

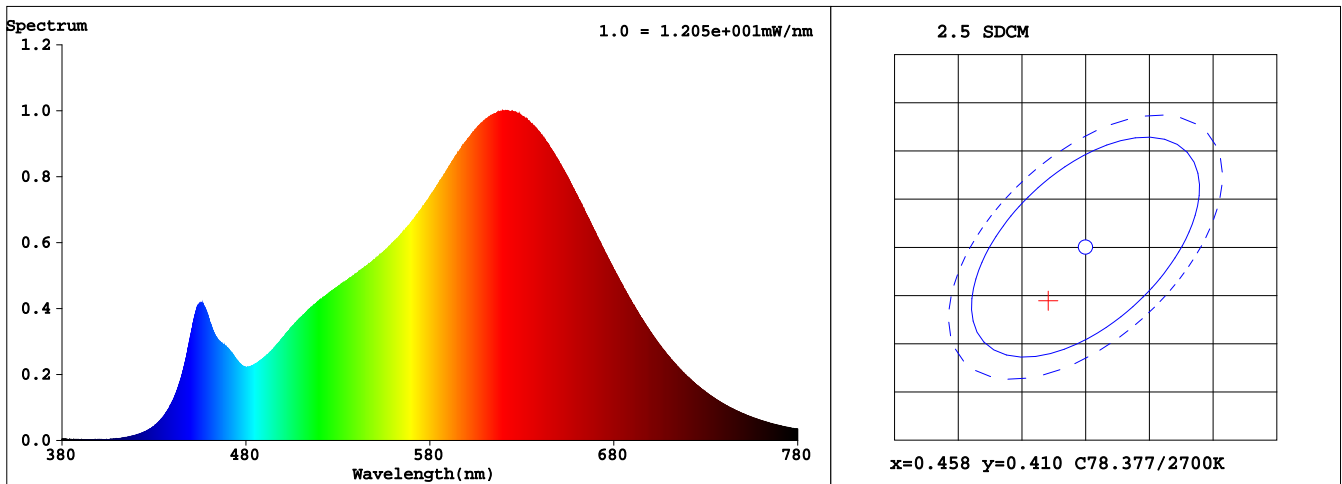
# Spectrum Test Report

Sample : R20-7-927-DIM Date : 2020-03-22 09:19:17  
Specification : Sam. Status :  
Sample No. : Standard : LM-79-80  
Manufacturer : RAB Lighting Inc Instrument : HaasSuite(EVERFINE)  
Remark : Test by :  
Device SN :

## Test Condition

Temperature : 26.6Deg RH : 30.1%  
WL Range : 380nm-780nm IP : 52178 (80%)  
Test Mode : Fast Test T : 309 ms  
Sensitivity : High

## Spectrum



## Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4547$   $y = 0.4043$  /  $u' = 0.2620$   $v' = 0.5241$  ( $duv = -1.92e-03$ )

CCT= 2723K Prcp WL: Ld=584.7nm Purity=57.8%

Peak WL: Lp=621nm FWHM: =143.3nm Ratio:R=26.5% G=70.7% B=2.8%

Render Index: Ra = 92.9

EEL: 0.12932 A+

R1 =94 R2 =99 R3 =97 R4 =93 R5 =94 R6 =97 R7 =90  
R8 =80 R9 =59 R10=97 R11=94 R12=86 R13=96 R14=99 R15=90  
LEVEL:OUT WHITE:ANSI\_2700K

## Photometric & Radiometric Parameters

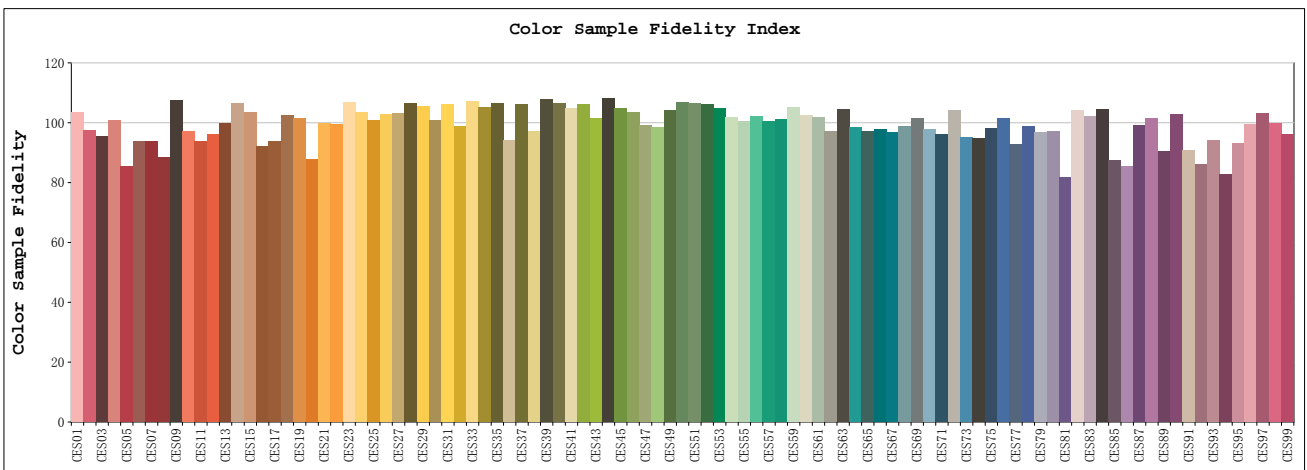
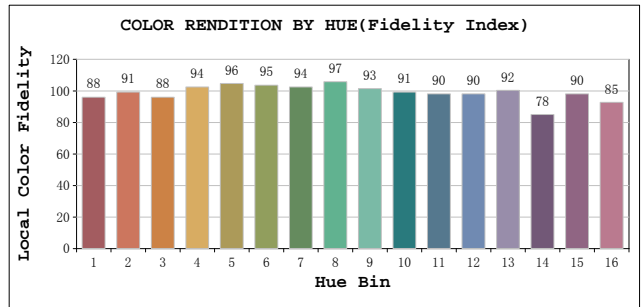
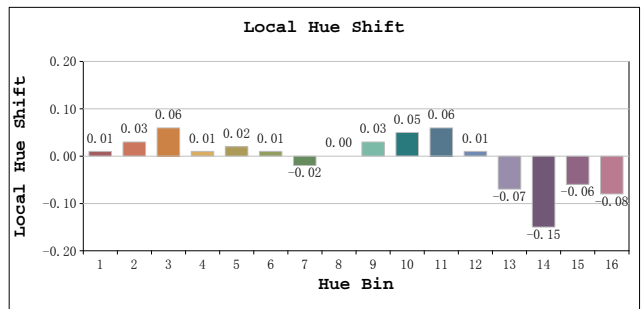
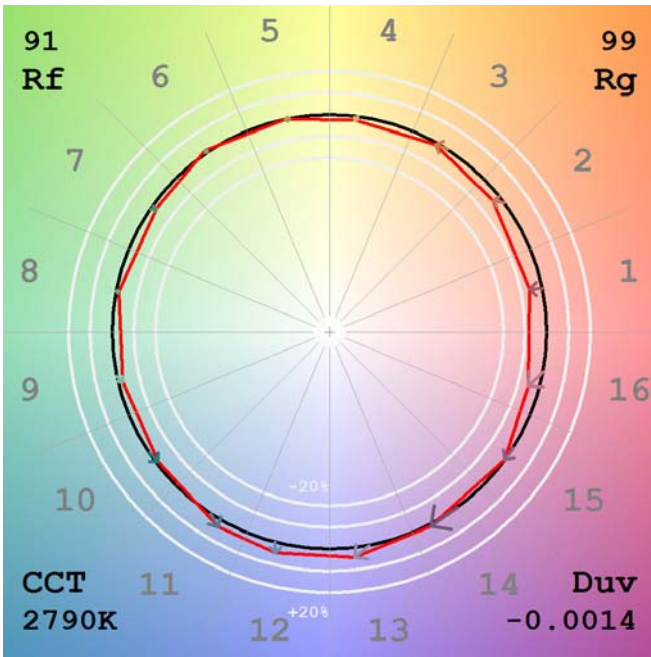
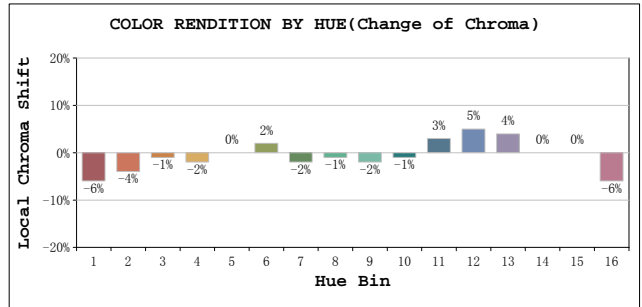
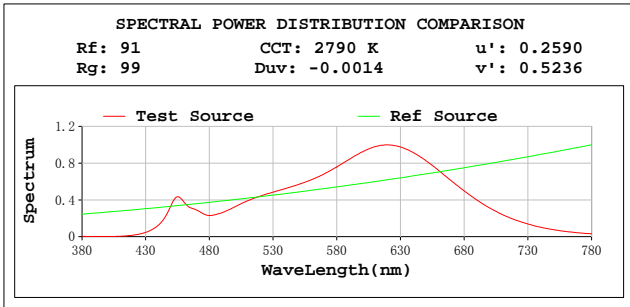
Flux = 550.67 lm Eff. : 89.40 lm/W Fe = 1.9582 W

Flux of emitted photons( $\mu\text{mol/s}$ ):9.7845 Fluo. and blue light ratio:11.78 Fluorescent eff.:270.1

## Electrical parameters

V = 120.00 V I = 0.05570 A P = 6.160 W PF = 0.9216

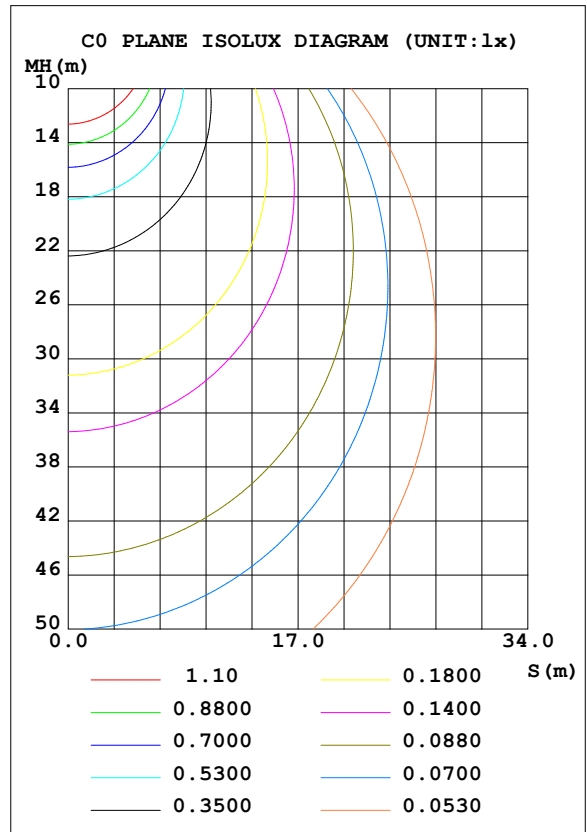
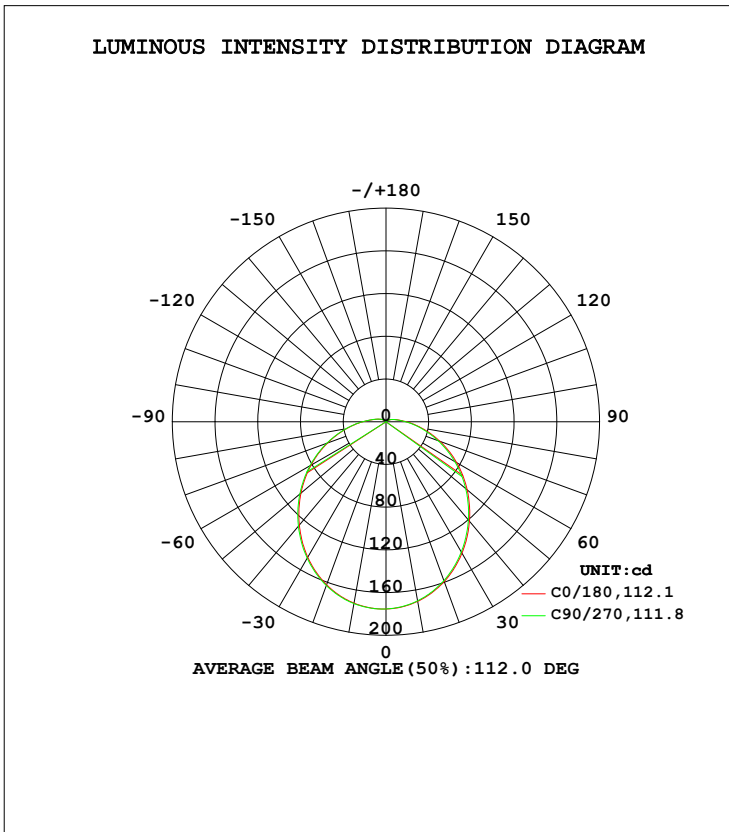
# TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: R20-7-927-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 91.23 lm/W
MODEL	R20	I <sub>max</sub> (cd)	175.4	S/MH (C0/180)	1.24	
NOMINAL POWER (W)	6.2	LOR (%)	100.0	S/MH (C90/270)	1.25	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	566.53	η UP, DN (C0-180)	3.0, 45.5	
NOMINAL FLUX (lm)	566.532	CIE CLASS	DIRECT	η UP, DN (C180-360)	3.4, 48.0	
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	



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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6239]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

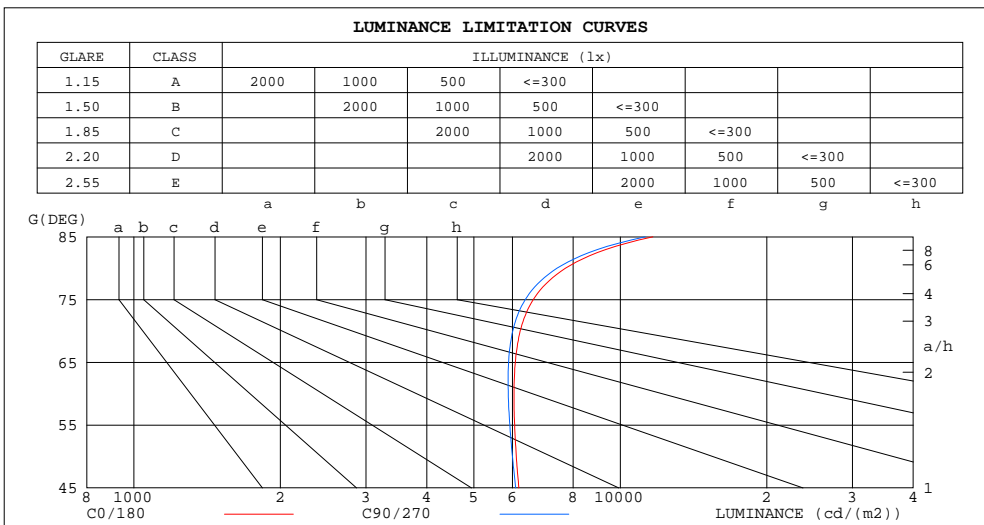
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	173.9	173.5	173.7	174.1	174.8	175.0	175.0	174.5	0- 5	4.179	4.179	0.74,0.74
10	170.7	170.0	170.3	171.2	172.5	173.0	172.9	171.9	5- 10	12.37	16.55	2.92,2.92
15	165.8	164.8	165.1	166.5	168.3	169.1	168.9	167.5	10- 15	20.08	36.63	6.47,6.47
20	159.3	157.9	158.4	160.1	162.5	163.5	163.2	161.5	15- 20	27.01	63.65	11.2,11.2
25	151.4	149.8	150.2	152.3	155.2	156.4	156.0	154.0	20- 25	32.92	96.57	17,17
30	142.2	140.5	140.9	143.2	146.5	148.0	147.5	145.2	25- 30	37.63	134.2	23.7,23.7
35	132.2	130.4	130.7	133.2	136.8	138.4	138.0	135.5	30- 35	41.02	175.2	30.9,30.9
40	121.6	119.7	120.0	122.5	126.3	128.1	127.6	124.9	35- 40	43.07	218.3	38.5,38.5
45	110.5	108.6	108.8	111.4	115.3	117.2	116.7	113.9	40- 45	43.79	262.1	46.3,46.3
50	99.24	97.30	97.43	100.0	104.0	105.9	105.4	102.6	45- 50	43.27	305.4	53.9,53.9
55	87.85	85.85	85.88	88.55	92.50	94.37	93.79	91.12	50- 55	41.60	347.0	61.2,61.2
60	76.36	74.32	74.30	77.03	80.92	82.73	82.09	79.53	55- 60	38.90	385.9	68.1,68.1
65	64.94	62.90	62.89	65.64	69.45	71.16	70.46	67.99	60- 65	35.30	421.2	74.3,74.3
70	53.76	51.86	51.91	54.61	58.21	59.78	59.00	56.72	65- 70	31.02	452.2	79.8,79.8
75	43.30	41.53	41.68	44.24	47.44	48.86	48.16	45.96	70- 75	26.32	478.5	84.5,84.5
80	33.83	32.30	32.50	34.83	37.60	38.80	38.15	36.17	75- 80	21.53	500.0	88.3,88.3
85	25.68	24.51	24.77	26.56	28.96	29.96	29.38	27.67	80- 85	16.97	517.0	91.3,91.3
90	19.17	18.23	18.47	19.98	21.77	22.58	22.12	20.71	85- 90	12.95	530.0	93.5,93.5
95	14.28	13.62	13.81	14.89	16.19	16.83	16.50	15.42	90- 95	9.665	539.6	95.2,95.2
100	10.86	10.40	10.55	11.29	12.19	12.68	12.45	11.64	95-100	7.195	546.8	96.5,96.5
105	8.411	8.064	8.187	8.734	9.386	9.765	9.601	8.999	100-105	5.423	552.2	97.5,97.5
110	6.518	6.250	6.349	6.779	7.282	7.592	7.474	6.980	105-110	4.110	556.3	98.2,98.2
115	5.024	4.810	4.889	5.234	5.632	5.883	5.804	5.391	110-115	3.085	559.4	98.7,98.7
120	3.843	3.666	3.728	4.012	4.298	4.508	4.456	4.123	115-120	2.278	561.7	99.1,99.1
125	2.896	2.747	2.793	3.029	3.256	3.432	3.400	3.126	120-125	1.650	563.4	99.4,99.4
130	2.136	2.007	2.031	2.231	2.424	2.574	2.553	2.331	125-130	1.163	564.5	99.6,99.6
135	1.538	1.424	1.437	1.599	1.765	1.893	1.881	1.701	130-135	0.7930	565.3	99.8,99.8
140	1.075	0.9719	0.9723	1.105	1.247	1.356	1.352	1.205	135-140	0.5188	565.8	99.9,99.9
145	0.7244	0.6317	0.6174	0.7223	0.8498	0.9386	0.9401	0.8240	140-145	0.3221	566.2	99.9,99.9
150	0.4701	0.3887	0.3581	0.4384	0.5543	0.6215	0.6276	0.5400	145-150	0.1873	566.3	100,100
155	0.2976	0.2339	0.1857	0.2431	0.3496	0.3938	0.4031	0.3408	150-155	0.1009	566.4	100,100
160	0.1901	0.1531	0.1017	0.1315	0.2238	0.2484	0.2512	0.2108	155-160	0.0511	566.5	100,100
165	0.1148	0.0867	0.0538	0.0765	0.1498	0.1642	0.1543	0.1243	160-165	0.0249	566.5	100,100
170	0.0436	0.0247	0.0261	0.0362	0.0847	0.0939	0.0722	0.0494	165-170	0.0101	566.5	100,100
175	0.0150	0.0147	0.0149	0.0147	0.0147	0.0207	0.0146	0.0144	170-175	0.0026	566.5	100,100
180	0.0004	0	0	0	0.0002	0.0005	0.0007	0.0005	175-180	0.0002	566.5	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  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:24.3%  
 Test Distance:1.900m [K=0.6239]  
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: R20-7-927-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	11666	11250
80	7713	7410
75	6623	6375
70	6223	6009
65	6083	5892
60	6046	5883
55	6063	5927
50	6112	6000
45	6187	6093

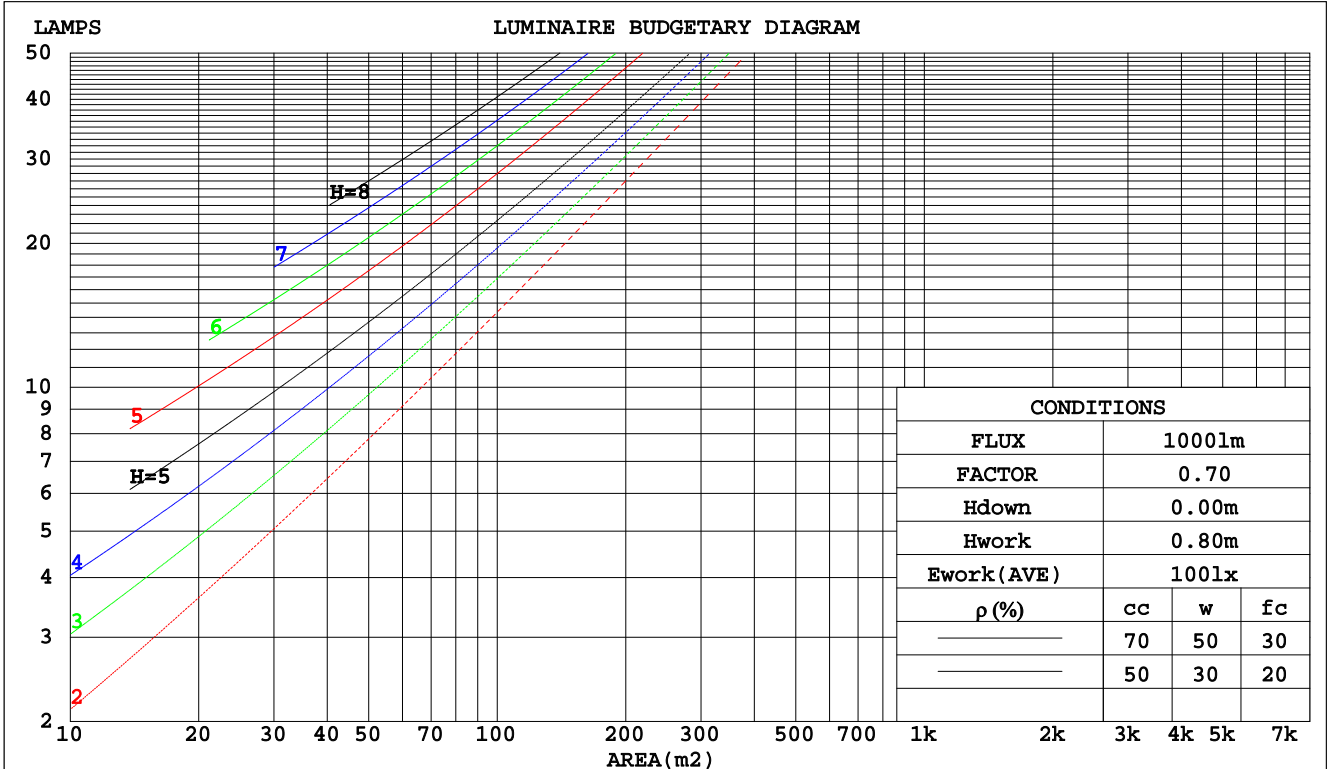
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 27.1DEG  
 Operators:  
 Test Date: 2020-02-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6239]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: R20-7-927-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
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	.96	.96	.96	.94
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	.73	.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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6239]  
 Remarks:

WEC AND CCEC

NAME: R20-7-927-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	.352	.200	.063	.343	.196	.062	.326	.187	.060	.310	.179	.057	.296	.172	.055	
2.0	.315	.172	.053	.306	.169	.052	.291	.162	.050	.277	.155	.049	.264	.149	.047	
3.0	.284	.151	.045	.277	.148	.045	.263	.143	.043	.250	.137	.042	.239	.132	.041	
4.0	.258	.134	.039	.252	.132	.039	.240	.127	.038	.228	.123	.037	.218	.118	.036	
5.0	.237	.121	.035	.231	.118	.034	.220	.114	.034	.209	.111	.033	.200	.107	.032	
6.0	.218	.109	.031	.213	.107	.031	.203	.104	.030	.193	.101	.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	.184	.090	.026	.175	.088	.025	.168	.085	.025	.161	.082	.024	
9.0	.175	.085	.024	.172	.084	.023	.164	.081	.023	.157	.079	.023	.151	.077	.022	
10.0	.165	.079	.022	.161	.078	.022	.154	.076	.021	.148	.073	.021	.142	.071	.020	

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	.240	.240	.240	.205	.205	.205	.140	.140	.140	.080	.080	.080	.026	.026	.026	
1.0	.233	.205	.181	.199	.176	.155	.136	.121	.107	.078	.070	.063	.025	.023	.020	
2.0	.225	.182	.145	.193	.156	.125	.132	.108	.088	.076	.063	.051	.024	.020	.017	
3.0	.217	.165	.123	.186	.142	.106	.128	.099	.075	.074	.058	.044	.024	.019	.014	
4.0	.210	.152	.107	.180	.131	.093	.124	.091	.066	.072	.053	.039	.023	.017	.013	
5.0	.202	.141	.097	.173	.122	.084	.119	.085	.059	.069	.050	.035	.022	.016	.012	
6.0	.194	.133	.089	.167	.115	.078	.115	.081	.055	.067	.048	.033	.022	.016	.011	
7.0	.187	.126	.084	.161	.110	.073	.111	.077	.052	.065	.045	.031	.021	.015	.010	
8.0	.181	.121	.079	.156	.105	.069	.108	.074	.049	.063	.043	.029	.020	.014	.010	
9.0	.175	.116	.076	.150	.100	.066	.104	.071	.047	.061	.042	.028	.020	.014	.009	
10.0	.169	.112	.073	.145	.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  
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γ Range: 0 - 180DEG  
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 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6239]  
 Remarks:

UGR(Unified Glare Rating) Table

NAME: R20-7-927-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	20.3	21.8	20.7	22.1	22.5				
3H	22.3	23.6	22.7	24.0	24.3	22.1	23.5	22.5	23.8	24.2				
4H	23.2	24.5	23.6	24.8	25.2	23.0	24.3	23.4	24.7	25.1				
6H	24.0	25.3	24.5	25.7	26.1	23.9	25.1	24.3	25.5	25.9				
8H	24.5	25.7	24.9	26.1	26.5	24.3	25.5	24.7	25.9	26.3				
12H	25.0	26.2	25.5	26.6	27.0	24.8	26.0	25.3	26.4	26.8				
4H 2H	21.1	22.4	21.5	22.7	23.1	21.0	22.3	21.4	22.7	23.1				
3H	23.1	24.2	23.5	24.7	25.1	23.0	24.1	23.4	24.5	25.0				
4H	24.1	25.2	24.6	25.6	26.1	24.0	25.1	24.5	25.5	26.0				
6H	25.2	26.2	25.7	26.6	27.1	25.1	26.0	25.5	26.5	27.0				
8H	25.8	26.7	26.3	27.1	27.7	25.6	26.5	26.1	27.0	27.5				
12H	26.4	27.2	26.9	27.7	28.3	26.2	27.0	26.7	27.5	28.1				
8H 4H	24.5	25.4	25.0	25.9	26.4	24.4	25.3	24.9	25.8	26.3				
6H	25.8	26.6	26.4	27.1	27.7	25.7	26.4	26.2	27.0	27.5				
8H	26.6	27.2	27.1	27.8	28.4	26.4	27.1	27.0	27.6	28.2				
12H	27.4	28.0	28.0	28.5	29.1	27.2	27.8	27.8	28.4	29.0				
12H 4H	24.6	25.4	25.1	25.9	26.4	24.5	25.3	25.0	25.8	26.3				
6H	26.0	26.6	26.5	27.2	27.8	25.9	26.5	26.4	27.1	27.6				
8H	26.8	27.4	27.4	27.9	28.6	26.7	27.2	27.2	27.8	28.4				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2								
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3								
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3								

CIE Pub.117, 566.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.0)

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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6239]  
 Remarks:



UTILIZATION FACTORS TABLE

NAME: R20-7-927-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle: /

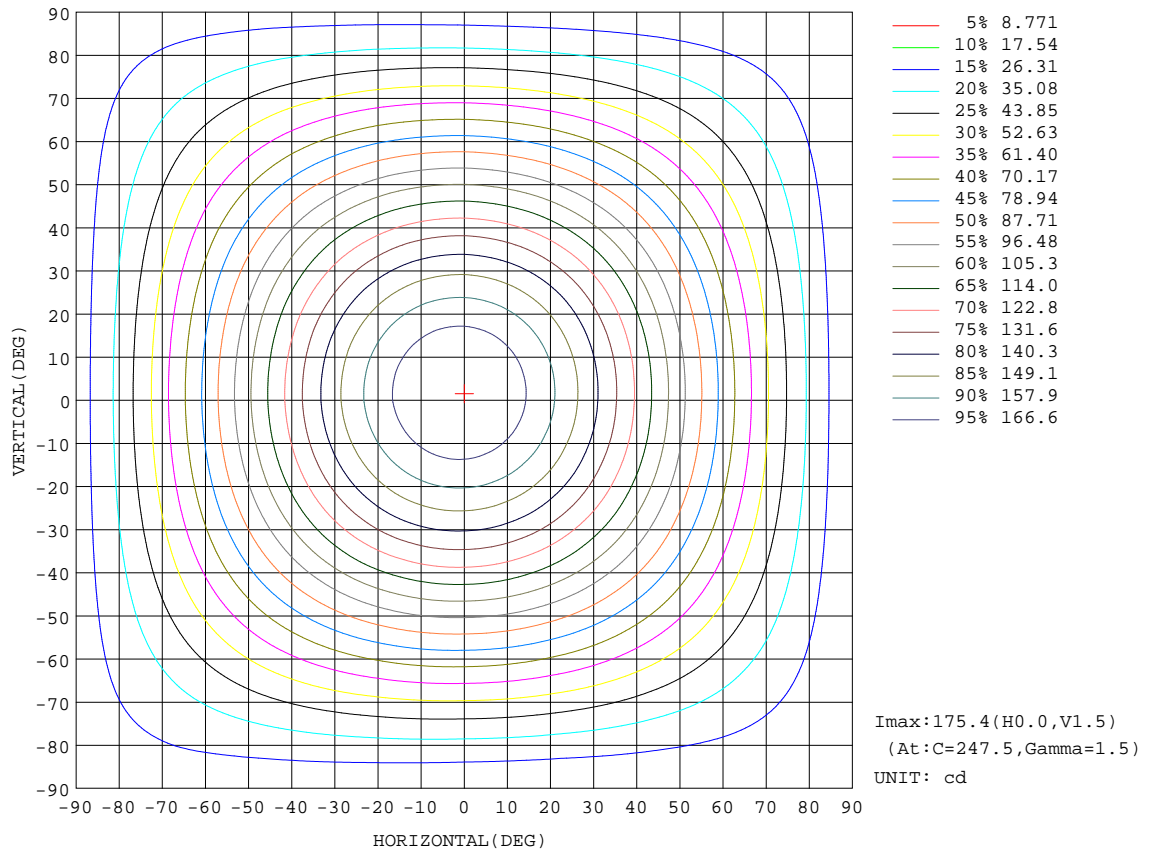
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	35	53	42	35	52	41	34	28
0.80	63	51	43	62	51	43	60	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				SHRNOM = 1.25			

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6239]  
 Remarks:

**ISOCANDELA DIAGRAM**

NAME: R20-7-927-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

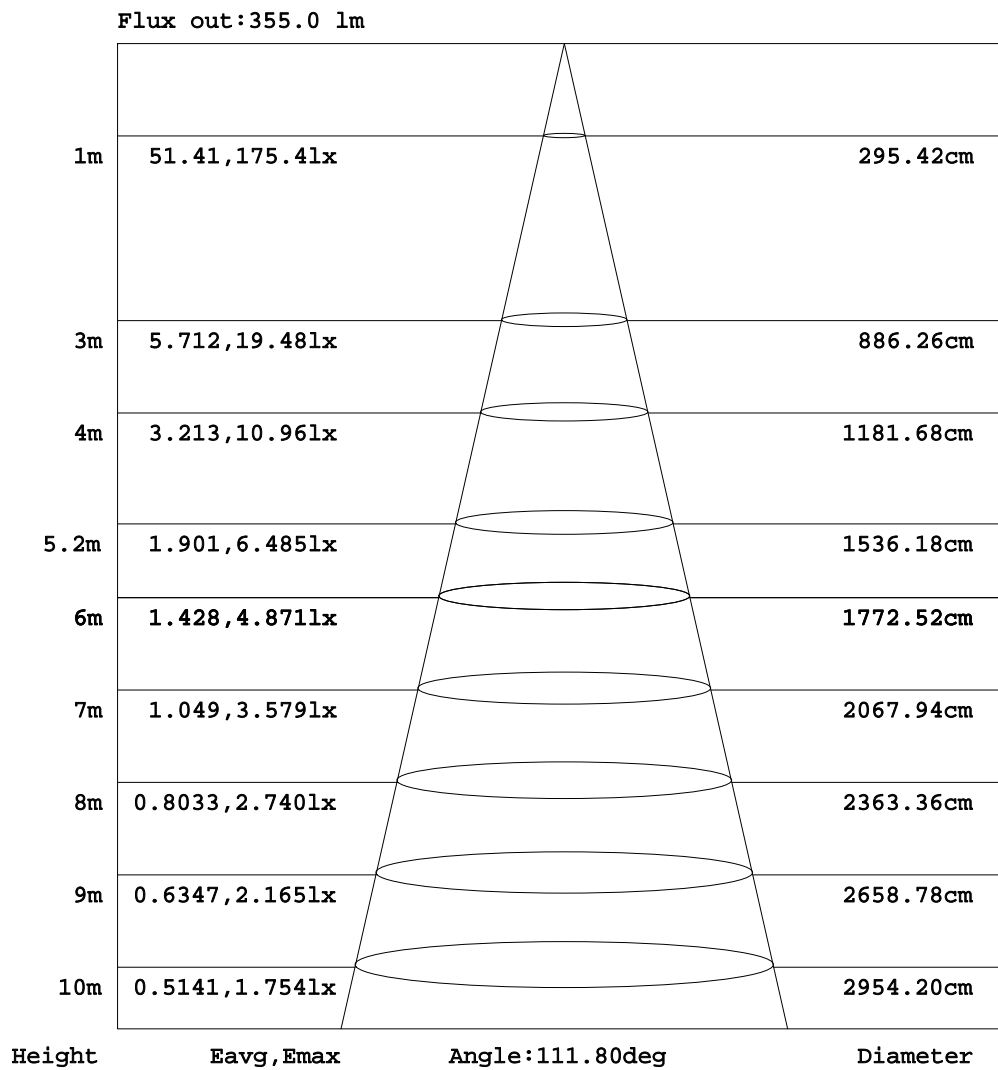


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 27.1DEG  
 Operators:  
 Test Date: 2020-02-26

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6239]  
 Remarks:

AAI Figure

NAME: R20-7-927-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle: /



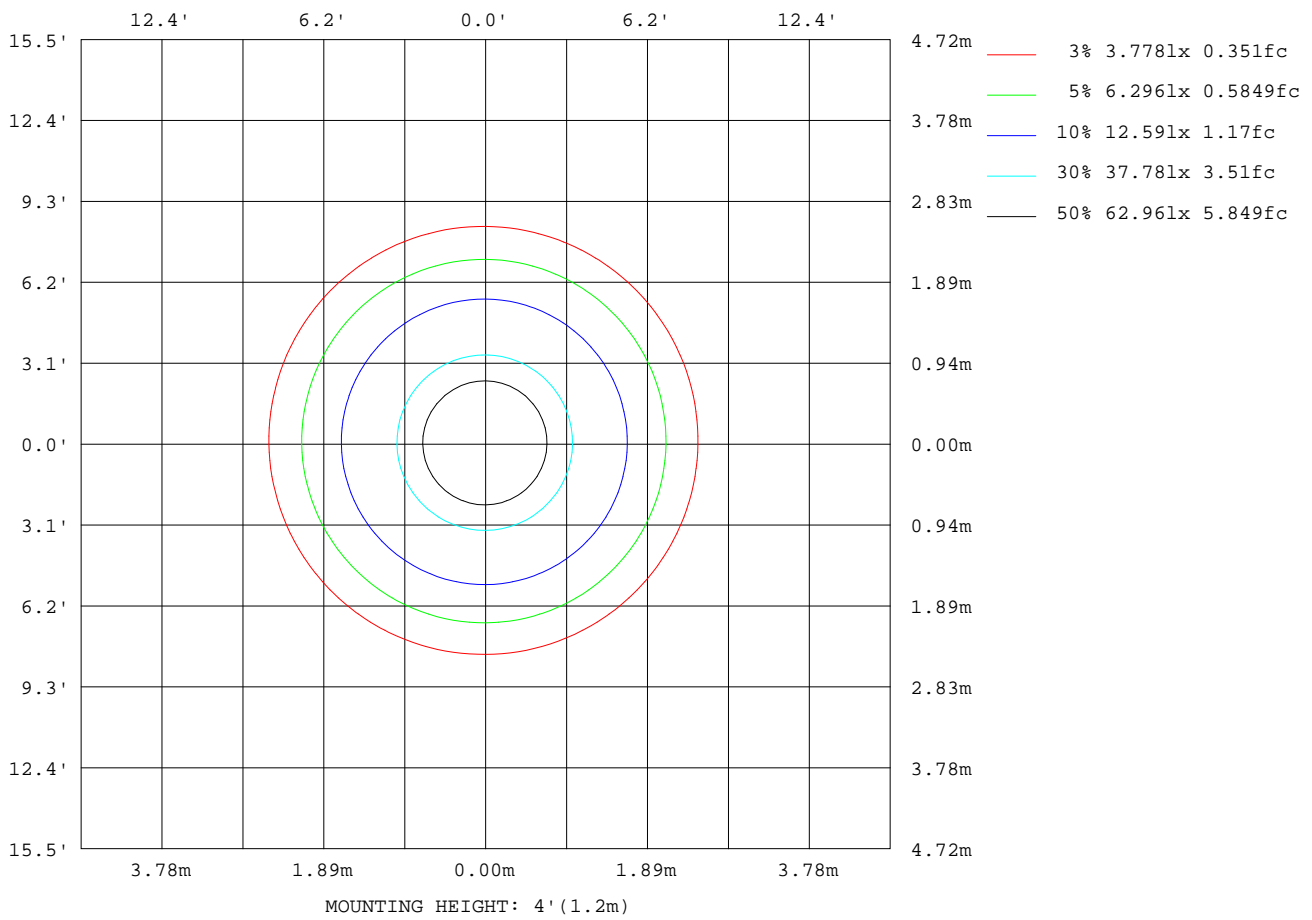
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6239]  
 Remarks:

**ISOLUX DIAGRAM**

NAME: R20-7-927-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 GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6239]  
 Remarks:

LED Avg.L Report

NAME: R20-7-927-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

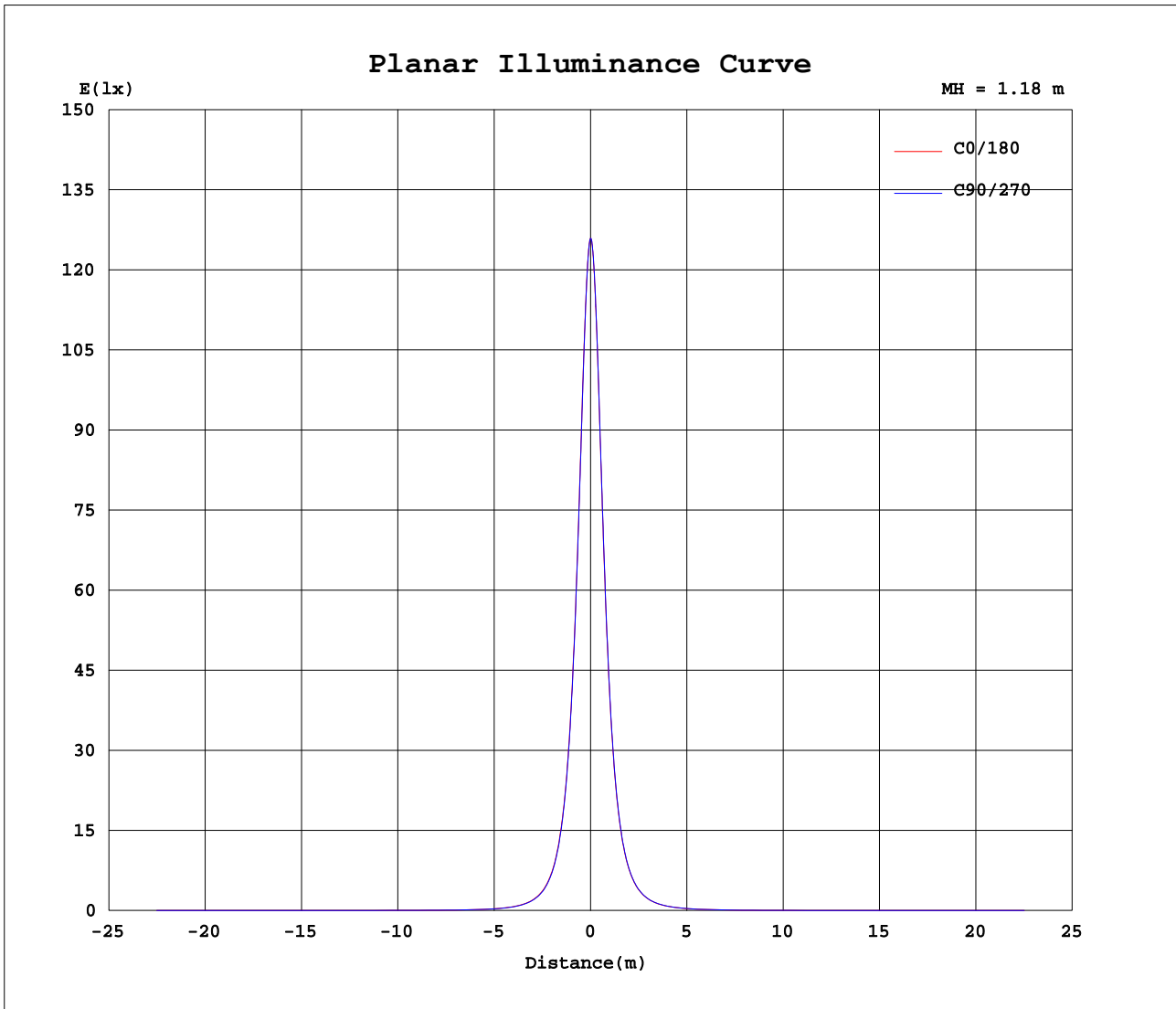
AvgL	cd/m2
L_0~180 (65) av	6294
L_0~180 (75) av	6939
L_0~180 (85) av	12411
L_90~270 (65) av	6246
L_90~270 (75) av	6871
L_90~270 (85) av	12297
L_45 (65) av	6269
L_45 (75) av	6906
L_45 (85) av	12343

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  
 Test System: EVERFINE GO-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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6239]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: R20-7-927-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	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175	175			
5	174	174	174	174	174	174	174	174	175	175	175	175	175	175	175	174			
10	171	170	170	170	170	171	171	172	172	173	173	173	173	172	172	171			
15	166	165	165	165	165	166	166	167	168	169	169	169	169	168	167	167			
20	159	158	158	158	158	159	160	161	163	163	164	164	163	162	161	160			
25	151	150	150	150	150	151	152	154	155	156	156	156	156	155	154	153			
30	142	141	140	140	141	142	143	145	147	148	148	148	148	147	145	144			
35	132	131	130	130	131	132	133	135	137	138	138	138	138	137	135	134			
40	122	120	120	120	120	121	123	124	126	127	128	128	128	127	125	123			
45	111	109	109	108	109	110	111	113	115	117	117	117	117	115	114	112			
50	99.2	98.0	97.3	97.1	97.4	98.5	100	102	104	105	106	106	105	104	103	101			
55	87.9	86.6	85.8	85.6	85.9	86.9	88.6	90.5	92.5	93.8	94.4	94.4	93.8	92.6	91.1	89.4			
60	76.4	75.1	74.3	74.0	74.3	75.4	77.0	79.0	80.9	82.2	82.7	82.7	82.1	80.9	79.5	77.9			
65	64.9	63.7	62.9	62.6	62.9	64.0	65.6	67.5	69.4	70.6	71.2	71.1	70.5	69.4	68.0	66.5			
70	53.8	52.6	51.9	51.6	51.9	53.0	54.6	56.4	58.2	59.3	59.8	59.7	59.0	57.9	56.7	55.3			
75	43.3	42.2	41.5	41.3	41.7	42.7	44.2	45.9	47.4	48.4	48.9	48.7	48.2	47.2	46.0	44.6			
80	33.8	32.9	32.3	32.2	32.5	33.5	34.8	36.3	37.6	38.4	38.8	38.7	38.2	37.2	36.2	35.0			
85	25.7	25.1	24.5	24.4	24.8	25.6	26.6	27.9	29.0	29.6	30.0	29.9	29.4	28.6	27.7	26.7			
90	19.2	18.6	18.2	18.2	18.5	19.1	20.0	20.9	21.8	22.3	22.6	22.5	22.1	21.5	20.7	19.9			
95	14.3	13.9	13.6	13.6	13.8	14.3	14.9	15.6	16.2	16.6	16.8	16.8	16.5	16.0	15.4	14.8			
100	10.9	10.6	10.4	10.4	10.5	10.8	11.3	11.8	12.2	12.5	12.7	12.7	12.4	12.1	11.6	11.2			
105	8.41	8.19	8.06	8.07	8.19	8.41	8.73	9.07	9.39	9.61	9.77	9.76	9.60	9.31	9.00	8.68			
110	6.52	6.34	6.25	6.25	6.35	6.53	6.78	7.04	7.28	7.47	7.59	7.60	7.47	7.24	6.98	6.73			
115	5.02	4.89	4.81	4.81	4.89	5.04	5.23	5.44	5.63	5.78	5.88	5.90	5.80	5.62	5.39	5.18			
120	3.84	3.73	3.67	3.66	3.73	3.85	4.01	4.17	4.30	4.42	4.51	4.53	4.46	4.30	4.12	3.96			
125	2.90	2.81	2.75	2.74	2.79	2.90	3.03	3.15	3.26	3.36	3.43	3.46	3.40	3.28	3.13	3.00			
130	2.14	2.06	2.01	1.99	2.03	2.12	2.23	2.33	2.42	2.51	2.57	2.60	2.55	2.46	2.33	2.22			
135	1.54	1.47	1.42	1.40	1.44	1.51	1.60	1.68	1.77	1.84	1.89	1.91	1.88	1.80	1.70	1.61			
140	1.07	1.02	0.97	0.95	0.97	1.03	1.10	1.18	1.25	1.31	1.36	1.37	1.35	1.29	1.20	1.14			
145	0.72	0.67	0.63	0.60	0.62	0.67	0.72	0.79	0.85	0.90	0.94	0.96	0.94	0.89	0.82	0.77			
150	0.47	0.43	0.39	0.36	0.36	0.39	0.44	0.50	0.55	0.59	0.62	0.64	0.63	0.59	0.54	0.50			
155	0.30	0.27	0.23	0.20	0.19	0.21	0.24	0.30	0.35	0.37	0.39	0.41	0.40	0.38	0.34	0.31			
160	0.19	0.18	0.15	0.13	0.10	0.10	0.13	0.18	0.22	0.23	0.25	0.25	0.25	0.23	0.21	0.19			
165	0.11	0.11	0.09	0.07	0.05	0.04	0.08	0.12	0.15	0.15	0.16	0.16	0.15	0.14	0.12	0.12			
170	0.04	0.03	0.02	0.03	0.03	0.02	0.04	0.06	0.08	0.09	0.09	0.09	0.07	0.06	0.05	0.05			
175	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.02	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  
 Test Speed: HIGH  
 Temperature: 27.1DEG  
 Operators:  
 Test Date: 2020-02-26

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 24.3%  
 Test Distance: 1.900m [K=0.6239]  
 Remarks: