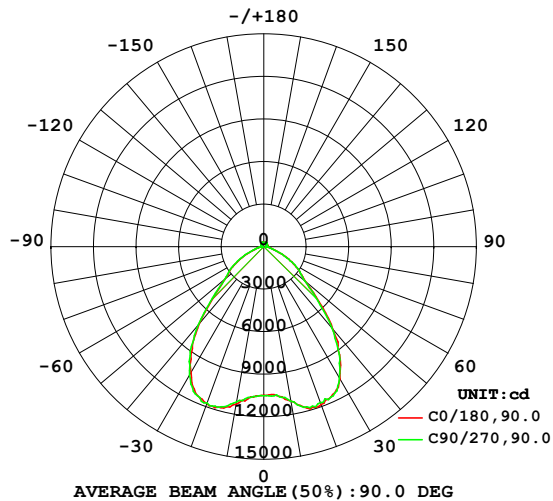


LUMINAIRE PHOTOMETRIC TEST REPORT

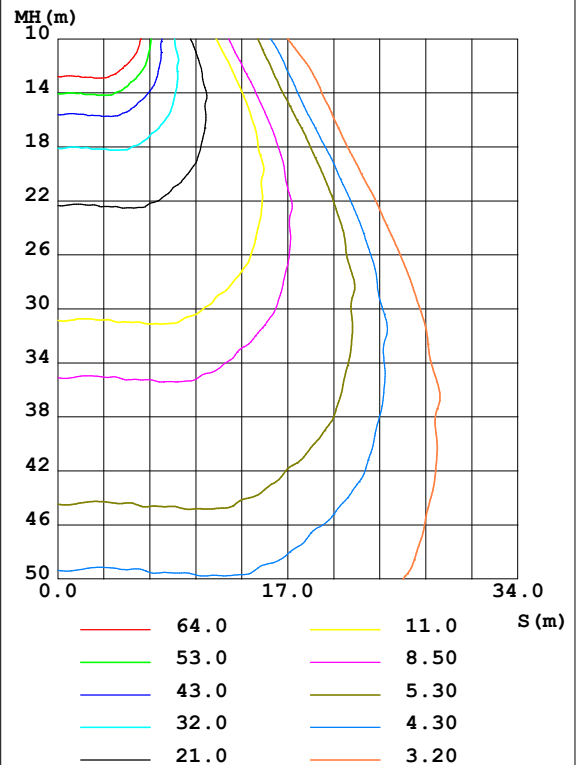
Test:U:120.4V I:1.678A P:201.6W PF:0.9980 Freq:59.99Hz Lamp Flux:26011.2x1 lm		
NAME: H17XL-RPC-RDL-200W-3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB LIGHTING INC	SUR.:0.29*0.29m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.03 lm/W			
MODEL		I _{max} (cd)	12054	S/MH(C0/180)	1.26
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	26011	□ UP,DN(C0-180)	2.9,48.1
NOMINAL FLUX(lm)	26011.2	CIE CLASS	DIRECT	□ UP,DN(C180-360)	2.8,46.2
LAMPS INSIDE	1	□ up(%)	5.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	□ down(%)	94.3	CIBSE SHR MAX	1.30

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	1106	1100	1108	1112	1127	1111	1113	1125	0- 10	1030	1030	3.96,3.96
20	1184	1169	1170	1166	1174	1168	1173	1192	10- 20	3312	4342	16.7,16.7
30	1074	1077	1067	1058	1027	1044	1048	1051	20- 30	5244	9586	36.9,36.9
40	757.5	765.7	748.7	736.8	705.7	720.7	716.5	720.9	30- 40	5657	15243	58.6,58.6
50	386.9	394.4	381.7	382.1	358.4	360.0	361.0	360.4	40- 50	4119	19361	74.4,74.4
60	239.7	241.0	243.4	239.9	217.5	222.9	223.2	223.7	50- 60	2690	22051	84.8,84.8
70	101.0	99.47	102.2	98.36	83.64	89.67	91.07	88.84	60- 70	1598	23649	90.9,90.9
80	36.17	38.44	37.80	36.38	31.57	33.18	34.44	33.26	70- 80	628.2	24277	93.3,93.3
90	15.33	15.54	15.98	15.79	15.40	15.36	15.68	15.68	80- 90	247.4	24524	94.3,94.3
100	19.46	19.40	19.25	19.26	19.98	19.77	20.14	20.31	90-100	180.7	24705	95,95
110	22.17	22.25	21.51	22.12	21.80	21.92	22.06	22.95	100-110	222.6	24928	95.8,95.8
120	22.97	24.75	22.15	23.38	21.85	23.46	22.18	23.95	110-120	225.3	25153	96.7,96.7
130	24.90	27.86	24.87	25.26	23.73	24.25	23.62	24.62	120-130	213.4	25366	97.5,97.5
140	26.80	29.73	27.59	27.86	26.70	27.81	26.37	28.29	130-140	201.0	25567	98.3,98.3
150	32.33	33.98	32.71	33.78	32.51	32.86	32.18	34.06	140-150	190.2	25758	99,99
160	33.33	30.46	33.60	29.56	31.58	28.71	32.18	29.34	150-160	151.9	25909	99.6,99.6
170	27.16	22.81	26.02	22.40	24.46	22.11	24.05	21.99	160-170	78.75	25988	99.9,99.9
180	29.12	26.05	29.14	25.82	29.07	25.85	29.25	25.40	170-180	22.98	26011	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 17569 lm

%lum = 67.5%

%lamp = 67.5%

Conical surface Flux(120deg): 22051 lm

%lum = 84.8%

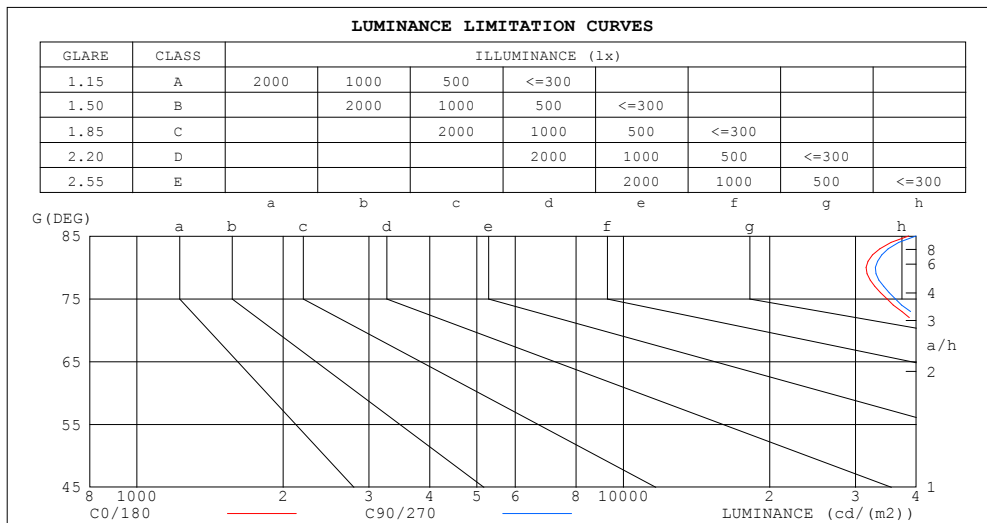
%lamp = 84.8%

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:120.4V I:1.678A P:201.6W PF:0.9980 Freq:59.99Hz Lamp Flux:26011.2x1 lm		
NAME: H17XL-RPC-RDL-200W-3K	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	38594	39992
80	31559	32981
75	34842	36200
70	44763	45255
65	61071	61524
60	72645	73763
55	82246	82527
50	91206	89975
45	118885	115936

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:120.4V I:1.678A P:201.6W PF:0.9980 Freq:59.99Hz Lamp Flux:26011.2x1 lm		
NAME: H17XL-RPC-RDL-200W-3K	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	.253 .144 .046	.244 .139 .044	.228 .131 .042	.213 .123 .039	.199 .115 .037	
2.0	.241 .132 .041	.234 .129 .040	.219 .122 .038	.206 .116 .036	.194 .110 .035	
3.0	.227 .121 .036	.221 .118 .036	.208 .113 .034	.196 .108 .033	.185 .103 .032	
4.0	.213 .111 .033	.207 .109 .032	.196 .104 .031	.186 .100 .030	.176 .096 .029	
5.0	.200 .102 .030	.195 .100 .029	.185 .096 .028	.175 .093 .028	.167 .089 .027	
6.0	.188 .094 .027	.183 .093 .027	.174 .089 .026	.166 .086 .025	.158 .083 .025	
7.0	.177 .088 .025	.173 .086 .025	.165 .083 .024	.157 .080 .023	.150 .078 .023	
8.0	.167 .082 .023	.163 .080 .023	.156 .078 .022	.149 .075 .022	.142 .073 .021	
9.0	.158 .076 .021	.154 .075 .021	.148 .073 .021	.141 .071 .020	.135 .069 .020	
10.0	.150 .072 .020	.146 .071 .020	.140 .069 .019	.134 .067 .019	.129 .065 .019	

<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	.234 .234 .234	.200 .200 .200	.137 .137 .137	.078 .078 .078	.025 .025 .025	
1.0	.220 .201 .183	.188 .172 .157	.129 .118 .109	.074 .069 .063	.024 .022 .020	
2.0	.210 .176 .148	.180 .152 .128	.123 .105 .089	.071 .061 .052	.023 .020 .017	
3.0	.201 .158 .125	.172 .137 .108	.118 .095 .076	.068 .055 .045	.022 .018 .015	
4.0	.193 .145 .108	.165 .125 .094	.114 .087 .066	.066 .051 .039	.021 .017 .013	
5.0	.185 .134 .096	.159 .116 .084	.110 .081 .059	.064 .048 .035	.020 .016 .012	
6.0	.179 .126 .088	.153 .109 .076	.106 .076 .054	.061 .045 .032	.020 .015 .011	
7.0	.172 .119 .081	.148 .103 .071	.102 .072 .050	.059 .043 .030	.019 .014 .010	
8.0	.166 .113 .076	.143 .098 .066	.099 .069 .047	.058 .041 .028	.019 .013 .009	
9.0	.161 .108 .072	.139 .094 .063	.096 .066 .045	.056 .039 .027	.018 .013 .009	
10.0	.156 .104 .069	.134 .090 .060	.093 .063 .043	.054 .038 .026	.018 .012 .008	

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:120.4V I:1.678A P:201.6W PF:0.9980 Freq:59.99Hz Lamp Flux:26011.2x1 lm										
NAME: H17XL-RPC-RDL-200W-3K					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	27.3	28.6	27.7	28.9	29.2	27.3	28.6	27.6	28.9	29.2
3H	27.9	29.0	28.3	29.4	29.7	27.9	29.0	28.3	29.4	29.7
4H	28.0	29.1	28.4	29.4	29.8	28.0	29.1	28.4	29.4	29.8
6H	28.1	29.1	28.5	29.5	29.8	28.1	29.1	28.5	29.5	29.9
8H	28.1	29.1	28.5	29.5	29.9	28.1	29.1	28.6	29.5	29.9
12H	28.1	29.1	28.6	29.5	29.9	28.2	29.1	28.6	29.5	29.9
4H 2H	27.6	28.7	28.0	29.0	29.4	27.6	28.6	27.9	29.0	29.3
3H	28.2	29.2	28.7	29.6	30.0	28.2	29.2	28.7	29.6	30.0
4H	28.4	29.3	28.9	29.7	30.1	28.5	29.3	28.9	29.7	30.2
6H	28.6	29.3	29.1	29.8	30.3	28.6	29.4	29.1	29.8	30.3
8H	28.7	29.4	29.2	29.8	30.3	28.7	29.4	29.2	29.9	30.4
12H	28.7	29.4	29.3	29.9	30.4	28.8	29.4	29.3	29.9	30.4
8H 4H	28.5	29.2	29.0	29.6	30.1	28.5	29.2	29.0	29.6	30.1
6H	28.7	29.3	29.2	29.8	30.3	28.7	29.3	29.3	29.8	30.4
8H	28.8	29.3	29.4	29.9	30.4	28.9	29.4	29.4	29.9	30.5
12H	29.0	29.4	29.6	30.0	30.6	29.1	29.5	29.6	30.0	30.6
12H 4H	28.4	29.1	28.9	29.5	30.1	28.5	29.1	29.0	29.6	30.1
6H	28.7	29.2	29.3	29.7	30.3	28.8	29.3	29.3	29.8	30.3
8H	28.9	29.3	29.4	29.9	30.4	28.9	29.4	29.5	29.9	30.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.6 / - 0.7				
1.5H	+ 0.7 / - 0.6					+ 0.7 / - 0.6				
2.0H	+ 0.9 / - 0.6					+ 0.9 / - 0.6				

CIE Pub.117, 26011 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 11.3$)

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:120.4V I:1.678A P:201.6W PF:0.9980 Freq:59.99Hz Lamp Flux:26011.2x1 lm		
NAME: H17XL-RPC-RDL-200W-3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB LIGHTING INC	SUR.:0.29*0.29m	Shielding Angle:

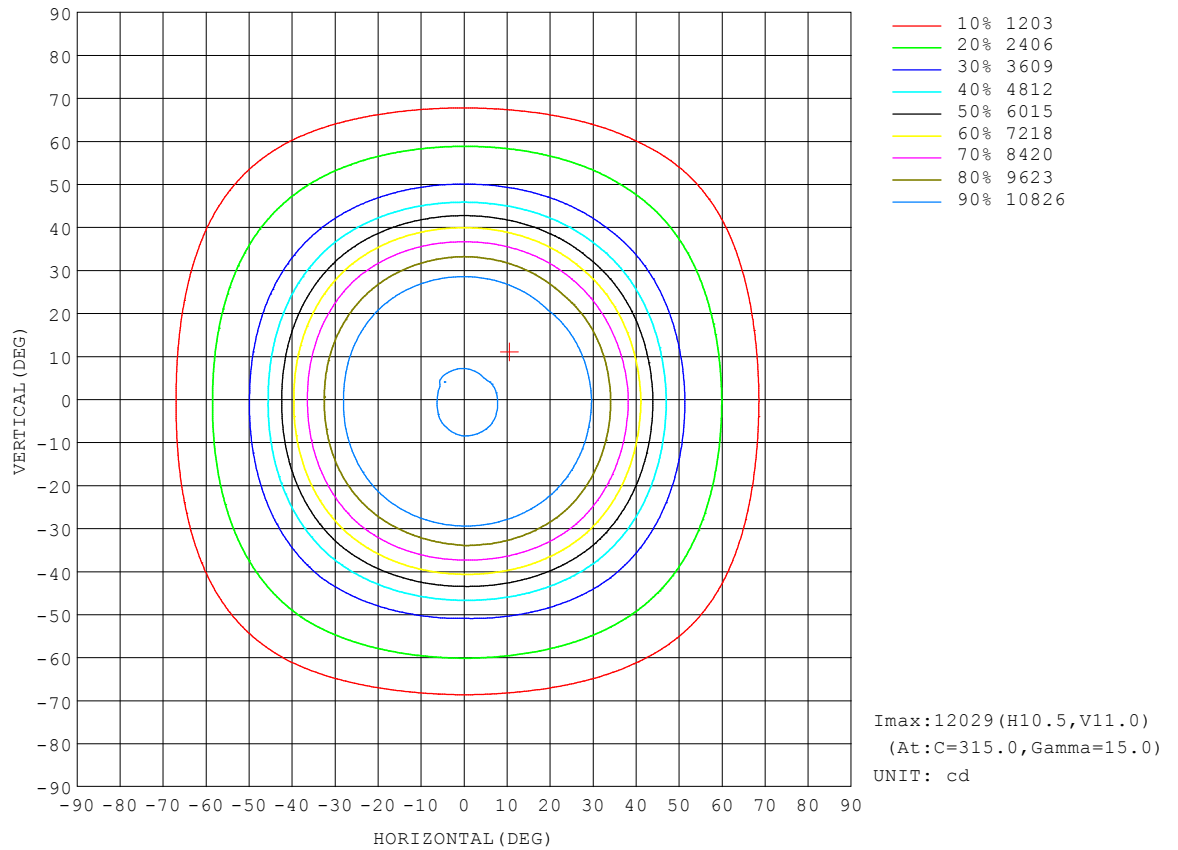
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	66	56	50	65	55	50	63	55	49	44
0.80	75	65	59	74	65	59	72	64	58	52
1.00	83	74	67	81	73	67	79	73	66	60
1.25	89	80	75	87	79	74	84	78	73	66
1.50	93	85	79	91	84	79	88	82	77	70
2.00	99	92	87	97	90	85	93	88	83	76
2.50	102	95	90	99	94	89	95	90	87	78
3.00	104	99	94	102	97	93	97	93	90	81
4.00	108	103	99	105	101	97	100	97	94	84
5.00	110	106	102	107	103	100	101	99	96	86
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:120.4V I:1.678A P:201.6W PF:0.9980 Freq:59.99Hz Lamp Flux:26011.2x1 lm		
NAME: H17XL-RPC-RDL-200W-3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB LIGHTING INC	SUR.:0.29*0.29m	Shielding Angle:

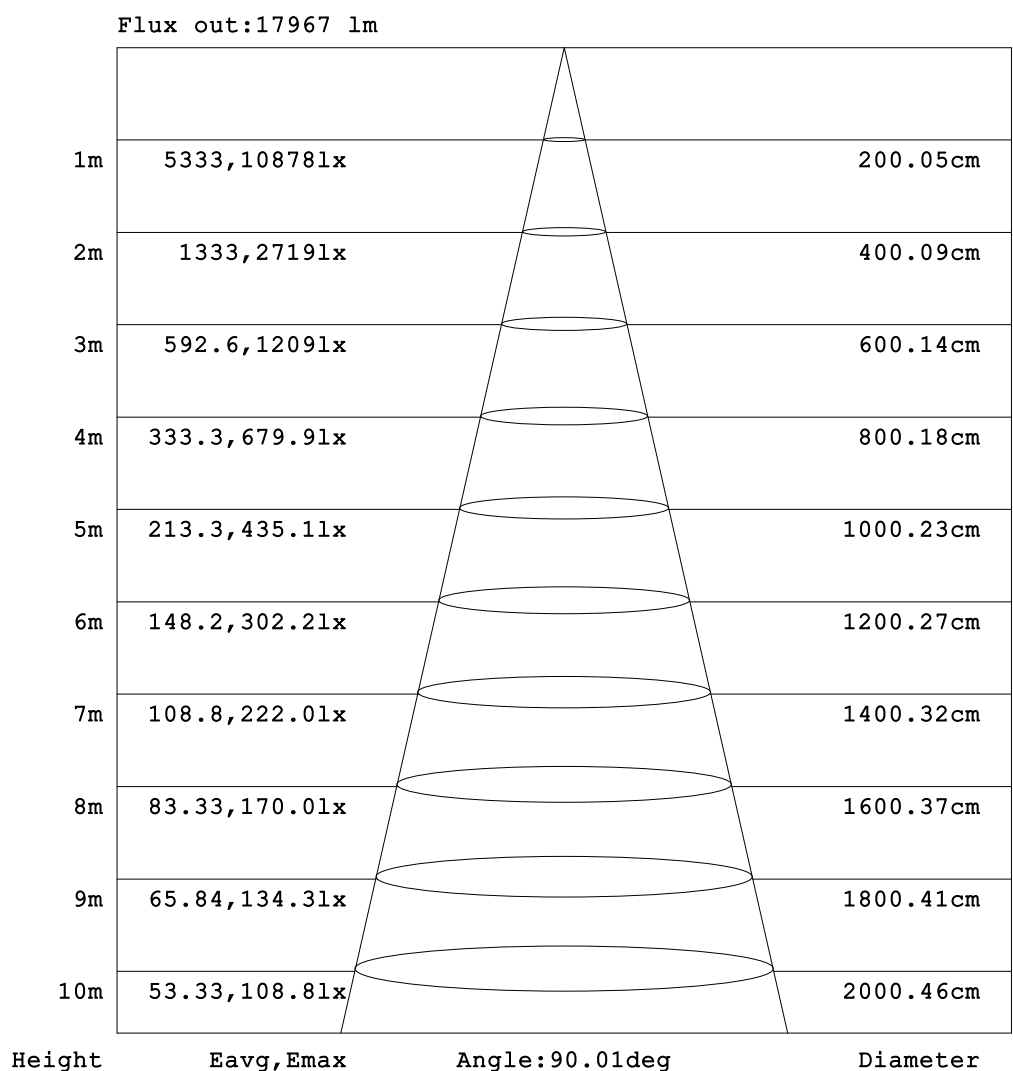


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Marvin Ma
Test Date:2022-09-01

☐ 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:120.4V I:1.678A P:201.6W PF:0.9980 Freq:59.99Hz Lamp Flux:26011.2x1 lm		
NAME: H17XL-RPC-RDL-200W-3K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB LIGHTING INC	SUR.:0.29*0.29m	Shielding Angle:

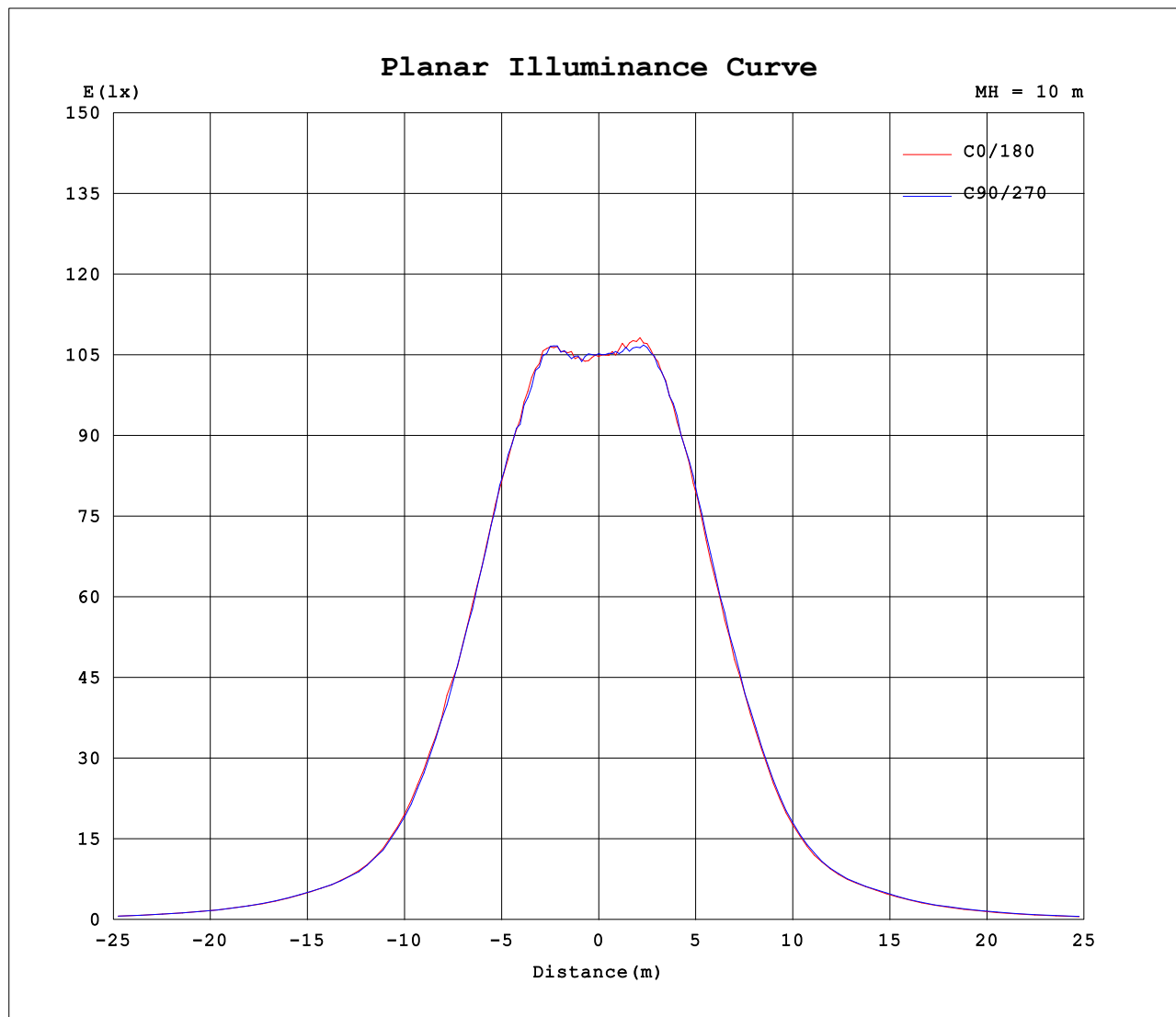


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

☐ 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:120.4V I:1.678A P:201.6W PF:0.9980 Freq:59.99Hz Lamp Flux:26011.2x1 lm		
NAME: H17XL-RPC-RDL-200W-3K	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	1047	1048	1052	1053	1047	1048	1052	1053										
5	1054	1059	1050	1060	1062	1063	1069	1068										
10	1106	1100	1108	1112	1127	1111	1113	1125										
15	1178	1172	1168	1177	1176	1165	1170	1205										
20	1184	1169	1170	1166	1174	1168	1173	1192										
25	1151	1155	1162	1152	1141	1142	1146	1141										
30	1074	1077	1067	1058	1027	1044	1048	1051										
35	933	945	929	922	880	901	905	889										
40	758	766	749	737	706	721	716	721										
45	555	562	541	531	500	514	511	508										
50	387	394	382	382	358	360	361	360										
55	311	323	312	311	292	293	297	293										
60	240	241	243	240	218	223	223	224										
65	170	170	172	168	148	155	156	155										
70	101	99.5	102	98.4	83.6	89.7	91.1	88.8										
75	59.5	61.8	61.8	59.2	51.7	54.4	56.1	54.1										
80	36.2	38.4	37.8	36.4	31.6	33.2	34.4	33.3										
85	22.2	22.9	23.0	22.5	19.6	20.5	21.0	20.5										
90	15.3	15.5	16.0	15.8	15.4	15.4	15.7	15.7										
95	15.5	15.4	15.4	15.5	16.0	15.8	16.0	16.1										
100	19.5	19.4	19.2	19.3	20.0	19.8	20.1	20.3										
105	21.2	21.0	20.8	20.8	21.1	20.9	21.5	21.5										
110	22.2	22.2	21.5	22.1	21.8	21.9	22.1	23.0										
115	22.6	23.5	21.6	23.0	21.8	22.9	22.0	23.9										
120	23.0	24.7	22.1	23.4	21.9	23.5	22.2	23.9										
125	23.8	26.2	23.3	23.6	22.6	23.6	22.7	23.9										
130	24.9	27.9	24.9	25.3	23.7	24.3	23.6	24.6										
135	25.5	28.2	25.9	26.4	24.9	25.4	24.6	25.9										
140	26.8	29.7	27.6	27.9	26.7	27.8	26.4	28.3										
145	29.5	31.7	30.2	30.8	29.7	30.4	28.9	31.9										
150	32.3	34.0	32.7	33.8	32.5	32.9	32.2	34.1										
155	33.4	33.5	33.7	33.1	32.6	32.2	33.3	32.8										
160	33.3	30.5	33.6	29.6	31.6	28.7	32.2	29.3										
165	30.9	26.3	29.6	25.2	27.7	24.6	28.4	25.5										
170	27.2	22.8	26.0	22.4	24.5	22.1	24.1	22.0										
175	26.8	24.3	26.2	23.0	26.3	23.8	24.4	24.3										
180	29.1	26.0	29.1	25.8	29.1	25.9	29.3	25.4										

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: