

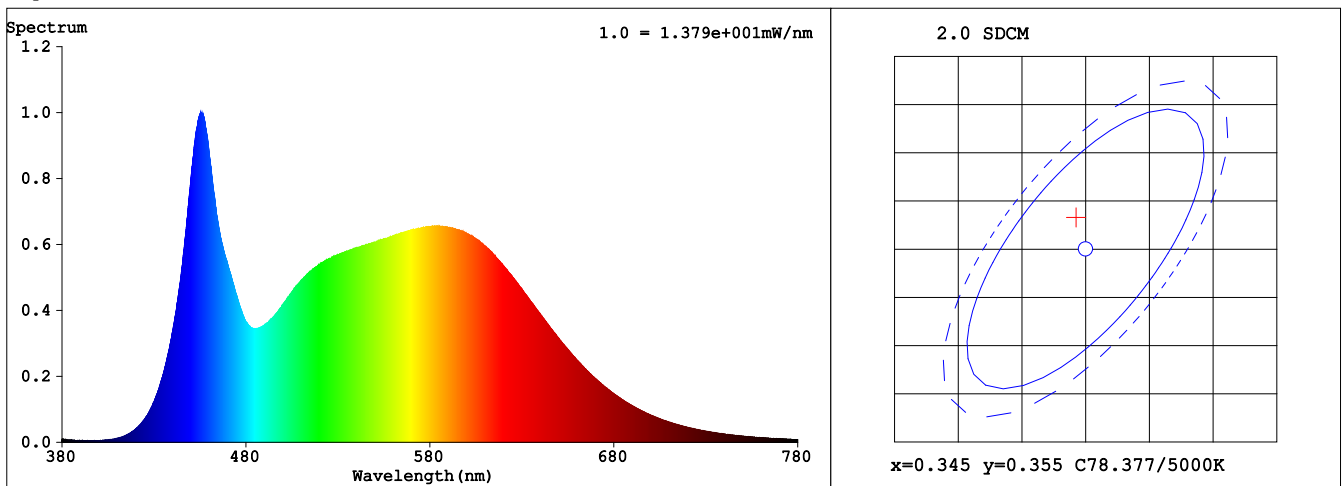
Spectrum Test Report

Sample	:	Date	:	2019-11-08 00:03:26
Specification	:	Sam. Status	:	
Sample No.	:	Standard	:	
Manufacturer	:	Instrument	:	HaasSuite(EVERFINE)
Remark	:	Test by	:	yang yi (2.0)

Test Condition

Temperature	:	25.1Deg	RH	:	30.1%
WL Range	:	380nm-780nm	IP	:	51983 (79%)
Test Mode	:	Fast Test	T	:	400 ms
Sensitivity	:	High			

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3439$ $y = 0.3583$ / $u' = 0.2080$ $v' = 0.4877$ ($duv=3.83e-03$)

CCT= 5067K Prpc WL: $L_d=568.3nm$ Purity=10.7%

Peak WL: $L_p=455nm$ FWHM: =27.7nm Ratio:R=15.7% G=79.1% B=5.2%

Render Index: $R_a = 84.9$ TM30:Rf=83 Rg=93

R1 =83 R2 =92 R3 =96 R4 =82 R5 =84 R6 =88 R7 =87

R8 =68 R9 =14 R10=80 R11=81 R12=65 R13=86 R14=98 R15=78

LEVEL:OUT WHITE:ANSI_5000K

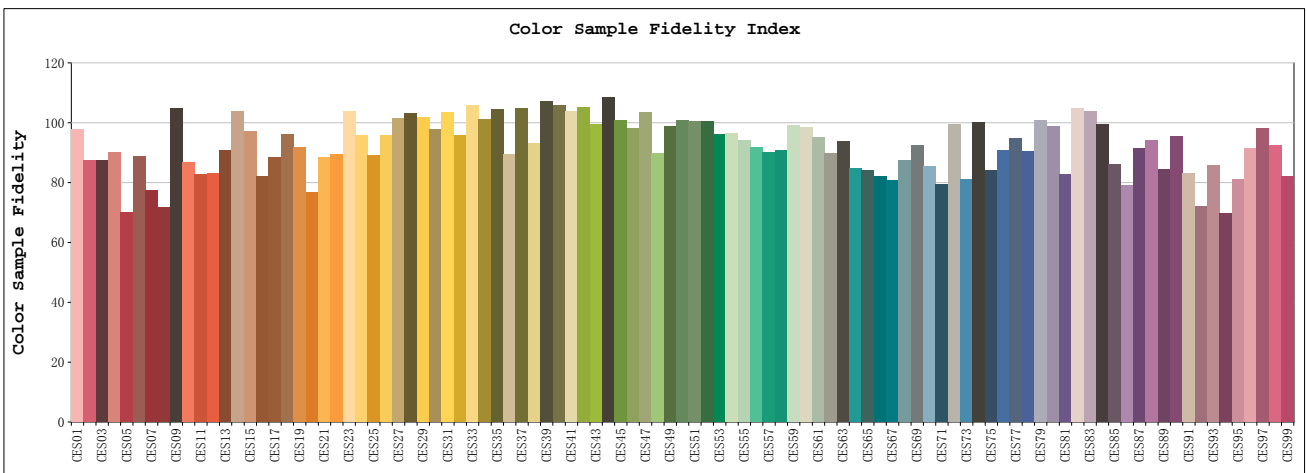
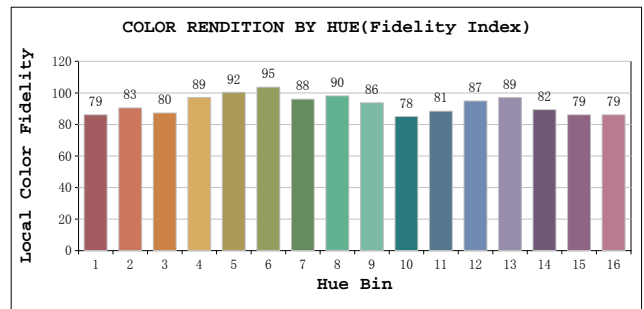
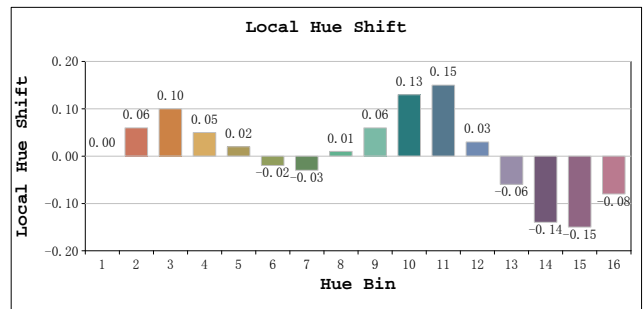
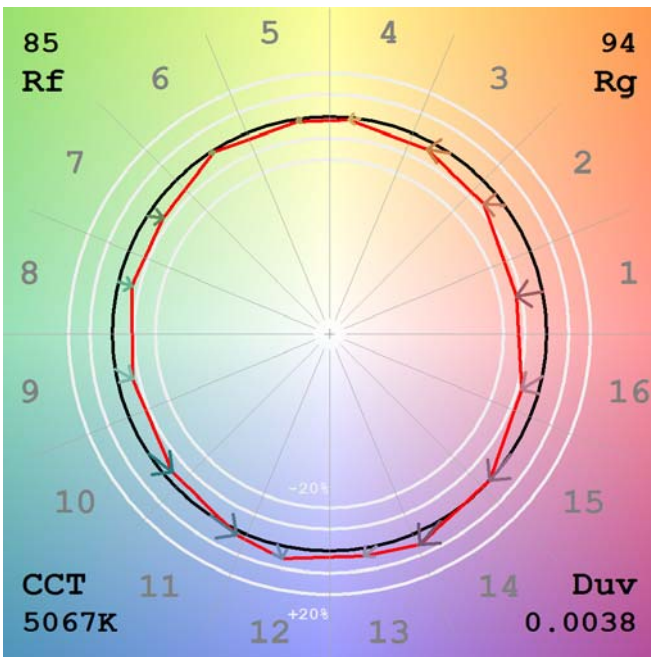
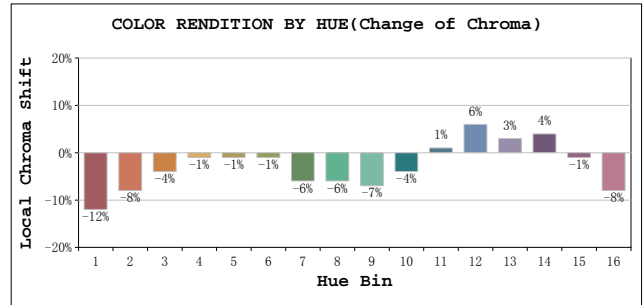
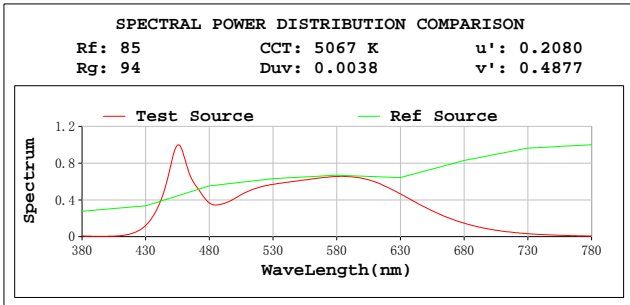
Photometric & Radiometric Parameters

Flux = 577.62 lm Eff. : 100.63 lm/W Fe = 1.8143 W

Electrical parameters

V = 120.04 V I = 0.06100 A P = 5.740 W PF = 0.7839

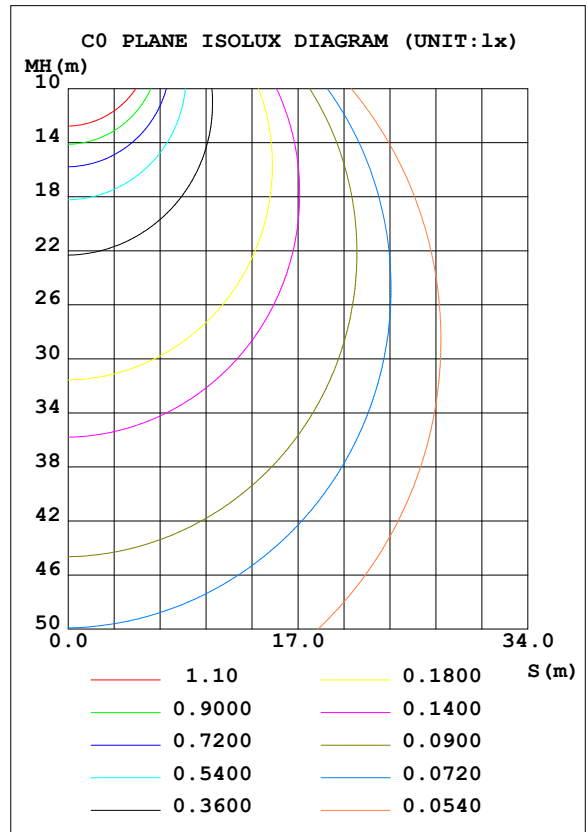
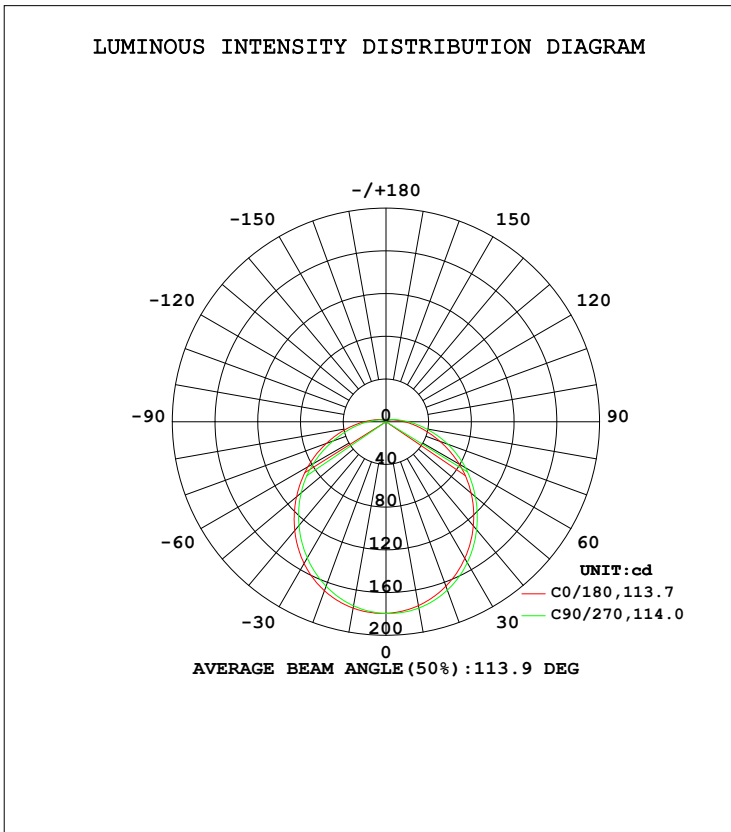
TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.9V I:0.0630A P:5.760W PF:0.7623 Freq:0Hz Lamp Flux:581.099x1 lm		
NAME: R20-7-850-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100.89 lm/W			
MODEL	/	I _{max} (cd)	179.7	S/MH (C0/180)	1.27
NOMINAL POWER (W)	/	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	581.10	η UP, DN (C0-180)	2.9, 48.1
NOMINAL FLUX (lm)	581.099	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.7, 46.4
LAMPS INSIDE	1	η up (%)	5.6	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	94.4	CIBSE SHR MAX	1.35



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

ZONAL FLUX DIAGRAM:

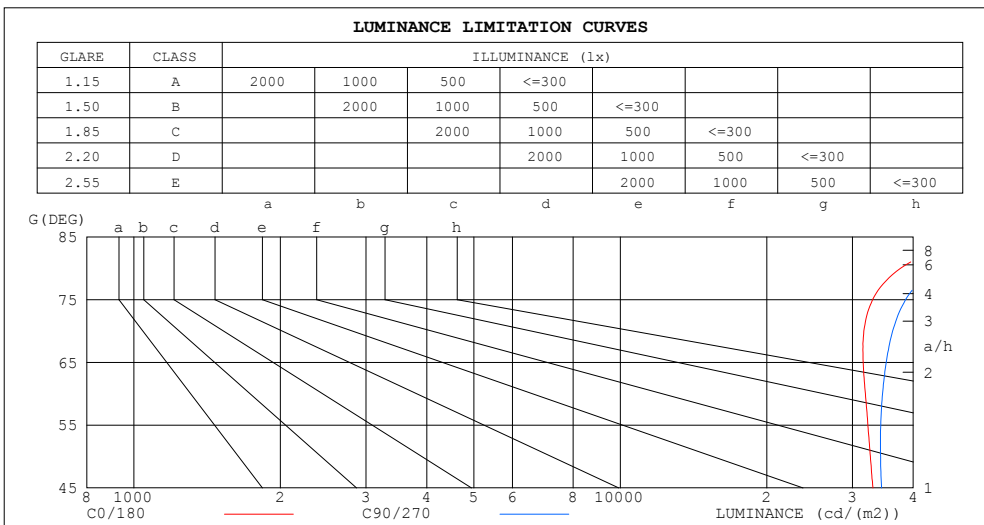
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	178.0	178.6	179.2	179.4	179.1	178.6	178.1	177.9	0- 5	4.281	4.281	0.74,0.74
10	174.8	175.9	177.1	177.7	177.2	176.1	175.0	174.6	5- 10	12.69	16.97	2.92,2.92
15	170.1	171.6	173.3	174.2	173.6	172.0	170.3	169.6	10- 15	20.64	37.61	6.47,6.47
20	163.9	165.8	167.8	169.1	168.4	166.2	164.0	163.2	15- 20	27.85	65.45	11.3,11.3
25	156.4	158.4	160.8	162.5	161.6	158.8	156.2	155.5	20- 25	34.07	99.52	17.1,17.1
30	147.7	149.7	152.3	154.3	153.3	150.1	147.3	146.6	25- 30	39.09	138.6	23.9,23.9
35	137.9	140.0	142.6	144.8	143.7	140.4	137.5	136.7	30- 35	42.79	181.4	31.2,31.2
40	127.3	129.5	132.0	134.2	132.9	129.8	126.8	126.1	35- 40	45.08	226.5	39,39
45	115.9	118.3	120.8	122.8	121.4	118.5	115.6	114.9	40- 45	45.97	272.5	46.9,46.9
50	104.1	106.8	109.3	111.0	109.3	106.8	103.8	103.2	45- 50	45.51	318.0	54.7,54.7
55	91.83	94.98	97.59	99.03	97.03	94.63	91.55	90.97	50- 55	43.79	361.8	62.3,62.3
60	79.09	82.84	85.81	86.94	84.48	82.02	78.66	78.13	55- 60	40.88	402.6	69.3,69.3
65	66.15	70.46	73.81	74.77	71.93	69.21	65.56	65.10	60- 65	36.89	439.5	75.6,75.6
70	53.73	58.09	61.58	62.47	59.41	56.64	52.86	52.54	65- 70	32.06	471.6	81.2,81.2
75	42.39	46.28	49.55	50.42	47.69	44.96	41.46	41.33	70- 75	26.77	498.4	85.8,85.8
80	32.47	35.67	38.48	39.24	37.05	34.64	31.60	31.61	75- 80	21.49	519.9	89.5,89.5
85	24.18	26.95	28.87	29.59	27.88	25.96	23.48	23.51	80- 85	16.59	536.4	92.3,92.3
90	17.54	19.31	21.00	21.66	20.39	19.00	17.13	17.12	85- 90	12.35	548.8	94.4,94.4
95	12.72	13.90	15.08	15.56	14.72	13.78	12.46	12.46	90- 95	8.948	557.7	96,96
100	9.410	10.20	11.00	11.32	10.79	10.17	9.252	9.264	95-100	6.460	564.2	97.1,97.1
105	7.131	7.734	8.289	8.501	8.138	7.699	7.025	7.004	100-105	4.743	568.9	97.9,97.9
110	5.448	5.895	6.355	6.511	6.242	5.896	5.385	5.335	105-110	3.527	572.5	98.5,98.5
115	4.175	4.520	4.878	4.989	4.781	4.493	4.110	4.065	110-115	2.615	575.1	99,99
120	3.194	3.455	3.731	3.812	3.668	3.436	3.147	3.104	115-120	1.923	577.0	99.3,99.3
125	2.415	2.602	2.824	2.876	2.785	2.605	2.390	2.352	120-125	1.393	578.4	99.5,99.5
130	1.798	1.938	2.090	2.129	2.080	1.944	1.789	1.760	125-130	0.9847	579.4	99.7,99.7
135	1.310	1.405	1.515	1.540	1.521	1.420	1.314	1.294	130-135	0.6752	580.1	99.8,99.8
140	0.9335	0.9869	1.060	1.075	1.071	1.006	0.9417	0.9300	135-140	0.4452	580.5	99.9,99.9
145	0.6368	0.6499	0.7057	0.7136	0.7158	0.6836	0.6535	0.6525	140-145	0.2787	580.8	99.9,99.9
150	0.3145	0.3312	0.4379	0.4400	0.4425	0.4365	0.4378	0.4491	145-150	0.1593	581.0	100,100
155	0.1281	0.1047	0.2422	0.2475	0.2457	0.2531	0.2874	0.3059	150-155	0.0793	581.0	100,100
160	0.1635	0.1383	0.1214	0.1315	0.1165	0.1288	0.1903	0.2087	155-160	0.0411	581.1	100,100
165	0.1320	0.0795	0.0490	0.0711	0.0407	0.0582	0.1205	0.1365	160-165	0.0194	581.1	100,100
170	0.0646	0.0366	0.0229	0.0249	0.0210	0.0219	0.0536	0.0643	165-170	0.0071	581.1	100,100
175	0.0137	0.0136	0.0136	0.0137	0.0133	0.0136	0.0138	0.0136	170-175	0.0017	581.1	100,100
180	0.0005	0.0003	0.0003	0.0004	0.0005	0.0008	0.0006	0.0008	175-180	0.0002	581.1	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:0.0630A P:5.760W PF:0.7623 Freq:0Hz Lamp Flux:581.099x1 lm		
NAME: R20-7-850-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	55933	66783
80	37696	44680
75	33020	38596
70	31673	36301
65	31559	35211
60	31892	34600
55	32280	34302
50	32657	34273
45	33053	34441

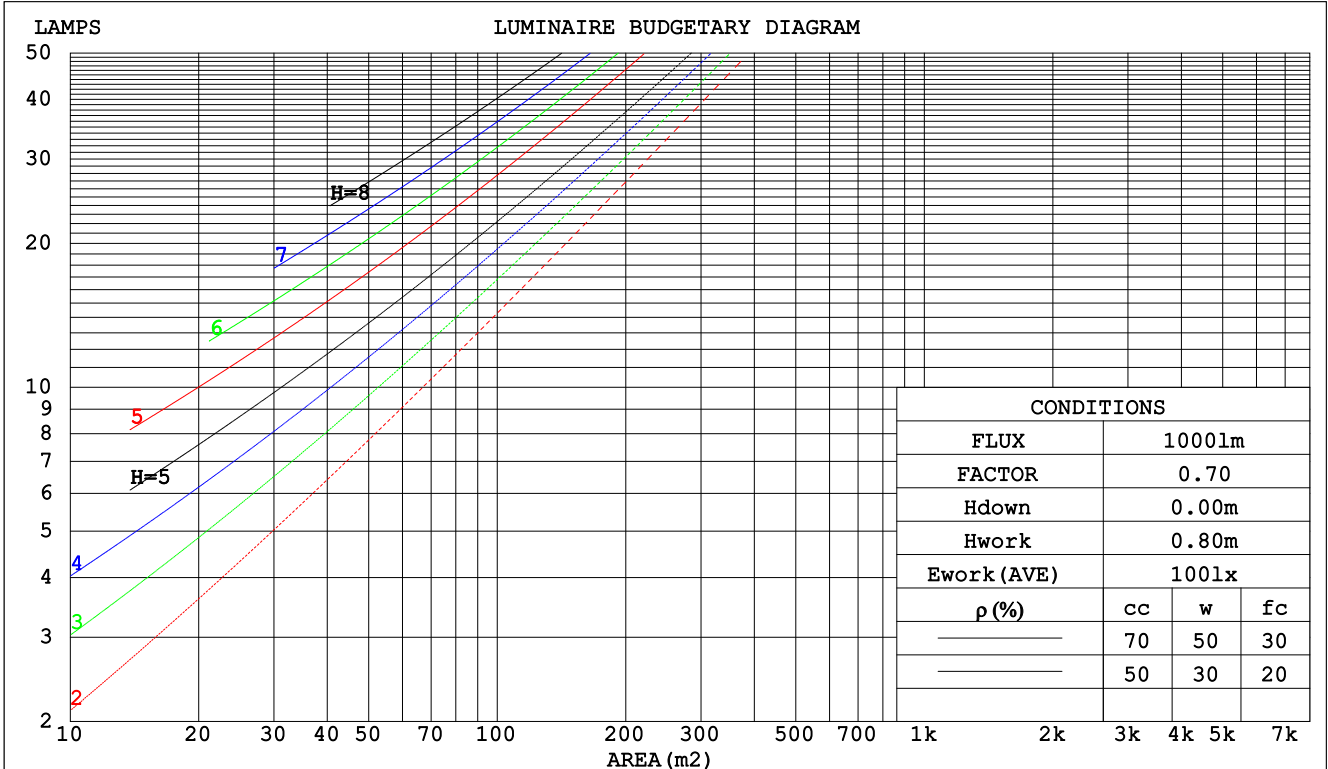
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 Humidity: 28.2%
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 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.9V I:0.0630A P:5.760W PF:0.7623 Freq:0Hz Lamp Flux:581.099x1 lm		
NAME: R20-7-850-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	1.00	.96	.91	.98	.93	.89	.92	.89	.85	.87	.84	.82	.83	.81	.78	.76
2.0	.87	.79	.73	.84	.78	.72	.80	.74	.69	.76	.71	.67	.72	.68	.65	.62
3.0	.76	.67	.60	.74	.66	.59	.70	.63	.58	.67	.61	.56	.63	.58	.54	.52
4.0	.67	.58	.51	.65	.57	.50	.62	.55	.49	.59	.53	.48	.56	.51	.46	.44
5.0	.60	.50	.44	.58	.50	.43	.56	.48	.42	.53	.46	.41	.51	.45	.40	.38
6.0	.54	.45	.38	.52	.44	.38	.50	.42	.37	.48	.41	.36	.46	.40	.35	.33
7.0	.49	.40	.33	.48	.39	.33	.46	.38	.32	.44	.37	.32	.42	.36	.31	.29
8.0	.44	.36	.30	.43	.35	.29	.42	.34	.29	.40	.33	.28	.38	.32	.28	.26
9.0	.41	.32	.27	.40	.32	.27	.38	.31	.26	.37	.30	.26	.35	.30	.25	.23
10.0	.38	.30	.24	.37	.29	.24	.35	.28	.24	.34	.28	.23	.33	.27	.23	.21



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:

WEC AND CCEC

Test:U:119.9V I:0.0630A P:5.760W PF:0.7623 Freq:0Hz Lamp Flux:581.099x1 lm		
NAME: R20-7-850-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.349	.199	.063	.340	.194	.062	.324	.186	.059	.308	.178	.057	.294	.171	.055	
2.0	.313	.172	.053	.305	.168	.052	.290	.161	.050	.277	.155	.049	.264	.149	.047	
3.0	.283	.151	.045	.276	.148	.045	.263	.143	.043	.251	.137	.042	.239	.133	.041	
4.0	.258	.134	.039	.252	.132	.039	.240	.127	.038	.229	.123	.037	.219	.119	.036	
5.0	.237	.121	.035	.231	.119	.035	.220	.115	.034	.210	.111	.033	.201	.107	.032	
6.0	.218	.109	.031	.213	.108	.031	.203	.104	.030	.194	.101	.030	.186	.098	.029	
7.0	.202	.100	.028	.197	.098	.028	.189	.095	.027	.181	.093	.027	.173	.090	.026	
8.0	.188	.092	.026	.184	.091	.026	.176	.088	.025	.169	.085	.025	.162	.083	.024	
9.0	.176	.085	.024	.172	.084	.024	.165	.082	.023	.158	.079	.023	.152	.077	.022	
10.0	.165	.079	.022	.161	.078	.022	.155	.076	.021	.149	.074	.021	.143	.072	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.158	.116	.180	.136	.100	.124	.094	.070	.071	.055	.041	.023	.018	.014	
4.0	.202	.145	.100	.174	.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	.022	.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	.073	.047	.062	.043	.028	.020	.014	.009	
8.0	.174	.114	.072	.150	.099	.063	.104	.069	.045	.060	.041	.027	.019	.013	.009	
9.0	.168	.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	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
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γ Range: 0 - 180DEG
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 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:28.2%
 Test Distance:1.191m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.9V I:0.0630A P:5.760W PF:0.7623 Freq:0Hz Lamp Flux:581.099x1 lm										
NAME: R20-7-850-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	24.5	26.0	24.8	26.3	26.6	24.8	26.3	25.1	26.6	26.9
3H	26.2	27.6	26.6	27.9	28.3	26.7	28.1	27.1	28.4	28.8
4H	27.0	28.3	27.4	28.7	29.1	27.6	28.9	28.0	29.3	29.7
6H	27.8	29.1	28.2	29.4	29.8	28.5	29.8	28.9	30.1	30.5
8H	28.2	29.4	28.7	29.8	30.2	29.0	30.2	29.4	30.6	31.0
12H	28.7	29.8	29.1	30.2	30.7	29.5	30.6	29.9	31.0	31.5
4H 2H	25.2	26.5	25.6	26.9	27.2	25.4	26.7	25.8	27.1	27.5
3H	27.1	28.3	27.6	28.7	29.1	27.5	28.7	28.0	29.1	29.5
4H	28.1	29.2	28.6	29.6	30.0	28.6	29.7	29.1	30.1	30.5
6H	29.1	30.0	29.6	30.5	31.0	29.7	30.6	30.2	31.1	31.6
8H	29.6	30.5	30.1	30.9	31.4	30.3	31.1	30.8	31.6	32.1
12H	30.1	30.9	30.6	31.4	32.0	30.9	31.7	31.4	32.2	32.7
8H 4H	28.5	29.4	29.0	29.9	30.4	29.0	29.9	29.5	30.3	30.8
6H	29.8	30.5	30.3	31.0	31.6	30.3	31.1	30.8	31.6	32.1
8H	30.4	31.1	31.0	31.6	32.2	31.0	31.7	31.6	32.2	32.8
12H	31.2	31.7	31.7	32.3	32.9	31.9	32.4	32.4	33.0	33.6
12H 4H	28.6	29.4	29.1	29.9	30.5	29.0	29.8	29.5	30.3	30.9
6H	29.9	30.6	30.5	31.1	31.7	30.4	31.1	31.0	31.6	32.2
8H	30.7	31.3	31.3	31.8	32.4	31.3	31.8	31.8	32.4	33.0
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					+ 0.2 / - 0.3				

CIE Pub.117, 581.1 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.9)

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:0.0630A P:5.760W PF:0.7623 Freq:0Hz Lamp Flux:581.099x1 lm		
NAME: R20-7-850-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

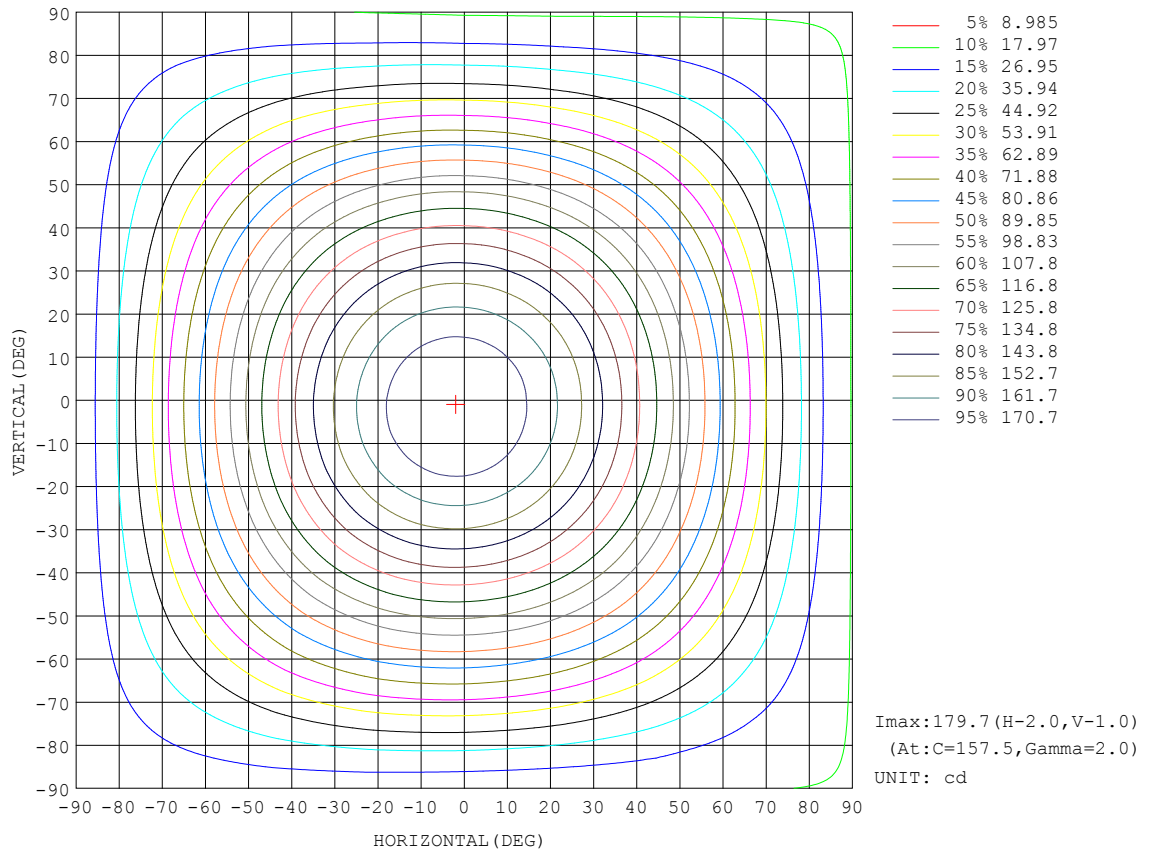
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	35	53	42	35	52	41	35	28
0.80	64	52	44	63	51	44	61	50	43	36
1.00	72	60	52	70	59	52	68	60	51	43
1.25	79	67	60	77	66	59	74	65	58	50
1.50	84	73	65	82	72	65	78	70	63	55
2.00	91	81	74	88	80	73	84	77	71	62
2.50	95	86	79	92	84	78	88	81	76	66
3.00	98	90	84	96	88	83	91	85	80	70
4.00	103	96	90	100	94	89	95	90	85	75
5.00	105	99	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:0.0630A P:5.760W PF:0.7623 Freq:0Hz Lamp Flux:581.099x1 lm		
NAME: R20-7-850-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

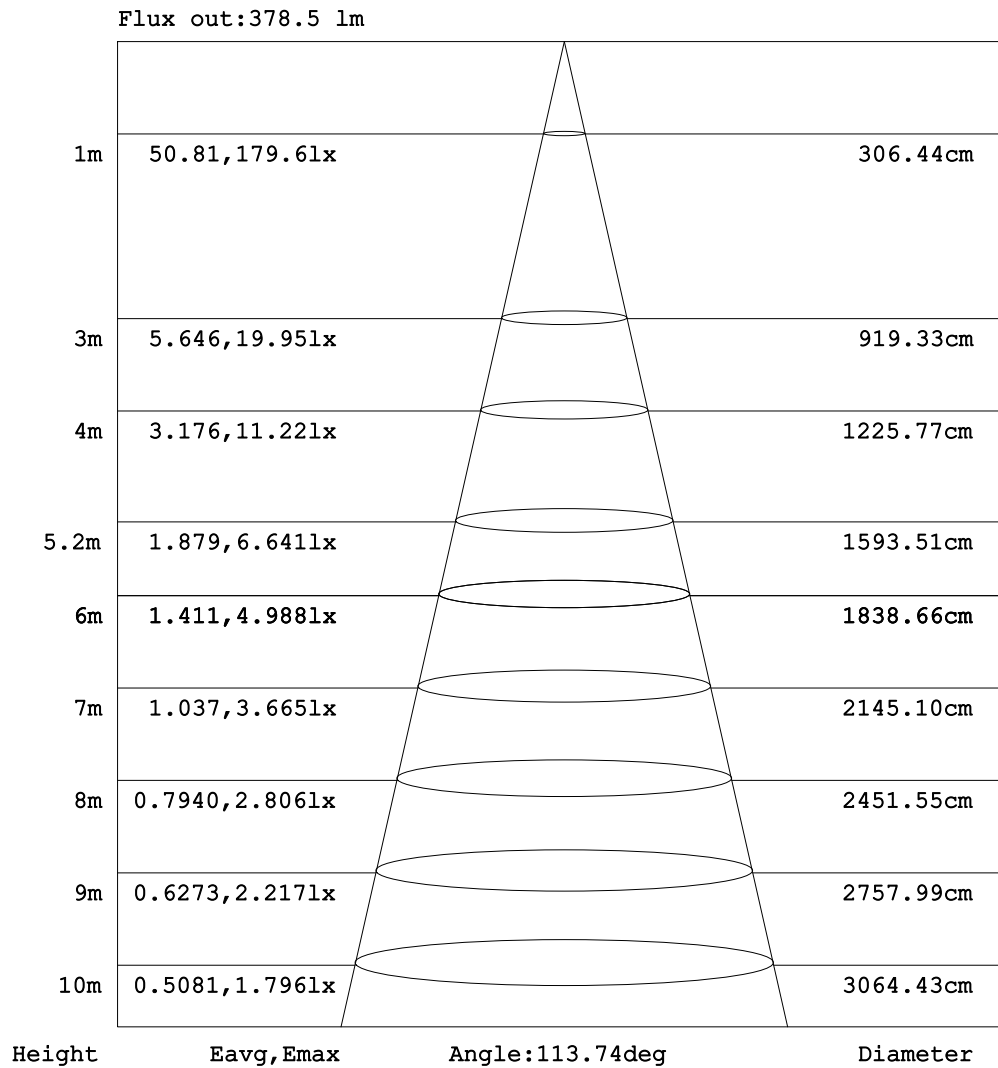


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LXJ
 Test Date:2019-11-07

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:0.0630A P:5.760W PF:0.7623 Freq:0Hz Lamp Flux:581.099x1 lm		
NAME: R20-7-850-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



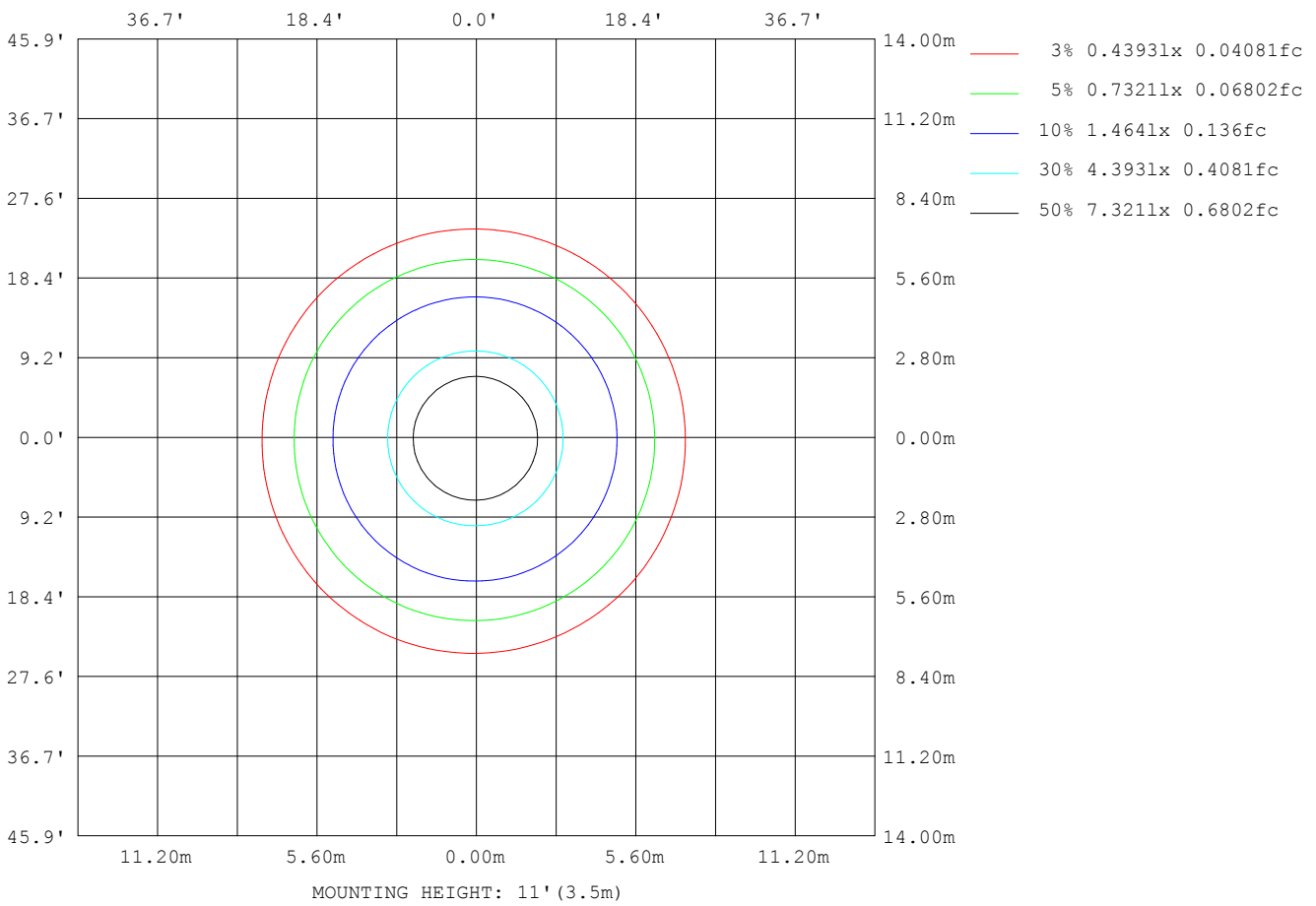
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0630A P:5.760W PF:0.7623 Freq:0Hz Lamp Flux:581.099x1 lm		
NAME: R20-7-850-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:0.0630A P:5.760W PF:0.7623 Freq:0Hz Lamp Flux:581.099x1 lm		
NAME: R20-7-850-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

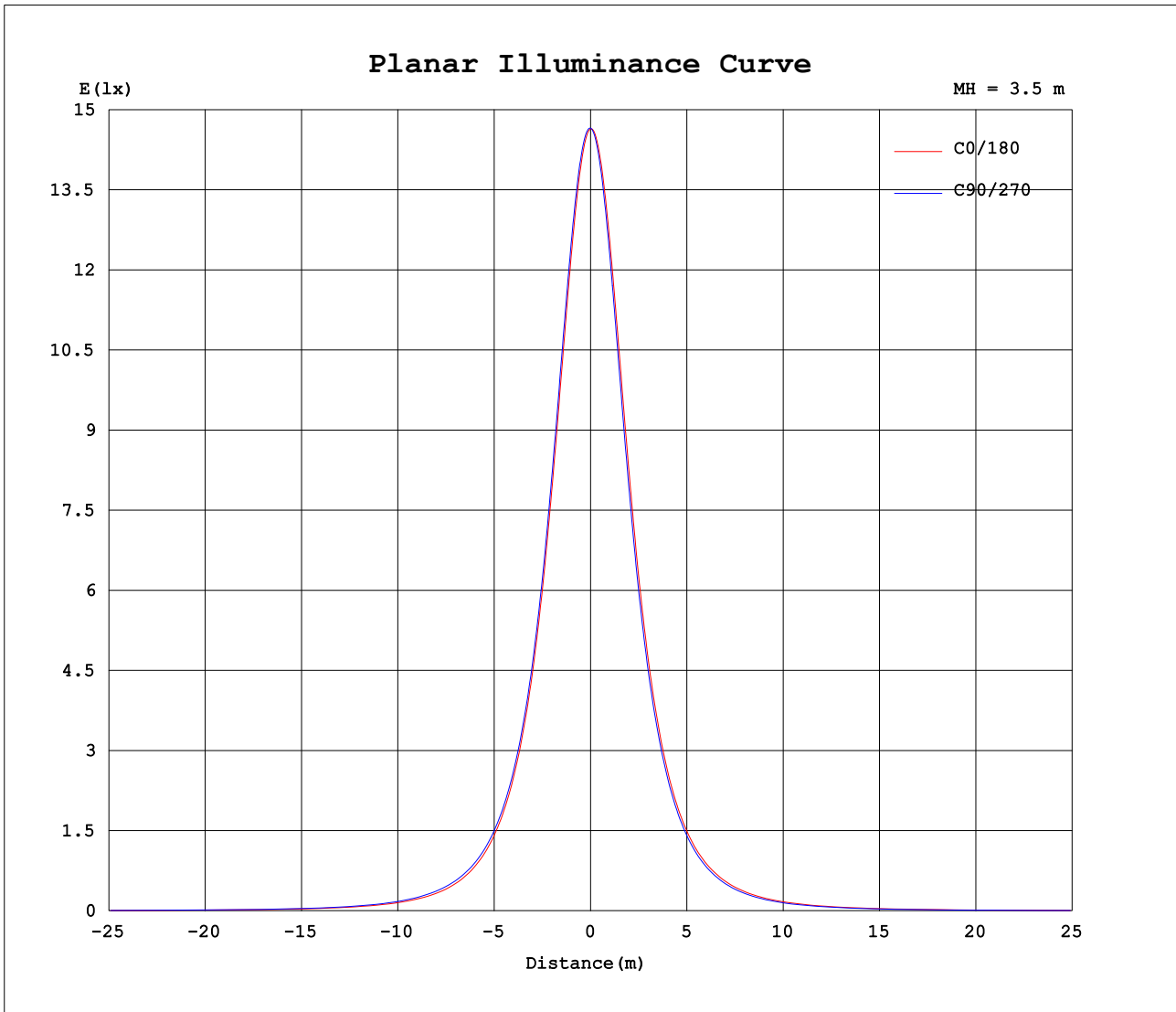
AvgL	cd/m2
L_0~180 (65) av	32936
L_0~180 (75) av	35083
L_0~180 (85) av	60213
L_90~270 (65) av	33244
L_90~270 (75) av	35446
L_90~270 (85) av	60552
L_45 (65) av	33338
L_45 (75) av	35639
L_45 (85) av	61312

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:0.0630A P:5.760W PF:0.7623 Freq:0Hz Lamp Flux:581.099x1 lm		
NAME: R20-7-850-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	179	179	179	179	180	179	180	180	179	179	179	179	180	179	180	180			
5	178	178	179	179	179	179	179	179	179	179	179	178	178	178	178	178			
10	175	175	176	177	177	177	178	178	177	177	176	176	175	175	175	175			
15	170	171	172	172	173	174	174	174	174	173	172	171	170	170	170	170			
20	164	165	166	167	168	169	169	169	168	167	166	165	164	163	163	164			
25	156	157	158	160	161	162	162	162	162	160	159	157	156	156	155	156			
30	148	149	150	151	152	154	154	154	153	152	150	149	147	147	147	147			
35	138	139	140	141	143	144	145	145	144	142	140	139	137	137	137	137			
40	127	128	129	131	132	133	134	134	133	131	130	128	127	126	126	127			
45	116	117	118	120	121	122	123	122	121	120	119	117	116	115	115	115			
50	104	105	107	108	109	111	111	110	109	108	107	105	104	103	103	104			
55	91.8	93.2	95.0	96.4	97.6	98.8	99.0	98.2	97.0	96.0	94.6	92.9	91.5	90.9	91.0	91.2			
60	79.1	80.7	82.8	84.5	85.8	86.9	86.9	85.8	84.5	83.4	82.0	80.1	78.7	78.0	78.1	78.4			
65	66.2	67.9	70.5	72.3	73.8	74.9	74.8	73.4	71.9	70.8	69.2	67.1	65.6	65.0	65.1	65.4			
70	53.7	55.5	58.1	60.1	61.6	62.6	62.5	61.0	59.4	58.3	56.6	54.3	52.9	52.3	52.5	52.9			
75	42.4	44.0	46.3	48.1	49.5	50.5	50.4	49.1	47.7	46.6	45.0	42.8	41.5	41.0	41.3	41.7			
80	32.5	33.8	35.7	37.2	38.5	39.3	39.2	38.2	37.1	36.2	34.6	32.7	31.6	31.3	31.6	31.9			
85	24.2	25.1	27.0	27.9	28.9	29.6	29.6	28.8	27.9	27.2	26.0	24.4	23.5	23.3	23.5	23.7			
90	17.5	18.3	19.3	20.3	21.0	21.6	21.7	21.1	20.4	19.9	19.0	17.8	17.1	16.9	17.1	17.2			
95	12.7	13.2	13.9	14.6	15.1	15.5	15.6	15.2	14.7	14.4	13.8	12.9	12.5	12.3	12.5	12.6			
100	9.41	9.74	10.2	10.6	11.0	11.3	11.3	11.1	10.8	10.6	10.2	9.59	9.25	9.18	9.26	9.32			
105	7.13	7.35	7.73	8.04	8.29	8.48	8.50	8.33	8.14	8.00	7.70	7.29	7.03	6.96	7.00	7.05			
110	5.45	5.63	5.89	6.16	6.36	6.50	6.51	6.39	6.24	6.12	5.90	5.59	5.38	5.31	5.34	5.37			
115	4.18	4.31	4.52	4.73	4.88	4.98	4.99	4.90	4.78	4.68	4.49	4.27	4.11	4.05	4.06	4.10			
120	3.19	3.30	3.46	3.62	3.73	3.80	3.81	3.76	3.67	3.58	3.44	3.27	3.15	3.10	3.10	3.13			
125	2.41	2.49	2.60	2.73	2.82	2.87	2.88	2.85	2.78	2.72	2.61	2.48	2.39	2.35	2.35	2.37			
130	1.80	1.85	1.94	2.02	2.09	2.13	2.13	2.11	2.08	2.03	1.94	1.85	1.79	1.76	1.76	1.77			
135	1.31	1.34	1.41	1.47	1.52	1.54	1.54	1.53	1.52	1.48	1.42	1.35	1.31	1.30	1.29	1.30			
140	0.93	0.95	0.99	1.03	1.06	1.07	1.08	1.08	1.07	1.05	1.01	0.97	0.94	0.93	0.93	0.93			
145	0.64	0.63	0.65	0.69	0.71	0.71	0.71	0.72	0.72	0.71	0.68	0.66	0.65	0.65	0.65	0.65			
150	0.31	0.06	0.33	0.41	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.43	0.44	0.45	0.45	0.44			
155	0.13	0.26	0.10	0.22	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.27	0.29	0.30	0.31	0.28			
160	0.16	0.17	0.14	0.11	0.12	0.13	0.13	0.12	0.12	0.12	0.13	0.16	0.19	0.21	0.21	0.18			
165	0.13	0.10	0.08	0.06	0.05	0.07	0.07	0.06	0.04	0.04	0.06	0.09	0.12	0.14	0.14	0.11			
170	0.06	0.05	0.04	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.05	0.06	0.06	0.07			
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
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