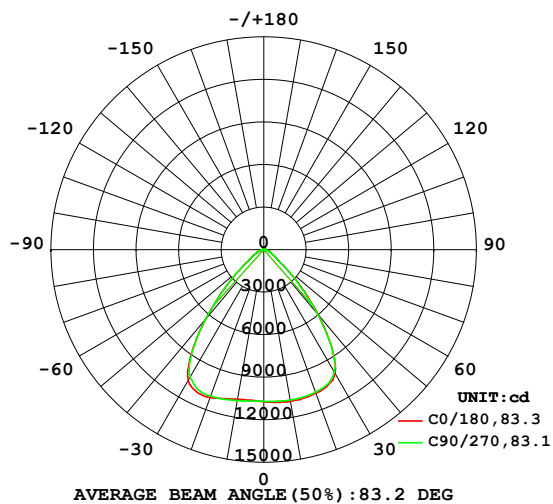


## LUMINAIRE PHOTOMETRIC TEST REPORT

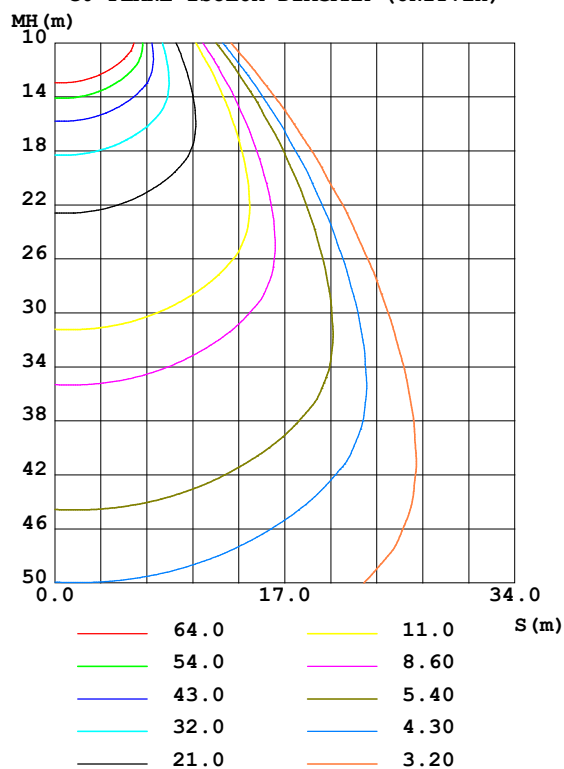
Test:U:120.5V I:1.218A P:146.4W PF:0.9980 Freq:59.98Hz Lamp Flux:19787.7x1 lm		
NAME: H17-RPC-150W-3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB LIGHTING INC	SUR.:0.23	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.15 lm/W			
MODEL		I <sub>max</sub> (cd)	11148	S/MH(C0/180)	1.21
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	100	TOTAL FLUX(lm)	19788	□ UP,DN(C0-180)	1.0,48.2
NOMINAL FLUX(lm)	19787.7	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.9,50.0
LAMPS INSIDE	1	□ up(%)	1.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	□ down(%)	98.1	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	1086	1080	1077	1070	1071	1070	1081	1085	0- 10	1025	1025	5.18,5.18
20	1078	1072	1071	1086	1110	1108	1099	1085	10- 20	3074	4099	20.7,20.7
30	1005	981.8	993.9	1037	1067	1067	1039	1009	20- 30	4950	9049	45.7,45.7
40	593.6	573.6	584.7	644.5	637.2	666.5	632.4	579.5	30- 40	5265	14315	72.3,72.3
50	203.1	193.5	204.8	228.5	228.4	231.9	221.6	195.2	40- 50	3024	17339	87.6,87.6
60	80.28	70.83	74.46	86.72	86.41	87.77	80.74	78.61	50- 60	1145	18484	93.4,93.4
70	40.80	38.57	44.55	48.65	49.35	47.89	42.86	42.83	60- 70	569.3	19053	96.3,96.3
80	12.31	10.88	11.83	12.17	11.99	13.39	11.98	11.17	70- 80	271.3	19325	97.7,97.7
90	5.200	5.185	5.419	5.215	4.901	5.174	5.039	4.484	80- 90	88.74	19413	98.1,98.1
100	3.676	3.836	3.930	3.737	3.632	3.508	3.400	3.414	90-100	43.97	19457	98.3,98.3
110	4.565	4.813	4.676	4.605	4.710	4.440	4.198	4.266	100-110	42.72	19500	98.5,98.5
120	5.971	5.831	5.596	5.326	5.158	5.700	5.817	6.119	110-120	51.94	19552	98.8,98.8
130	6.719	6.632	6.589	6.532	6.807	6.714	6.727	6.849	120-130	53.76	19606	99.1,99.1
140	7.779	7.585	7.652	7.508	7.857	7.634	7.767	7.387	130-140	56.02	19662	99.4,99.4
150	8.095	8.344	8.192	8.141	8.171	8.225	8.158	8.157	140-150	49.84	19712	99.6,99.6
160	8.997	8.986	9.187	8.869	9.128	8.970	9.063	8.986	150-160	39.45	19751	99.8,99.8
170	9.995	9.793	10.13	9.878	10.10	9.794	10.03	9.709	160-170	26.84	19778	100,100
180	10.66	10.31	10.64	10.36	10.68	10.29	10.64	10.36	170-180	9.674	19788	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 16147 lm

%lum = 81.6%

%lamp = 81.6%

Conical surface Flux(120deg): 18484 lm

%lum = 93.4%

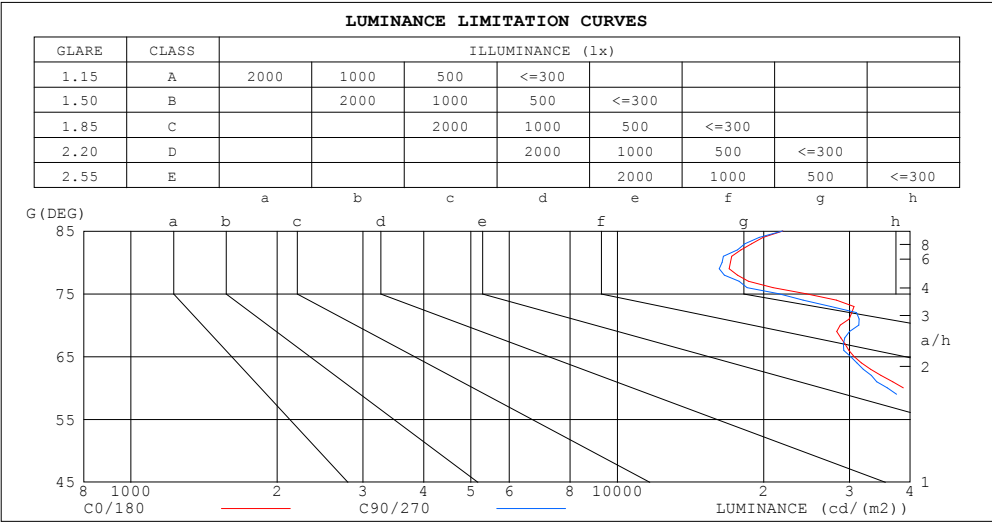
%lamp = 93.4%

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:1.218A P:146.4W PF:0.9980 Freq:59.98Hz Lamp Flux:19787.7x1 lm		
NAME: H17-RPC-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	21896	21868
80	17082	16418
75	24410	21480
70	28743	31384
65	30673	30147
60	38690	35882
55	48785	46983
50	76129	76765
45	126539	124308

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:1.218A P:146.4W PF:0.9980 Freq:59.98Hz Lamp Flux:19787.7x1 lm		
NAME: H17-RPC-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	.223 .127 .040	.215 .123 .039	.201 .116 .037	.189 .109 .035	.177 .103 .033	
2.0	.215 .118 .036	.208 .115 .035	.196 .109 .034	.185 .104 .032	.175 .099 .031	
3.0	.204 .109 .033	.198 .106 .032	.188 .102 .031	.178 .098 .030	.169 .094 .029	
4.0	.193 .100 .030	.188 .099 .029	.179 .095 .028	.171 .092 .028	.163 .088 .027	
5.0	.183 .093 .027	.179 .092 .027	.171 .089 .026	.163 .086 .026	.156 .083 .025	
6.0	.174 .087 .025	.170 .086 .025	.162 .083 .024	.156 .081 .024	.149 .079 .023	
7.0	.165 .081 .023	.161 .080 .023	.155 .078 .023	.148 .076 .022	.143 .074 .022	
8.0	.156 .076 .021	.153 .075 .021	.147 .074 .021	.142 .072 .021	.137 .070 .020	
9.0	.149 .072 .020	.146 .071 .020	.141 .070 .020	.136 .068 .019	.131 .066 .019	
10.0	.142 .068 .019	.139 .067 .019	.134 .066 .019	.130 .064 .018	.125 .063 .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	.205 .205 .205	.175 .175 .175	.120 .120 .120	.069 .069 .069	.022 .022 .022	
1.0	.189 .171 .156	.162 .147 .134	.111 .101 .093	.064 .059 .054	.020 .019 .017	
2.0	.177 .147 .122	.151 .126 .105	.104 .087 .074	.060 .051 .043	.019 .016 .014	
3.0	.166 .129 .098	.143 .111 .085	.098 .077 .060	.057 .045 .035	.018 .015 .012	
4.0	.158 .115 .081	.135 .099 .071	.093 .069 .050	.054 .040 .029	.017 .013 .010	
5.0	.150 .104 .069	.129 .090 .060	.089 .063 .042	.052 .037 .025	.017 .012 .008	
6.0	.144 .095 .060	.123 .082 .052	.085 .057 .037	.049 .034 .022	.016 .011 .007	
7.0	.137 .088 .053	.118 .076 .046	.082 .053 .033	.047 .031 .019	.015 .010 .006	
8.0	.132 .082 .047	.113 .071 .041	.079 .050 .029	.046 .029 .017	.015 .010 .006	
9.0	.127 .077 .043	.109 .067 .038	.076 .047 .027	.044 .028 .016	.014 .009 .005	
10.0	.122 .073 .040	.105 .063 .035	.073 .044 .025	.043 .026 .015	.014 .009 .005	

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:1.218A P:146.4W PF:0.9980 Freq:59.98Hz Lamp Flux:19787.7x1 lm											
NAME: H17-RPC-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	2H	25.9	27.0	26.1	27.3	27.5	25.8	27.0	26.0	27.2	27.4
	3H	26.0	27.1	26.3	27.3	27.6	26.0	27.0	26.3	27.3	27.5
	4H	26.1	27.1	26.4	27.4	27.7	26.0	27.0	26.3	27.3	27.6
	6H	26.1	27.0	26.4	27.3	27.6	26.0	26.9	26.3	27.2	27.5
	8H	26.1	27.0	26.4	27.3	27.6	26.0	26.9	26.3	27.2	27.5
	12H	26.1	26.9	26.4	27.2	27.6	26.0	26.8	26.3	27.2	27.5
4H	2H	25.7	26.8	26.1	27.0	27.3	25.7	26.7	26.0	27.0	27.2
	3H	26.0	26.9	26.4	27.2	27.5	26.0	26.9	26.3	27.2	27.5
	4H	26.2	27.0	26.6	27.3	27.7	26.1	26.9	26.5	27.2	27.6
	6H	26.2	26.9	26.6	27.3	27.7	26.1	26.8	26.5	27.2	27.6
	8H	26.2	26.9	26.6	27.3	27.7	26.1	26.8	26.6	27.2	27.6
	12H	26.2	26.8	26.7	27.2	27.7	26.1	26.7	26.6	27.1	27.6
8H	4H	26.1	26.8	26.6	27.2	27.6	26.0	26.7	26.5	27.1	27.5
	6H	26.2	26.7	26.7	27.2	27.6	26.1	26.6	26.6	27.1	27.5
	8H	26.2	26.7	26.7	27.2	27.6	26.2	26.6	26.6	27.1	27.6
	12H	26.3	26.7	26.8	27.2	27.7	26.2	26.6	26.7	27.1	27.6
12H	4H	26.1	26.7	26.5	27.1	27.5	26.0	26.6	26.5	27.0	27.4
	6H	26.2	26.6	26.7	27.1	27.6	26.1	26.5	26.6	27.0	27.5
	8H	26.2	26.6	26.7	27.1	27.6	26.1	26.5	26.6	27.0	27.5
Variations with the observer position at spacings:											
S = 1.0H		+ 1.6 / - 2.7					+ 1.6 / - 2.8				
1.5H		+ 2.5 / - 2.5					+ 2.6 / - 2.4				
2.0H		+ 3.6 / - 2.4					+ 3.8 / - 2.3				

CIE Pub.117, 19788 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 10.4$ )

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:

## UTILIZATION FACTORS TABLE

Test:U:120.5V I:1.218A P:146.4W PF:0.9980 Freq:59.98Hz Lamp Flux:19787.7x1 lm		
NAME: H17-RPC-150W-3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB LIGHTING INC	SUR.:0.23	Shielding Angle:

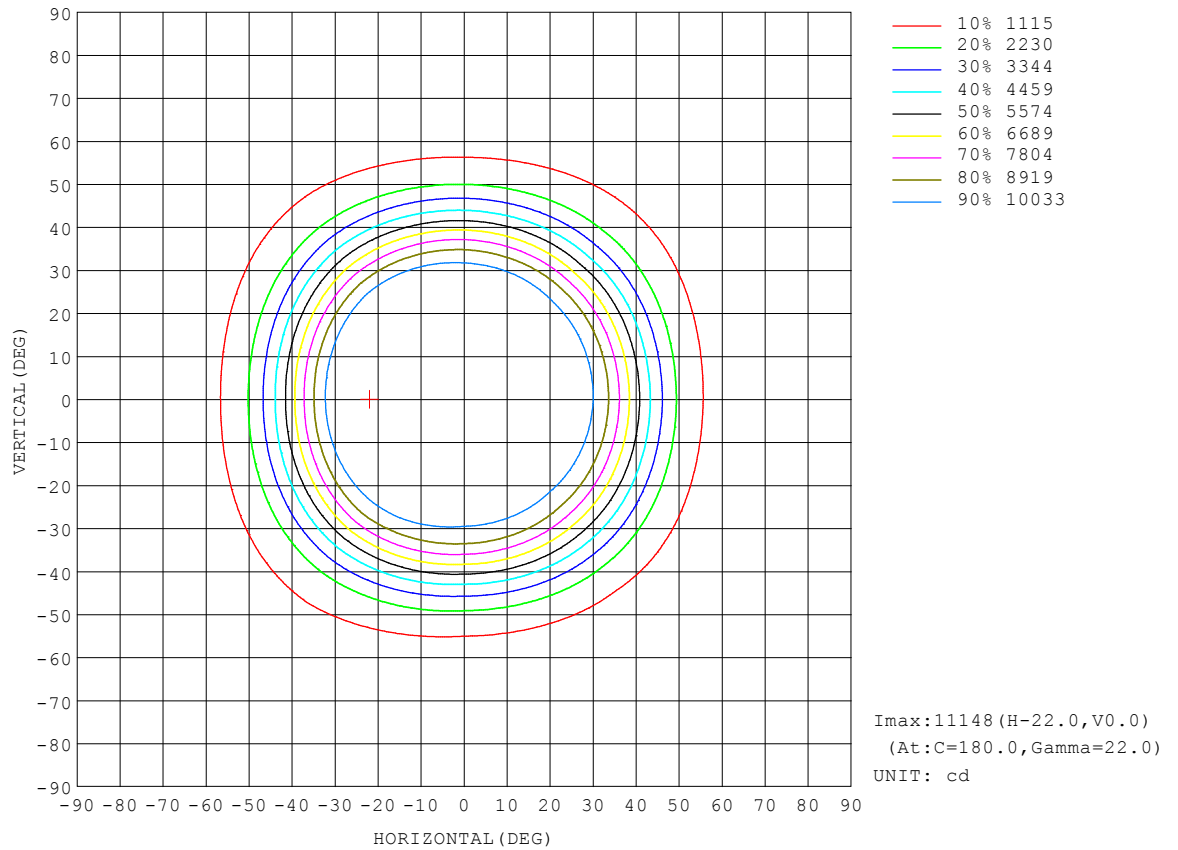
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	74	66	60	73	65	60	72	65	60	55
0.80	83	75	70	82	75	70	81	74	69	64
1.00	90	82	77	89	82	77	87	82	76	71
1.25	95	88	83	94	87	83	92	86	82	76
1.50	99	92	88	98	92	87	95	90	86	80
2.00	103	98	93	102	97	93	98	94	91	84
2.50	106	101	97	104	99	96	100	96	93	86
3.00	108	103	100	106	102	98	102	99	96	88
4.00	111	107	104	108	105	102	104	101	99	91
5.00	112	109	106	110	107	105	105	103	101	92
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:1.218A P:146.4W PF:0.9980 Freq:59.98Hz Lamp Flux:19787.7x1 lm		
NAME: H17-RPC-150W-3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB LIGHTING INC	SUR.:0.23	Shielding Angle:

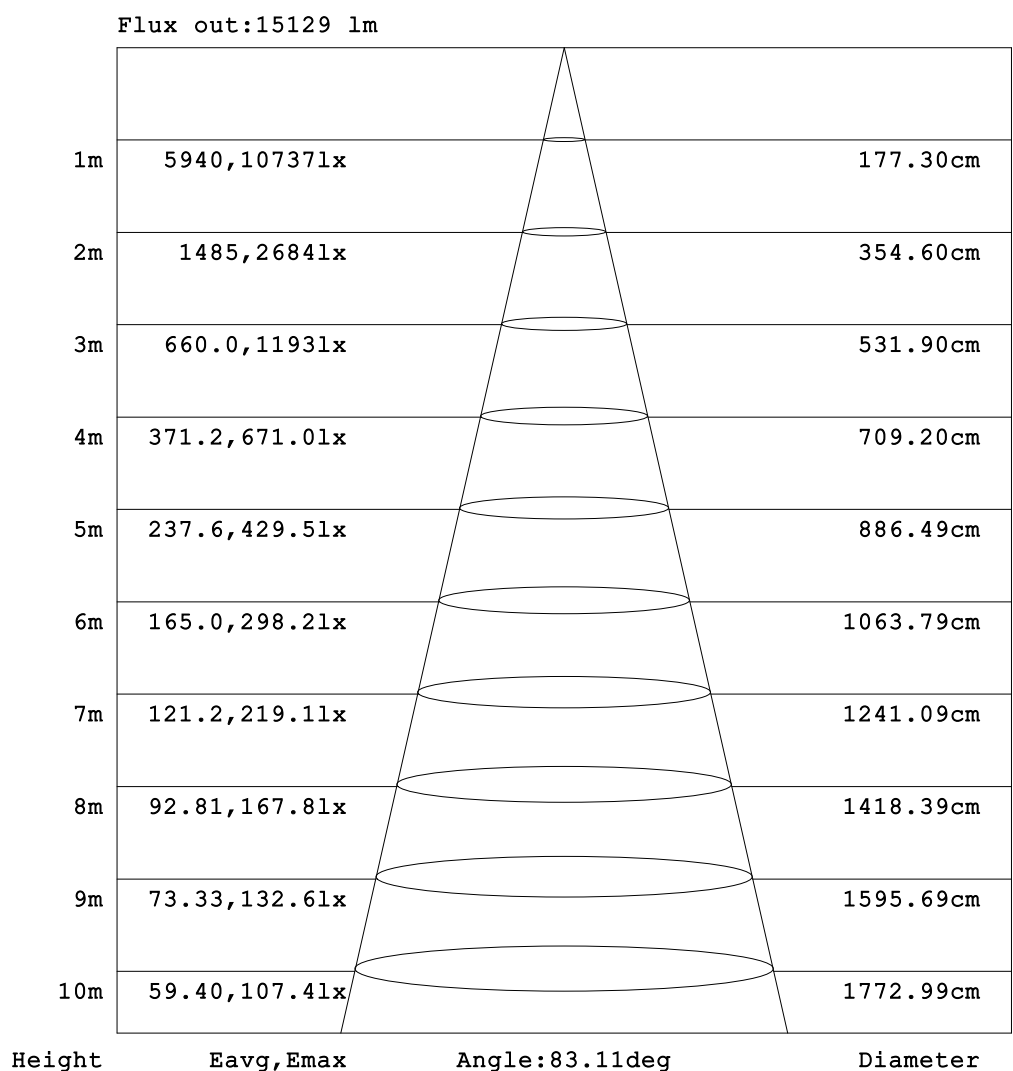


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Marvin Ma  
Test Date:2022-09-01

☐ 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:1.218A P:146.4W PF:0.9980 Freq:59.98Hz Lamp Flux:19787.7x1 lm		
NAME: H17-RPC-150W-3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB LIGHTING INC	SUR.:0.23	Shielding Angle:



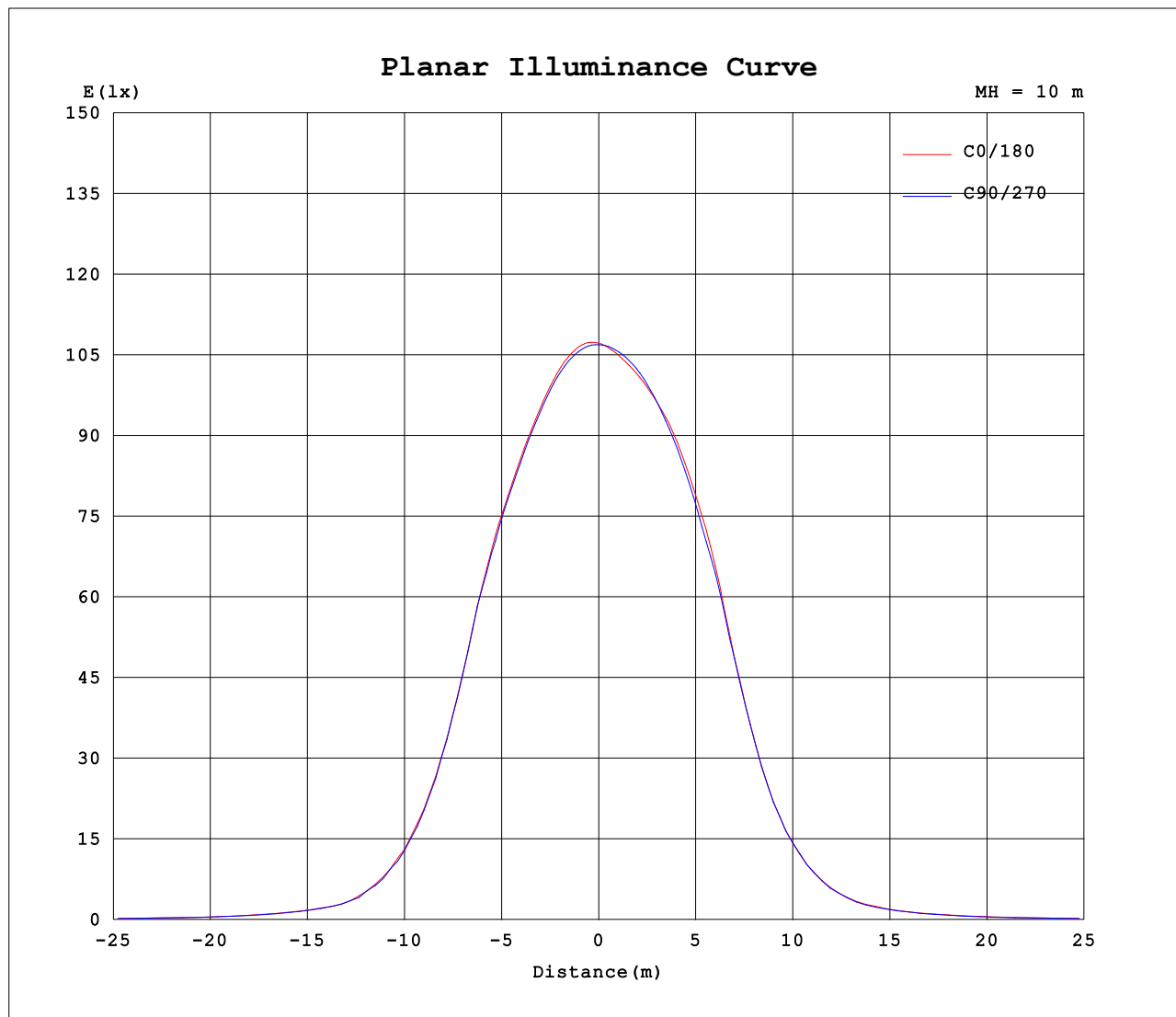
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:1.218A P:146.4W PF:0.9980 Freq:59.98Hz Lamp Flux:19787.7x1 lm								
NAME: H17-RPC-150W-3K					TYPE:			WEIGHT:
SPEC.:					DIM.:			SERIAL No.:
MFR.: RAB LIGHTING INC					SUR.:0.23			Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315										
0	1072	1070	1069	1068	1072	1070	1069	1068										
5	1081	1078	1073	1065	1066	1065	1071	1077										
10	1086	1080	1077	1070	1071	1070	1081	1085										
15	1085	1077	1077	1080	1088	1088	1092	1087										
20	1078	1072	1071	1086	1110	1108	1099	1085										
25	1061	1051	1052	1078	1111	1107	1091	1077										
30	1005	982	994	1037	1067	1067	1039	1009										
35	835	807	830	893	886	916	884	834										
40	594	574	585	645	637	666	632	580										
45	371	358	365	407	403	421	405	360										
50	203	194	205	229	228	232	222	195										
55	116	108	112	127	131	134	124	118										
60	80.3	70.8	74.5	86.7	86.4	87.8	80.7	78.6										
65	53.8	48.2	52.9	59.7	57.2	61.2	53.4	53.9										
70	40.8	38.6	44.5	48.6	49.4	47.9	42.9	42.8										
75	26.2	22.1	23.1	23.8	21.1	23.4	22.6	22.0										
80	12.3	10.9	11.8	12.2	12.0	13.4	12.0	11.2										
85	7.92	7.64	7.91	8.27	7.73	8.69	8.17	7.50										
90	5.20	5.18	5.42	5.21	4.90	5.17	5.04	4.48										
95	3.94	4.05	4.06	3.92	3.72	3.88	3.75	3.46										
100	3.68	3.84	3.93	3.74	3.63	3.51	3.40	3.41										
105	4.07	4.29	4.38	4.13	4.11	3.79	3.69	3.71										
110	4.57	4.81	4.68	4.60	4.71	4.44	4.20	4.27										
115	5.32	5.48	5.56	5.25	5.29	5.41	5.00	5.04										
120	5.97	5.83	5.60	5.33	5.16	5.70	5.82	6.12										
125	5.89	5.83	5.65	5.60	5.71	5.77	5.98	6.70										
130	6.72	6.63	6.59	6.53	6.81	6.71	6.73	6.85										
135	7.33	7.19	7.27	7.20	7.54	7.28	7.36	7.16										
140	7.78	7.58	7.65	7.51	7.86	7.63	7.77	7.39										
145	8.08	8.05	8.02	7.88	8.08	7.90	8.10	7.79										
150	8.10	8.34	8.19	8.14	8.17	8.23	8.16	8.16										
155	8.46	8.51	8.63	8.37	8.58	8.50	8.52	8.45										
160	9.00	8.99	9.19	8.87	9.13	8.97	9.06	8.99										
165	9.54	9.44	9.71	9.40	9.69	9.44	9.62	9.48										
170	9.99	9.79	10.1	9.88	10.1	9.79	10.0	9.71										
175	10.3	10.2	10.4	10.2	10.4	9.99	10.2	10.1										
180	10.7	10.3	10.6	10.4	10.7	10.3	10.6	10.4										

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: