 | | | | | | | | | | |
| 165 | 14.4 | 14.3 | 14.4 | 14.0 | 14.7 | 14.4 | 14.6 | 14.7 | | | | | | | | | | |
| 170 | 15.5 | 15.4 | 15.5 | 15.2 | 15.7 | 15.4 | 15.6 | 15.6 | | | | | | | | | | |
| 175 | 16.4 | 16.3 | 16.4 | 16.2 | 16.5 | 16.3 | 16.5 | 16.4 | | | | | | | | | | |
| 180 | 16.8 | 16.6 | 16.8 | 16.7 | 16.8 | 16.6 | 16.8 | 16.7 | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Marvin Ma
 Test Date:2022-08-31

□ 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: