

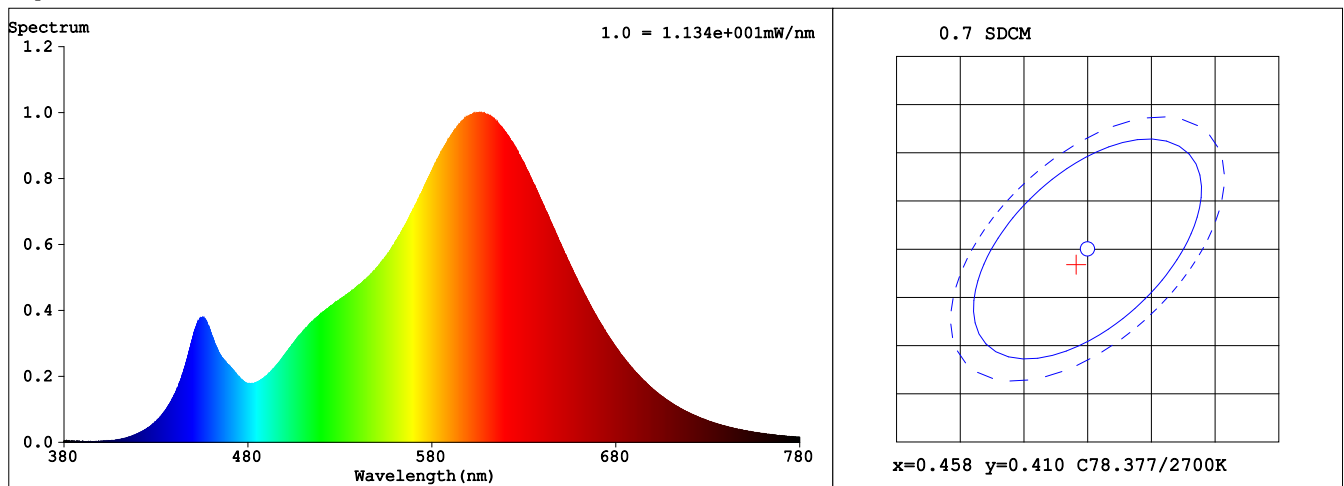
Spectrum Test Report

Sample	:	Date	: 2019-11-08 02:48:14
Specification	:	Sam. Status	:
Sample No.	: R20-7-827-DIM	Standard	:
Manufacturer	: RAB Lighting Inc	Instrument	: HaasSuite(EVERFINE)
Remark	:	Test by	: yang yi (2.0)

Test Condition

Temperature	: 25.4Deg	RH	: 30.1%
WL Range	: 380nm-780nm	IP	: 52711 (80%)
Test Mode	: Fast Test	T	: 343 ms
Sensitivity	: High		

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4568$ $y = 0.4082$ / $u' = 0.2616$ $v' = 0.5260$ ($duv = -6.23e-04$)

CCT= 2725K Prpc WL: Ld=584.3nm Purity=59.6%

Peak WL: Lp=607nm FWHM: =113.2nm Ratio:R=24.9% G=72.7% B=2.4%

Render Index: Ra = 82.1 TM30:Rf=82 Rg=95

R1 =81 R2 =93 R3 =94 R4 =79 R5 =81 R6 =92 R7 =80

R8 =56 R9 =6 R10=83 R11=79 R12=77 R13=84 R14=98 R15=73

LEVEL:OUT WHITE:ANSI_2700K

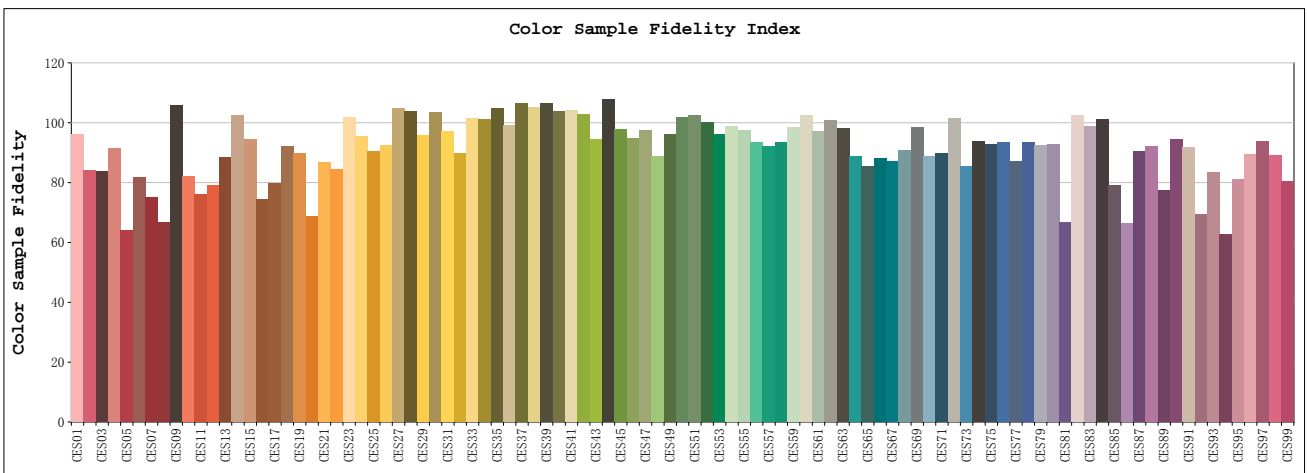
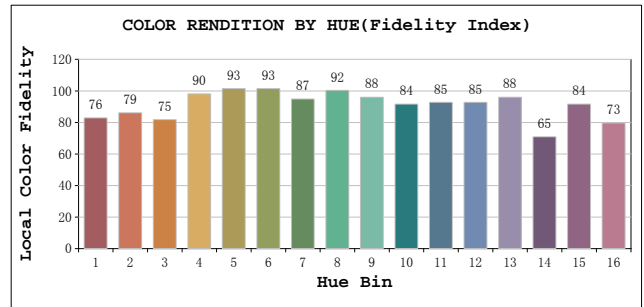
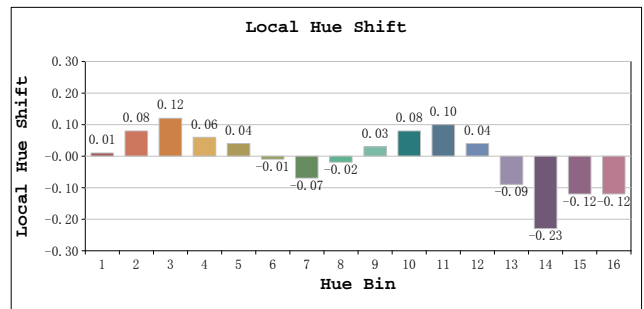
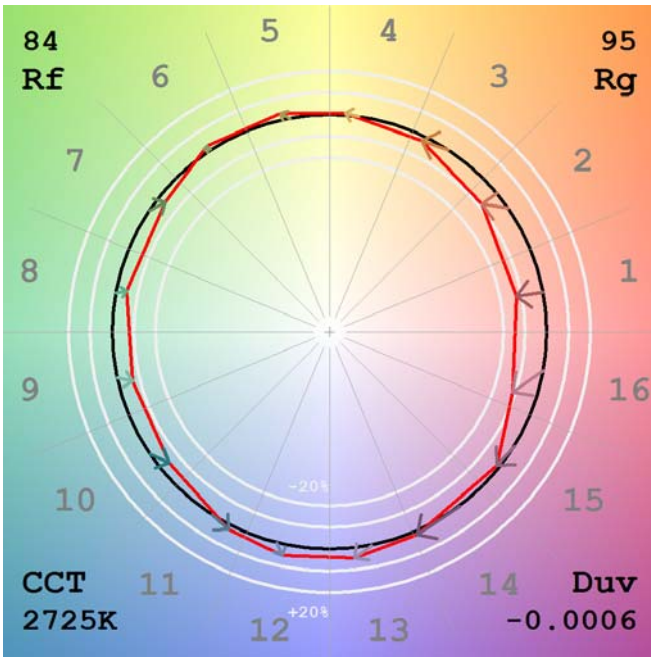
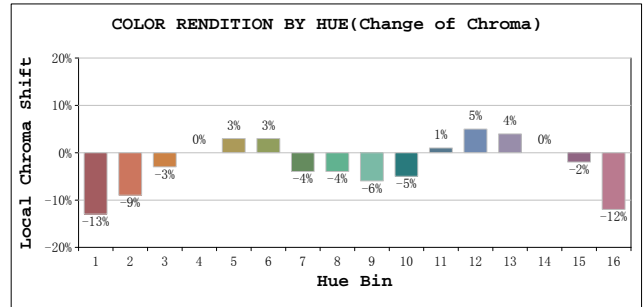
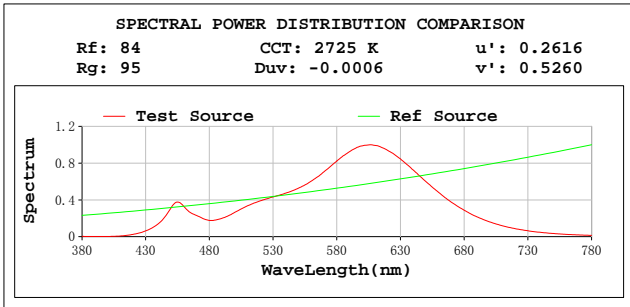
Photometric & Radiometric Parameters

Flux = 514.30 lm Eff. : 92.83 lm/W Fe = 1.5886 W

Electrical parameters

V = 120.06 V I = 0.05870 A P = 5.540 W PF = 0.7861

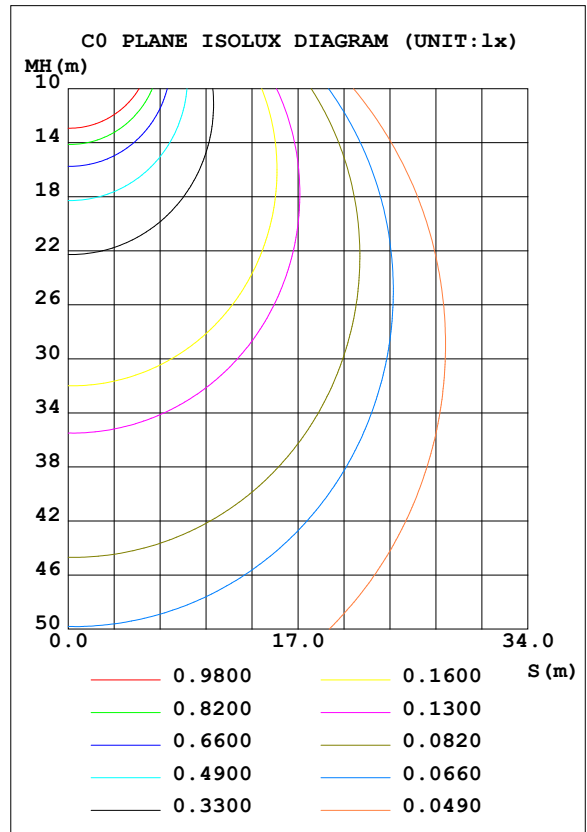
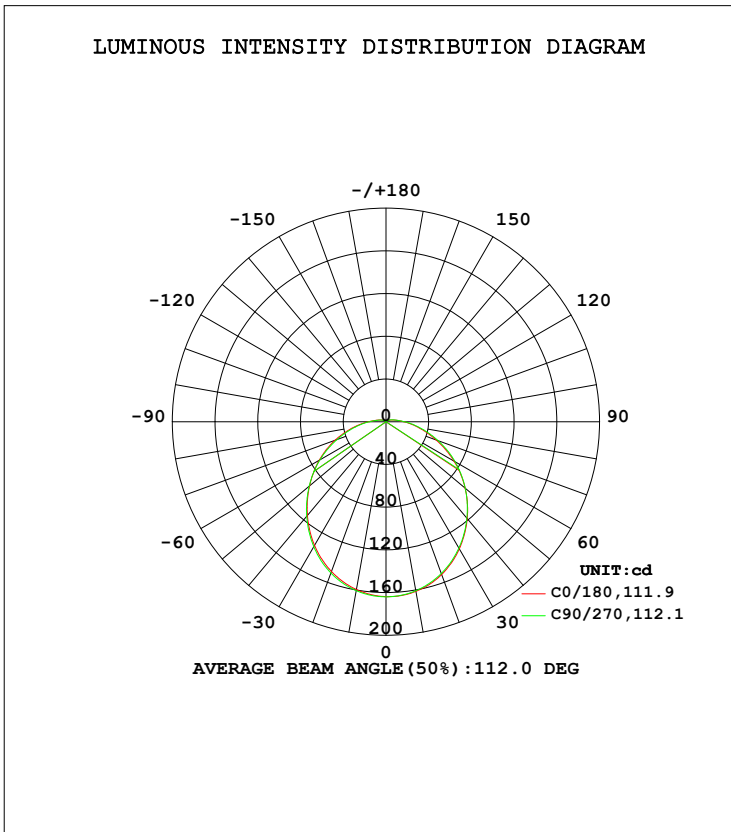
TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.9V I:0.0604A P:5.510W PF:0.7606 Freq:0Hz Lamp Flux:518.973x1 lm		
NAME: R20-7-827-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.19 lm/W			
MODEL	/	I _{max} (cd)	164.0	S/MH (C0/180)	1.22
NOMINAL POWER (W)	/	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	518.97	η UP, DN (C0-180)	2.8, 47.9
NOMINAL FLUX (lm)	518.973	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.6, 46.7
LAMPS INSIDE	1	η up (%)	5.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	94.6	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:

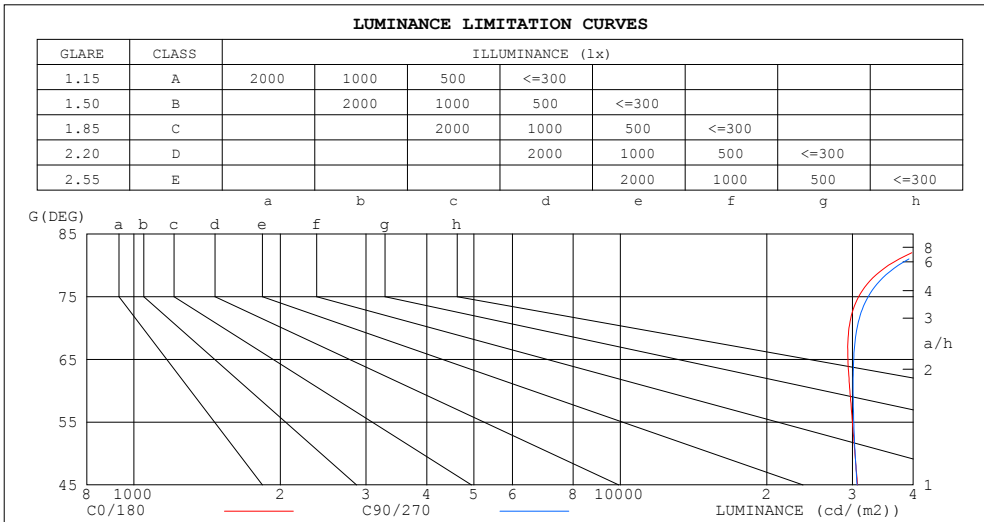
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	163.4	163.3	163.1	162.8	162.5	162.6	163.1	163.5	0- 5	3.908	3.908	0.75,0.75
10	161.3	161.1	160.7	160.1	159.6	159.7	160.6	161.3	5- 10	11.58	15.48	2.98,2.98
15	157.6	157.3	156.7	155.9	155.1	155.3	156.5	157.4	10- 15	18.81	34.29	6.61,6.61
20	152.3	152.0	151.2	150.3	149.3	149.4	150.8	152.0	15- 20	25.34	59.63	11.5,11.5
25	145.5	145.3	144.5	143.4	142.1	142.1	143.7	144.9	20- 25	30.93	90.55	17.4,17.4
30	137.4	137.4	136.5	135.4	133.8	133.7	135.2	136.5	25- 30	35.39	125.9	24.3,24.3
35	128.2	128.3	127.6	126.4	124.5	124.1	125.7	127.1	30- 35	38.61	164.6	31.7,31.7
40	118.4	118.7	117.9	116.6	114.5	114.0	115.5	116.9	35- 40	40.54	205.1	39.5,39.5
45	107.8	108.4	107.6	106.1	104.1	103.5	104.9	106.1	40- 45	41.20	246.3	47.5,47.5
50	96.78	97.60	96.87	95.42	93.47	92.77	93.90	94.80	45- 50	40.65	287.0	55.3,55.3
55	85.35	86.49	85.90	84.46	82.82	82.09	82.81	83.24	50- 55	38.98	325.9	62.8,62.8
60	73.52	74.93	74.66	73.46	72.16	71.35	71.45	71.32	55- 60	36.28	362.2	69.8,69.8
65	61.55	63.10	63.26	62.35	61.52	60.46	59.97	59.30	60- 65	32.64	394.9	76.1,76.1
70	50.06	51.52	52.02	51.45	50.74	49.56	48.74	48.00	65- 70	28.25	423.1	81.5,81.5
75	39.67	40.97	41.51	41.08	40.40	39.21	38.48	37.84	70- 75	23.52	446.6	86.1,86.1
80	30.66	31.72	32.11	31.75	31.09	29.98	29.46	29.06	75- 80	18.84	465.5	89.7,89.7
85	23.09	23.89	24.17	23.77	23.14	22.19	21.91	21.72	80- 85	14.53	480.0	92.5,92.5
90	16.95	17.53	17.66	17.29	16.75	16.00	15.89	15.88	85- 90	10.81	490.8	94.6,94.6
95	12.32	12.71	12.74	12.42	12.03	11.49	11.48	11.54	90- 95	7.827	498.6	96.1,96.1
100	9.065	9.356	9.346	9.089	8.816	8.447	8.448	8.502	95-100	5.645	504.3	97.2,97.2
105	6.805	7.037	7.052	6.860	6.684	6.410	6.382	6.413	100-105	4.140	508.4	98.98
110	5.162	5.356	5.387	5.277	5.125	4.891	4.834	4.858	105-110	3.074	511.5	98.6,98.6
115	3.932	4.098	4.151	4.071	3.930	3.739	3.673	3.699	110-115	2.273	513.8	99.99
120	2.992	3.144	3.204	3.138	3.006	2.836	2.771	2.805	115-120	1.670	515.4	99.3,99.3
125	2.256	2.396	2.454	2.392	2.272	2.124	2.058	2.106	120-125	1.208	516.6	99.5,99.5
130	1.684	1.814	1.865	1.805	1.687	1.552	1.491	1.553	125-130	0.8534	517.5	99.7,99.7
135	1.237	1.355	1.397	1.336	1.220	1.092	1.034	1.115	130-135	0.5847	518.1	99.8,99.8
140	0.8915	0.9997	1.033	0.9678	0.8482	0.7293	0.6756	0.7686	135-140	0.3852	518.5	99.9,99.9
145	0.5987	0.7248	0.7521	0.6827	0.5611	0.4514	0.4000	0.4988	140-145	0.2410	518.7	99.9,99.9
150	0.2989	0.4416	0.5381	0.4694	0.3492	0.2476	0.1973	0.2939	145-150	0.1381	518.8	100,100
155	0.2026	0.1044	0.3704	0.3165	0.2055	0.1136	0.0707	0.1356	150-155	0.0664	518.9	100,100
160	0.2036	0.2402	0.2523	0.2148	0.1196	0.0579	0.0251	0.0475	155-160	0.0364	518.9	100,100
165	0.1500	0.1994	0.1635	0.1259	0.0723	0.0338	0.0248	0.0402	160-165	0.0203	519.0	100,100
170	0.0895	0.1290	0.0900	0.0751	0.0230	0.0207	0.0204	0.0202	165-170	0.0088	519.0	100,100
175	0.0127	0.0125	0.0148	0.0124	0.0122	0.0121	0.0123	0.0123	170-175	0.0027	519.0	100,100
180	0.0005	0	0	0	0.0004	0.0007	0.0007	0.0006	175-180	0.0002	519.0	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:0.0604A P:5.510W PF:0.7606 Freq:0Hz Lamp Flux:518.973x1 lm		
NAME: R20-7-827-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	53422	55903
80	35593	37279
75	30902	32338
70	29511	30665
65	29365	30180
60	29644	30104
55	30001	30193
50	30355	30385
45	30730	30673

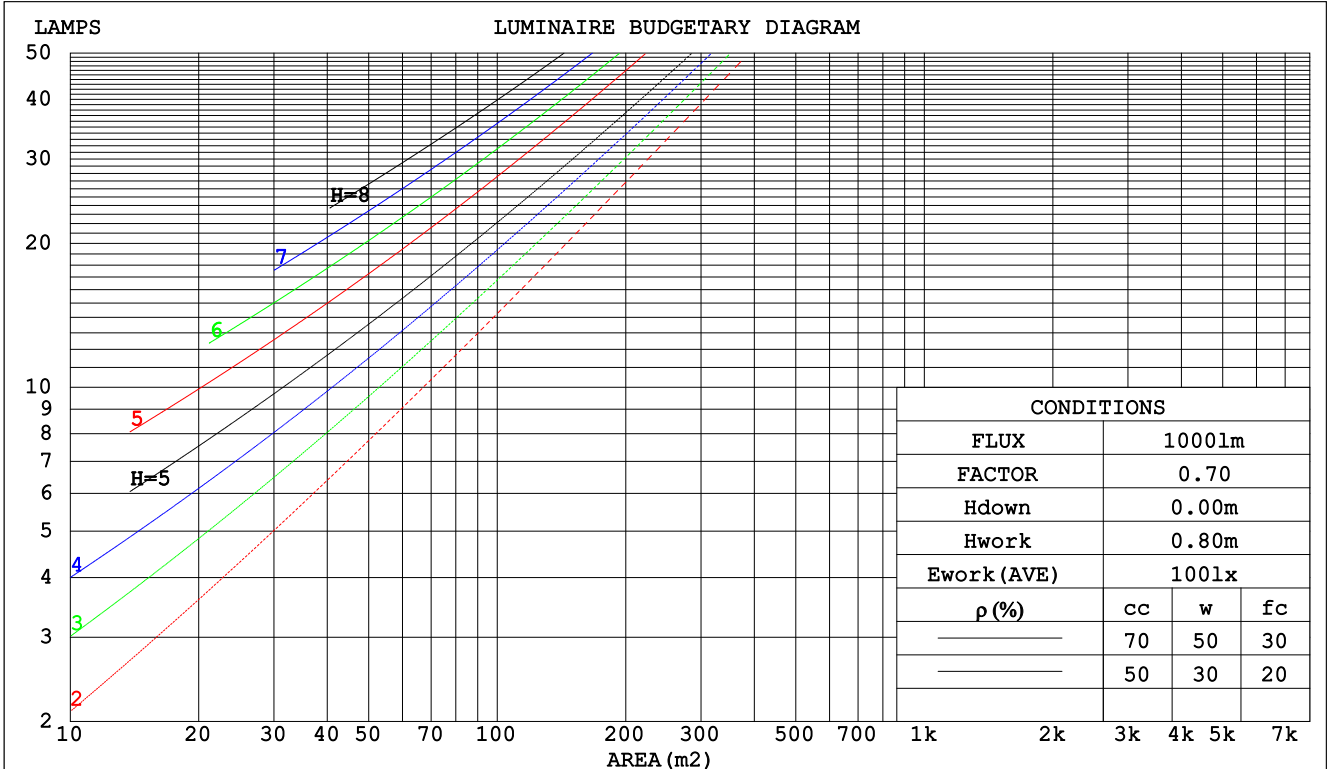
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.9V I:0.0604A P:5.510W PF:0.7606 Freq:0Hz Lamp Flux:518.973x1 lm		
NAME: R20-7-827-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	.95
1.0	1.01	.96	.91	.98	.93	.89	.93	.89	.86	.88	.85	.82	.83	.81	.79	.76
2.0	.87	.80	.74	.85	.78	.72	.80	.75	.70	.76	.71	.67	.72	.68	.65	.62
3.0	.76	.68	.61	.74	.66	.60	.70	.64	.58	.67	.61	.56	.64	.59	.55	.52
4.0	.67	.58	.51	.66	.57	.51	.62	.55	.49	.59	.53	.48	.57	.51	.47	.44
5.0	.60	.51	.44	.59	.50	.43	.56	.48	.42	.53	.47	.42	.51	.45	.41	.38
6.0	.54	.45	.38	.53	.44	.38	.50	.43	.37	.48	.41	.36	.46	.40	.36	.33
7.0	.49	.40	.34	.48	.39	.33	.46	.38	.33	.44	.37	.32	.42	.36	.32	.29
8.0	.45	.36	.30	.44	.35	.30	.42	.35	.29	.40	.34	.29	.39	.33	.28	.26
9.0	.41	.33	.27	.40	.32	.27	.39	.31	.26	.37	.31	.26	.36	.30	.26	.24
10.0	.38	.30	.24	.37	.29	.24	.36	.29	.24	.34	.28	.24	.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:0.0604A P:5.510W PF:0.7606 Freq:0Hz Lamp Flux:518.973x1 lm		
NAME: R20-7-827-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	.347	.197	.062	.338	.193	.061	.321	.184	.059	.306	.177	.057	.292	.169	.055	
2.0	.311	.171	.052	.303	.167	.051	.289	.161	.050	.275	.154	.048	.263	.149	.047	
3.0	.282	.150	.045	.275	.147	.044	.262	.142	.043	.250	.137	.042	.238	.132	.041	
4.0	.257	.134	.039	.251	.131	.039	.239	.127	.038	.228	.122	.037	.218	.118	.036	
5.0	.236	.120	.035	.230	.118	.034	.219	.114	.034	.210	.111	.033	.200	.107	.032	
6.0	.217	.109	.031	.212	.107	.031	.203	.104	.030	.194	.101	.030	.186	.098	.029	
7.0	.201	.100	.028	.197	.098	.028	.188	.095	.027	.180	.092	.027	.173	.090	.026	
8.0	.187	.092	.026	.183	.090	.026	.176	.088	.025	.168	.085	.025	.161	.083	.024	
9.0	.175	.085	.024	.172	.084	.023	.165	.081	.023	.158	.079	.023	.152	.077	.022	
10.0	.164	.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	.232	.232	.232	.198	.198	.198	.135	.135	.135	.078	.078	.078	.025	.025	.025	
1.0	.225	.198	.173	.192	.170	.149	.131	.117	.103	.076	.067	.060	.024	.022	.019	
2.0	.217	.174	.138	.186	.150	.119	.127	.104	.083	.073	.060	.049	.024	.019	.016	
3.0	.209	.157	.115	.179	.135	.100	.123	.094	.070	.071	.055	.041	.023	.018	.013	
4.0	.201	.144	.100	.173	.124	.086	.119	.086	.061	.069	.051	.036	.022	.016	.012	
5.0	.194	.133	.089	.166	.115	.077	.114	.081	.055	.066	.047	.032	.021	.015	.011	
6.0	.186	.125	.081	.160	.108	.071	.110	.076	.050	.064	.045	.030	.021	.015	.010	
7.0	.179	.118	.076	.154	.103	.066	.106	.072	.047	.062	.042	.028	.020	.014	.009	
8.0	.173	.113	.071	.149	.098	.062	.103	.069	.044	.060	.040	.026	.019	.013	.009	
9.0	.166	.108	.068	.143	.093	.059	.099	.066	.042	.058	.039	.025	.019	.013	.008	
10.0	.161	.103	.065	.138	.090	.057	.096	.063	.040	.056	.037	.024	.018	.012	.008	

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

UGR(Unified Glare Rating) Table

Test:U:119.9V I:0.0604A P:5.510W PF:0.7606 Freq:0Hz Lamp Flux:518.973x1 lm										
NAME: R20-7-827-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	25.8	24.7	26.1	26.4	24.4	25.9	24.7	26.2	26.5
3H	26.1	27.4	26.5	27.8	28.1	26.2	27.5	26.5	27.9	28.2
4H	26.9	28.2	27.3	28.6	28.9	27.0	28.3	27.4	28.7	29.1
6H	27.7	29.0	28.1	29.3	29.7	27.9	29.1	28.3	29.5	29.9
8H	28.1	29.3	28.6	29.7	30.1	28.3	29.5	28.7	29.9	30.3
12H	28.6	29.8	29.0	30.2	30.6	28.8	29.9	29.2	30.3	30.8
4H 2H	25.0	26.3	25.4	26.7	27.0	25.0	26.3	25.4	26.7	27.1
3H	26.9	28.1	27.4	28.5	28.9	27.0	28.2	27.5	28.6	29.0
4H	27.9	29.0	28.4	29.4	29.9	28.0	29.1	28.5	29.5	30.0
6H	28.9	29.9	29.4	30.3	30.8	29.1	30.0	29.6	30.5	31.0
8H	29.5	30.3	30.0	30.8	31.3	29.6	30.5	30.1	31.0	31.5
12H	30.0	30.8	30.5	31.3	31.9	30.2	31.0	30.7	31.5	32.0
8H 4H	28.3	29.2	28.8	29.7	30.2	28.4	29.3	28.9	29.8	30.3
6H	29.6	30.3	30.1	30.8	31.4	29.7	30.4	30.2	30.9	31.5
8H	30.3	30.9	30.8	31.5	32.0	30.4	31.1	31.0	31.6	32.2
12H	31.1	31.6	31.6	32.2	32.8	31.2	31.8	31.8	32.3	32.9
12H 4H	28.4	29.2	28.9	29.7	30.2	28.5	29.3	29.0	29.8	30.3
6H	29.7	30.4	30.3	30.9	31.5	29.9	30.5	30.4	31.0	31.6
8H	30.5	31.1	31.1	31.6	32.2	30.7	31.2	31.2	31.8	32.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 519.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.3)

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:0.0604A P:5.510W PF:0.7606 Freq:0Hz Lamp Flux:518.973x1 lm		
NAME: R20-7-827-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

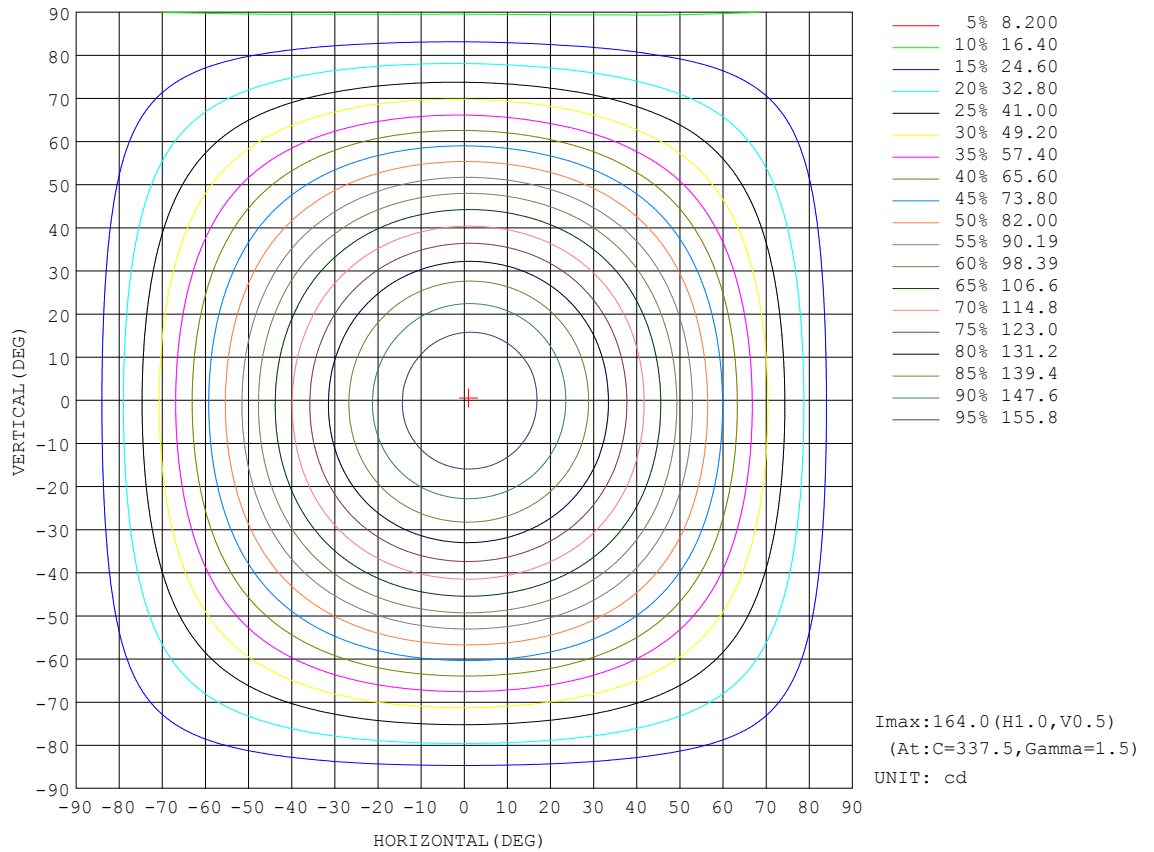
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	43	35	54	42	35	52	42	35	29
0.80	64	52	44	63	51	44	61	50	44	36
1.00	72	60	53	71	60	52	68	61	52	44
1.25	79	68	60	77	67	59	74	65	59	51
1.50	84	73	66	82	72	65	79	70	64	55
2.00	91	81	74	89	80	73	85	77	71	62
2.50	95	86	79	93	85	78	88	81	76	66
3.00	98	91	84	96	89	83	91	85	80	70
4.00	103	96	91	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:0.0604A P:5.510W PF:0.7606 Freq:0Hz Lamp Flux:518.973x1 lm		
NAME: R20-7-827-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

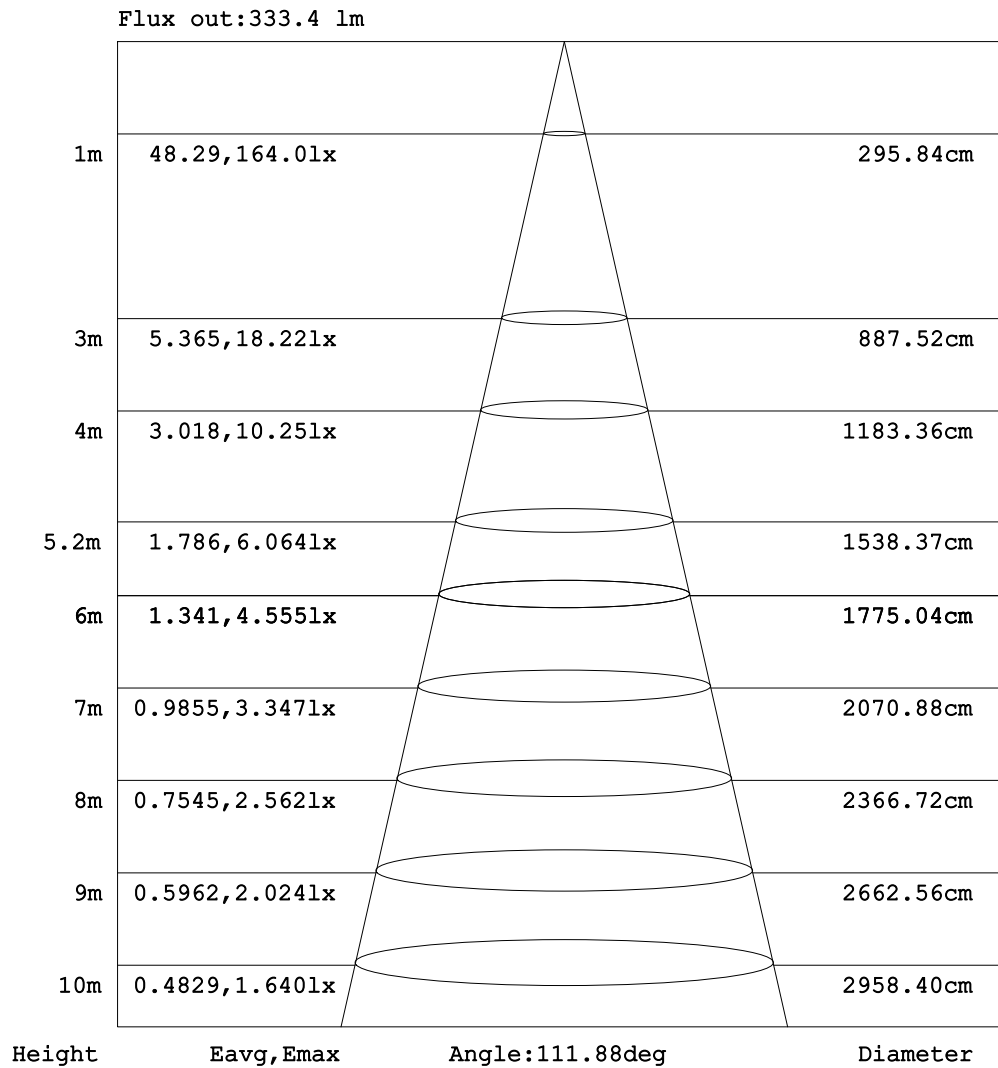


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LXJ
 Test Date:2019-11-07

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:0.0604A P:5.510W PF:0.7606 Freq:0Hz Lamp Flux:518.973x1 lm		
NAME: R20-7-827-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



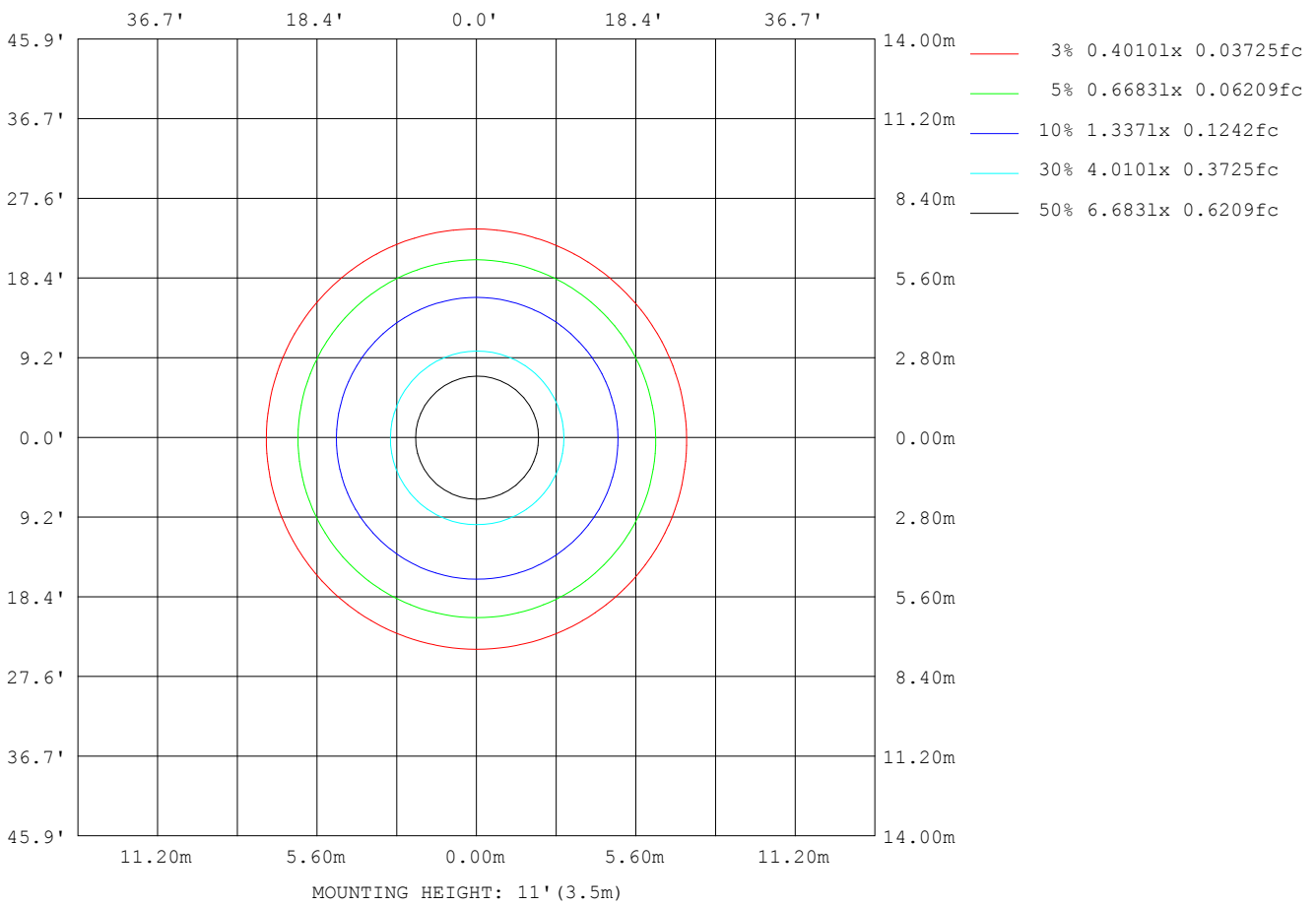
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0604A P:5.510W PF:0.7606 Freq:0Hz Lamp Flux:518.973x1 lm		
NAME: R20-7-827-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:0.0604A P:5.510W PF:0.7606 Freq:0Hz Lamp Flux:518.973x1 lm		
NAME: R20-7-827-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

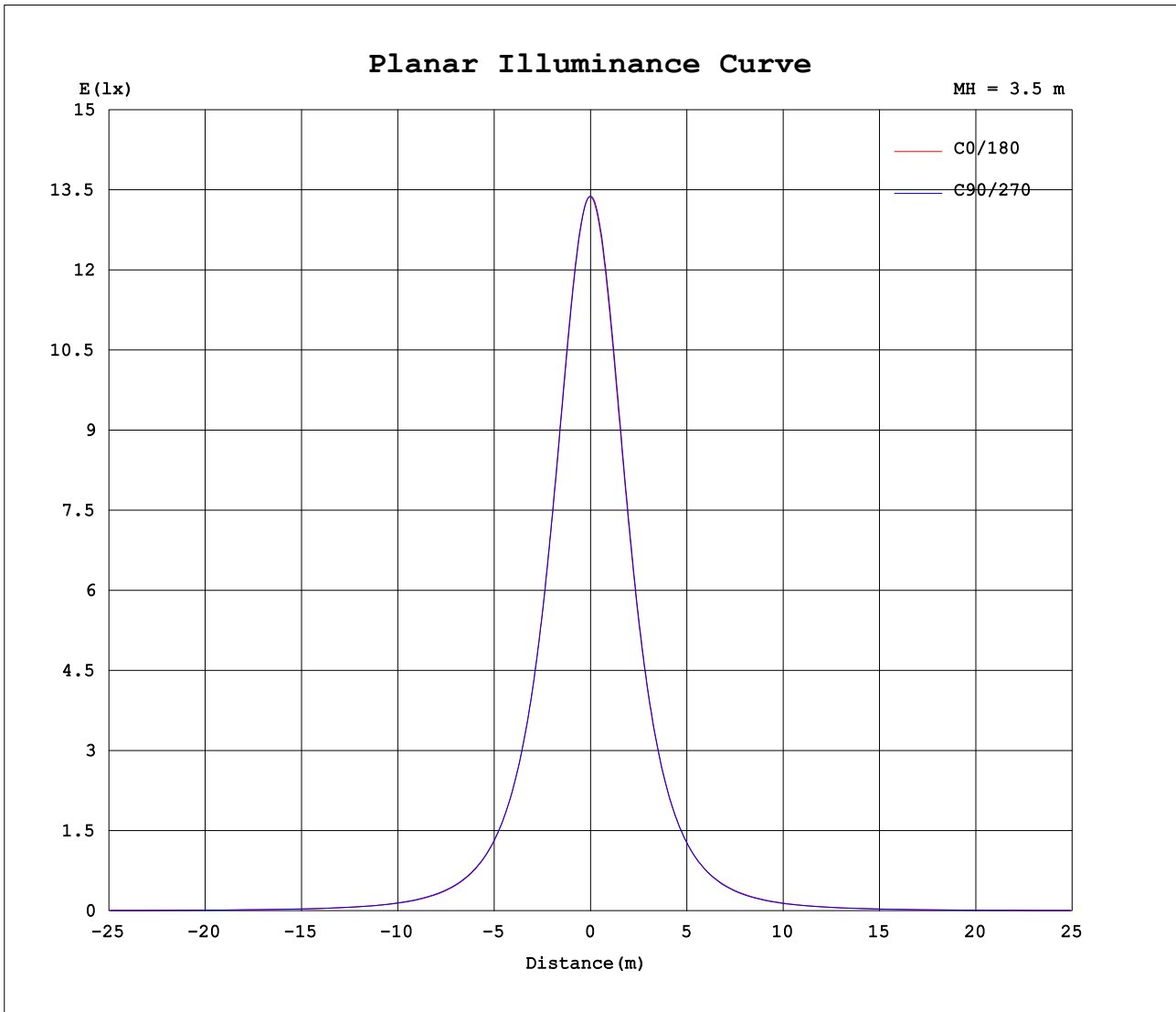
AvgL	cd/m2
L_0~180 (65) av	29356
L_0~180 (75) av	31187
L_0~180 (85) av	53478
L_90~270 (65) av	29395
L_90~270 (75) av	31157
L_90~270 (85) av	53291
L_45 (65) av	29245
L_45 (75) av	30984
L_45 (85) av	52952

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:0.0604A P:5.510W PF:0.7606 Freq:0Hz Lamp Flux:518.973x1 lm		
NAME: R20-7-827-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	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164			
5	163	163	163	163	163	163	163	163	162	163	163	163	163	163	163	164			
10	161	161	161	161	161	160	160	160	160	160	160	160	161	161	161	161			
15	158	158	157	157	157	156	156	155	155	155	155	156	156	157	157	158			
20	152	152	152	152	151	151	150	150	149	149	149	150	151	151	152	152			
25	145	146	145	145	145	144	143	143	142	142	142	143	144	144	145	145			
30	137	138	137	137	137	136	135	135	134	133	134	134	135	136	137	137			
35	128	129	128	128	128	127	126	125	125	124	124	125	126	126	127	128			
40	118	119	119	118	118	117	117	116	115	114	114	115	116	116	117	118			
45	108	108	108	108	108	107	106	105	104	103	103	104	105	105	106	107			
50	96.8	97.6	97.6	97.3	96.9	96.3	95.4	94.4	93.5	92.8	92.8	93.4	93.9	94.3	94.8	95.8			
55	85.4	86.4	86.5	86.3	85.9	85.4	84.5	83.6	82.8	82.2	82.1	82.5	82.8	82.8	83.2	84.2			
60	73.5	74.7	74.9	74.9	74.7	74.3	73.5	72.7	72.2	71.6	71.3	71.5	71.4	71.1	71.3	72.3			
65	61.6	62.8	63.1	63.3	63.3	63.0	62.4	61.8	61.5	60.9	60.5	60.3	60.0	59.3	59.3	60.3			
70	50.1	51.1	51.5	51.9	52.0	52.0	51.4	51.0	50.7	50.1	49.6	49.2	48.7	48.1	48.0	48.9			
75	39.7	40.6	41.0	41.3	41.5	41.5	41.1	40.7	40.4	39.7	39.2	38.9	38.5	37.9	37.8	38.7			
80	30.7	31.4	31.7	32.0	32.1	32.1	31.8	31.4	31.1	30.5	30.0	29.7	29.5	29.1	29.1	29.8			
85	23.1	23.7	23.9	24.1	24.2	24.1	23.8	23.5	23.1	22.6	22.2	22.0	21.9	21.7	21.7	22.3			
90	17.0	17.4	17.5	17.6	17.7	17.6	17.3	17.0	16.8	16.4	16.0	15.9	15.9	15.8	15.9	16.4			
95	12.3	12.6	12.7	12.8	12.7	12.6	12.4	12.2	12.0	11.7	11.5	11.4	11.5	11.4	11.5	11.9			
100	9.06	9.29	9.36	9.36	9.35	9.27	9.09	8.96	8.82	8.63	8.45	8.42	8.45	8.42	8.50	8.76			
105	6.80	6.98	7.04	7.07	7.05	6.97	6.86	6.78	6.68	6.55	6.41	6.38	6.38	6.36	6.41	6.60			
110	5.16	5.29	5.36	5.39	5.39	5.35	5.28	5.21	5.13	5.00	4.89	4.84	4.83	4.82	4.86	4.99			
115	3.93	4.03	4.10	4.14	4.15	4.13	4.07	4.02	3.93	3.84	3.74	3.69	3.67	3.67	3.70	3.80			
120	2.99	3.08	3.14	3.19	3.20	3.19	3.14	3.09	3.01	2.92	2.84	2.79	2.77	2.77	2.81	2.88			
125	2.26	2.33	2.40	2.44	2.45	2.44	2.39	2.34	2.27	2.20	2.12	2.07	2.06	2.07	2.11	2.17			
130	1.68	1.75	1.81	1.85	1.87	1.84	1.80	1.76	1.69	1.63	1.55	1.50	1.49	1.52	1.55	1.61			
135	1.24	1.30	1.36	1.39	1.40	1.38	1.34	1.29	1.22	1.16	1.09	1.05	1.03	1.07	1.11	1.17			
140	0.89	0.95	1.00	1.03	1.03	1.01	0.97	0.92	0.85	0.79	0.73	0.69	0.68	0.72	0.77	0.82			
145	0.60	0.68	0.72	0.75	0.75	0.72	0.68	0.63	0.56	0.51	0.45	0.41	0.40	0.45	0.50	0.55			
150	0.30	0.09	0.44	0.51	0.54	0.51	0.47	0.42	0.35	0.30	0.25	0.21	0.20	0.24	0.29	0.33			
155	0.20	0.31	0.10	0.33	0.37	0.35	0.32	0.27	0.21	0.17	0.11	0.07	0.07	0.09	0.14	0.16			
160	0.20	0.24	0.24	0.23	0.25	0.24	0.21	0.17	0.12	0.10	0.06	0.03	0.03	0.03	0.05	0.07			
165	0.15	0.18	0.20	0.16	0.16	0.16	0.13	0.10	0.07	0.07	0.03	0.02	0.02	0.02	0.04	0.07			
170	0.09	0.12	0.13	0.12	0.09	0.07	0.08	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.04			
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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