

Spectrum Test Report

Sample : R20-7-950-DIM
Specification :
Sample No. :
Manufacturer : RAB Lighting Inc
Remark :
Device SN :

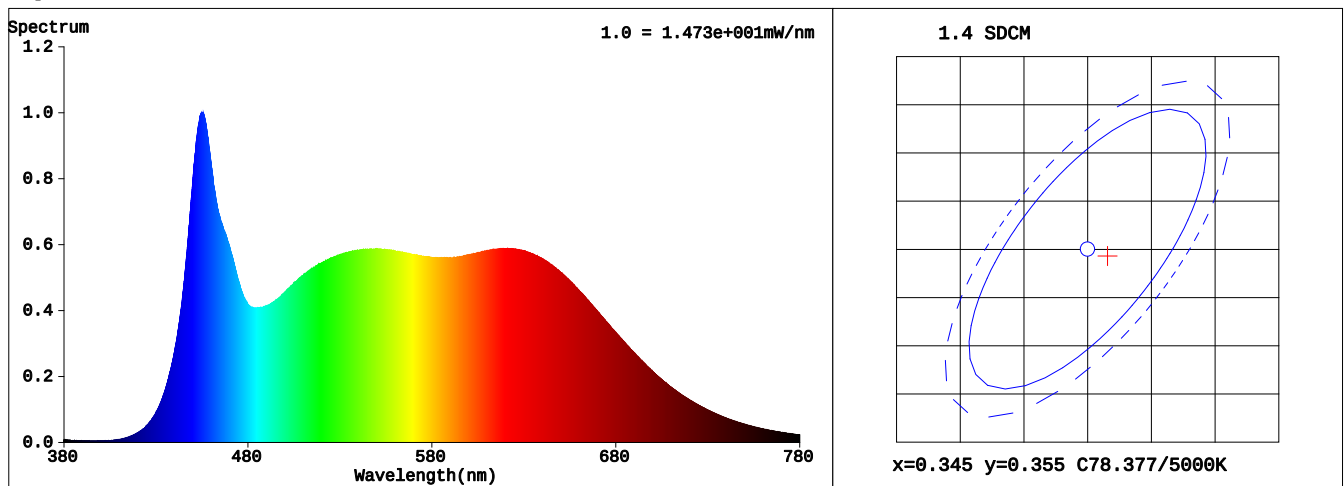
Date : 2020-02-28 08:16:41
Sam. Status :
Standard : LM-79-08
Instrument : HaasSuite(EVERFINE)
Test by :

Test Condition

Temperature : 21.8Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 30.1%
IP : 52676 (80%)
T : 430 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3462$ $y = 0.3544$ / $u' = 0.2111$ $v' = 0.4862$ ($duv=9.31e-04$)

CCT= 4967K Prpc WL: Ld=572.2nm Purity=10.2%

Peak WL: Lp=455nm FWHM: =28.8nm Ratio:R=17.8% G=76.4% B=5.8%

Render Index: Ra = 95.5

EEL: 0.12538 A+

R1 =97 R2 =100 R3 =99 R4 =92 R5 =94 R6 =95 R7 =94
R8 =93 R9 =90 R10=97 R11=94 R12=68 R13=99 R14=99 R15=94
LEVEL:OUT WHITE:ANSI_5000K

Photometric & Radiometric Parameters

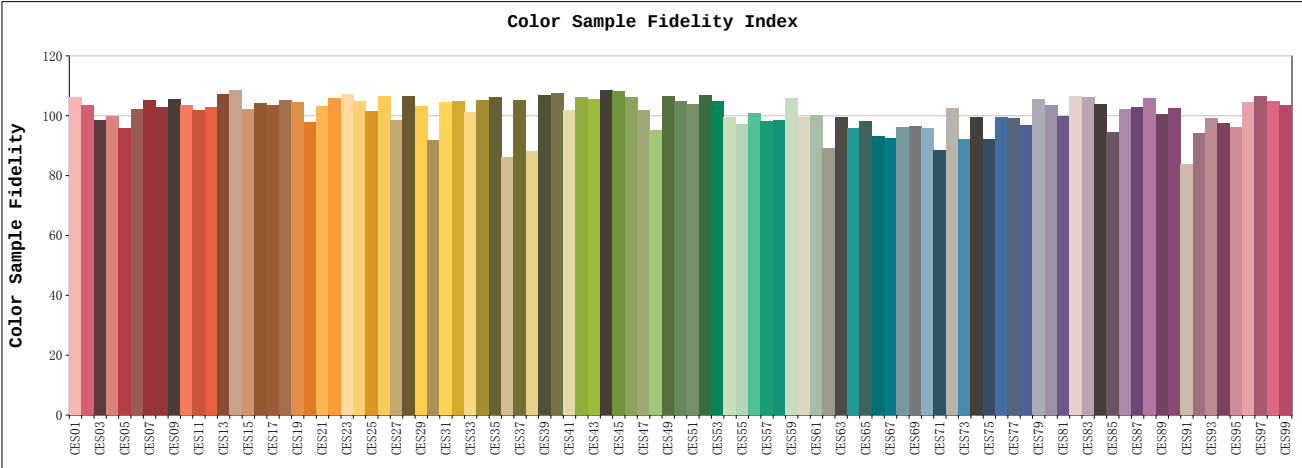
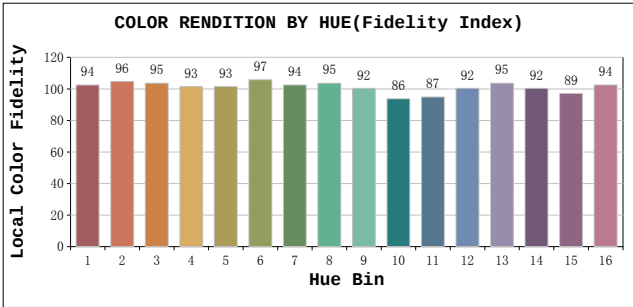
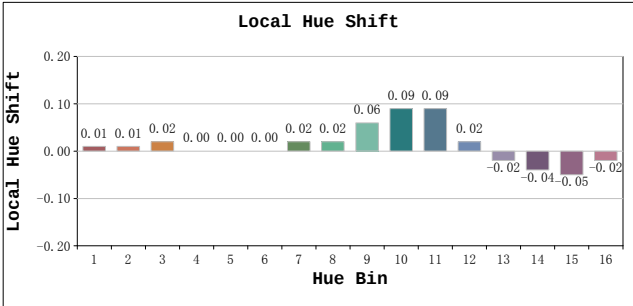
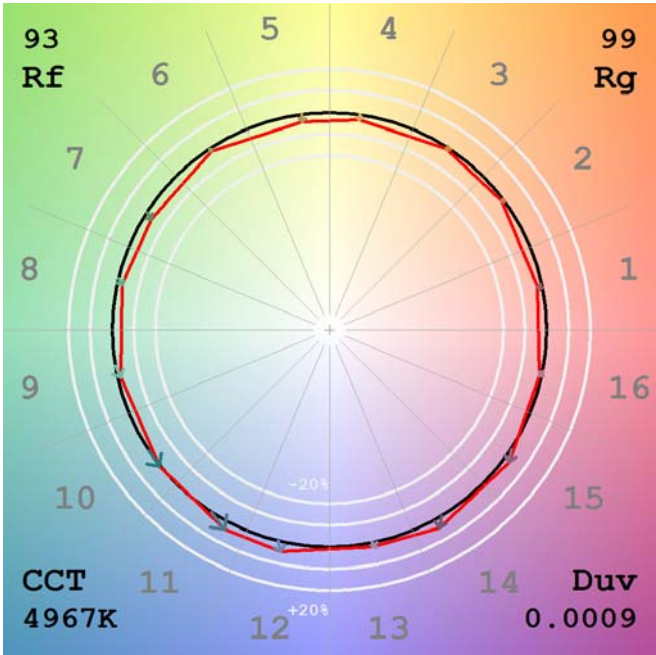
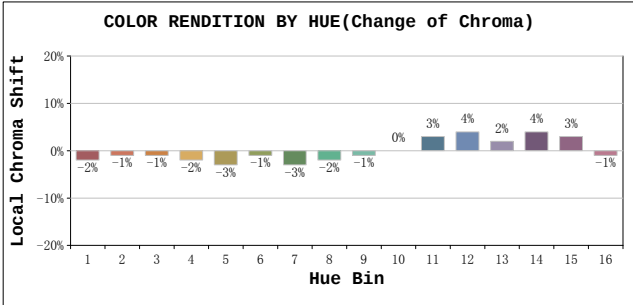
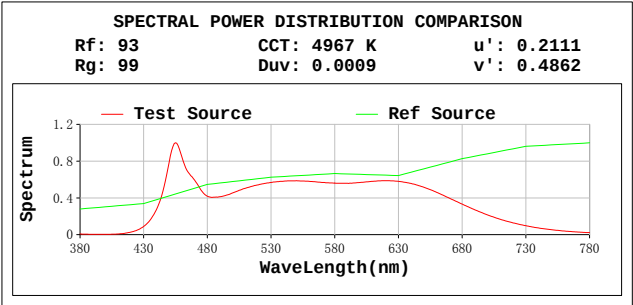
Flux = 600.12 lm Eff. : 93.92 lm/W Fe = 2.1603 W

Flux of emitted photons($\mu\text{mol/s}$):10.22 Fluo. and blue light ratio:3.882 Fluorescent eff.:246.0

Electrical parameters

V = 120.01 V I = 0.05820 A P = 6.390 W PF = 0.9149

TM30

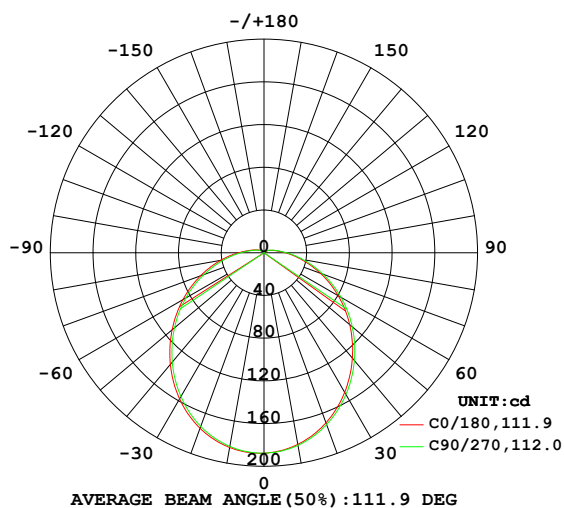


LUMINAIRE PHOTOMETRIC TEST REPORT

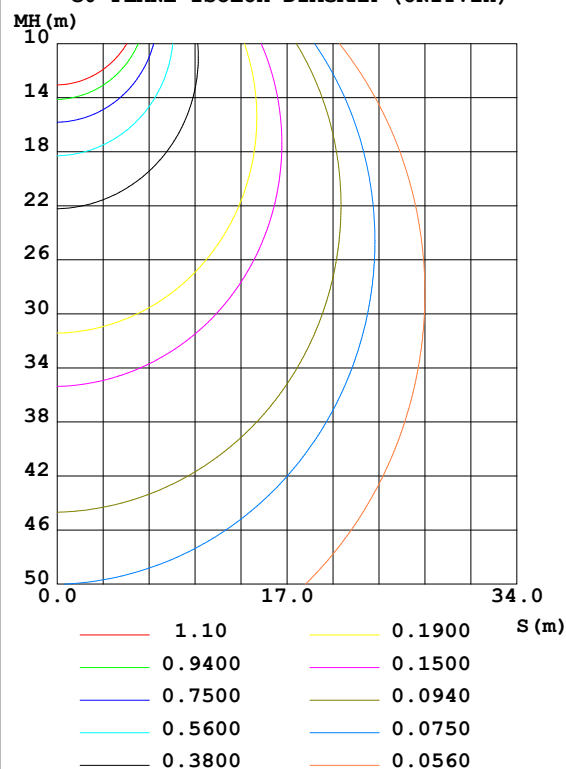
NAME: R20-7-950-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.41 lm/W
MODEL	R20	Imax (cd)	187.8	S/MH (C0/180)	1.25	
NOMINAL POWER (W)	6.2	LOR (%)	100.0	S/MH (C90/270)	1.24	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	606.80	η UP, DN (C0-180)	3.2, 46.3	
NOMINAL FLUX (lm)	606.797	CIE CLASS	DIRECT	η UP, DN (C180-360)	3.3, 47.2	
LAMPS INSIDE	1	η up (%)	6.5	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	120	η down (%)	93.5	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: 27.1DEG
 Operators:
 Test Date: 2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.3%
 Test Distance: 1.900m [K=0.6239]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

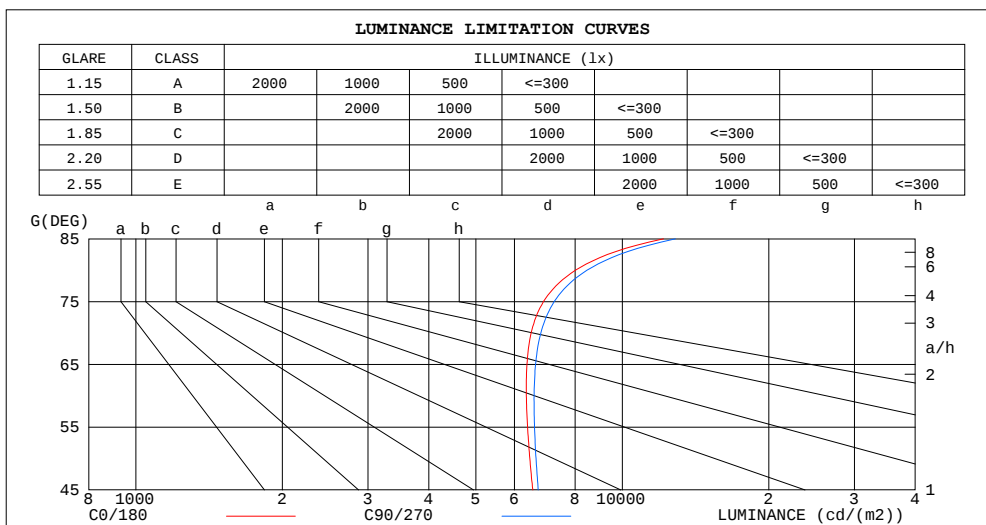
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
5	185.9	185.9	186.3	187.0	187.4	187.3	186.9	186.3	0- 5	4.474	4.474	0.74,0.74
10	182.2	182.3	183.1	184.3	185.2	185.0	184.2	183.0	5- 10	13.25	17.72	2.92,2.92
15	176.7	176.8	178.0	179.7	181.0	180.8	179.5	177.9	10- 15	21.50	39.22	6.46,6.46
20	169.6	169.7	171.2	173.4	174.9	174.7	173.1	171.0	15- 20	28.93	68.15	11.2,11.2
25	160.9	161.2	162.9	165.4	167.2	167.0	165.0	162.5	20- 25	35.26	103.4	17,17
30	151.1	151.5	153.4	156.1	158.1	157.8	155.6	152.8	25- 30	40.31	143.7	23.7,23.7
35	140.2	140.9	142.9	145.7	147.7	147.4	145.0	142.1	30- 35	43.95	187.7	30.9,30.9
40	128.8	129.7	131.7	134.5	136.4	136.1	133.6	130.7	35- 40	46.14	233.8	38.5,38.5
45	116.9	117.9	119.9	122.7	124.5	124.3	121.7	118.7	40- 45	46.92	280.7	46.3,46.3
50	104.8	106.0	107.9	110.6	112.3	112.0	109.5	106.5	45- 50	46.36	327.1	53.9,53.9
55	92.56	93.79	95.60	98.35	99.95	99.62	96.96	94.15	50- 55	44.56	371.6	61.2,61.2
60	80.19	81.44	83.17	85.87	87.54	87.10	84.39	81.67	55- 60	41.65	413.3	68.1,68.1
65	67.96	69.22	70.81	73.47	75.25	74.70	71.98	69.38	60- 65	37.78	451.1	74.3,74.3
70	56.12	57.30	58.74	61.38	63.24	62.58	59.95	57.42	65- 70	33.18	484.3	79.8,79.8
75	45.01	46.05	47.35	49.92	51.81	51.00	48.44	46.19	70- 75	28.13	512.4	84.4,84.4
80	35.14	35.98	37.11	39.47	41.23	40.35	38.06	36.08	75- 80	22.99	535.4	88.2,88.2
85	26.75	27.38	28.30	30.36	31.87	31.04	29.08	27.44	80- 85	18.12	553.5	91.2,91.2
90	19.98	20.47	21.22	22.84	24.00	23.28	21.78	20.53	85- 90	13.83	567.3	93.5,93.5
95	14.98	15.34	15.90	17.08	17.88	17.30	16.24	15.37	90- 95	10.33	577.7	95.2,95.2
100	11.46	11.73	12.13	12.96	13.47	13.02	12.33	11.73	95-100	7.714	585.4	96.5,96.5
105	8.916	9.137	9.454	10.05	10.38	10.05	9.565	9.117	100-105	5.834	591.2	97.4,97.4
110	6.938	7.111	7.386	7.848	8.089	7.821	7.449	7.099	105-110	4.437	595.6	98.2,98.2
115	5.368	5.507	5.744	6.101	6.279	6.065	5.777	5.508	110-115	3.344	599.0	98.7,98.7
120	4.119	4.231	4.433	4.706	4.823	4.644	4.420	4.209	115-120	2.479	601.5	99.1,99.1
125	3.114	3.206	3.376	3.588	3.676	3.521	3.351	3.181	120-125	1.802	603.3	99.4,99.4
130	2.303	2.384	2.528	2.685	2.754	2.622	2.488	2.356	125-130	1.277	604.5	99.6,99.6
135	1.665	1.738	1.857	1.965	2.017	1.904	1.804	1.699	130-135	0.8744	605.4	99.8,99.8
140	1.169	1.239	1.334	1.401	1.435	1.337	1.266	1.184	135-140	0.5762	606.0	99.9,99.9
145	0.7946	0.8617	0.9328	0.9626	0.9819	0.8999	0.8526	0.7902	140-145	0.3617	606.4	99.9,99.9
150	0.5201	0.5871	0.6350	0.6319	0.6389	0.5732	0.5478	0.5001	145-150	0.2141	606.6	100,100
155	0.3329	0.3981	0.4258	0.3994	0.3944	0.3481	0.3379	0.3018	150-155	0.1187	606.7	100,100
160	0.2189	0.2788	0.2908	0.2479	0.2308	0.2066	0.2076	0.1768	155-160	0.0620	606.7	100,100
165	0.1317	0.1898	0.2030	0.1612	0.1331	0.1317	0.1357	0.0936	160-165	0.0312	606.8	100,100
170	0.0485	0.0586	0.1129	0.0801	0.0619	0.0752	0.0792	0.0434	165-170	0.0130	606.8	100,100
175	0.0161	0.0158	0.0161	0.0161	0.0155	0.0161	0.0156	0.0155	170-175	0.0030	606.8	100,100
180	0.0004	0.0005	0.0007	0.0005	0.0004	0.0007	0.0006	0.0007	175-180	0.0003	606.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27.1DEG
 Operators:
 Test Date:2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity:24.3%
 Test Distance:1.900m [K=0.6239]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: R20-7-950-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	12152	12854
80	8012	8460
75	6885	7243
70	6495	6799
65	6366	6633
60	6349	6585
55	6388	6599
50	6454	6645
45	6546	6715

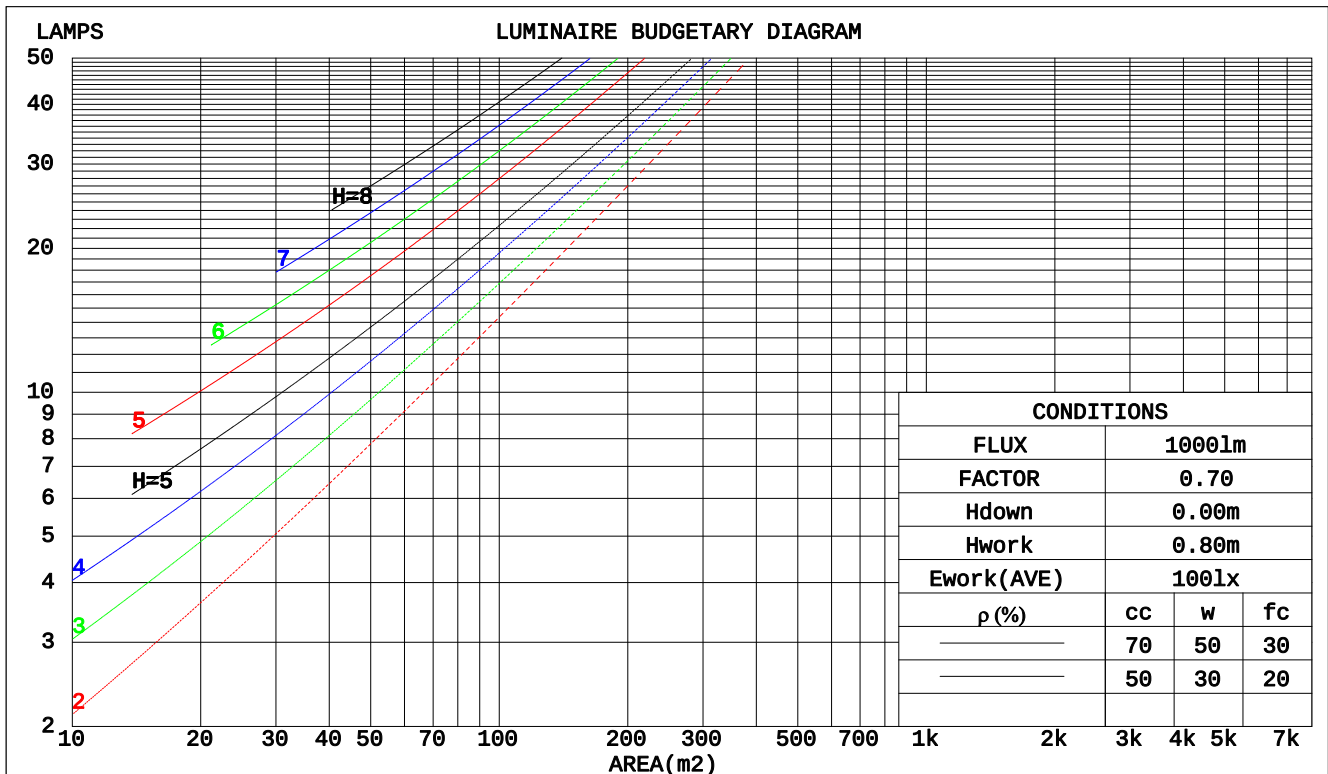
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: R20-7-950-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.02	1.02	1.02	.96	.96	.96	.93
1.0	1.00	.95	.91	.97	.93	.89	.92	.88	.85	.87	.84	.81	.82	.80	.77	.75
2.0	.87	.79	.73	.84	.77	.71	.79	.74	.69	.75	.70	.66	.71	.67	.64	.61
3.0	.76	.67	.60	.74	.66	.59	.70	.63	.57	.66	.60	.55	.62	.58	.54	.51
4.0	.67	.58	.51	.65	.56	.50	.62	.54	.48	.58	.52	.47	.56	.50	.46	.43
5.0	.60	.50	.43	.58	.49	.43	.55	.48	.42	.52	.46	.41	.50	.44	.40	.37
6.0	.54	.44	.38	.52	.44	.37	.50	.42	.37	.47	.41	.36	.45	.39	.35	.33
7.0	.49	.40	.33	.47	.39	.33	.45	.38	.32	.43	.37	.32	.41	.35	.31	.29
8.0	.44	.36	.30	.43	.35	.29	.41	.34	.29	.40	.33	.28	.38	.32	.28	.26
9.0	.41	.32	.27	.40	.32	.26	.38	.31	.26	.37	.30	.25	.35	.29	.25	.23
10.0	.37	.29	.24	.37	.29	.24	.35	.28	.23	.34	.28	.23	.33	.27	.23	.21



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.3%
 Test Distance: 1.900m [K=0.6239]
 Remarks:

WEC AND CCEC

NAME: R20-7-950-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.352	.200	.063	.343	.196	.062	.326	.187	.060	.310	.179	.057	.295	.171	.055		
2.0	.314	.172	.053	.306	.169	.052	.291	.162	.050	.277	.155	.049	.264	.149	.047		
3.0	.284	.151	.045	.277	.148	.045	.263	.142	.043	.250	.137	.042	.238	.132	.041		
4.0	.258	.134	.039	.252	.132	.039	.239	.127	.038	.228	.122	.037	.217	.118	.036		
5.0	.236	.120	.035	.231	.118	.034	.220	.114	.034	.209	.110	.033	.200	.107	.032		
6.0	.218	.109	.031	.213	.107	.031	.203	.104	.030	.193	.100	.030	.185	.097	.029		
7.0	.202	.100	.028	.197	.098	.028	.188	.095	.027	.180	.092	.027	.172	.089	.026		
8.0	.188	.092	.026	.183	.090	.026	.175	.088	.025	.168	.085	.025	.160	.082	.024		
9.0	.175	.085	.024	.172	.084	.023	.164	.081	.023	.157	.079	.023	.151	.076	.022		
10.0	.165	.079	.022	.161	.078	.022	.154	.076	.021	.148	.073	.021	.142	.071	.020		

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.240	.240	.240	.205	.205	.205	.140	.140	.140	.080	.080	.080	.026	.026	.026	
1.0	.233	.206	.181	.200	.177	.156	.136	.121	.108	.079	.070	.063	.025	.023	.020	
2.0	.226	.182	.146	.193	.157	.126	.132	.108	.088	.076	.063	.051	.024	.020	.017	
3.0	.218	.165	.123	.187	.142	.107	.128	.099	.075	.074	.058	.044	.024	.019	.014	
4.0	.210	.152	.108	.180	.131	.094	.124	.092	.066	.072	.054	.039	.023	.017	.013	
5.0	.202	.142	.097	.174	.123	.085	.120	.086	.060	.069	.050	.035	.022	.016	.012	
6.0	.195	.134	.090	.167	.116	.078	.116	.081	.055	.067	.048	.033	.022	.016	.011	
7.0	.188	.127	.084	.162	.110	.073	.112	.077	.052	.065	.045	.031	.021	.015	.010	
8.0	.181	.121	.080	.156	.105	.070	.108	.074	.049	.063	.043	.029	.020	.014	.010	
9.0	.175	.116	.076	.151	.101	.067	.104	.071	.047	.061	.042	.028	.020	.014	.009	
10.0	.169	.112	.074	.146	.097	.064	.101	.068	.046	.059	.040	.027	.019	.013	.009	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

UGR(Unified Glare Rating) Table

NAME: R20-7-950-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	20.4	21.9	20.8	22.2	22.6	20.6	22.0	20.9	22.4	22.7				
3H	22.2	23.6	22.6	23.9	24.3	22.4	23.8	22.8	24.1	24.5				
4H	23.1	24.4	23.5	24.8	25.2	23.3	24.6	23.7	25.0	25.4				
6H	24.0	25.2	24.4	25.6	26.0	24.2	25.4	24.6	25.8	26.2				
8H	24.4	25.6	24.8	26.0	26.4	24.7	25.8	25.1	26.2	26.7				
12H	24.9	26.0	25.4	26.5	26.9	25.2	26.3	25.6	26.7	27.2				
4H 2H	21.1	22.4	21.5	22.8	23.2	21.2	22.5	21.6	22.9	23.3				
3H	23.1	24.2	23.5	24.7	25.1	23.2	24.4	23.7	24.8	25.2				
4H	24.1	25.2	24.6	25.6	26.1	24.3	25.3	24.8	25.8	26.3				
6H	25.2	26.1	25.7	26.6	27.1	25.4	26.3	25.9	26.8	27.3				
8H	25.7	26.6	26.2	27.1	27.6	25.9	26.8	26.5	27.3	27.8				
12H	26.3	27.1	26.9	27.6	28.2	26.6	27.4	27.1	27.9	28.4				
8H 4H	24.5	25.4	25.1	25.9	26.4	24.7	25.6	25.2	26.1	26.6				
6H	25.8	26.6	26.4	27.1	27.7	26.0	26.8	26.6	27.3	27.8				
8H	26.6	27.2	27.1	27.8	28.3	26.7	27.4	27.3	27.9	28.5				
12H	27.4	27.9	27.9	28.5	29.1	27.6	28.2	28.2	28.7	29.3				
12H 4H	24.6	25.4	25.1	25.9	26.5	24.8	25.6	25.3	26.1	26.6				
6H	26.0	26.7	26.6	27.2	27.8	26.2	26.8	26.7	27.4	28.0				
8H	26.8	27.4	27.4	28.0	28.6	27.0	27.6	27.6	28.1	28.7				
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, 606.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.7)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

UTILIZATION FACTORS TABLE

NAME: R20-7-950-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

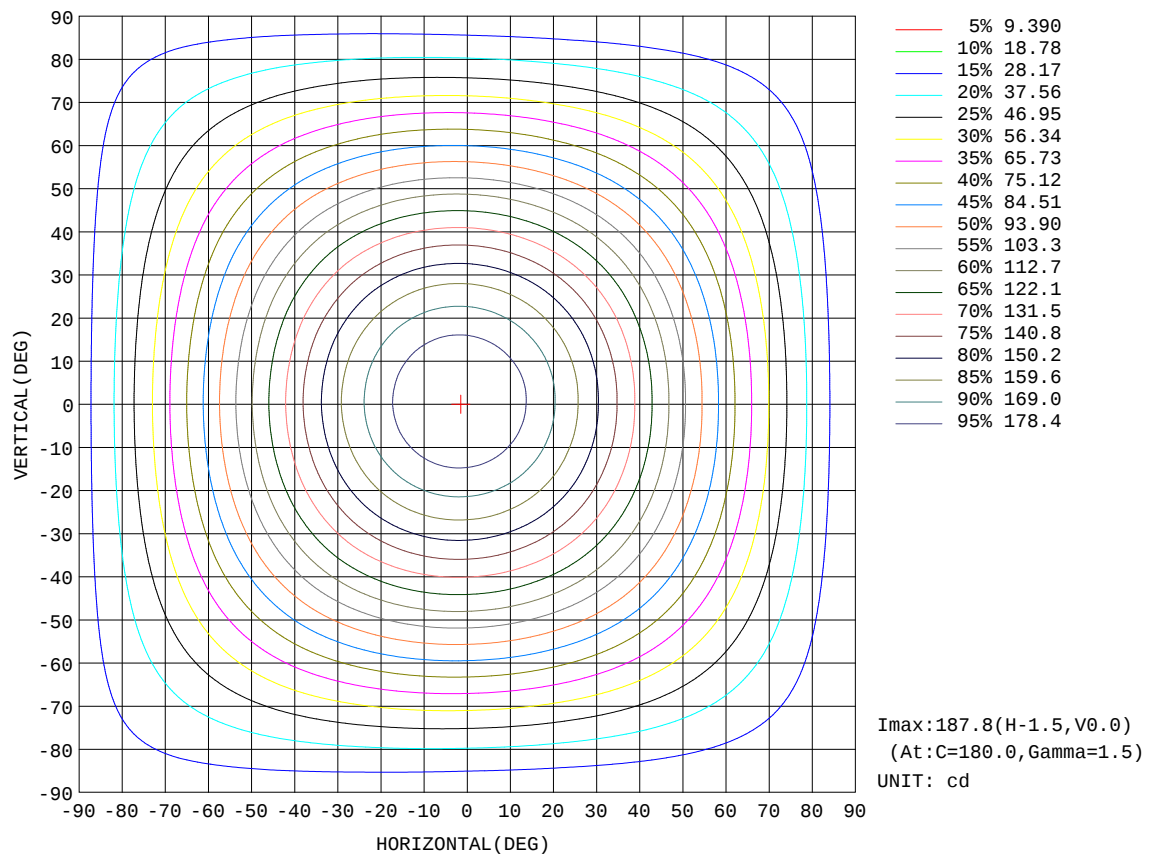
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	54	42	35	53	42	35	52	41	34	28
0.80	63	51	43	62	51	43	60	50	43	36
1.00	71	59	52	70	59	51	67	60	51	43
1.25	78	67	59	77	66	58	73	64	57	49
1.50	83	72	65	81	71	64	78	69	63	54
2.00	90	80	73	88	79	72	84	76	70	61
2.50	94	85	78	92	84	77	87	80	75	65
3.00	98	90	83	95	88	82	90	84	79	69
4.00	102	95	90	99	93	88	94	89	85	74
5.00	105	99	94	102	96	92	96	92	88	77
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

ISOCANDELA DIAGRAM

NAME: R20-7-950-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

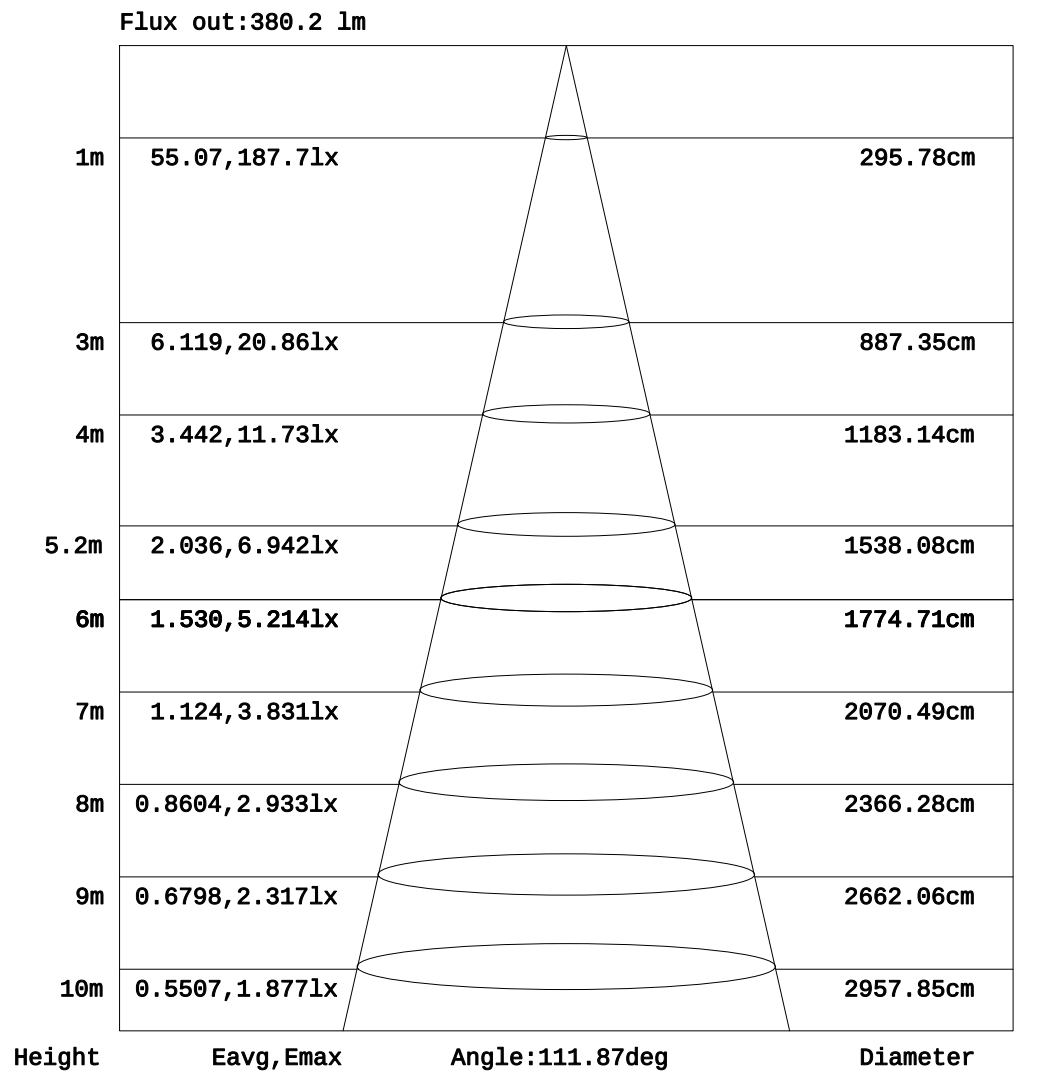


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

AAI Figure

NAME: R20-7-950-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



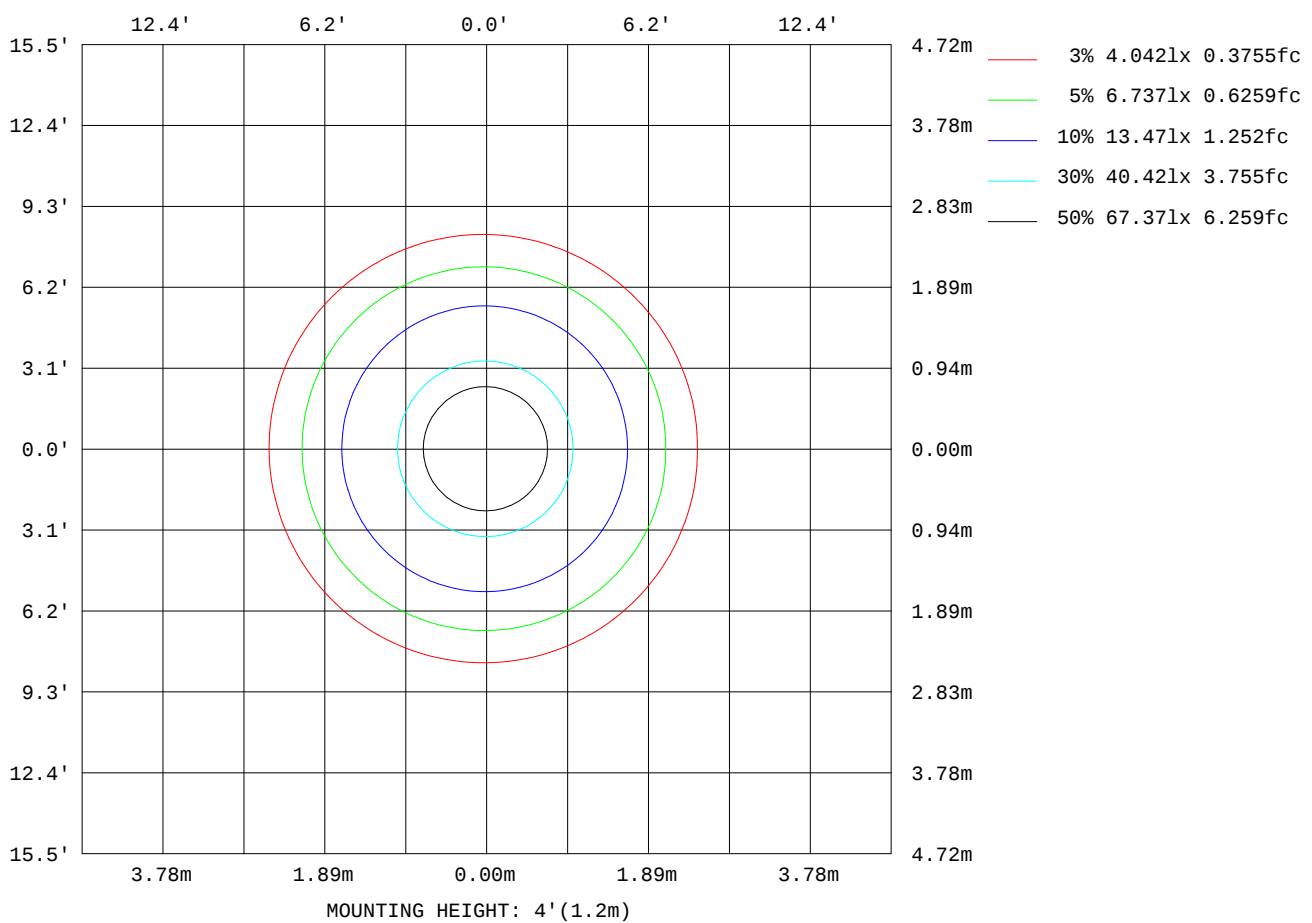
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

ISOLUX DIAGRAM

NAME: R20-7-950-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: 27.1DEG
 Operators:
 Test Date: 2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.3%
 Test Distance: 1.900m [K=0.6239]
 Remarks:

LED Avg.L Report

NAME: R20-7-950-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

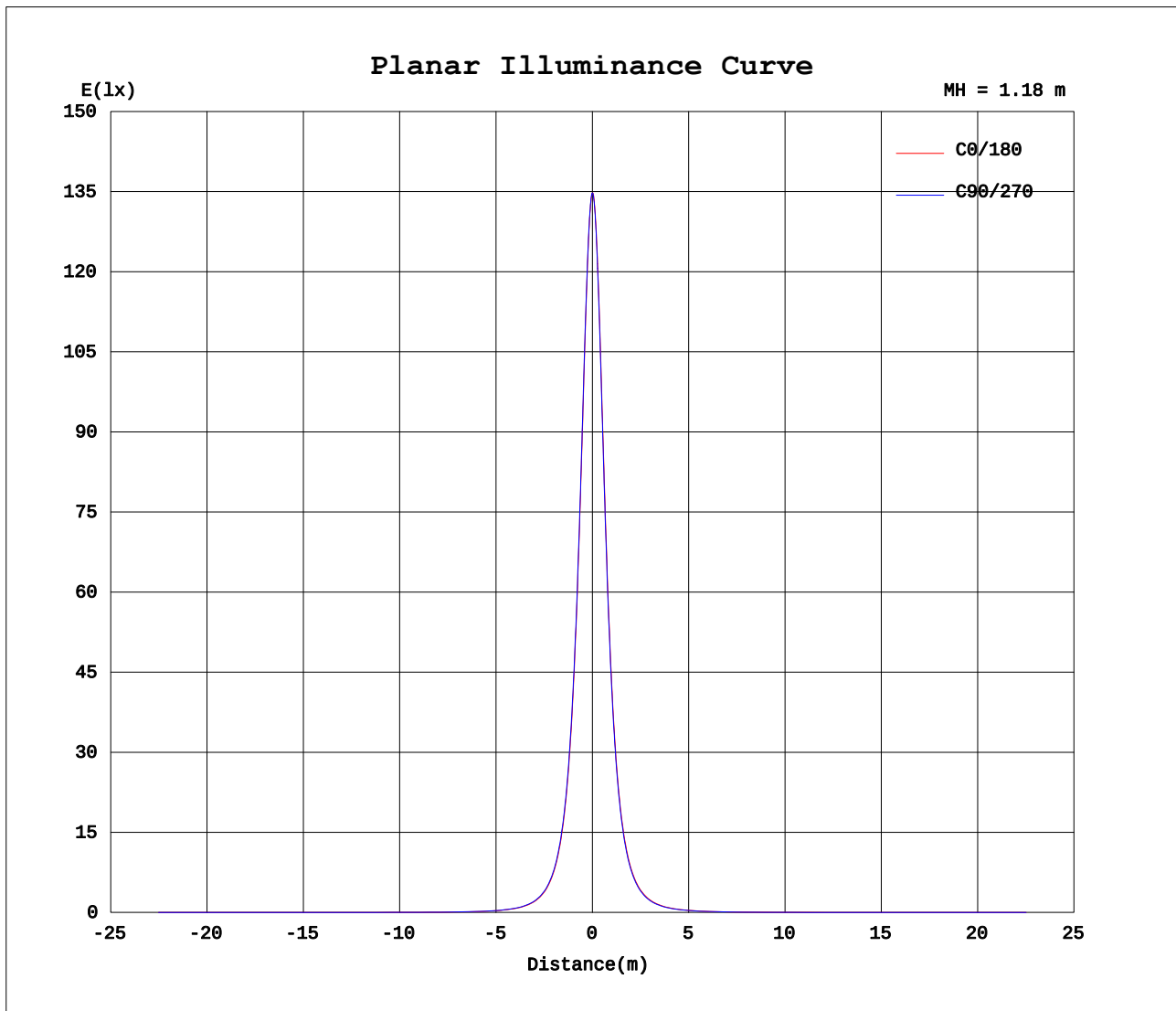
AvgL	cd/m2
L_0~180 (65) av	6707
L_0~180 (75) av	7405
L_0~180 (85) av	13315
L_90~270 (65) av	6688
L_90~270 (75) av	7326
L_90~270 (85) av	13032
L_45 (65) av	6716
L_45 (75) av	7386
L_45 (85) av	13197

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: R20-7-950-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	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188			
5	186	186	186	186	186	187	187	187	187	187	187	187	187	187	186	186			
10	182	182	182	183	183	184	184	185	185	185	185	185	184	184	183	183			
15	177	177	177	177	178	179	180	180	181	181	181	180	179	179	178	177			
20	170	169	170	170	171	172	173	174	175	175	175	174	173	172	171	170			
25	161	161	161	162	163	164	165	166	167	167	167	166	165	164	163	162			
30	151	151	152	152	153	155	156	157	158	158	158	157	156	154	153	152			
35	140	140	141	142	143	144	146	147	148	148	147	146	145	143	142	141			
40	129	129	130	130	132	133	134	136	136	137	136	135	134	132	131	130			
45	117	117	118	119	120	121	123	124	125	125	124	123	122	120	119	118			
50	105	105	106	107	108	109	111	112	112	112	112	111	109	108	106	106			
55	92.6	93.0	93.8	94.5	95.6	97.0	98.4	99.2	100.0	100	99.6	98.5	97.0	95.4	94.1	93.3			
60	80.2	80.7	81.4	82.2	83.2	84.5	85.9	86.8	87.5	87.7	87.1	86.0	84.4	82.8	81.7	80.9			
65	68.0	68.5	69.2	69.8	70.8	72.2	73.5	74.5	75.2	75.3	74.7	73.6	72.0	70.5	69.4	68.6			
70	56.1	56.6	57.3	57.8	58.7	60.0	61.4	62.4	63.2	63.2	62.6	61.5	60.0	58.5	57.4	56.6			
75	45.0	45.4	46.0	46.5	47.4	48.6	49.9	51.0	51.8	51.7	51.0	49.9	48.4	47.1	46.2	45.6			
80	35.1	35.5	36.0	36.4	37.1	38.2	39.5	40.5	41.2	41.0	40.4	39.4	38.1	36.9	36.1	35.6			
85	26.8	27.0	27.4	27.7	28.3	29.3	30.4	31.3	31.9	31.6	31.0	30.2	29.1	28.1	27.4	27.0			
90	20.0	20.2	20.5	20.7	21.2	22.0	22.8	23.6	24.0	23.8	23.3	22.6	21.8	21.0	20.5	20.2			
95	15.0	15.1	15.3	15.5	15.9	16.4	17.1	17.6	17.9	17.7	17.3	16.8	16.2	15.7	15.4	15.1			
100	11.5	11.6	11.7	11.9	12.1	12.5	13.0	13.3	13.5	13.3	13.0	12.7	12.3	12.0	11.7	11.6			
105	8.92	9.00	9.14	9.26	9.45	9.73	10.0	10.3	10.4	10.2	10.0	9.82	9.57	9.32	9.12	8.99			
110	6.94	7.00	7.11	7.23	7.39	7.60	7.85	8.03	8.09	7.98	7.82	7.64	7.45	7.26	7.10	6.99			
115	5.37	5.41	5.51	5.61	5.74	5.91	6.10	6.24	6.28	6.19	6.06	5.92	5.78	5.63	5.51	5.40			
120	4.12	4.15	4.23	4.33	4.43	4.56	4.71	4.81	4.82	4.75	4.64	4.53	4.42	4.31	4.21	4.13			
125	3.11	3.14	3.21	3.29	3.38	3.47	3.59	3.67	3.68	3.62	3.52	3.43	3.35	3.26	3.18	3.12			
130	2.30	2.33	2.38	2.46	2.53	2.60	2.69	2.75	2.75	2.70	2.62	2.55	2.49	2.42	2.36	2.31			
135	1.66	1.69	1.74	1.80	1.86	1.90	1.96	2.01	2.02	1.97	1.90	1.85	1.80	1.75	1.70	1.67			
140	1.17	1.19	1.24	1.29	1.33	1.36	1.40	1.43	1.43	1.40	1.34	1.30	1.27	1.23	1.18	1.16			
145	0.79	0.82	0.86	0.90	0.93	0.94	0.96	0.99	0.98	0.95	0.90	0.87	0.85	0.82	0.79	0.77			
150	0.52	0.55	0.59	0.62	0.63	0.64	0.63	0.65	0.64	0.62	0.57	0.56	0.55	0.53	0.50	0.48			
155	0.33	0.37	0.40	0.42	0.43	0.42	0.40	0.40	0.39	0.38	0.35	0.34	0.34	0.32	0.30	0.28			
160	0.22	0.25	0.28	0.29	0.29	0.28	0.25	0.24	0.23	0.23	0.21	0.21	0.21	0.19	0.18	0.16			
165	0.13	0.16	0.19	0.20	0.20	0.19	0.16	0.14	0.13	0.13	0.13	0.14	0.14	0.12	0.09	0.08			
170	0.05	0.05	0.06	0.10	0.11	0.10	0.08	0.06	0.06	0.06	0.08	0.08	0.08	0.06	0.04	0.03			
175	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02			
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
Test Speed: HIGH
Temperature: 27.1DEG
Operators:
Test Date: 2020-02-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.366
Humidity: 24.3%
Test Distance: 1.900m [K=0.6239]
Remarks: