

Spectrum Test Report

Sample :
Specification :
Sample No. : R20-7-840-DIM
Manufacturer : RAB Lighting Inc
Remark :

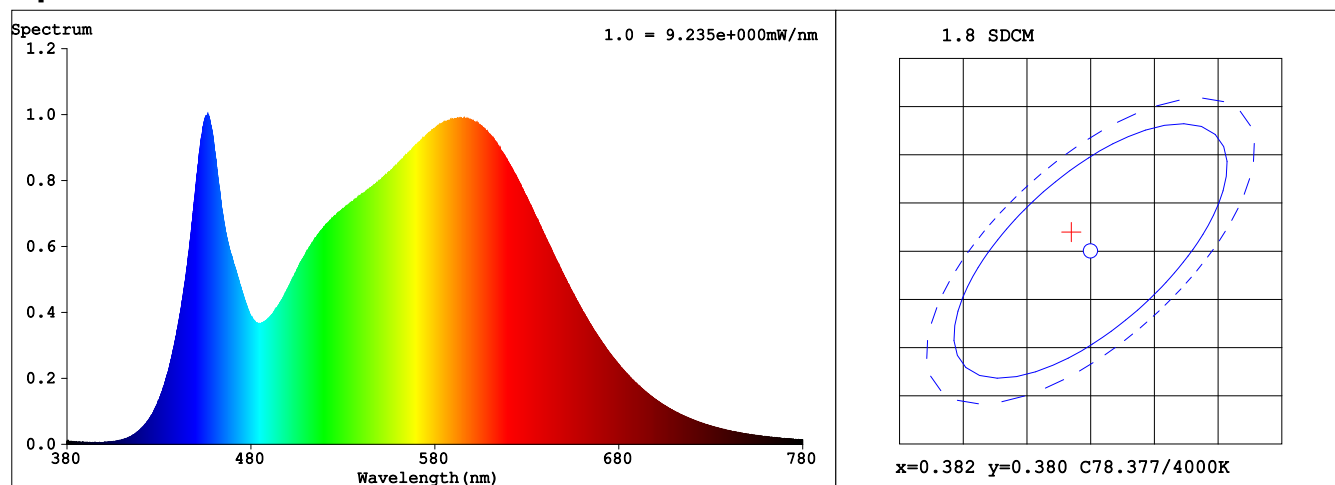
Date : 2019-11-08 00:41:40
Sam. Status :
Standard :
Instrument : HaasSuite(EVERFINE)
Test by : yang yi (2.0)

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 30.1%
IP : 52694 (80%)
T : 400 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3803$ $y = 0.3816$ / $u' = 0.2231$ $v' = 0.5037$ ($duv=2.29e-03$)

CCT= 4038K Prcp WL: $L_d=577.7nm$ Purity=28.6%

Peak WL: $L_p=457nm$ FWHM: $=29.0nm$ Ratio:R=18.2% G=77.8% B=4.0%

Render Index: $R_a = 83.7$ TM30:Rf=82 Rg=93

R1 =82 R2 =91 R3 =96 R4 =80 R5 =82 R6 =87 R7 =86

R8 =65 R9 =11 R10=78 R11=79 R12=62 R13=85 R14=98 R15=76

LEVEL:OUT WHITE:ANSI_4000K

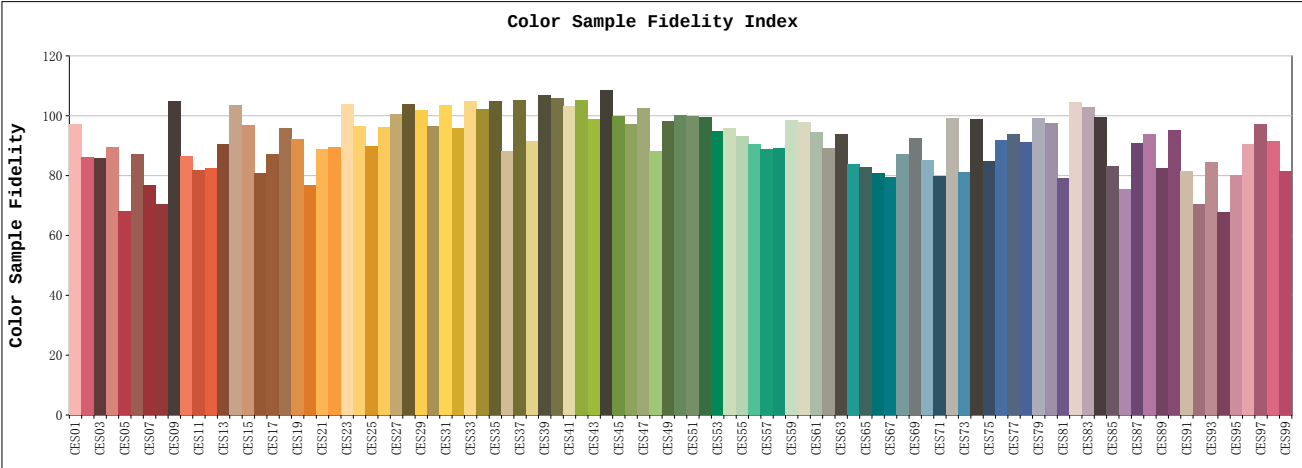
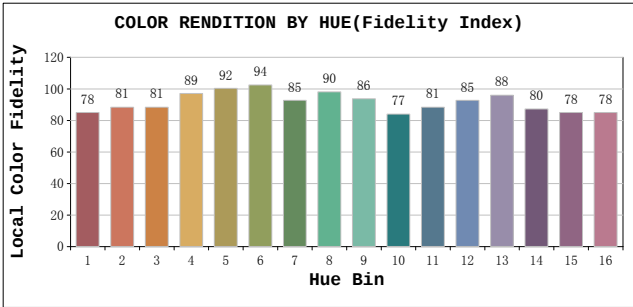
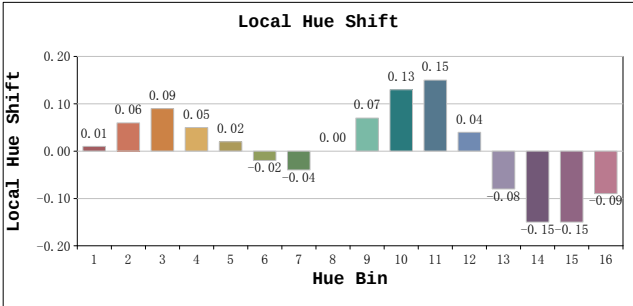
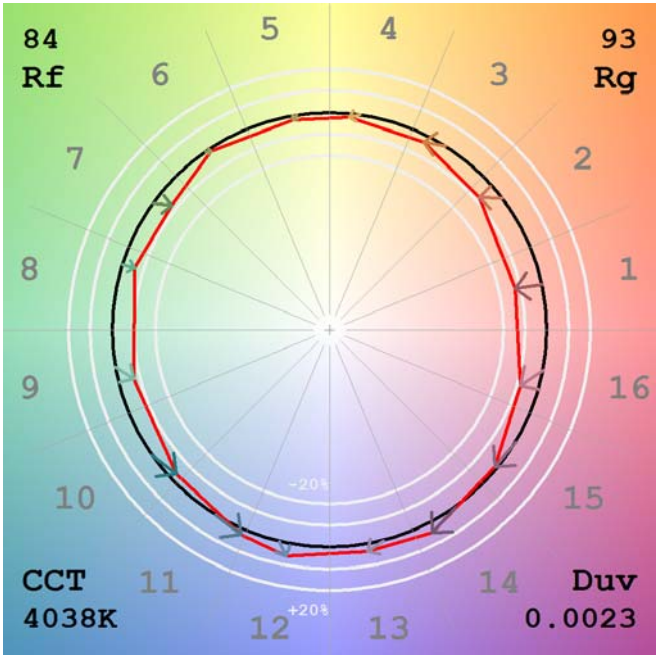
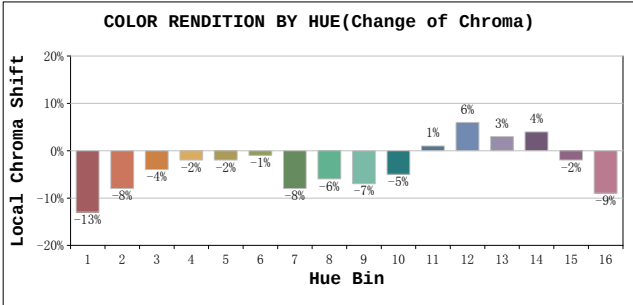
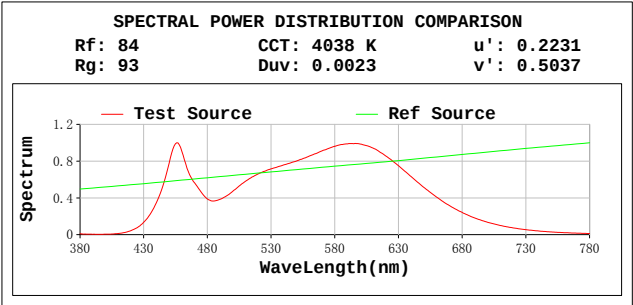
Photometric & Radiometric Parameters

Flux = 531.92 lm Eff. : 94.31 lm/W $F_e = 1.6201 W$

Electrical parameters

V = 120.05 V I = 0.05970 A P = 5.640 W PF = 0.7869

TM30

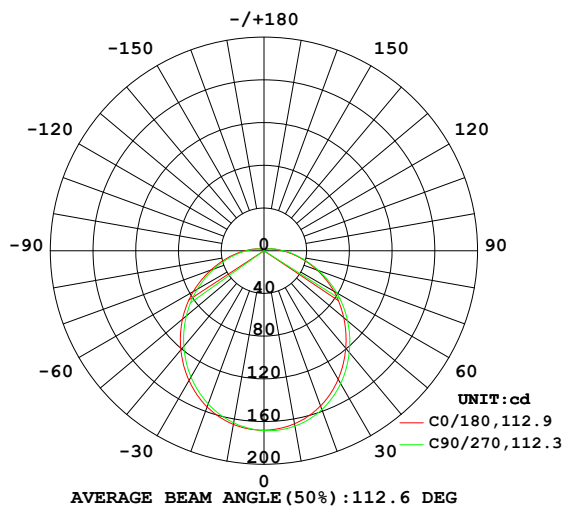


LUMINAIRE PHOTOMETRIC TEST REPORT

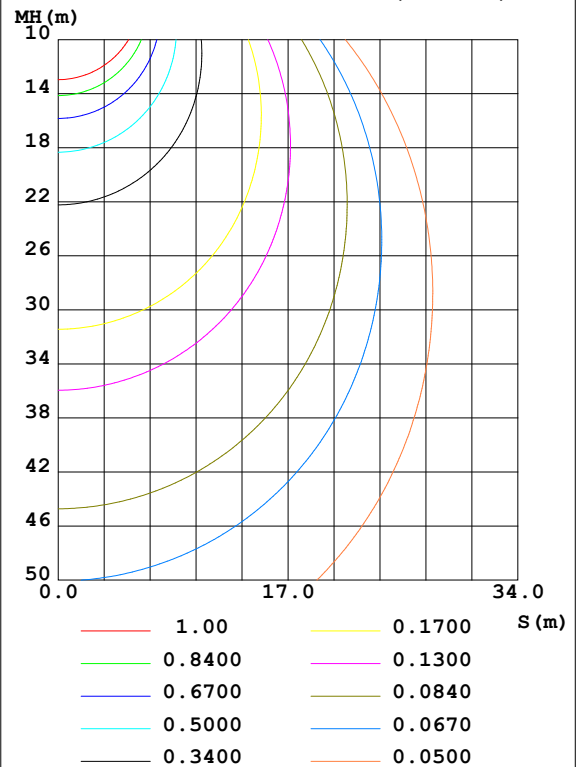
Test:U:119.9V I:0.0615A P:5.640W PF:0.7647 Freq:0Hz Lamp Flux:538x1 lm		
NAME: R20-7-840-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.39 lm/W			
MODEL	/	I _{max} (cd)	168.7	S/MH (C0/180)	1.24
NOMINAL POWER (W)	/	LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	538.00	η UP,DN (C0-180)	2.8, 48.2
NOMINAL FLUX (lm)	538	CIE CLASS	DIRECT	η UP,DN (C180-360)	2.7, 46.3
LAMPS INSIDE	1	η up (%)	5.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	94.5	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LXJ
 Test Date: 2019-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

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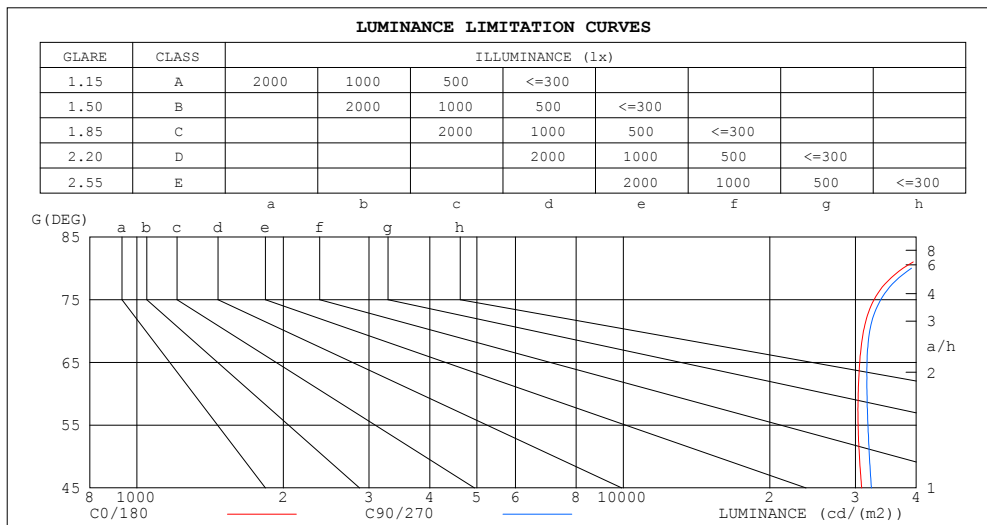
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	167.1	167.9	168.4	168.4	167.4	166.9	166.8	167.0	0- 5	4.015	4.015	0.75,0.75
10	164.5	165.9	166.7	166.6	165.1	164.1	163.6	164.0	5- 10	11.90	15.91	2.96,2.96
15	160.4	162.3	163.3	163.0	161.1	159.6	158.8	159.3	10- 15	19.34	35.26	6.55,6.55
20	154.7	157.1	158.3	157.9	155.6	153.7	152.7	153.2	15- 20	26.08	61.34	11.4,11.4
25	147.5	150.3	151.7	151.1	148.6	146.4	145.2	145.7	20- 25	31.86	93.20	17.3,17.3
30	139.0	142.1	143.6	143.1	140.4	138.0	136.6	137.0	25- 30	36.49	129.7	24.1,24.1
35	129.4	132.6	134.3	134.0	131.1	128.7	127.1	127.3	30- 35	39.84	169.5	31.5,31.5
40	119.1	122.3	124.2	124.0	121.1	118.7	116.8	116.9	35- 40	41.87	211.4	39.3,39.3
45	108.4	111.5	113.5	113.3	110.6	108.0	106.1	106.1	40- 45	42.59	254.0	47.2,47.2
50	97.48	100.3	102.2	102.1	99.59	96.85	94.93	95.15	45- 50	42.07	296.1	55,55
55	86.47	88.76	90.58	90.60	88.20	85.42	83.67	84.13	50- 55	40.39	336.4	62.5,62.5
60	75.39	77.08	78.61	78.54	76.41	73.82	72.25	73.04	55- 60	37.63	374.1	69.5,69.5
65	64.17	65.34	66.42	66.18	64.47	62.14	60.89	61.94	60- 65	33.92	408.0	75.8,75.8
70	52.88	53.73	54.44	54.11	52.81	50.77	49.78	50.79	65- 70	29.43	437.4	81.3,81.3
75	42.08	42.87	43.42	42.92	42.08	40.29	39.38	40.25	70- 75	24.54	462.0	85.9,85.9
80	32.37	33.22	33.69	33.14	32.61	30.99	30.19	30.81	75- 80	19.68	481.6	89.5,89.5
85	24.15	25.00	25.43	24.99	24.57	23.16	22.43	22.84	80- 85	15.20	496.8	92.4,92.4
90	17.49	18.22	18.63	18.34	18.05	16.92	16.29	16.55	85- 90	11.32	508.2	94.5,94.5
95	12.61	13.15	13.50	13.29	13.12	12.30	11.85	11.99	90- 95	8.223	516.4	96,96
100	9.306	9.656	9.878	9.719	9.633	9.110	8.807	8.936	95-100	5.952	522.3	97.1,97.1
105	7.096	7.291	7.414	7.287	7.237	6.916	6.733	6.849	100-105	4.378	526.7	97.9,97.9
110	5.458	5.585	5.647	5.544	5.501	5.293	5.186	5.294	105-110	3.261	530.0	98.5,98.5
115	4.209	4.292	4.317	4.225	4.161	4.042	3.991	4.085	110-115	2.418	532.4	99,99
120	3.237	3.293	3.297	3.216	3.156	3.090	3.072	3.149	115-120	1.780	534.2	99.3,99.3
125	2.458	2.494	2.483	2.416	2.376	2.342	2.346	2.407	120-125	1.291	535.5	99.5,99.5
130	1.844	1.863	1.842	1.787	1.766	1.750	1.770	1.815	125-130	0.9144	536.4	99.7,99.7
135	1.354	1.359	1.331	1.287	1.286	1.283	1.310	1.343	130-135	0.6287	537.0	99.8,99.8
140	0.9728	0.9628	0.9253	0.8941	0.9114	0.9183	0.9495	0.9737	135-140	0.4163	537.4	99.9,99.9
145	0.6783	0.6358	0.6064	0.5888	0.6227	0.6371	0.6709	0.6915	140-145	0.2627	537.7	99.9,99.9
150	0.3557	0.3240	0.3590	0.3585	0.4047	0.4236	0.4594	0.4832	145-150	0.1521	537.8	100,100
155	0.1367	0.1270	0.1785	0.1952	0.2513	0.2709	0.3083	0.3316	150-155	0.0768	537.9	100,100
160	0.1835	0.1738	0.0704	0.0987	0.1543	0.1747	0.2074	0.2155	155-160	0.0421	538.0	100,100
165	0.1792	0.1227	0.0411	0.0502	0.0919	0.1122	0.1321	0.1481	160-165	0.0220	538.0	100,100
170	0.1128	0.0742	0.0216	0.0215	0.0226	0.0205	0.0527	0.0719	165-170	0.0096	538.0	100,100
175	0.0129	0.0128	0.0128	0.0129	0.0122	0.0125	0.0130	0.0125	170-175	0.0022	538.0	100,100
180	0.0005	0	0	0	0.0003	0.0006	0.0006	0.0006	175-180	0.0002	538.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LXJ
 Test Date:2019-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:28.2%
 Test Distance:1.191m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.9V I:0.0615A P:5.640W PF:0.7647 Freq:0Hz Lamp Flux:538x1 lm		
NAME: R20-7-840-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	55856	58818
80	37578	39111
75	32776	33823
70	31169	32088
65	30614	31688
60	30398	31696
55	30395	31839
50	30576	32059
45	30912	32362

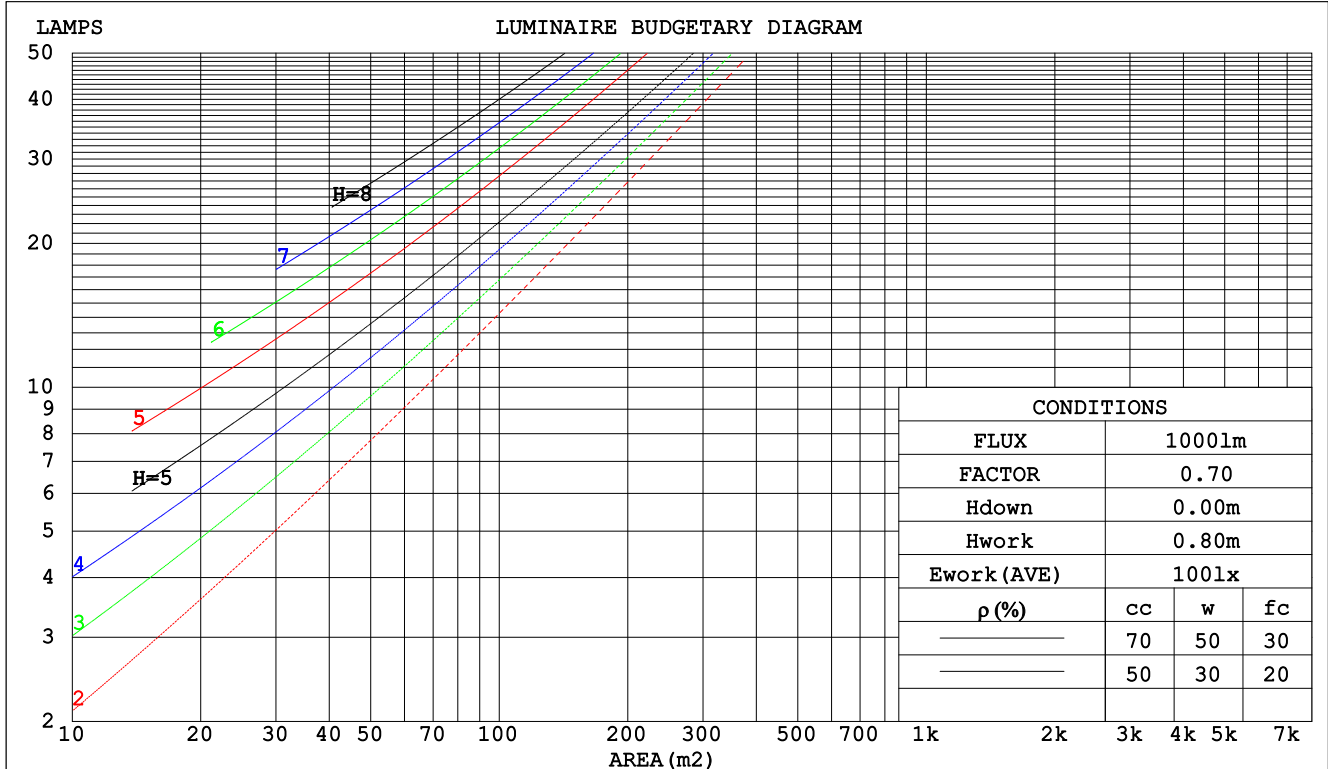
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.9V I:0.0615A P:5.640W PF:0.7647 Freq:0Hz Lamp Flux:538x1 lm		
NAME: R20-7-840-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.97	.97	.97	.94
1.0	1.01	.96	.91	.98	.93	.89	.92	.89	.85	.87	.85	.82	.83	.81	.78	.76
2.0	.87	.80	.73	.85	.78	.72	.80	.74	.70	.76	.71	.67	.72	.68	.65	.62
3.0	.76	.67	.61	.74	.66	.60	.70	.63	.58	.67	.61	.56	.63	.59	.55	.52
4.0	.67	.58	.51	.65	.57	.50	.62	.55	.49	.59	.53	.48	.56	.51	.47	.44
5.0	.60	.51	.44	.58	.50	.43	.56	.48	.42	.53	.47	.41	.51	.45	.40	.38
6.0	.54	.45	.38	.53	.44	.38	.50	.43	.37	.48	.41	.36	.46	.40	.35	.33
7.0	.49	.40	.34	.48	.39	.33	.46	.38	.33	.44	.37	.32	.42	.36	.31	.29
8.0	.45	.36	.30	.44	.35	.30	.42	.34	.29	.40	.33	.29	.39	.33	.28	.26
9.0	.41	.33	.27	.40	.32	.27	.38	.31	.26	.37	.30	.26	.36	.30	.25	.23
10.0	.38	.30	.24	.37	.29	.24	.36	.29	.24	.34	.28	.23	.33	.27	.23	.21



C Range: 0 - 360DEG
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 Test Speed: HIGH
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γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.9V I:0.0615A P:5.640W PF:0.7647 Freq:0Hz Lamp Flux:538x1 lm					
NAME: R20-7-840-DIM			TYPE: /		WEIGHT: /
SPEC.: /			DIM.: /		SERIAL No.: /
MFR.: RAB Lighting Inc			SUR.: /		Shielding Angle: /

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.348	.198	.063	.339	.193	.061	.322	.185	.059	.307	.177	.057	.293	.170	.055	
2.0	.312	.171	.052	.304	.168	.052	.289	.161	.050	.276	.155	.048	.263	.149	.047	
3.0	.282	.150	.045	.275	.148	.044	.262	.142	.043	.250	.137	.042	.239	.132	.041	
4.0	.257	.134	.039	.251	.131	.039	.239	.127	.038	.228	.123	.037	.218	.118	.036	
5.0	.236	.120	.035	.230	.118	.034	.220	.114	.034	.210	.111	.033	.201	.107	.032	
6.0	.217	.109	.031	.212	.107	.031	.203	.104	.030	.194	.101	.030	.186	.098	.029	
7.0	.202	.100	.028	.197	.098	.028	.188	.095	.027	.180	.092	.027	.173	.090	.026	
8.0	.188	.092	.026	.184	.090	.026	.176	.088	.025	.168	.085	.025	.162	.083	.024	
9.0	.175	.085	.024	.172	.084	.023	.165	.081	.023	.158	.079	.023	.152	.077	.022	
10.0	.165	.079	.022	.161	.078	.022	.155	.076	.021	.149	.074	.021	.143	.072	.021	

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.233	.233	.233	.199	.199	.199	.136	.136	.136	.078	.078	.078	.025	.025	.025		
1.0	.226	.198	.174	.193	.170	.150	.132	.117	.104	.076	.068	.060	.024	.022	.019		
2.0	.218	.175	.138	.187	.150	.120	.128	.104	.083	.074	.061	.049	.024	.020	.016		
3.0	.210	.157	.116	.180	.136	.100	.124	.094	.070	.071	.055	.041	.023	.018	.014		
4.0	.202	.144	.100	.173	.125	.087	.119	.087	.061	.069	.051	.036	.022	.017	.012		
5.0	.195	.134	.090	.167	.116	.078	.115	.081	.055	.067	.048	.033	.021	.016	.011		
6.0	.187	.126	.082	.161	.109	.072	.111	.076	.051	.064	.045	.030	.021	.015	.010		
7.0	.180	.119	.077	.155	.103	.067	.107	.072	.047	.062	.043	.028	.020	.014	.009		
8.0	.174	.113	.072	.149	.098	.063	.103	.069	.045	.060	.041	.027	.019	.013	.009		
9.0	.167	.109	.069	.144	.094	.060	.100	.066	.043	.058	.039	.025	.019	.013	.008		
10.0	.162	.104	.066	.139	.091	.058	.097	.064	.041	.056	.038	.025	.018	.012	.008		

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UGR(Unified Glare Rating) Table

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NAME: R20-7-840-DIM						TYPE: /		WEIGHT: /			
SPEC.: /						DIM.: /		SERIAL No.: /			
MFR.: RAB Lighting Inc						SUR.: /		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	24.4	25.9	24.7	26.2	26.5	24.5	26.0	24.9	26.3	26.6	
	3H	26.2	27.5	26.6	27.9	28.2	26.3	27.7	26.7	28.0	28.4
	4H	27.0	28.3	27.4	28.7	29.1	27.2	28.5	27.6	28.9	29.2
	6H	27.9	29.1	28.3	29.5	29.9	28.1	29.3	28.5	29.7	30.1
	8H	28.3	29.5	28.7	29.9	30.3	28.5	29.7	28.9	30.1	30.5
	12H	28.8	29.9	29.2	30.3	30.7	29.0	30.1	29.4	30.5	31.0
4H	2H	25.1	26.4	25.5	26.7	27.1	25.2	26.5	25.6	26.8	27.2
	3H	27.1	28.2	27.5	28.6	29.0	27.2	28.3	27.6	28.7	29.2
	4H	28.1	29.1	28.5	29.6	30.0	28.2	29.3	28.7	29.7	30.1
	6H	29.1	30.0	29.6	30.5	31.0	29.3	30.2	29.7	30.6	31.1
	8H	29.6	30.5	30.1	31.0	31.5	29.8	30.7	30.3	31.1	31.7
	12H	30.2	31.0	30.7	31.5	32.0	30.4	31.2	30.9	31.7	32.2
8H	4H	28.5	29.4	29.0	29.8	30.3	28.6	29.5	29.1	30.0	30.5
	6H	29.8	30.5	30.3	31.0	31.6	29.9	30.6	30.4	31.1	31.7
	8H	30.4	31.1	31.0	31.6	32.2	30.6	31.3	31.1	31.8	32.4
	12H	31.2	31.8	31.8	32.3	32.9	31.4	32.0	32.0	32.5	33.1
12H	4H	28.6	29.4	29.1	29.9	30.4	28.7	29.5	29.2	30.0	30.5
	6H	29.9	30.6	30.5	31.1	31.7	30.0	30.7	30.6	31.2	31.8
	8H	30.7	31.3	31.3	31.8	32.4	30.8	31.4	31.4	32.0	32.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3					

CIE Pub.117, 538.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.2)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LXJ
 Test Date: 2019-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.9V I:0.0615A P:5.640W PF:0.7647 Freq:0Hz Lamp Flux:538x1 lm		
NAME: R20-7-840-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

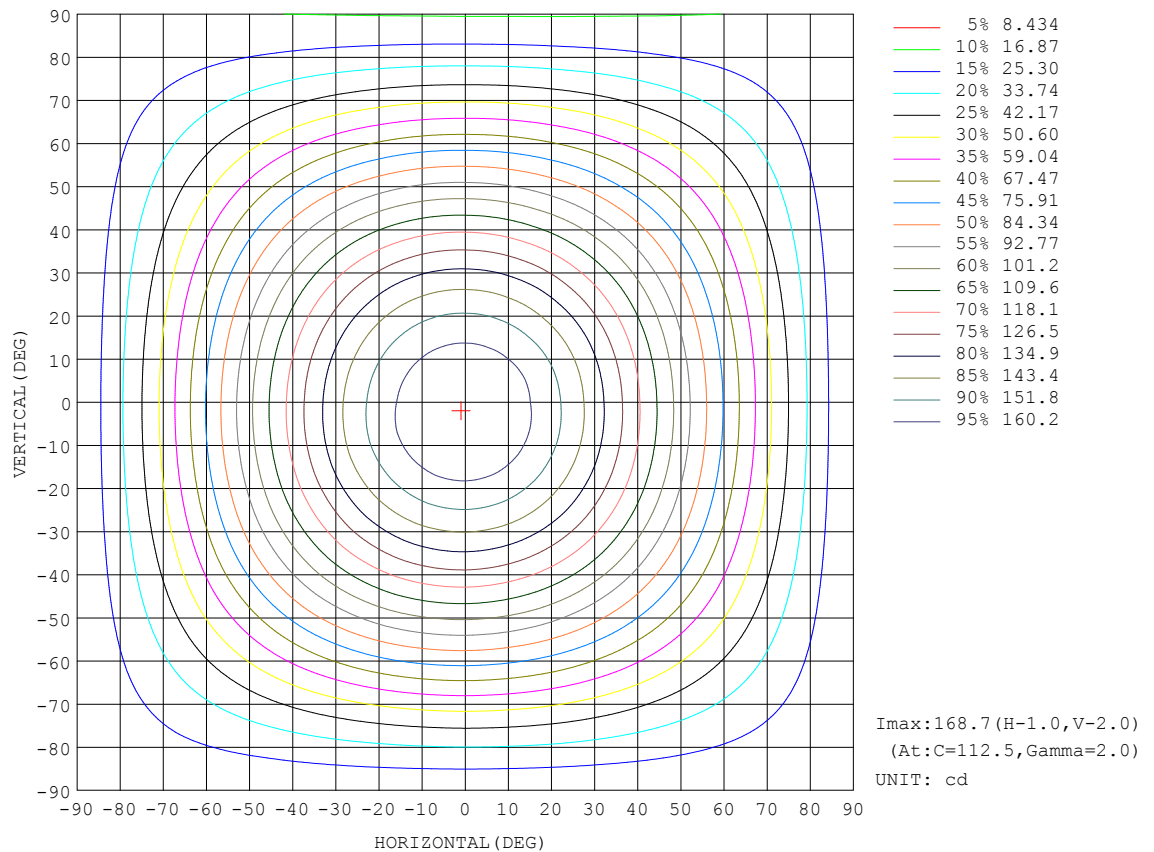
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	52	42	35	28
0.80	64	52	44	63	51	44	61	50	43	36
1.00	72	60	52	71	59	52	68	61	51	44
1.25	79	68	60	77	67	59	74	65	58	50
1.50	84	73	65	82	72	65	78	70	63	55
2.00	91	81	74	89	80	73	84	77	71	62
2.50	95	86	79	92	84	78	88	81	76	66
3.00	98	90	84	96	89	83	91	85	80	70
4.00	103	96	90	100	94	89	95	90	86	75
5.00	105	100	95	102	97	93	97	93	89	78
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LXJ
 Test Date: 2019-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.9V I:0.0615A P:5.640W PF:0.7647 Freq:0Hz Lamp Flux:538x1 lm		
NAME: R20-7-840-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

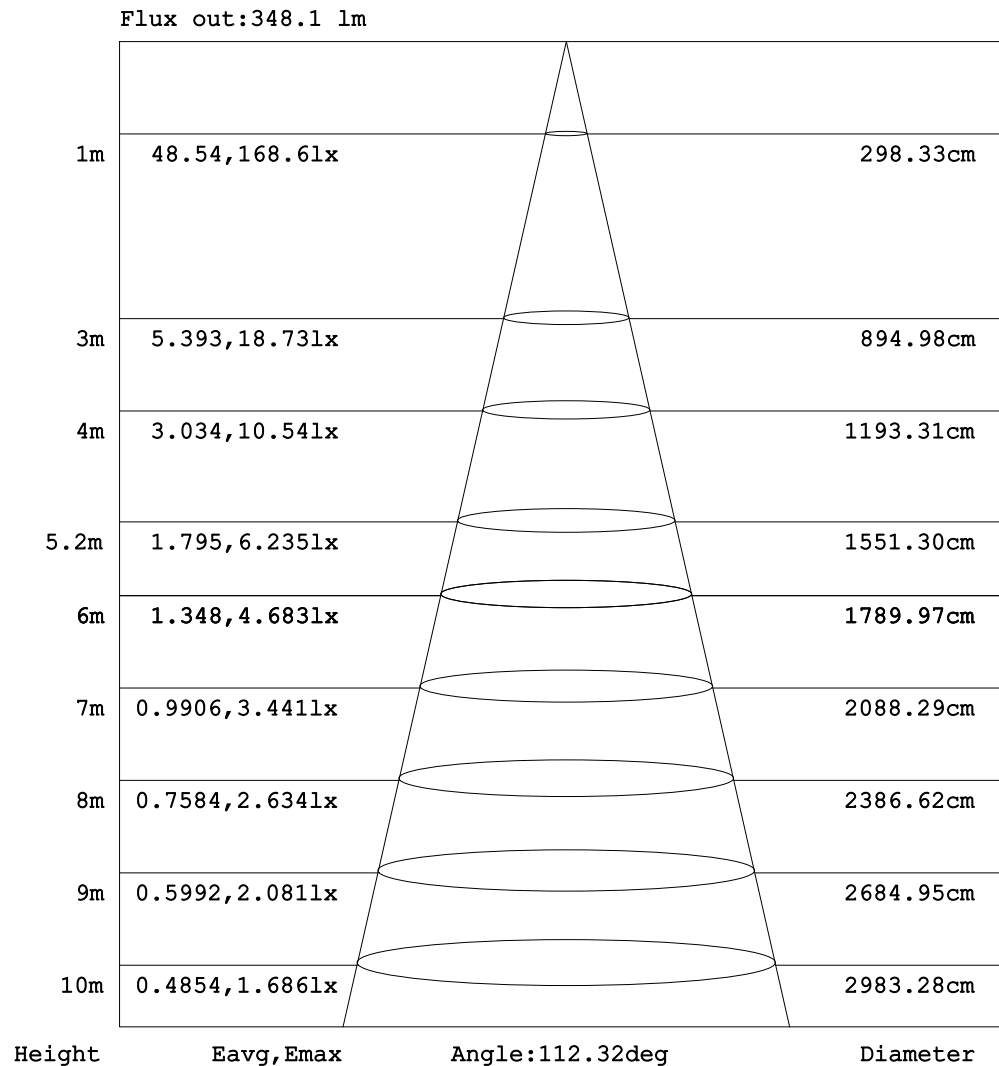


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LXJ
Test Date:2019-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:28.2%
Test Distance:1.191m [K=1.0000]
Remarks:

AAI Figure

Test:U:119.9V I:0.0615A P:5.640W PF:0.7647 Freq:0Hz Lamp Flux:538x1 lm		
NAME: R20-7-840-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



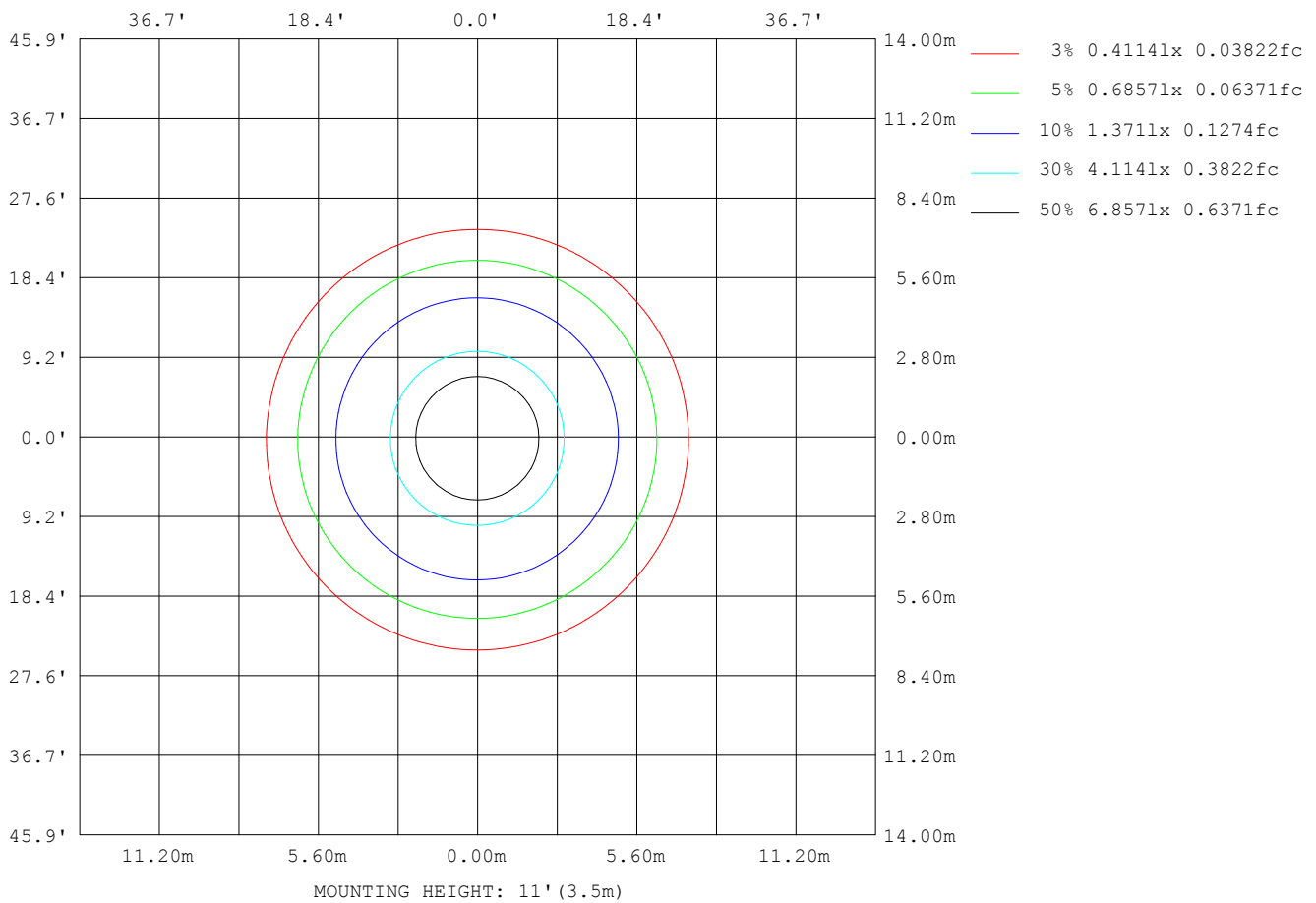
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LXJ
 Test Date: 2019-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.9V I:0.0615A P:5.640W PF:0.7647 Freq:0Hz Lamp Flux:538x1 lm		
NAME: R20-7-840-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LXJ
 Test Date: 2019-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.9V I:0.0615A P:5.640W PF:0.7647 Freq:0Hz Lamp Flux:538x1 lm		
NAME: R20-7-840-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

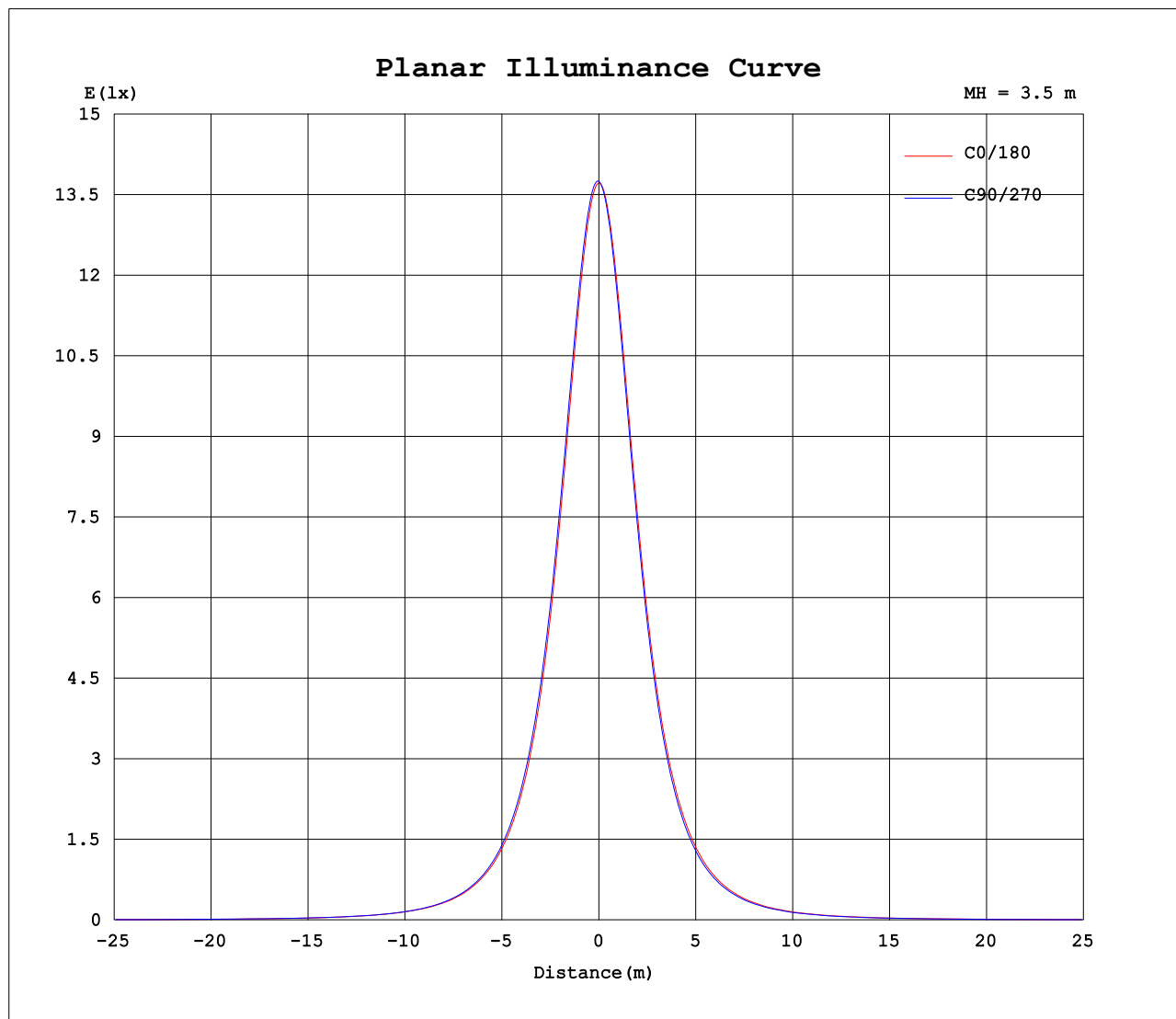
AvgL	cd/m2
L_0~180 (65) av	30684
L_0~180 (75) av	32777
L_0~180 (85) av	56343
L_90~270 (65) av	30369
L_90~270 (75) av	32250
L_90~270 (85) av	55347
L_45 (65) av	30485
L_45 (75) av	32394
L_45 (85) av	55515

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LXJ
 Test Date: 2019-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 28.2%
 Test Distance: 1.191m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LXJ
Test Date: 2019-11-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 28.2%
Test Distance: 1.191m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.0615A P:5.640W PF:0.7647 Freq:0Hz Lamp Flux:538x1 lm		
NAME: R20-7-840-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	168	168	168	168	168	168	169	169	168	168	168	168	168	168	169	169			
5	167	167	168	168	168	168	168	168	167	167	167	167	167	167	167	167			
10	165	165	166	166	167	167	167	166	165	165	164	164	164	164	164	164			
15	160	161	162	163	163	163	163	162	161	160	160	159	159	159	159	160			
20	155	156	157	158	158	158	158	157	156	155	154	153	153	153	153	154			
25	148	149	150	151	152	152	151	150	149	147	146	146	145	145	146	147			
30	139	141	142	143	144	144	143	142	140	139	138	137	137	136	137	138			
35	129	131	133	134	134	134	134	133	131	130	129	128	127	127	127	128			
40	119	121	122	123	124	124	124	123	121	120	119	118	117	117	117	118			
45	108	110	111	113	114	114	113	112	111	109	108	107	106	106	106	107			
50	97.5	99.1	100	101	102	102	102	101	99.6	98.1	96.8	95.7	94.9	94.7	95.2	96.4			
55	86.5	87.8	88.8	89.8	90.6	90.8	90.6	89.7	88.2	86.6	85.4	84.3	83.7	83.6	84.1	85.4			
60	75.4	76.4	77.1	78.0	78.6	78.8	78.5	77.8	76.4	74.9	73.8	72.8	72.3	72.3	73.0	74.4			
65	64.2	65.0	65.3	66.0	66.4	66.4	66.2	65.7	64.5	63.1	62.1	61.3	60.9	61.1	61.9	63.3			
70	52.9	53.5	53.7	54.2	54.4	54.3	54.1	53.8	52.8	51.5	50.8	50.0	49.8	50.1	50.8	52.1			
75	42.1	42.6	42.9	43.3	43.4	43.1	42.9	42.8	42.1	41.0	40.3	39.6	39.4	39.6	40.3	41.3			
80	32.4	32.9	33.2	33.6	33.7	33.4	33.1	33.2	32.6	31.7	31.0	30.4	30.2	30.3	30.8	31.7			
85	24.1	24.7	25.0	25.3	25.4	25.3	25.0	25.0	24.6	23.8	23.2	22.7	22.4	22.5	22.8	23.5			
90	17.5	17.9	18.2	18.5	18.6	18.5	18.3	18.4	18.1	17.4	16.9	16.5	16.3	16.3	16.5	17.0			
95	12.6	12.9	13.2	13.4	13.5	13.4	13.3	13.3	13.1	12.7	12.3	12.0	11.8	11.8	12.0	12.3			
100	9.31	9.50	9.66	9.82	9.88	9.81	9.72	9.74	9.63	9.36	9.11	8.92	8.81	8.84	8.94	9.14			
105	7.10	7.20	7.29	7.38	7.41	7.35	7.29	7.31	7.24	7.08	6.92	6.80	6.73	6.76	6.85	6.99			
110	5.46	5.54	5.58	5.64	5.65	5.59	5.54	5.54	5.50	5.40	5.29	5.21	5.19	5.20	5.29	5.40			
115	4.21	4.26	4.29	4.32	4.32	4.27	4.23	4.22	4.16	4.10	4.04	4.00	3.99	4.03	4.08	4.15			
120	3.24	3.27	3.29	3.31	3.30	3.25	3.22	3.20	3.16	3.12	3.09	3.07	3.07	3.10	3.15	3.19			
125	2.46	2.48	2.49	2.50	2.48	2.45	2.42	2.40	2.38	2.36	2.34	2.33	2.35	2.37	2.41	2.43			
130	1.84	1.86	1.86	1.86	1.84	1.81	1.79	1.78	1.77	1.76	1.75	1.75	1.77	1.79	1.81	1.83			
135	1.35	1.36	1.36	1.35	1.33	1.30	1.29	1.29	1.29	1.28	1.28	1.29	1.31	1.33	1.34	1.35			
140	0.97	0.97	0.96	0.95	0.93	0.90	0.89	0.90	0.91	0.91	0.92	0.93	0.95	0.97	0.97	0.97			
145	0.68	0.66	0.64	0.63	0.61	0.59	0.59	0.61	0.62	0.63	0.64	0.65	0.67	0.69	0.69	0.69			
150	0.36	0.06	0.32	0.36	0.36	0.35	0.36	0.39	0.40	0.41	0.42	0.44	0.46	0.48	0.48	0.47			
155	0.14	0.29	0.13	0.19	0.18	0.17	0.20	0.23	0.25	0.26	0.27	0.29	0.31	0.33	0.33	0.31			
160	0.18	0.21	0.17	0.11	0.07	0.06	0.10	0.13	0.15	0.16	0.17	0.19	0.21	0.22	0.22	0.18			
165	0.18	0.16	0.12	0.08	0.04	0.03	0.05	0.07	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.12			
170	0.11	0.10	0.07	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.05	0.06	0.07	0.10			
175	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C Range: 0 - 360DEG
C Interval: 22.5DEG
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γ Range: 0 - 180DEG
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