

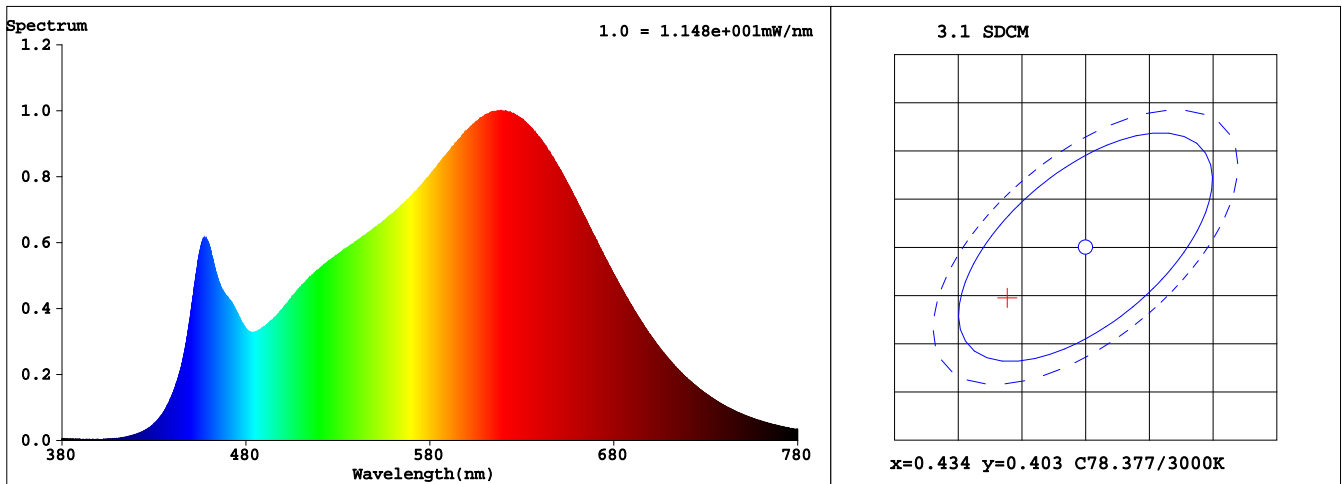
Spectrum Test Report

Sample	: R20-7-930-DIM	Date	: 2020-02-27 18:27:59
Specification	:	Sam. Status	:
Sample No.	:	Standard	: LM-79-08
Manufacturer	: RAB Lighting Inc	Instrument	: HaasSuite(EVERFINE)
Remark	:	Test by	:
Device SN	:		

Test Condition

Temperature	: 23.3Deg	RH	: 30.1%
WL Range	: 380nm-780nm	IP	: 46460 (71%)
Test Mode	: Fast Test	T	: 286 ms
Sensitivity	: High		

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4277$ $y = 0.3979$ / $u' = 0.2472$ $v' = 0.5176$ ($duv = -1.14e-03$)

CCT= 3111K Prcp WL: Ld=582.8nm Purity=47.8%

Peak WL: Lp=619nm FWHM: =164.4nm Ratio:R=23.9% G=72.6% B=3.5%

Render Index: Ra = 93.4

EEL: 0.12509 A+

R1 =95 R2 =100 R3 =97 R4 =92 R5 =94 R6 =96 R7 =90
R8 =82 R9 =64 R10=98 R11=94 R12=80 R13=97 R14=99 R15=91
LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

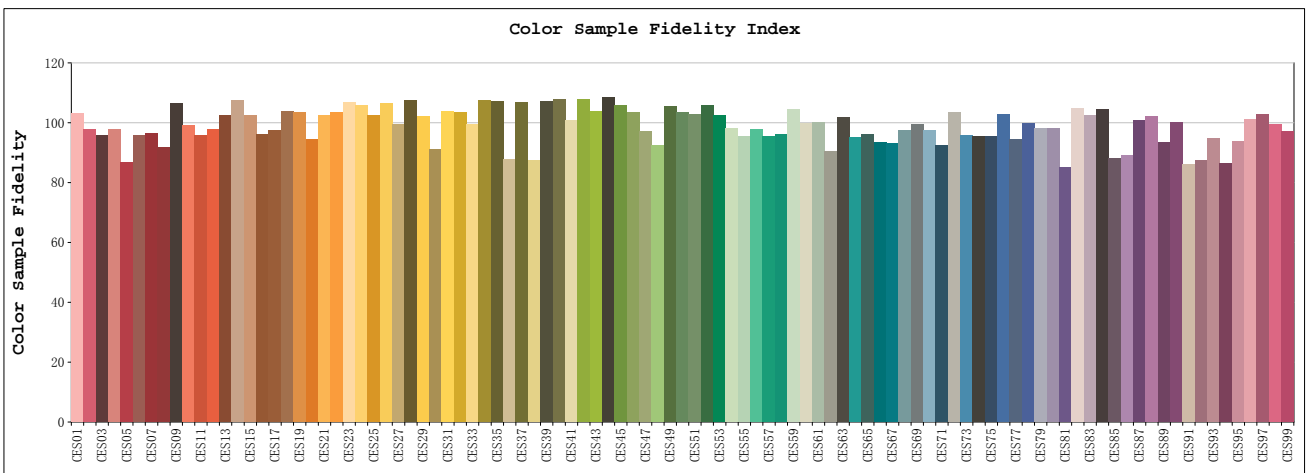
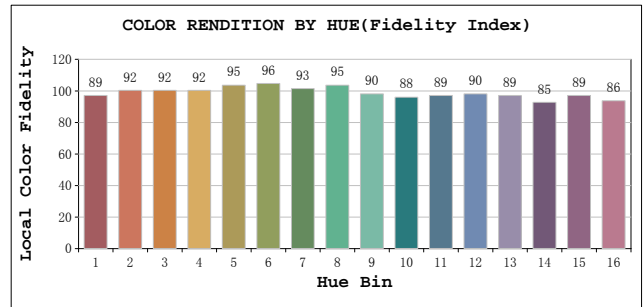
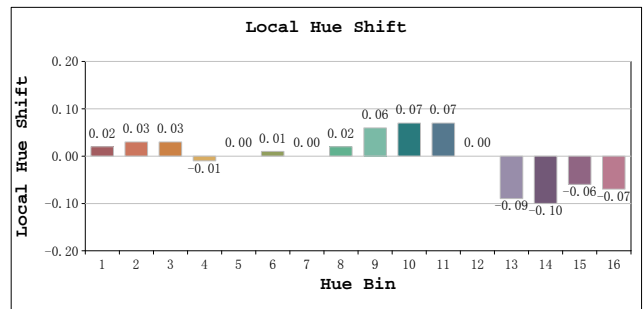
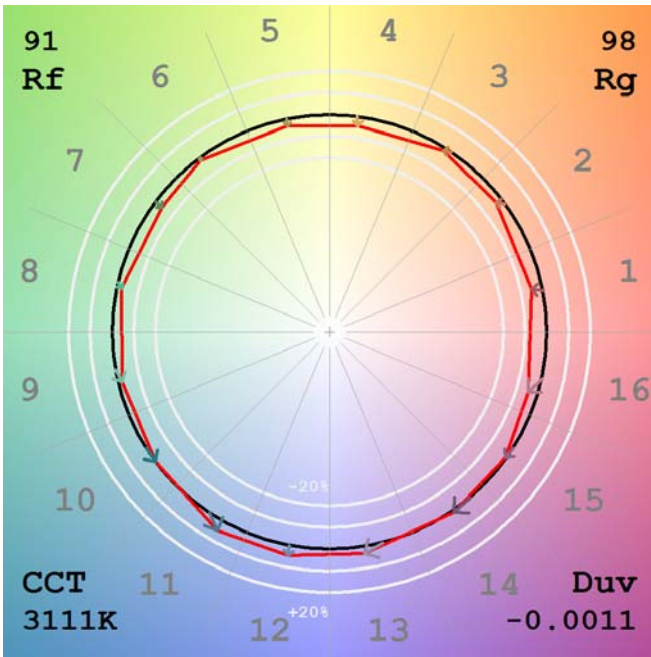
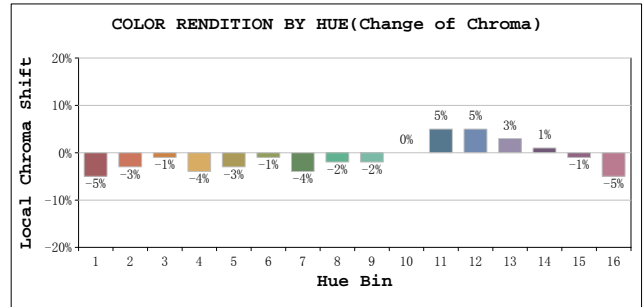
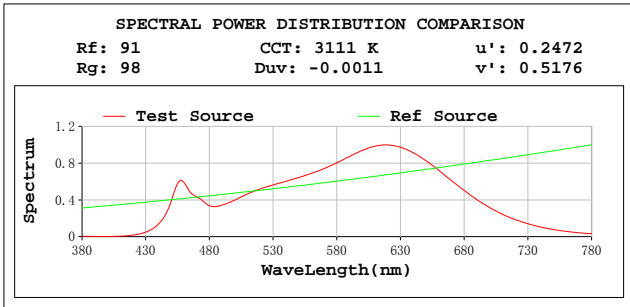
Flux = 584.05 lm Eff. : 93.60 lm/W Fe = 2.0307 W

Flux of emitted photons($\mu\text{mol/s}$):10.003 Fluo. and blue light ratio:8.217 Fluorescent eff.:268.1

Electrical parameters

V = 119.96 V I = 0.05630 A P = 6.240 W PF = 0.9239

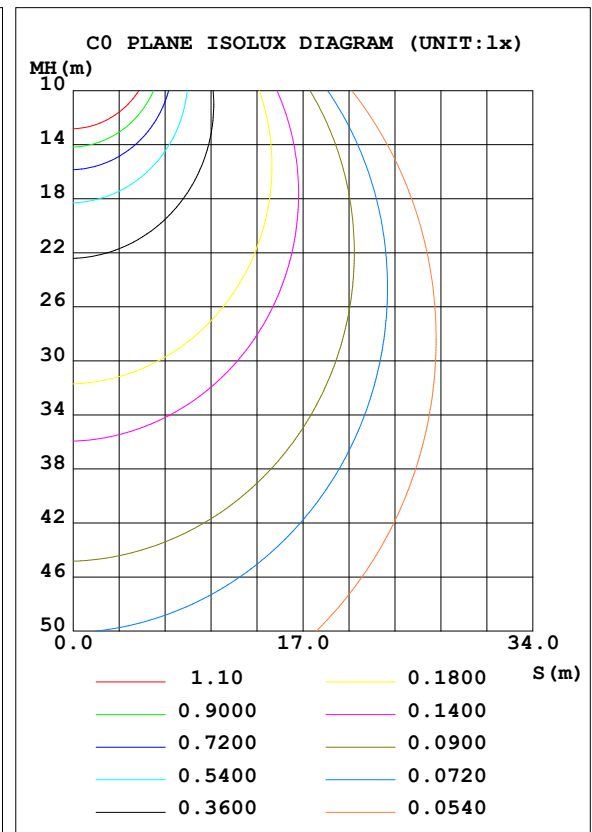
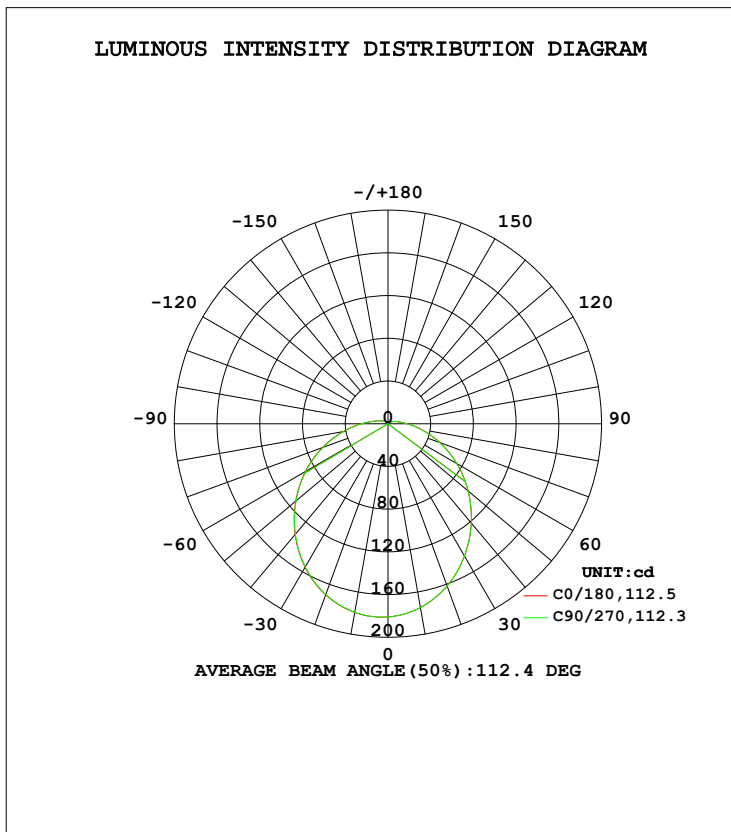
TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: R20-7-930-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 94.37 lm/W
MODEL	R20	I _{max} (cd)	181.5	S/MH (C0/180)	1.27	
NOMINAL POWER (W)	6.2	LOR (%)	100.0	S/MH (C90/270)	1.27	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	588.89	η UP, DN (C0-180)	2.9, 44.3	
NOMINAL FLUX (lm)	588.893	CIE CLASS	DIRECT	η UP, DN (C180-360)	3.7, 49.1	
LAMPS INSIDE	1	η up (%)	6.6	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	120	η down (%)	93.4	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:

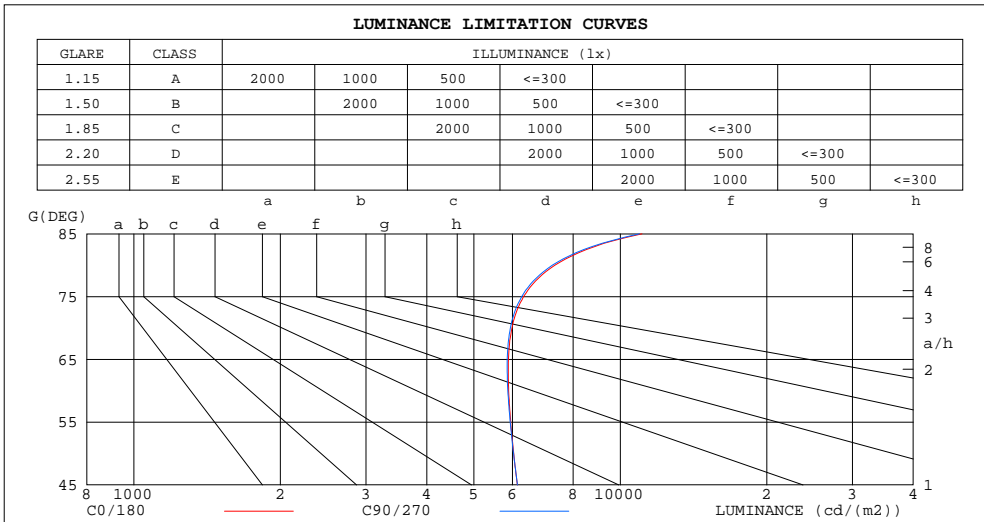
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	178.8	178.3	178.8	180.0	181.1	181.5	181.0	180.0	0- 5	4.313	4.313	0.73,0.73
10	174.8	173.8	174.8	177.1	179.4	180.2	179.2	177.1	5- 10	12.77	17.08	2.9,2.9
15	169.0	167.6	169.1	172.5	175.8	177.1	175.5	172.3	10- 15	20.73	37.81	6.42,6.42
20	161.7	159.9	161.7	166.2	170.5	172.2	170.1	166.0	15- 20	27.89	65.70	11.2,11.2
25	152.9	150.8	153.0	158.3	163.6	165.6	163.2	158.2	20- 25	34.00	99.70	16.9,16.9
30	143.1	140.7	143.2	149.2	155.3	157.5	154.8	149.0	25- 30	38.88	138.6	23.5,23.5
35	132.5	129.8	132.5	139.1	145.7	148.2	145.2	138.9	30- 35	42.41	181.0	30.7,30.7
40	121.3	118.4	121.4	128.3	135.3	138.0	134.9	128.1	35- 40	44.57	225.6	38.3,38.3
45	109.7	106.8	109.8	117.0	124.2	127.1	123.8	116.8	40- 45	45.36	270.9	46,46
50	98.01	94.99	97.96	105.4	112.8	115.7	112.4	105.2	45- 50	44.88	315.8	53.6,53.6
55	86.24	83.18	86.06	93.57	101.1	104.0	100.6	93.45	50- 55	43.21	359.0	61,61
60	74.45	71.44	74.18	81.61	89.18	92.07	88.62	81.48	55- 60	40.46	399.5	67.8,67.8
65	62.86	60.00	62.50	69.70	77.18	80.04	76.55	69.62	60- 65	36.78	436.3	74.1,74.1
70	51.71	49.12	51.34	58.09	65.26	67.97	64.56	57.89	65- 70	32.39	468.6	79.6,79.6
75	41.35	39.06	40.99	47.03	53.68	56.19	52.98	46.90	70- 75	27.54	496.2	84.3,84.3
80	32.18	30.23	31.79	36.96	42.86	45.10	42.21	36.86	75- 80	22.57	518.7	88.1,88.1
85	24.39	22.92	24.10	28.26	33.21	35.11	32.66	28.19	80- 85	17.83	536.6	91.1,91.1
90	18.21	17.02	17.97	21.13	25.06	26.60	24.67	21.14	85- 90	13.63	550.2	93.4,93.4
95	13.68	12.83	13.51	15.74	18.62	19.80	18.41	15.81	90- 95	10.20	560.4	95.2,95.2
100	10.51	9.901	10.38	11.94	13.94	14.78	13.83	12.02	95-100	7.606	568.0	96.5,96.5
105	8.192	7.718	8.076	9.238	10.66	11.24	10.62	9.341	100-105	5.730	573.7	97.4,97.4
110	6.372	5.993	6.270	7.176	8.268	8.718	8.272	7.283	105-110	4.340	578.1	98.2,98.2
115	4.919	4.620	4.827	5.544	6.400	6.754	6.426	5.655	110-115	3.262	581.3	98.7,98.7
120	3.766	3.522	3.675	4.246	4.904	5.193	4.943	4.335	115-120	2.414	583.8	99.1,99.1
125	2.839	2.626	2.744	3.204	3.729	3.958	3.782	3.301	120-125	1.749	585.5	99.4,99.4
130	2.084	1.909	1.984	2.359	2.790	2.979	2.856	2.475	125-130	1.235	586.7	99.6,99.6
135	1.490	1.342	1.391	1.693	2.041	2.202	2.121	1.823	130-135	0.8434	587.6	99.8,99.8
140	1.031	0.9015	0.9313	1.170	1.449	1.586	1.544	1.313	135-140	0.5534	588.1	99.9,99.9
145	0.6858	0.5707	0.5870	0.7684	0.9877	1.106	1.096	0.9263	140-145	0.3453	588.5	99.9,99.9
150	0.4353	0.3325	0.3424	0.4714	0.6378	0.7379	0.7582	0.6420	145-150	0.2025	588.7	100,100
155	0.2700	0.1691	0.1882	0.2662	0.3875	0.4701	0.5149	0.4443	150-155	0.1107	588.8	100,100
160	0.1773	0.0680	0.1110	0.1436	0.2236	0.2892	0.3488	0.3179	155-160	0.0569	588.8	100,100
165	0.1184	0.0361	0.0608	0.0663	0.1375	0.1878	0.2461	0.2376	160-165	0.0285	588.9	100,100
170	0.0616	0.0251	0.0266	0.0265	0.0790	0.1134	0.1595	0.1547	165-170	0.0130	588.9	100,100
175	0.0153	0.0150	0.0153	0.0152	0.0153	0.0160	0.0270	0.0219	170-175	0.0039	588.9	100,100
180	0.0005	0	0	0	0.0005	0.0007	0.0006	0.0007	175-180	0.0003	588.9	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: R20-7-930-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	11078	10946
80	7336	7248
75	6325	6270
70	5986	5942
65	5888	5855
60	5895	5873
55	5952	5940
50	6036	6033
45	6143	6145

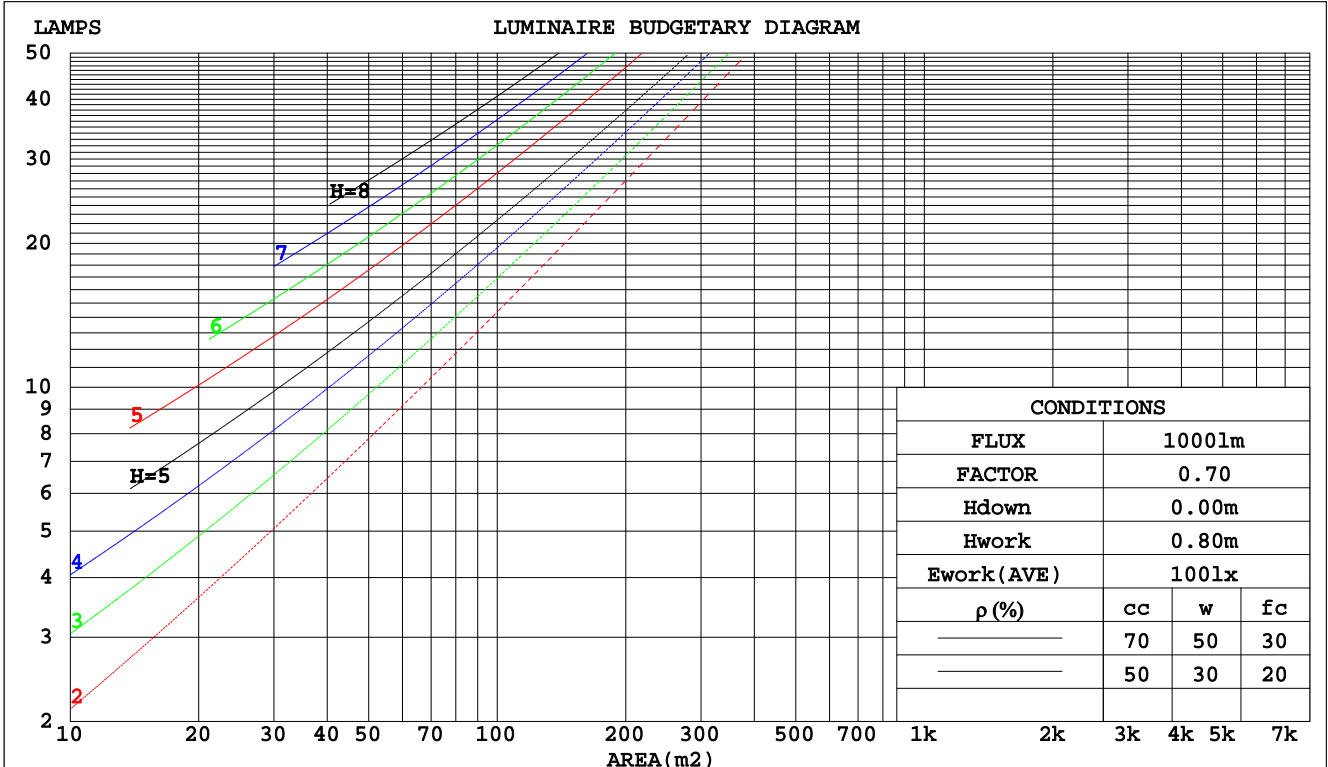
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 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.3%
 Test Distance: 1.900m [K=0.6239]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: R20-7-930-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	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.96	.96	.96	.93
1.0	1.00	.95	.91	.97	.93	.89	.92	.88	.85	.86	.83	.81	.82	.79	.77	.75
2.0	.86	.79	.73	.84	.77	.71	.79	.74	.69	.75	.70	.66	.71	.67	.64	.61
3.0	.75	.67	.60	.73	.65	.59	.69	.63	.57	.66	.60	.55	.62	.58	.53	.51
4.0	.67	.57	.50	.65	.56	.50	.61	.54	.48	.58	.52	.47	.55	.50	.46	.43
5.0	.59	.50	.43	.58	.49	.43	.55	.47	.42	.52	.46	.41	.50	.44	.40	.37
6.0	.53	.44	.38	.52	.43	.37	.50	.42	.36	.47	.41	.36	.45	.39	.35	.32
7.0	.48	.39	.33	.47	.39	.33	.45	.38	.32	.43	.36	.31	.41	.35	.31	.29
8.0	.44	.35	.30	.43	.35	.29	.41	.34	.29	.39	.33	.28	.38	.32	.28	.25
9.0	.40	.32	.27	.40	.32	.26	.38	.31	.26	.36	.30	.25	.35	.29	.25	.23
10.0	.37	.29	.24	.37	.29	.24	.35	.28	.23	.34	.27	.23	.32	.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: R20-7-930-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	.354	.201	.064	.344	.196	.062	.327	.188	.060	.311	.180	.058	.297	.172	.055	
2.0	.315	.173	.053	.307	.169	.052	.292	.162	.050	.278	.156	.049	.265	.150	.047	
3.0	.285	.151	.045	.277	.149	.045	.264	.143	.043	.251	.137	.042	.239	.132	.041	
4.0	.259	.134	.040	.252	.132	.039	.240	.127	.038	.228	.123	.037	.218	.118	.036	
5.0	.237	.121	.035	.231	.119	.035	.220	.115	.034	.210	.111	.033	.200	.107	.032	
6.0	.218	.109	.031	.213	.108	.031	.203	.104	.030	.194	.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	.176	.088	.025	.168	.085	.025	.161	.082	.024	
9.0	.176	.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	.241	.241	.241	.206	.206	.206	.140	.140	.140	.081	.081	.081	.026	.026	.026	
1.0	.234	.206	.181	.200	.177	.156	.137	.122	.108	.079	.070	.063	.025	.023	.020	
2.0	.226	.183	.146	.194	.157	.126	.133	.109	.088	.077	.063	.052	.025	.020	.017	
3.0	.218	.165	.123	.187	.143	.107	.129	.099	.075	.074	.058	.044	.024	.019	.014	
4.0	.211	.153	.108	.181	.132	.094	.124	.092	.066	.072	.054	.039	.023	.018	.013	
5.0	.203	.142	.098	.174	.123	.085	.120	.086	.060	.070	.051	.036	.022	.016	.012	
6.0	.195	.134	.090	.168	.116	.078	.116	.081	.056	.067	.048	.033	.022	.016	.011	
7.0	.188	.127	.085	.162	.110	.074	.112	.077	.052	.065	.046	.031	.021	.015	.010	
8.0	.182	.122	.080	.156	.105	.070	.108	.074	.050	.063	.044	.030	.020	.014	.010	
9.0	.176	.117	.077	.151	.101	.067	.105	.071	.048	.061	.042	.028	.020	.014	.009	
10.0	.170	.112	.074	.146	.098	.065	.102	.069	.046	.059	.041	.028	.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 GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 24.3%
 Test Distance: 1.900m [K=0.6239]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: R20-7-930-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	20.0	21.5	20.3	21.8	22.1	20.0	21.4	20.3	21.8	22.1				
3H	21.7	23.1	22.1	23.5	23.8	21.7	23.1	22.1	23.4	23.8				
4H	22.6	23.9	23.0	24.3	24.7	22.6	23.9	23.0	24.2	24.6				
6H	23.5	24.7	23.9	25.1	25.5	23.4	24.7	23.9	25.1	25.5				
8H	23.9	25.1	24.4	25.5	26.0	23.9	25.1	24.3	25.5	25.9				
12H	24.4	25.6	24.9	26.0	26.4	24.4	25.5	24.8	25.9	26.4				
4H 2H	20.6	21.9	21.0	22.3	22.6	20.6	21.9	21.0	22.2	22.6				
3H	22.5	23.7	23.0	24.1	24.6	22.5	23.7	23.0	24.1	24.5				
4H	23.6	24.6	24.0	25.1	25.5	23.5	24.6	24.0	25.0	25.5				
6H	24.6	25.6	25.1	26.0	26.5	24.6	25.5	25.1	26.0	26.5				
8H	25.2	26.0	25.7	26.5	27.1	25.1	26.0	25.6	26.5	27.0				
12H	25.8	26.6	26.3	27.1	27.6	25.7	26.5	26.3	27.0	27.6				
8H 4H	23.9	24.8	24.4	25.3	25.8	23.9	24.8	24.4	25.3	25.8				
6H	25.2	26.0	25.8	26.5	27.0	25.2	25.9	25.7	26.4	27.0				
8H	25.9	26.6	26.5	27.1	27.7	25.9	26.5	26.4	27.1	27.7				
12H	26.7	27.3	27.3	27.9	28.5	26.7	27.3	27.3	27.8	28.4				
12H 4H	24.0	24.8	24.5	25.3	25.9	24.0	24.8	24.5	25.3	25.8				
6H	25.4	26.0	25.9	26.6	27.2	25.3	26.0	25.9	26.5	27.1				
8H	26.2	26.7	26.7	27.3	27.9	26.1	26.7	26.7	27.3	27.9				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1								
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3								
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3								

CIE Pub.117, 588.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.8)

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: R20-7-930-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle: /

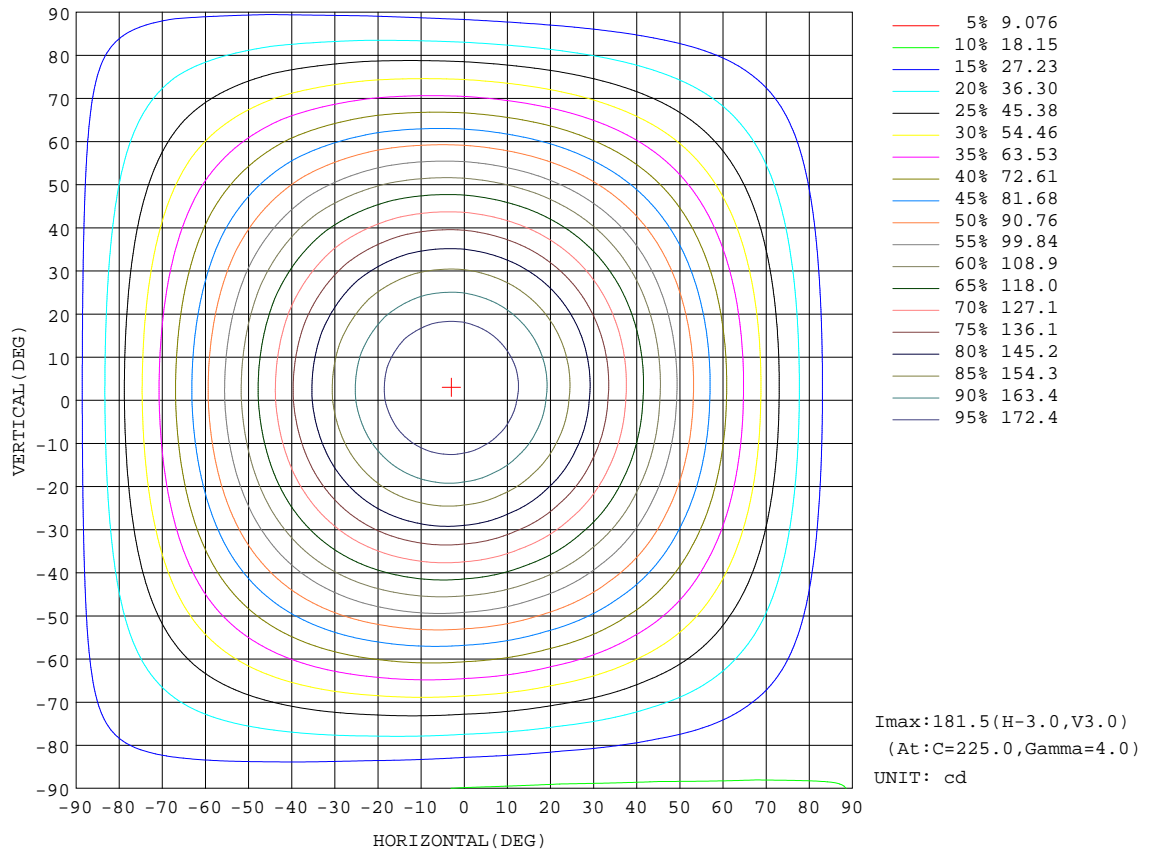
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	35	53	41	34	51	41	34	28
0.80	63	51	43	62	50	43	60	50	43	35
1.00	71	59	51	70	59	51	67	60	50	43
1.25	78	67	59	76	66	58	73	64	57	49
1.50	83	72	64	81	71	64	77	69	62	54
2.00	90	80	73	88	79	72	84	76	70	61
2.50	94	85	78	92	83	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	84	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

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:

ISOCANDELA DIAGRAM

NAME: R20-7-930-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle: /

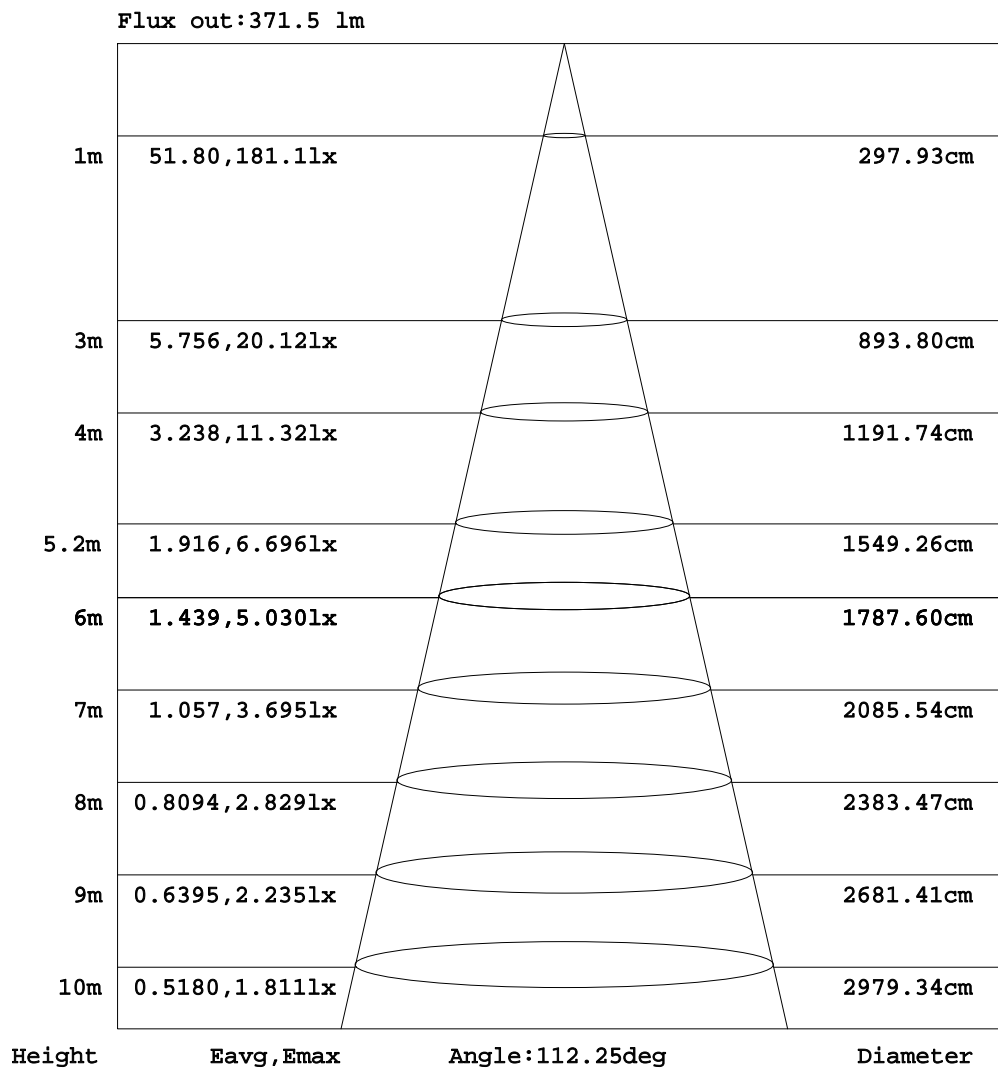


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1DEG
 Operators:
 Test Date: 2020-02-26

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: R20-7-930-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle: /



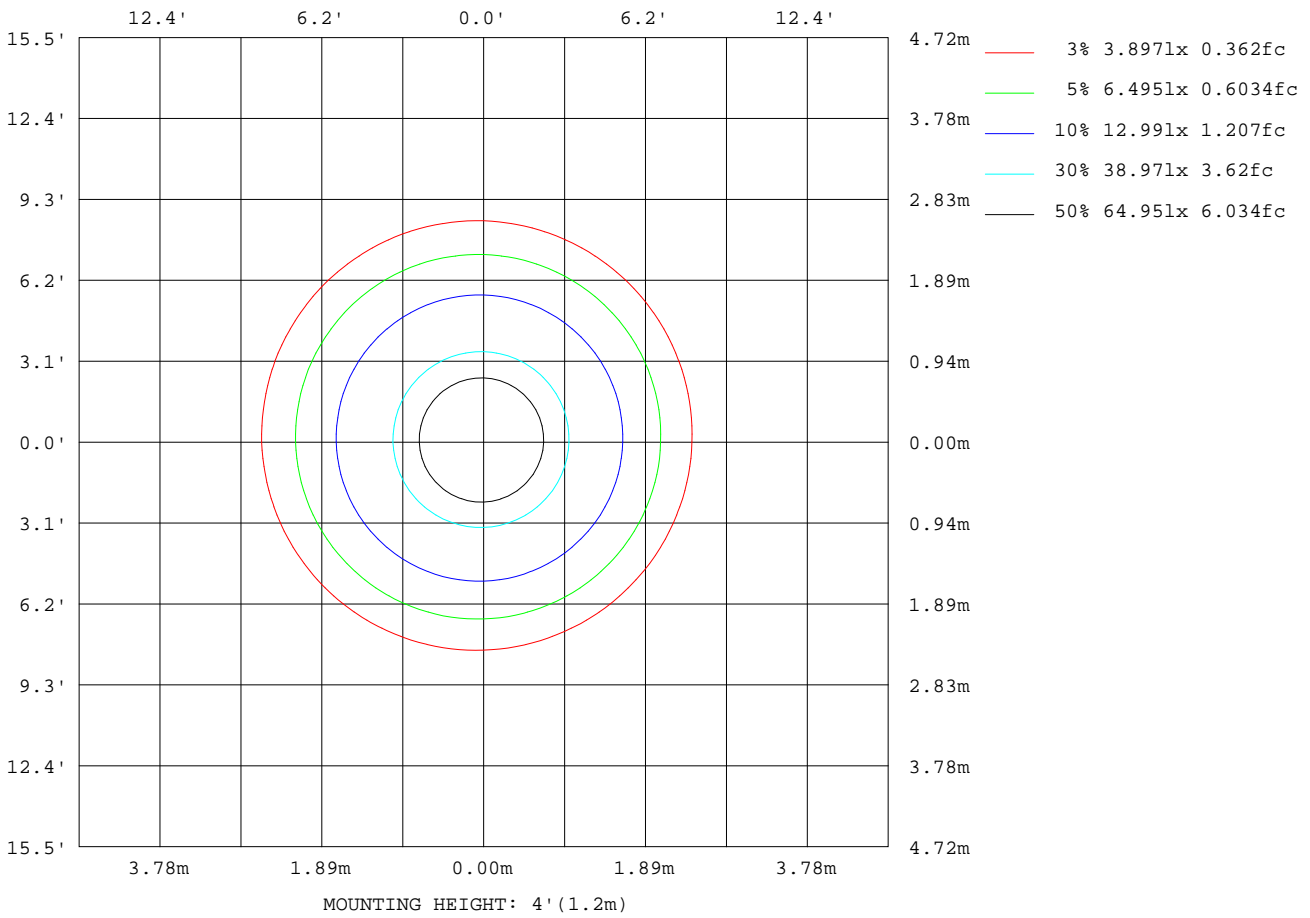
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: R20-7-930-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: R20-7-930-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle: /

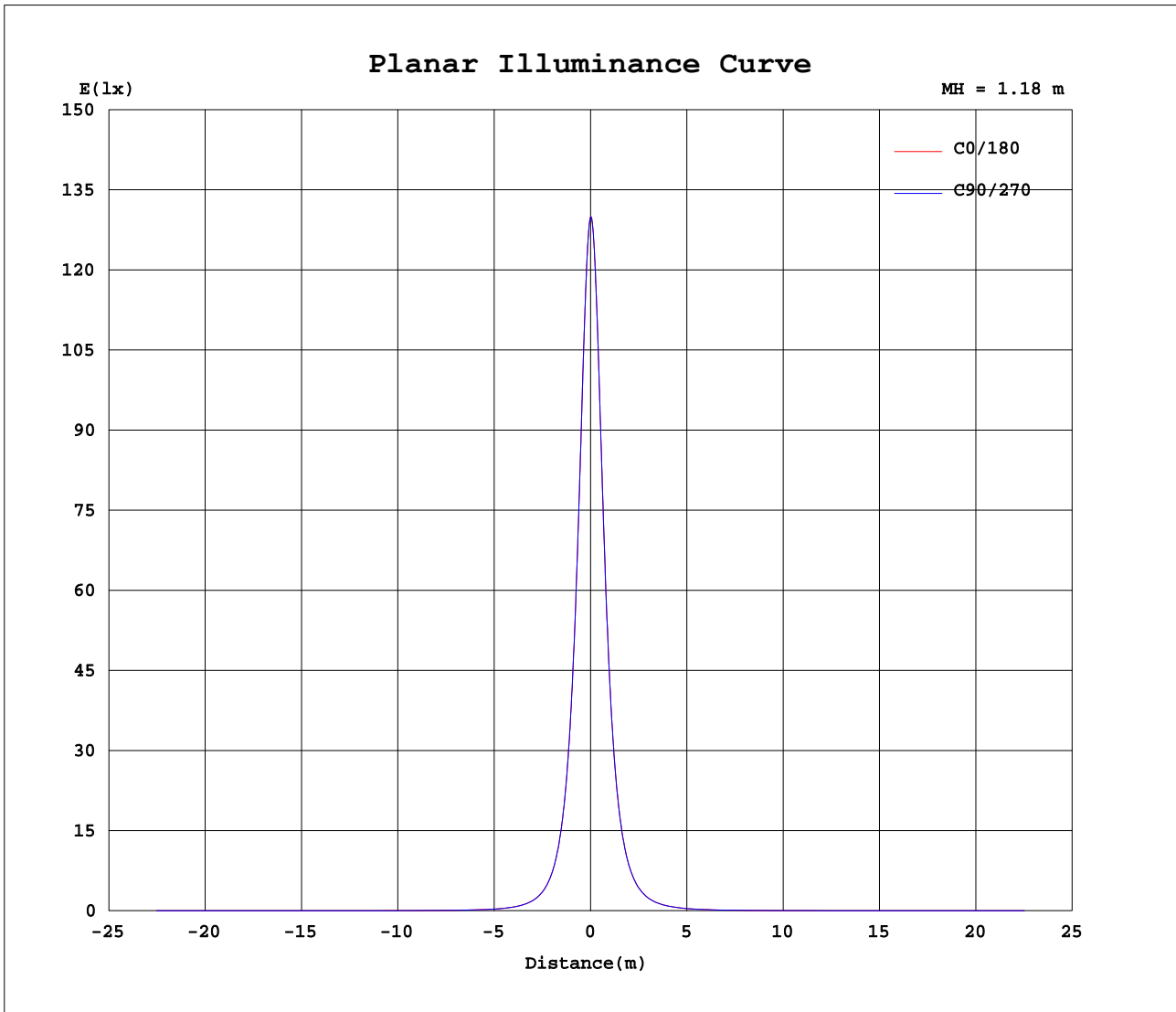
AvgL	cd/m2
L_0~180 (65) av	6559
L_0~180 (75) av	7268
L_0~180 (85) av	13080
L_90~270 (65) av	6513
L_90~270 (75) av	7187
L_90~270 (85) av	12891
L_45 (65) av	6542
L_45 (75) av	7234
L_45 (85) av	12999

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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: R20-7-930-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	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181			
5	179	178	178	178	179	179	180	181	181	181	182	181	181	180	180	179			
10	175	174	174	174	175	176	177	178	179	180	180	180	179	178	177	176			
15	169	168	168	168	169	171	172	174	176	177	177	177	176	174	172	171			
20	162	160	160	160	162	164	166	169	171	172	172	171	170	168	166	164			
25	153	151	151	151	153	155	158	161	164	165	166	165	163	161	158	156			
30	143	141	141	141	143	146	149	152	155	157	158	157	155	152	149	146			
35	132	131	130	130	133	136	139	143	146	148	148	147	145	142	139	136			
40	121	119	118	119	121	125	128	132	135	137	138	137	135	132	128	125			
45	110	108	107	108	110	113	117	121	124	126	127	126	124	121	117	113			
50	98.0	95.9	95.0	95.7	98.0	101	105	109	113	115	116	115	112	109	105	102			
55	86.2	84.1	83.2	83.8	86.1	89.5	93.6	97.6	101	103	104	103	101	97.2	93.4	89.7			
60	74.4	72.3	71.4	72.0	74.2	77.6	81.6	85.6	89.2	91.4	92.1	91.1	88.6	85.3	81.5	77.8			
65	62.9	60.8	60.0	60.5	62.5	65.8	69.7	73.6	77.2	79.4	80.0	79.0	76.5	73.3	69.6	66.1			
70	51.7	49.9	49.1	49.6	51.3	54.3	58.1	61.8	65.3	67.3	68.0	66.9	64.6	61.4	57.9	54.7			
75	41.4	39.8	39.1	39.4	41.0	43.7	47.0	50.5	53.7	55.6	56.2	55.2	53.0	50.1	46.9	43.9			
80	32.2	30.8	30.2	30.5	31.8	34.1	37.0	40.1	42.9	44.6	45.1	44.2	42.2	39.6	36.9	34.3			
85	24.4	23.3	22.9	23.0	24.1	25.8	28.3	30.8	33.2	34.7	35.1	34.3	32.7	30.5	28.2	26.1			
90	18.2	17.4	17.0	17.2	18.0	19.3	21.1	23.2	25.1	26.3	26.6	26.0	24.7	22.9	21.1	19.5			
95	13.7	13.1	12.8	13.0	13.5	14.5	15.7	17.2	18.6	19.5	19.8	19.4	18.4	17.1	15.8	14.6			
100	10.5	10.1	9.90	9.99	10.4	11.0	11.9	13.0	13.9	14.6	14.8	14.5	13.8	13.0	12.0	11.2			
105	8.19	7.87	7.72	7.78	8.08	8.58	9.24	9.98	10.7	11.1	11.2	11.1	10.6	10.0	9.34	8.71			
110	6.37	6.11	5.99	6.04	6.27	6.66	7.18	7.74	8.27	8.60	8.72	8.60	8.27	7.81	7.28	6.78			
115	4.92	4.71	4.62	4.65	4.83	5.13	5.54	5.99	6.40	6.66	6.75	6.67	6.43	6.07	5.65	5.24			
120	3.77	3.60	3.52	3.54	3.68	3.92	4.25	4.60	4.90	5.10	5.19	5.14	4.94	4.67	4.33	4.01			
125	2.84	2.70	2.63	2.63	2.74	2.94	3.20	3.49	3.73	3.89	3.96	3.92	3.78	3.57	3.30	3.04			
130	2.08	1.97	1.91	1.91	1.98	2.15	2.36	2.59	2.79	2.92	2.98	2.96	2.86	2.68	2.48	2.26			
135	1.49	1.39	1.34	1.33	1.39	1.52	1.69	1.88	2.04	2.15	2.20	2.19	2.12	1.99	1.82	1.64			
140	1.03	0.95	0.90	0.89	0.93	1.03	1.17	1.32	1.45	1.53	1.59	1.59	1.54	1.44	1.31	1.17			
145	0.69	0.61	0.57	0.56	0.59	0.66	0.77	0.88	0.99	1.05	1.11	1.12	1.10	1.03	0.93	0.81			
150	0.44	0.37	0.33	0.32	0.34	0.40	0.47	0.56	0.64	0.68	0.74	0.76	0.76	0.71	0.64	0.55			
155	0.27	0.20	0.17	0.16	0.19	0.22	0.27	0.33	0.39	0.42	0.47	0.50	0.51	0.49	0.44	0.37			
160	0.18	0.12	0.07	0.09	0.11	0.12	0.14	0.19	0.22	0.24	0.29	0.33	0.35	0.35	0.32	0.27			
165	0.12	0.07	0.04	0.05	0.06	0.07	0.07	0.10	0.14	0.15	0.19	0.22	0.25	0.25	0.24	0.20			
170	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.08	0.08	0.11	0.14	0.16	0.16	0.15	0.13			
175	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	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			

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