

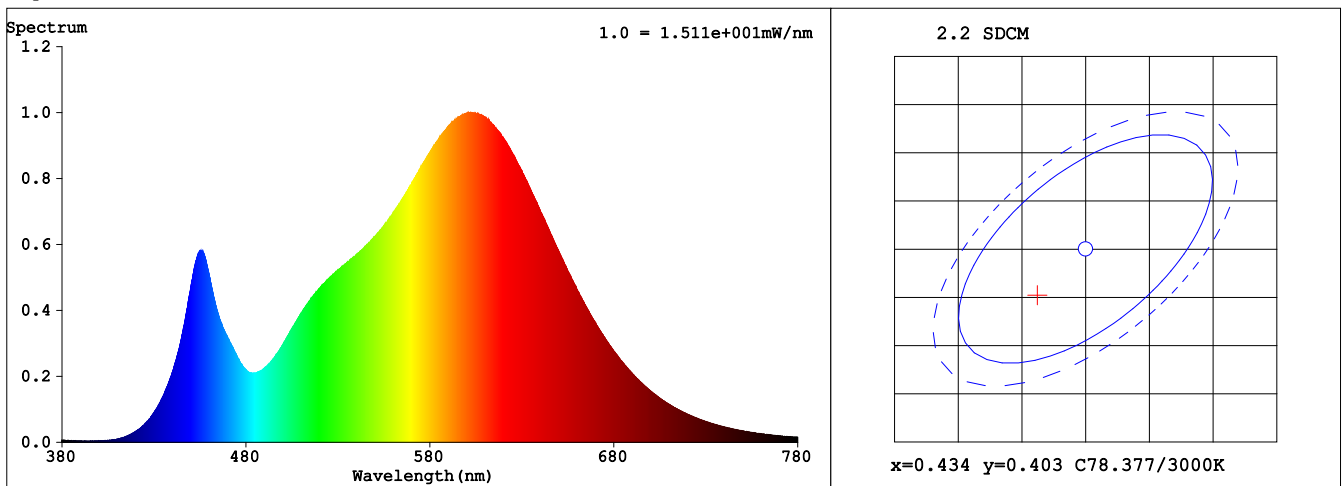
Spectrum Test Report

Sample	:	Date	: 2019-06-22 05:14:26
Specification	:	Sam. Status	:
Sample No.	: BR30-7.5-830-DIM	Standard	:
Manufacturer	: RAB Lighting Inc	Instrument	: HaasSuite(EVERFINE)
Remark	:	Test by	: huaWenJun (2M)

Test Condition

Temperature	: 25.5Deg	RH	: 30.1%
WL Range	: 380nm-780nm	IP	: 52361 (80%)
Test Mode	: Fast Test	T	: 236 ms
Sensitivity	: High		

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4301$ $y = 0.3984$ / $u' = 0.2486$ $v' = 0.5181$ ($duv = -1.31e-03$)

CCT= 3072K Prcp WL: $L_d = 583.0nm$ Purity=48.7%

Peak WL: $L_p = 601nm$ FWHM: =131.0nm Ratio:R=22.5% G=74.7% B=2.7%

Render Index: $R_a = 82.6$ TM30:Rf=82 Rg=96

R1 =81 R2 =92 R3 =96 R4 =80 R5 =81 R6 =89 R7 =82

R8 =59 R9 =8 R10=80 R11=78 R12=70 R13=84 R14=99 R15=74

LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

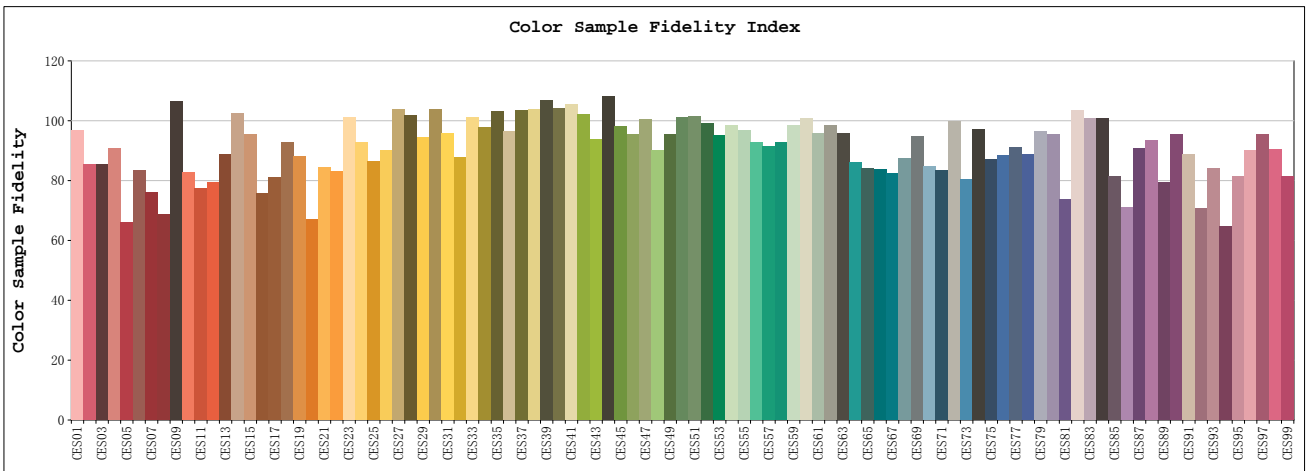
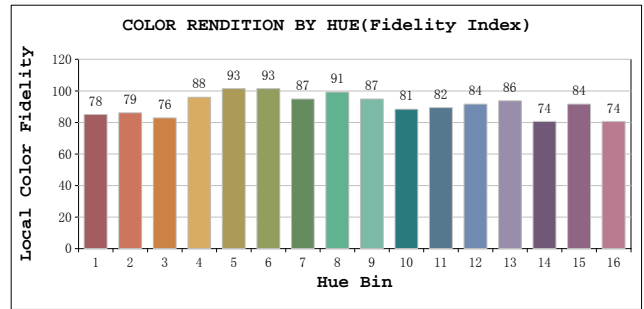
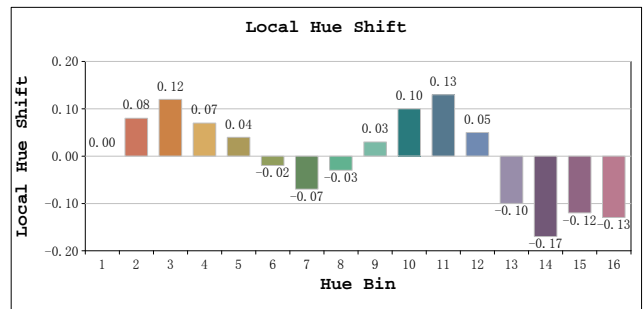
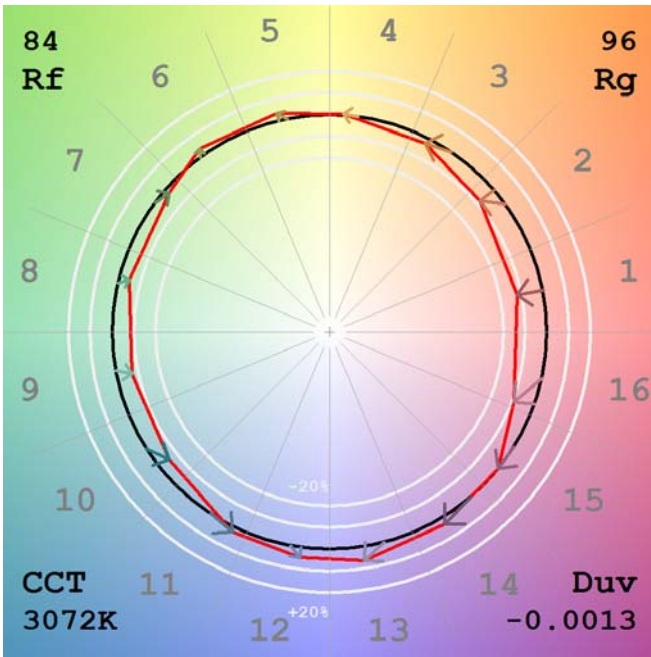
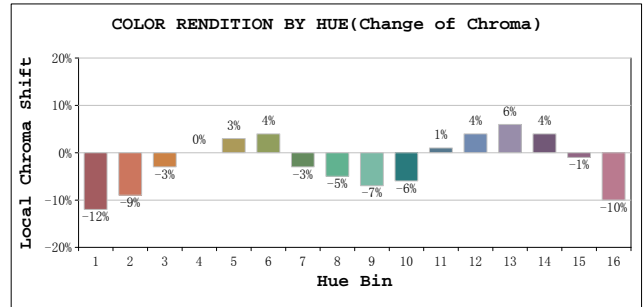
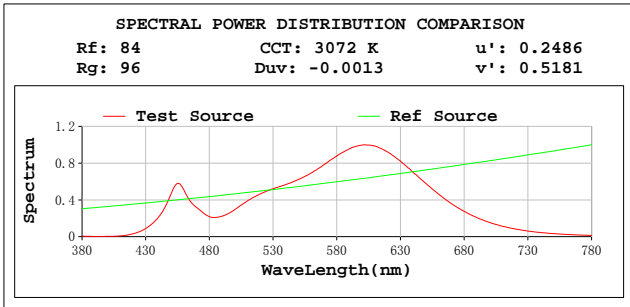
Flux = 747.34 lm Eff. : 106.76 lm/W Fe = 2.2854 W

Flux of emitted photons($\mu mol/s$):11.059 Fluo. and blue light ratio:7.203 Fluorescent eff.:266.9

Electrical parameters

V = 119.94 V I = 0.06270 A P = 7.000 W PF = 0.9308

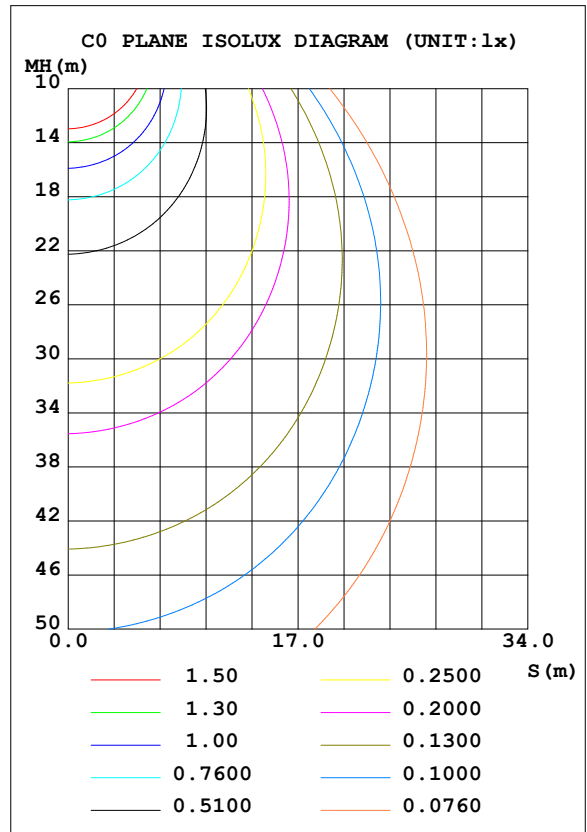
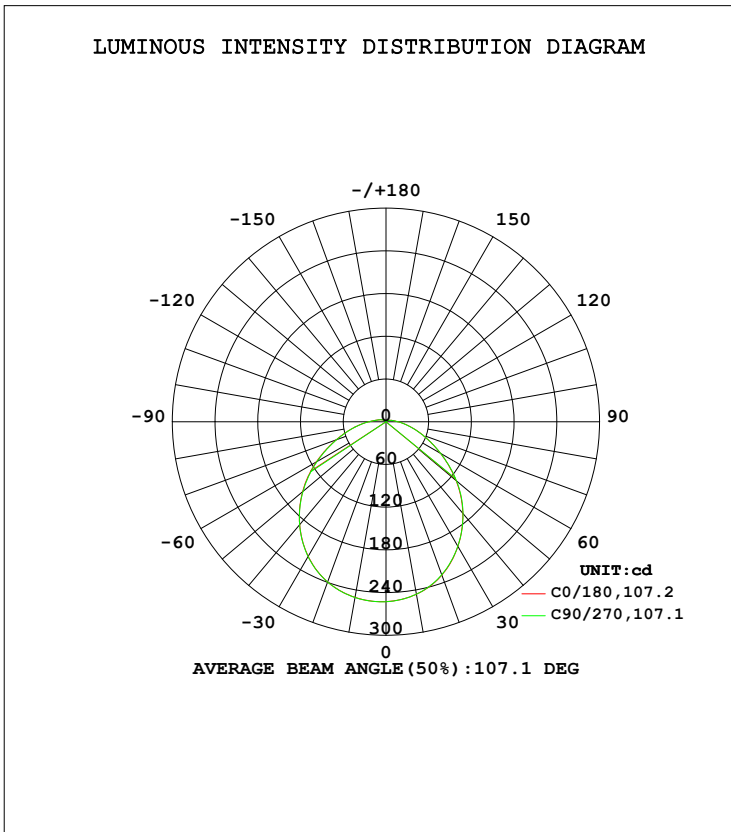
TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.0623A P:6.990W PF:0.9346 Freq:0Hz Lamp Flux:753.182x1 lm		
NAME: BR30-7.5-830-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 107.75 lm/W			
MODEL		I _{max} (cd)	253.2	S/MH (C0/180)	1.28
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	753.18	η UP, DN (C0-180)	2.3, 44.7
NOMINAL FLUX (lm)	753.182	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.9, 50.1
LAMPS INSIDE	1	η up (%)	5.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	94.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ZMB
 Test Date: 2019-06-21

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:

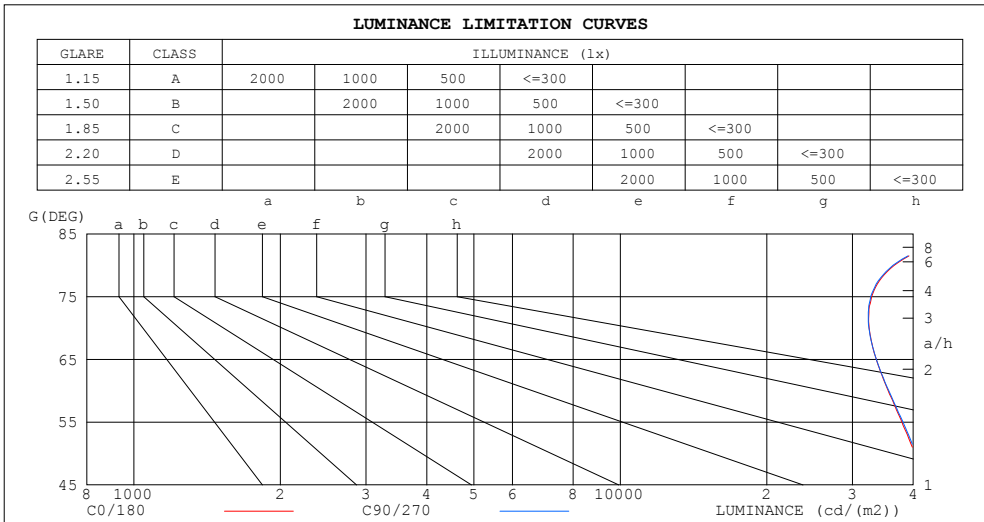
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	250.4	250.0	250.5	251.5	252.6	253.1	252.8	251.7	0- 5	6.029	6.029	0.80,0.80
10	246.0	245.0	245.9	248.2	250.5	251.4	250.7	248.5	5- 10	17.88	23.91	3.17,3.17
15	239.1	237.3	238.7	242.4	246.2	247.6	246.4	243.2	10- 15	29.12	53.03	7.04,7.04
20	229.2	226.8	228.8	234.1	239.5	241.4	239.7	235.1	15- 20	39.31	92.34	12.3,12.3
25	216.8	213.8	216.3	223.1	230.3	232.7	230.5	224.2	20- 25	48.02	140.4	18.6,18.6
30	202.0	198.7	201.8	209.7	218.5	221.6	218.7	210.8	25- 30	54.89	195.2	25.9,25.9
35	185.7	182.2	185.7	194.5	204.5	208.2	204.7	195.4	30- 35	59.69	254.9	33.8,33.8
40	167.9	164.4	168.4	178.0	188.7	192.9	188.8	178.3	35- 40	62.31	317.2	42.1,42.1
45	148.9	145.1	149.5	160.2	171.5	175.8	171.2	159.8	40- 45	62.70	379.9	50.4,50.4
50	128.6	124.4	129.3	141.1	153.0	157.3	152.3	140.0	45- 50	60.81	440.8	58.5,58.5
55	107.8	103.6	108.5	120.7	133.4	137.8	132.3	119.4	50- 55	56.75	497.5	66.1,66.1
60	88.12	83.90	88.38	100.2	112.9	117.4	111.9	99.07	55- 60	50.93	548.4	72.8,72.8
65	70.41	66.61	70.44	81.00	92.87	97.31	92.06	80.22	60- 65	44.04	592.5	78.7,78.7
70	55.08	51.80	55.04	64.12	74.52	78.50	73.92	63.63	65- 70	36.83	629.3	83.6,83.6
75	42.18	39.46	42.00	49.66	58.53	62.03	58.14	49.29	70- 75	29.88	659.2	87.5,87.5
80	31.52	29.33	31.34	37.48	44.77	47.77	44.47	37.23	75- 80	23.48	682.7	90.6,90.6
85	23.25	21.52	23.05	27.66	33.36	35.80	33.16	27.46	80- 85	17.87	700.5	93,93
90	17.03	15.95	16.92	20.19	24.43	26.26	24.26	20.06	85- 90	13.25	713.8	94.8,94.8
95	12.97	12.21	12.84	15.02	17.91	19.20	17.78	14.94	90- 95	9.763	723.5	96.1,96.1
100	10.22	9.658	10.10	11.61	13.61	14.51	13.56	11.61	95-100	7.335	730.9	97,97
105	8.157	7.705	8.055	9.237	10.72	11.39	10.72	9.259	100-105	5.659	736.5	97.8,97.8
110	6.519	6.143	6.421	7.378	8.585	9.127	8.583	7.413	105-110	4.408	740.9	98.4,98.4
115	5.178	4.861	5.091	5.877	6.867	7.315	6.871	5.915	110-115	3.412	744.4	98.8,98.8
120	4.077	3.806	4.003	4.654	5.475	5.848	5.478	4.675	115-120	2.605	747.0	99.2,99.2
125	3.170	2.932	3.104	3.652	4.311	4.624	4.315	3.675	120-125	1.953	748.9	99.4,99.4
130	2.414	2.202	2.361	2.830	3.372	3.628	3.379	2.850	125-130	1.432	750.3	99.6,99.6
135	1.799	1.607	1.759	2.149	2.605	2.813	2.614	2.177	130-135	1.022	751.4	99.8,99.8
140	1.300	1.130	1.273	1.605	1.979	2.146	1.992	1.629	135-140	0.7056	752.1	99.9,99.9
145	0.8925	0.7470	0.8814	1.164	1.475	1.605	1.490	1.189	140-145	0.4680	752.5	99.9,99.9
150	0.5632	0.4479	0.5736	0.8125	1.066	1.168	1.089	0.8353	145-150	0.2938	752.8	100,100
155	0.3154	0.2280	0.3484	0.5425	0.7442	0.8233	0.7720	0.5707	150-155	0.1718	753.0	100,100
160	0.1541	0.0917	0.2048	0.3546	0.5070	0.5628	0.5298	0.3865	155-160	0.0928	753.1	100,100
165	0.0900	0.0486	0.1284	0.2397	0.3475	0.3790	0.3603	0.2677	160-165	0.0475	753.1	100,100
170	0.0593	0.0342	0.0826	0.1712	0.2453	0.2609	0.2547	0.1936	165-170	0.0235	753.2	100,100
175	0.0182	0.0172	0.0232	0.0621	0.1291	0.1536	0.1421	0.0846	170-175	0.0093	753.2	100,100
180	0.0003	0.0005	0	0	0.0004	0.0005	0.0005	0.0004	175-180	0.0009	753.2	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZMB
 Test Date:2019-06-21

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:120.1V I:0.0623A P:6.990W PF:0.9346 Freq:0Hz Lamp Flux:753.182x1 lm		
NAME: BR30-7.5-830-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	53773	53319
80	36592	36383
75	32859	32720
70	32469	32444
65	33590	33602
60	35531	35637
55	37906	38120
50	40343	40568
45	42462	42638

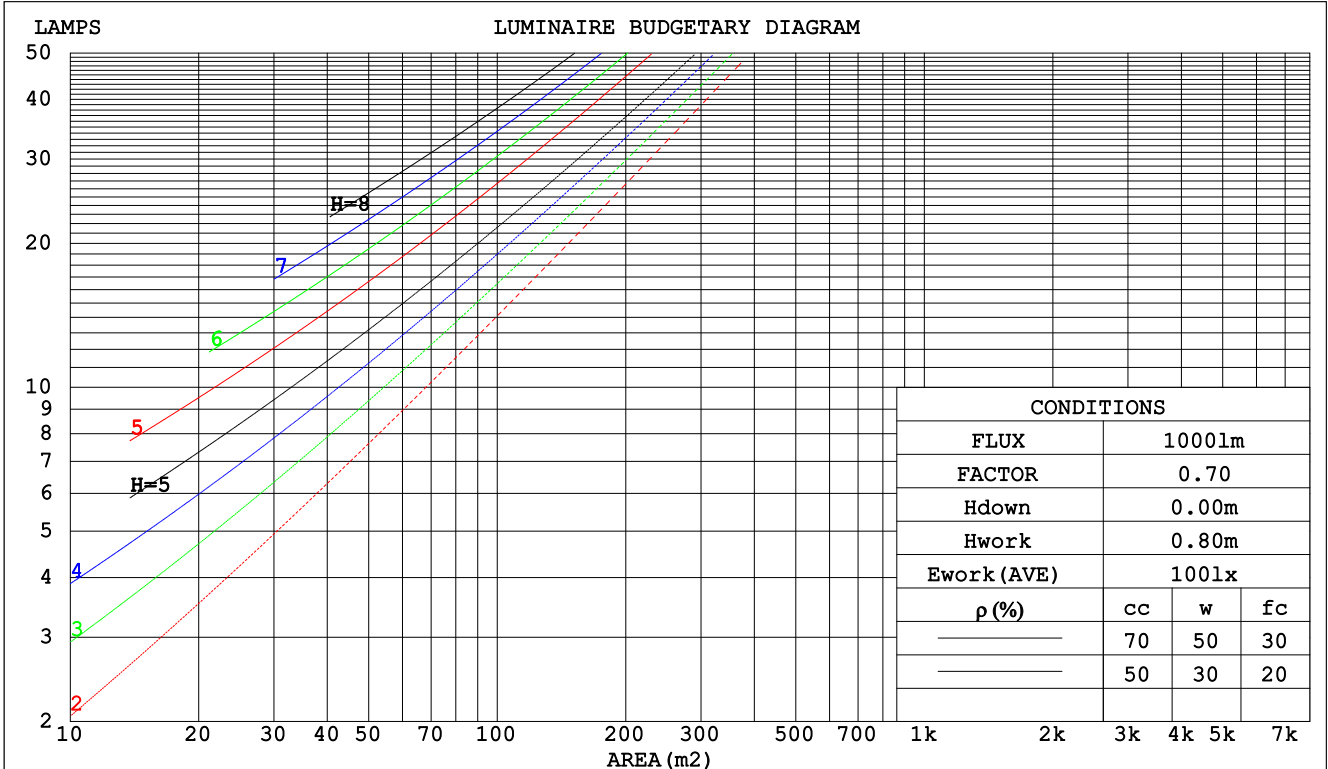
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZMB
 Test Date:2019-06-21

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.1V I:0.0623A P:6.990W PF:0.9346 Freq:0Hz Lamp Flux:753.182x1 lm		
NAME: BR30-7.5-830-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	1.02	.97	.93	.99	.95	.91	.94	.90	.87	.89	.86	.83	.84	.82	.80	.78
2.0	.88	.81	.75	.86	.80	.74	.82	.76	.72	.78	.73	.69	.74	.70	.67	.64
3.0	.78	.69	.63	.76	.68	.62	.72	.65	.60	.68	.63	.58	.65	.61	.57	.54
4.0	.69	.60	.53	.67	.59	.52	.64	.57	.51	.61	.55	.50	.58	.53	.49	.46
5.0	.62	.52	.46	.60	.52	.45	.57	.50	.44	.55	.48	.43	.52	.47	.42	.40
6.0	.55	.46	.40	.54	.46	.40	.52	.44	.39	.50	.43	.38	.48	.42	.37	.35
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.45	.39	.34	.44	.38	.33	.31
8.0	.46	.37	.32	.45	.37	.31	.43	.36	.31	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.34	.28	.41	.34	.28	.40	.33	.28	.38	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.29	.25	.34	.29	.24	.23



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZMB
 Test Date:2019-06-21

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:120.1V I:0.0623A P:6.990W PF:0.9346 Freq:0Hz Lamp Flux:753.182x1 lm		
NAME: BR30-7.5-830-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	.330	.188	.059	.321	.183	.058	.305	.175	.056	.290	.167	.054	.276	.160	.052	
2.0	.299	.164	.050	.292	.161	.050	.277	.154	.048	.264	.148	.046	.251	.142	.045	
3.0	.273	.145	.044	.266	.143	.043	.253	.137	.042	.241	.132	.041	.230	.127	.039	
4.0	.250	.130	.038	.244	.128	.038	.232	.123	.037	.222	.119	.036	.212	.115	.035	
5.0	.230	.117	.034	.225	.115	.034	.214	.112	.033	.205	.108	.032	.196	.105	.031	
6.0	.213	.107	.031	.208	.105	.030	.199	.102	.030	.190	.099	.029	.182	.096	.028	
7.0	.198	.098	.028	.193	.096	.027	.185	.094	.027	.177	.091	.026	.170	.088	.026	
8.0	.185	.090	.025	.181	.089	.025	.173	.086	.025	.166	.084	.024	.159	.082	.024	
9.0	.173	.084	.023	.169	.082	.023	.162	.080	.023	.156	.078	.022	.150	.076	.022	
10.0	.162	.078	.022	.159	.077	.021	.153	.075	.021	.147	.073	.021	.141	.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	.230	.230	.230	.197	.197	.197	.134	.134	.134	.077	.077	.077	.025	.025	.025	
1.0	.222	.196	.173	.190	.168	.149	.130	.116	.103	.075	.067	.060	.024	.022	.019	
2.0	.214	.172	.138	.183	.148	.119	.125	.103	.083	.072	.060	.049	.023	.019	.016	
3.0	.206	.155	.115	.176	.134	.099	.121	.093	.070	.070	.054	.041	.022	.018	.013	
4.0	.198	.142	.099	.170	.123	.086	.117	.085	.061	.068	.050	.036	.022	.016	.012	
5.0	.190	.132	.088	.163	.114	.077	.113	.080	.054	.065	.047	.032	.021	.015	.011	
6.0	.183	.123	.080	.157	.107	.070	.109	.075	.050	.063	.044	.029	.020	.014	.010	
7.0	.176	.116	.075	.152	.101	.065	.105	.071	.046	.061	.042	.027	.020	.014	.009	
8.0	.170	.111	.070	.146	.096	.061	.101	.067	.043	.059	.040	.026	.019	.013	.009	
9.0	.164	.106	.067	.141	.092	.058	.098	.065	.041	.057	.038	.025	.018	.013	.008	
10.0	.158	.102	.064	.136	.088	.056	.095	.062	.040	.055	.037	.024	.018	.012	.008	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZMB
 Test Date:2019-06-21

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:120.1V I:0.0623A P:6.990W PF:0.9346 Freq:0Hz Lamp Flux:753.182x1 lm										
NAME: BR30-7.5-830-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	25.9	24.8	26.2	26.5	24.5	25.9	24.8	26.2	26.5
3H	25.9	27.2	26.2	27.5	27.9	25.9	27.2	26.2	27.5	27.9
4H	26.5	27.8	26.9	28.1	28.5	26.5	27.8	26.9	28.1	28.5
6H	27.2	28.4	27.6	28.7	29.1	27.2	28.4	27.6	28.7	29.1
8H	27.5	28.7	27.9	29.0	29.4	27.5	28.7	27.9	29.0	29.4
12H	27.9	29.0	28.3	29.4	29.8	27.9	29.0	28.3	29.4	29.8
4H 2H	24.9	26.2	25.3	26.6	26.9	24.9	26.2	25.3	26.6	26.9
3H	26.5	27.6	27.0	28.0	28.4	26.5	27.6	27.0	28.0	28.4
4H	27.3	28.4	27.8	28.8	29.2	27.3	28.4	27.8	28.8	29.2
6H	28.2	29.1	28.6	29.5	30.0	28.2	29.1	28.6	29.5	30.0
8H	28.6	29.5	29.1	29.9	30.4	28.6	29.4	29.1	29.9	30.4
12H	29.1	29.9	29.6	30.4	30.9	29.1	29.9	29.6	30.3	30.9
8H 4H	27.6	28.5	28.1	28.9	29.4	27.6	28.5	28.1	28.9	29.4
6H	28.7	29.4	29.2	29.9	30.4	28.7	29.4	29.2	29.9	30.4
8H	29.3	29.9	29.8	30.4	31.0	29.2	29.9	29.8	30.4	31.0
12H	29.9	30.5	30.5	31.0	31.6	29.9	30.5	30.5	31.0	31.6
12H 4H	27.7	28.4	28.2	28.9	29.4	27.7	28.4	28.2	28.9	29.4
6H	28.8	29.4	29.3	29.9	30.5	28.8	29.4	29.3	29.9	30.5
8H	29.4	30.0	30.0	30.5	31.1	29.4	30.0	30.0	30.5	31.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				

CIE Pub.117, 753.2 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.0)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZMB
 Test Date:2019-06-21

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:120.1V I:0.0623A P:6.990W PF:0.9346 Freq:0Hz Lamp Flux:753.182x1 lm		
NAME: BR30-7.5-830-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

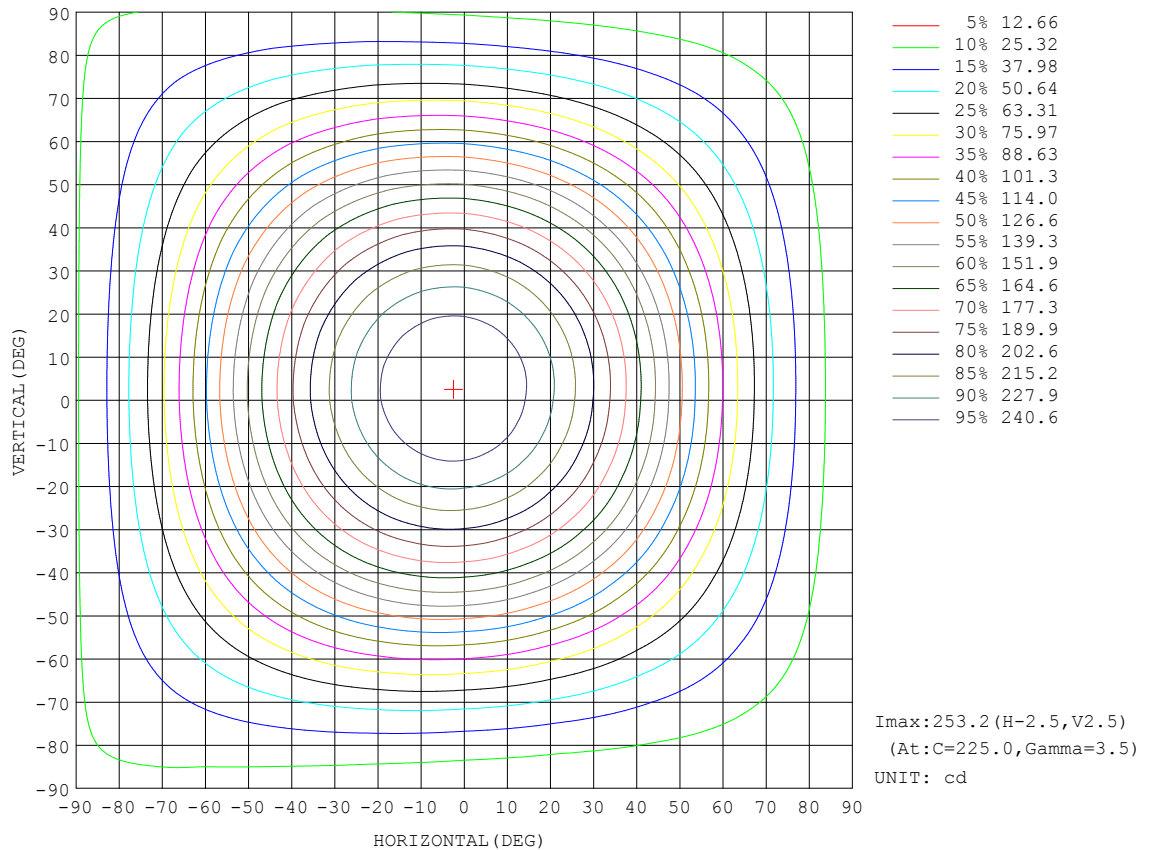
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	43	37	31
0.80	66	54	46	64	53	46	62	52	46	39
1.00	74	62	55	72	62	54	70	63	54	46
1.25	81	70	62	79	69	62	76	67	61	53
1.50	85	75	68	84	74	67	80	72	66	58
2.00	92	83	76	90	82	75	86	79	73	65
2.50	96	88	81	94	86	80	89	83	78	68
3.00	100	92	86	97	90	85	92	87	82	72
4.00	104	97	92	101	95	90	96	91	87	77
5.00	106	101	96	103	98	94	98	94	90	80
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:ZMB
 Test Date:2019-06-21

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:120.1V I:0.0623A P:6.990W PF:0.9346 Freq:0Hz Lamp Flux:753.182x1 lm		
NAME: BR30-7.5-830-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

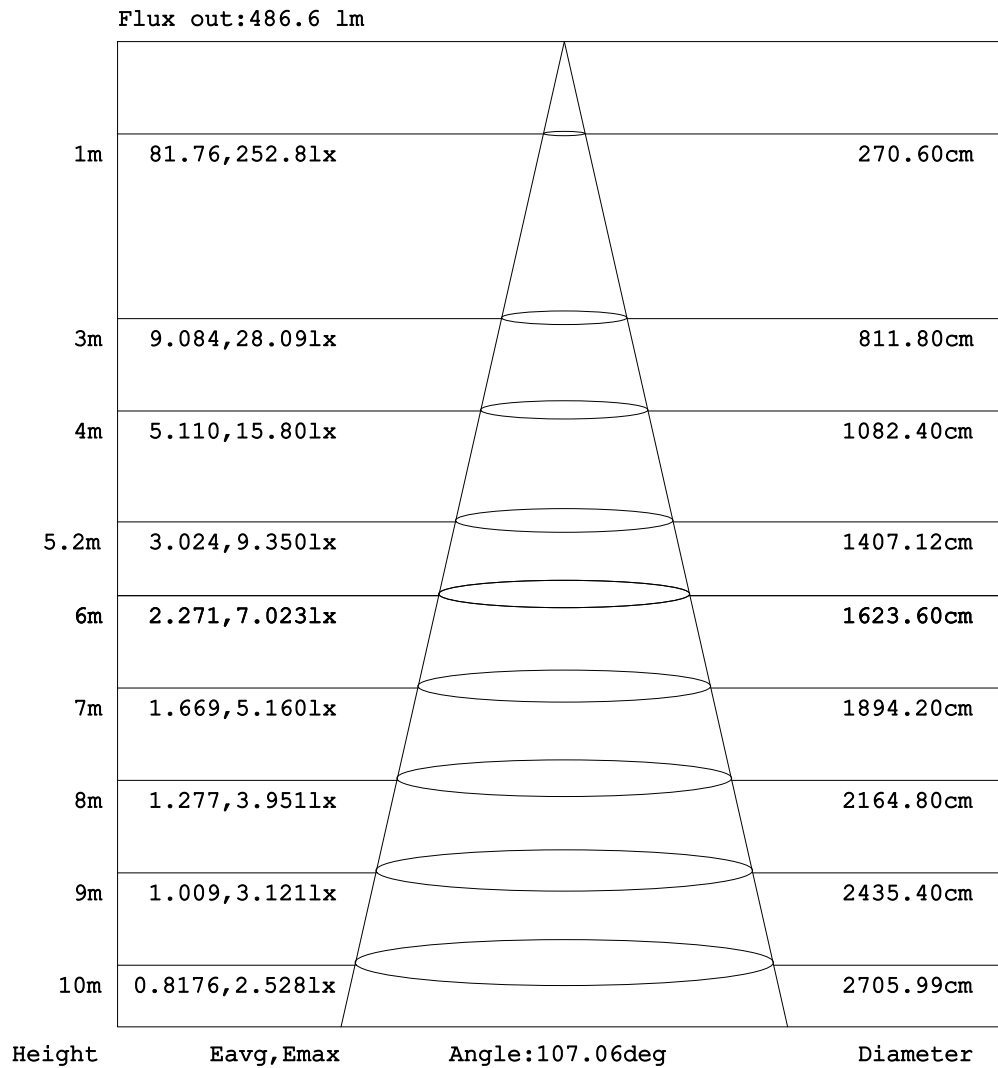


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZMB
 Test Date:2019-06-21

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:120.1V I:0.0623A P:6.990W PF:0.9346 Freq:0Hz Lamp Flux:753.182x1 lm		
NAME: BR30-7.5-830-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



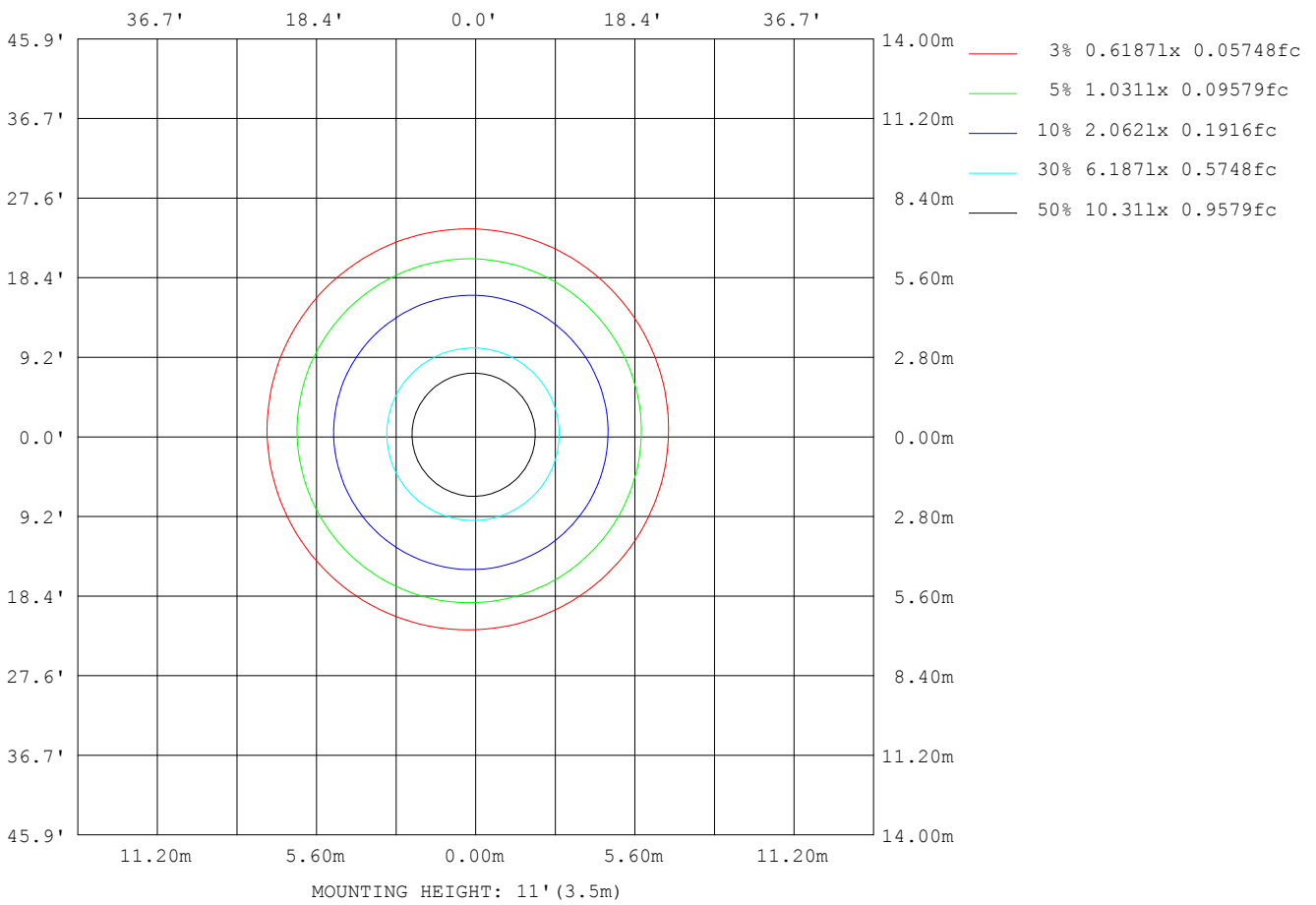
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZMB
 Test Date:2019-06-21

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:120.1V I:0.0623A P:6.990W PF:0.9346 Freq:0Hz Lamp Flux:753.182x1 lm		
NAME: BR30-7.5-830-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:ZMB
 Test Date:2019-06-21

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:120.1V I:0.0623A P:6.990W PF:0.9346 Freq:0Hz Lamp Flux:753.182x1 lm		
NAME: BR30-7.5-830-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

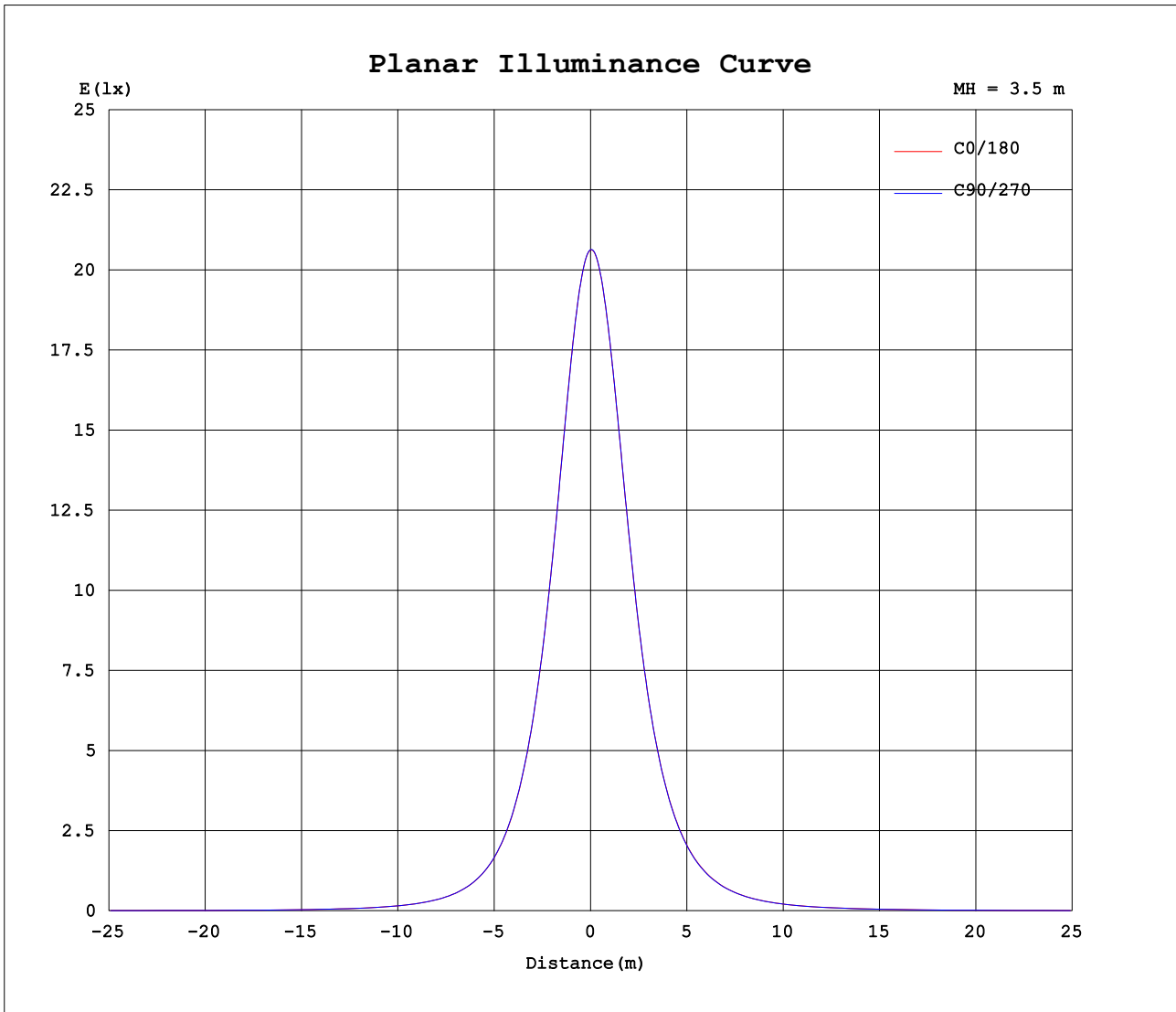
AvgL	cd/m2
L_0~180 (65) av	38946
L_0~180 (75) av	39226
L_0~180 (85) av	65475
L_90~270 (65) av	38759
L_90~270 (75) av	39005
L_90~270 (85) av	65012
L_45 (65) av	38778
L_45 (75) av	39033
L_45 (85) av	65025

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZMB
Test Date:2019-06-21

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: ZMB
 Test Date: 2019-06-21

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:120.1V I:0.0623A P:6.990W PF:0.9346 Freq:0Hz Lamp Flux:753.182x1 lm		
NAME: BR30-7.5-830-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	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253			
5	250	250	250	250	251	251	252	252	253	253	253	253	253	252	252	251			
10	246	245	245	245	246	247	248	249	250	251	251	251	251	250	249	247			
15	239	238	237	238	239	240	242	244	246	247	248	247	246	245	243	241			
20	229	227	227	227	229	231	234	237	240	241	241	241	240	238	235	232			
25	217	215	214	214	216	219	223	227	230	232	233	232	230	228	224	221			
30	202	200	199	199	202	205	210	214	218	221	222	221	219	215	211	206			
35	186	183	182	183	186	190	195	200	204	207	208	207	205	200	195	190			
40	168	165	164	165	168	173	178	183	189	192	193	192	189	184	178	173			
45	149	146	145	146	150	154	160	166	171	175	176	175	171	166	160	154			
50	129	125	124	126	129	135	141	147	153	156	157	156	152	147	140	134			
55	108	105	104	105	108	114	121	127	133	137	138	136	132	126	119	113			
60	88.1	85.0	83.9	85.0	88.4	93.7	100	107	113	117	117	116	112	106	99.1	93.2			
65	70.4	67.6	66.6	67.5	70.4	75.1	81.0	87.1	92.9	96.5	97.3	95.8	92.1	86.5	80.2	74.9			
70	55.1	52.7	51.8	52.6	55.0	59.0	64.1	69.4	74.5	77.7	78.5	77.2	73.9	69.0	63.6	59.1			
75	42.2	40.2	39.5	40.0	42.0	45.4	49.7	54.2	58.5	61.2	62.0	60.9	58.1	53.8	49.3	45.4			
80	31.5	29.9	29.3	29.8	31.3	34.0	37.5	41.2	44.8	47.1	47.8	46.9	44.5	41.0	37.2	34.0			
85	23.2	22.0	21.5	21.8	23.0	25.1	27.7	30.6	33.4	35.2	35.8	35.1	33.2	30.4	27.5	25.0			
90	17.0	16.3	16.0	16.1	16.9	18.3	20.2	22.3	24.4	25.8	26.3	25.7	24.3	22.2	20.1	18.3			
95	13.0	12.4	12.2	12.3	12.8	13.8	15.0	16.5	17.9	18.9	19.2	18.8	17.8	16.4	14.9	13.8			
100	10.2	9.84	9.66	9.73	10.1	10.8	11.6	12.6	13.6	14.3	14.5	14.3	13.6	12.6	11.6	10.8			
105	8.16	7.85	7.70	7.76	8.05	8.57	9.24	9.98	10.7	11.2	11.4	11.2	10.7	10.0	9.26	8.63			
110	6.52	6.27	6.14	6.18	6.42	6.84	7.38	7.98	8.59	9.00	9.13	8.98	8.58	8.01	7.41	6.90			
115	5.18	4.97	4.86	4.89	5.09	5.43	5.88	6.37	6.87	7.21	7.32	7.20	6.87	6.40	5.91	5.49			
120	4.08	3.90	3.81	3.83	4.00	4.29	4.65	5.06	5.47	5.75	5.85	5.75	5.48	5.09	4.68	4.33			
125	3.17	3.01	2.93	2.96	3.10	3.35	3.65	3.98	4.31	4.54	4.62	4.54	4.31	4.00	3.68	3.39			
130	2.41	2.27	2.20	2.23	2.36	2.58	2.83	3.10	3.37	3.57	3.63	3.56	3.38	3.12	2.85	2.61			
135	1.80	1.67	1.61	1.64	1.76	1.94	2.15	2.38	2.60	2.76	2.81	2.77	2.61	2.40	2.18	1.97			
140	1.30	1.18	1.13	1.17	1.27	1.43	1.60	1.79	1.98	2.10	2.15	2.11	1.99	1.81	1.63	1.45			
145	0.89	0.79	0.75	0.79	0.88	1.02	1.16	1.33	1.47	1.57	1.60	1.59	1.49	1.34	1.19	1.04			
150	0.56	0.47	0.45	0.49	0.57	0.69	0.81	0.95	1.07	1.13	1.17	1.16	1.09	0.97	0.84	0.71			
155	0.32	0.23	0.23	0.28	0.35	0.44	0.54	0.65	0.74	0.79	0.82	0.82	0.77	0.68	0.57	0.46			
160	0.15	0.07	0.09	0.14	0.20	0.27	0.35	0.44	0.51	0.53	0.56	0.56	0.53	0.46	0.39	0.30			
165	0.09	0.05	0.05	0.08	0.13	0.18	0.24	0.30	0.35	0.36	0.38	0.38	0.36	0.32	0.27	0.21			
170	0.06	0.04	0.03	0.05	0.08	0.13	0.17	0.21	0.25	0.25	0.26	0.26	0.25	0.23	0.19	0.15			
175	0.02	0.02	0.02	0.02	0.02	0.03	0.06	0.10	0.13	0.13	0.15	0.16	0.14	0.12	0.08	0.05			
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:25.3DEG
 Operators:ZMB
 Test Date:2019-06-21

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: