

Sample : PAR30S-11-930-40D-DIM  
Specification :  
Sample No. :  
Manufacturer : RAB Lighting Inc.  
Assessor : cuiquan  
Remark :  
Device SN :

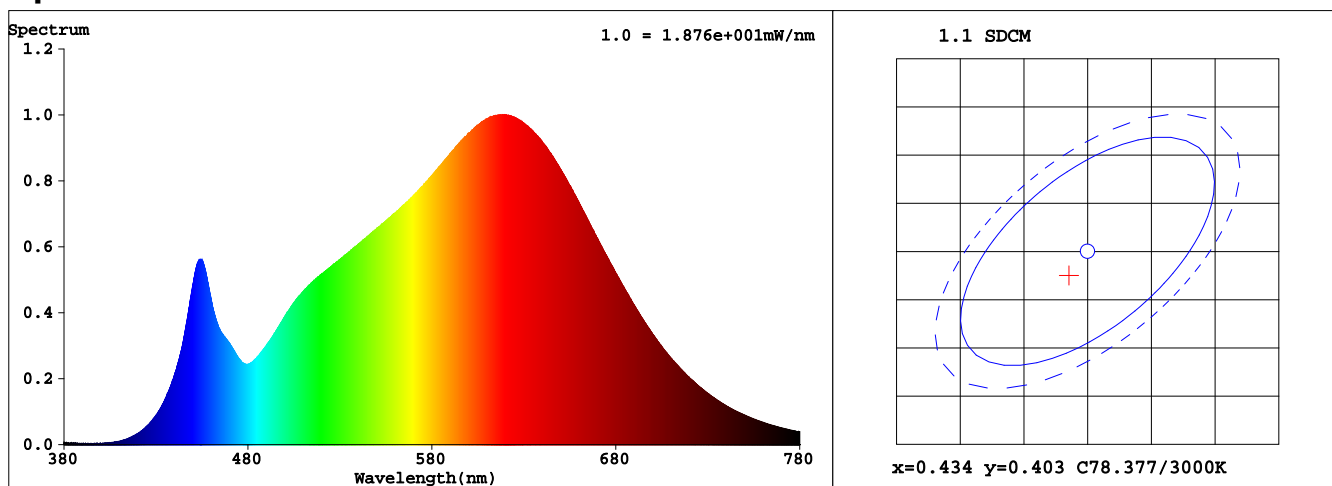
Date : 2020-04-19 10:20:40  
Sam. Status :  
Standard : LM-79-80  
Instrument : HaasSuite(EVERFINE)  
Test by :

### Test Condition

Temperature : 25.1Deg  
WL Range : 380nm-780nm  
Test Mode : Fast Test  
Sensitivity : High

RH : 30.1%  
IP : 48322 (74%)  
T : 184 ms

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4324$   $y = 0.4007$  /  $u' = 0.2491$   $v' = 0.5194$  ( $duv = -7.22e-04$ )

CCT= 3050K Prcp WL: Ld=582.9nm Purity=50.0%

Peak WL: Lp=618nm FWHM: =165.5nm Ratio:R=23.9% G=73.1% B=3.0%

Render Index: Ra = 92.5 TM30:Rf=92 Rg=99

EEL: 0.14035 A+

R1 =93 R2 =96 R3 =98 R4 =92 R5 =92 R6 =95 R7 =92  
R8 =81 R9 =58 R10=91 R11=93 R12=81 R13=94 R14=99 R15=89

LEVEL:OUT WHITE:ANSI\_3000K

### Photometric & Radiometric Parameters

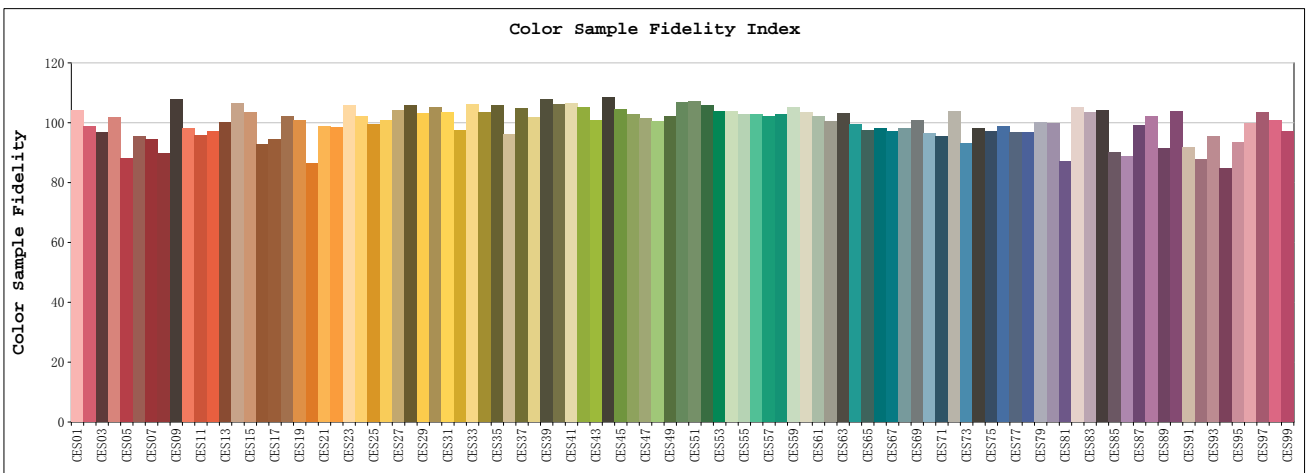
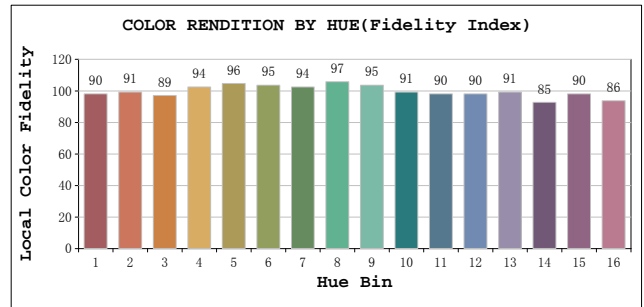
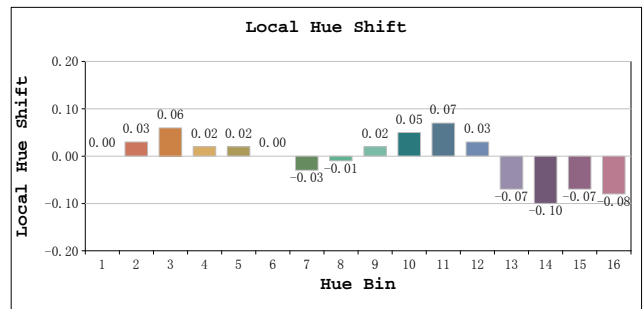
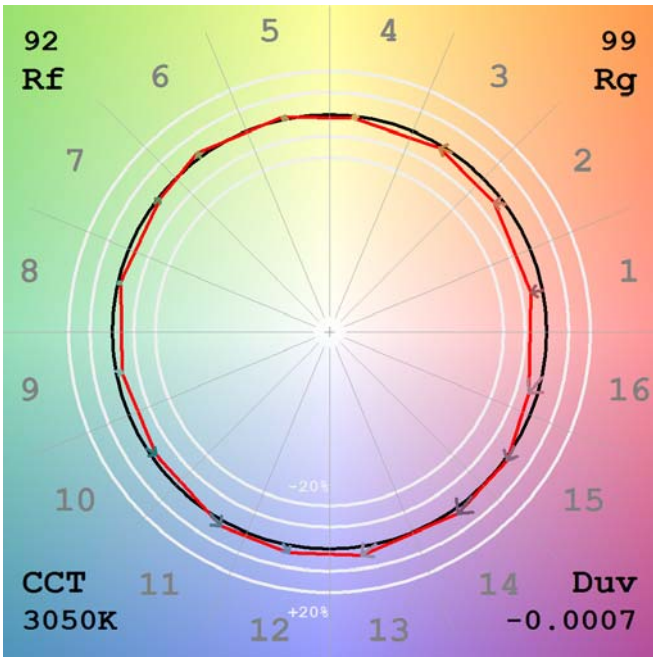
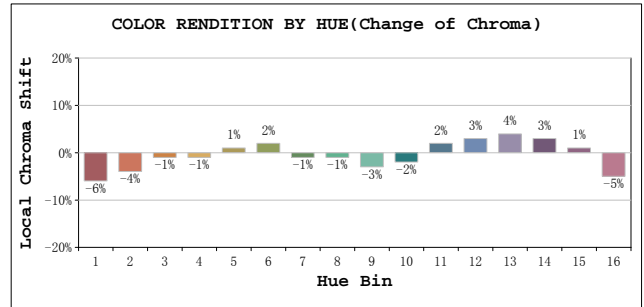
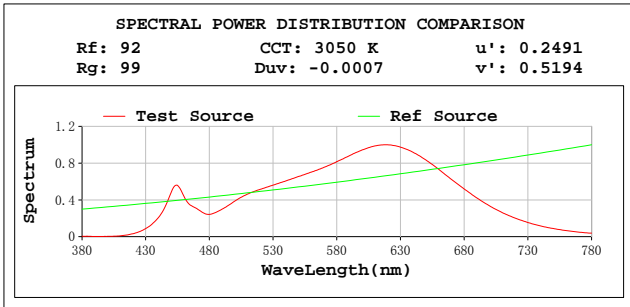
Flux = 956.73 lm Eff. : 91.99 lm/W Fe = 3.3246 W

Flux of emitted photons( $\mu\text{mol/s}$ ):16.433 Fluo. and blue light ratio:9.540 Fluorescent eff.:278.2

### Electrical parameters

V = 120.06 V I = 0.09010 A P = 10.40 W PF = 0.9614

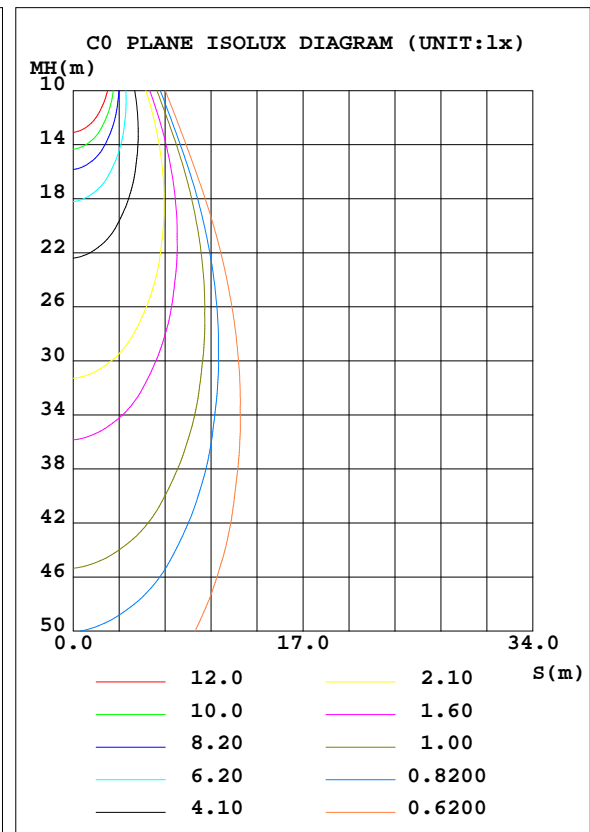
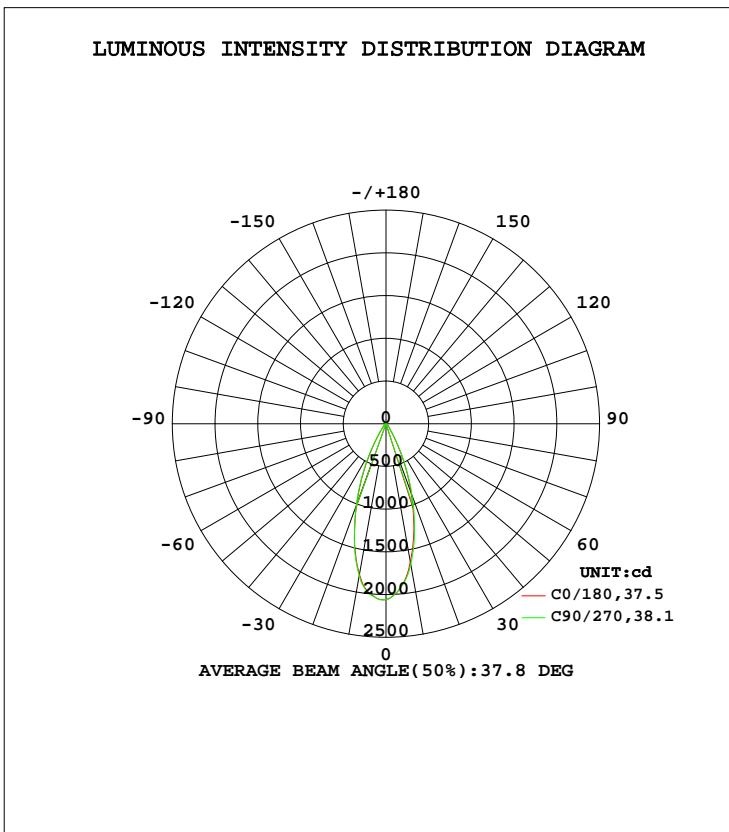
# TM30



LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: PAR30S-11-930-40D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.06 lm/W
MODEL	P30	Imax(cd)	2071	S/MH(C0/180)	0.64	
NOMINAL POWER(W)	11	LOR(%)	100.0	S/MH(C90/270)	0.64	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	986.01	η UP, DN(C0-180)	0.0, 47.5	
NOMINAL FLUX(lm)	986.009	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 52.5	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	0.65	



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

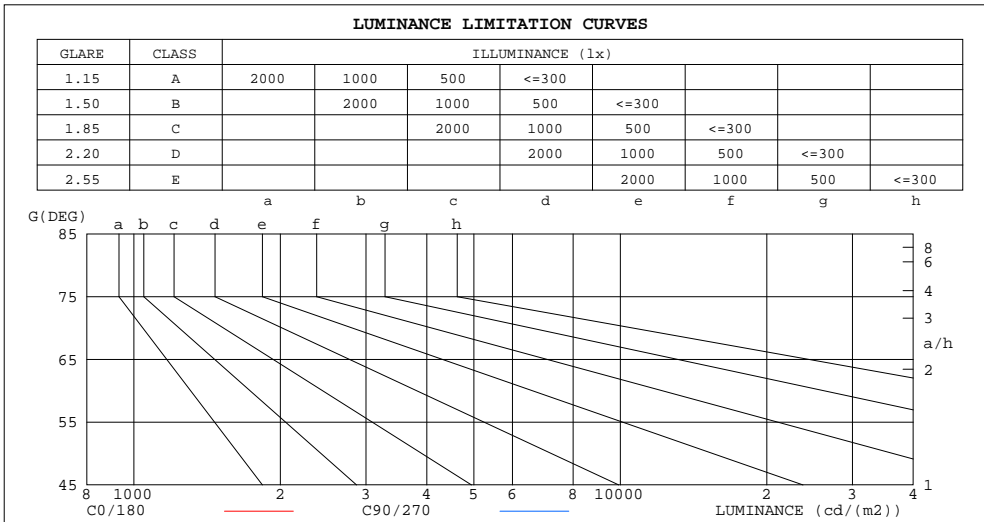
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	1930	1921	1933	1988	2009	2010	2015	1945	0- 5	48.08	48.08	4.88,4.88
10	1642	1602	1669	1779	1790	1826	1805	1721	5- 10	132.5	180.6	18.3,18.3
15	1263	1217	1293	1403	1425	1489	1432	1345	10- 15	182.6	363.2	36.8,36.8
20	861.0	815.9	891.9	986.8	1007	1065	1017	931.4	15- 20	188.0	551.2	55.9,55.9
25	506.4	473.2	525.0	602.4	622.7	666.4	643.6	568.2	20- 25	157.6	708.8	71.9,71.9
30	222.5	202.3	236.3	293.7	307.5	342.2	327.0	272.3	25- 30	104.7	813.5	82.5,82.5
35	97.88	88.06	103.7	125.0	132.6	150.7	144.7	123.7	30- 35	54.49	868.0	88,88
40	55.77	50.58	56.98	60.81	66.55	75.53	71.12	64.45	35- 40	28.79	896.7	90.9,90.9
45	42.54	38.68	42.97	42.39	44.99	50.87	45.39	47.08	40- 45	19.03	915.8	92.9,92.9
50	32.56	30.73	36.09	33.41	33.81	39.36	33.24	35.47	45- 50	15.71	931.5	94.5,94.5
55	25.68	25.03	28.39	26.98	26.27	30.19	26.24	26.84	50- 55	13.16	944.6	95.8,95.8
60	21.27	20.54	23.39	22.32	21.56	23.84	21.56	21.86	55- 60	11.21	955.9	96.9,96.9
65	17.45	16.71	18.98	18.33	18.04	19.78	17.63	17.99	60- 65	9.742	965.6	97.9,97.9
70	12.83	12.35	13.69	13.93	14.02	14.82	13.31	13.37	65- 70	8.016	973.6	98.7,98.7
75	8.716	8.577	9.445	9.866	9.890	10.07	9.263	9.172	70- 75	5.959	979.6	99.3,99.3
80	4.995	4.936	5.528	6.120	6.145	6.068	5.586	5.361	75- 80	3.986	983.6	99.8,99.8
85	1.611	1.605	1.122	2.662	2.755	2.583	2.301	2.017	80- 85	2.102	985.7	100,100
90	0.0006	0.0009	0.0006	0.0006	0	0	0	0	85- 90	0.3341	986.0	100,100
95	0.0009	0	0	0	0.0001	0	0	0	90- 95	0.0001	986.0	100,100
100	0.0006	0	0	0	0.0383	0	0	0	95-100	0.0024	986.0	100,100
105	0.0003	0	0.0003	0.0003	0.0189	0.0050	0	0	100-105	0.0034	986.0	100,100
110	0	0.0003	0	0.0009	0.0049	0.0212	0	0	105-110	0.0023	986.0	100,100
115	0	0	0	0.0003	0.0009	0.0049	0.0003	0	110-115	0.0009	986.0	100,100
120	0	0	0	0	0.0009	0.0009	0.0000	0	115-120	0.0003	986.0	100,100
125	0	0.0000	0.0003	0.0000	0.0009	0.0006	0	0	120-125	0.0001	986.0	100,100
130	0	0	0.0003	0	0.0006	0.0006	0	0	125-130	0.0001	986.0	100,100
135	0	0	0	0.0000	0.0006	0.0006	0	0	130-135	0.0001	986.0	100,100
140	0.0006	0	0.0003	0.0009	0.0015	0.0012	0	0.0003	135-140	0.0001	986.0	100,100
145	0.0006	0	0.0003	0.0006	0.0028	0.0025	0.0006	0.0015	140-145	0.0002	986.0	100,100
150	0.0009	0.0003	0.0003	0.0009	0.0046	0.0031	0.0034	0.0031	145-150	0.0004	986.0	100,100
155	0.0033	0.0043	0.0046	0.0049	0.0071	0.0055	0.0049	0.0052	150-155	0.0008	986.0	100,100
160	0.0055	0.0052	0.0058	0.0052	0.0102	0.0065	0.0077	0.0065	155-160	0.0012	986.0	100,100
165	0.0055	0.0058	0.0058	0.0055	0.0105	0.0065	0.0105	0.0077	160-165	0.0011	986.0	100,100
170	0.0043	0.0043	0.0055	0.0055	0.0102	0.0080	0.0098	0.0092	165-170	0.0009	986.0	100,100
175	0.0049	0.0034	0.0028	0.0058	0.0101	0.0105	0.0098	0.0095	170-175	0.0005	986.0	100,100
180	0.0055	0.0025	0.0006	0.0013	0.0052	0.0049	0.0015	0.0036	175-180	0.0001	986.0	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity:65.0%  
 Test Distance:2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

LUMINANCE LIMITATION CURVES

NAME: PAR30S-11-930-40D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	61	43
80	95	105
75	111	121
70	124	132
65	136	148
60	141	155
55	148	164
50	167	186
45	199	201

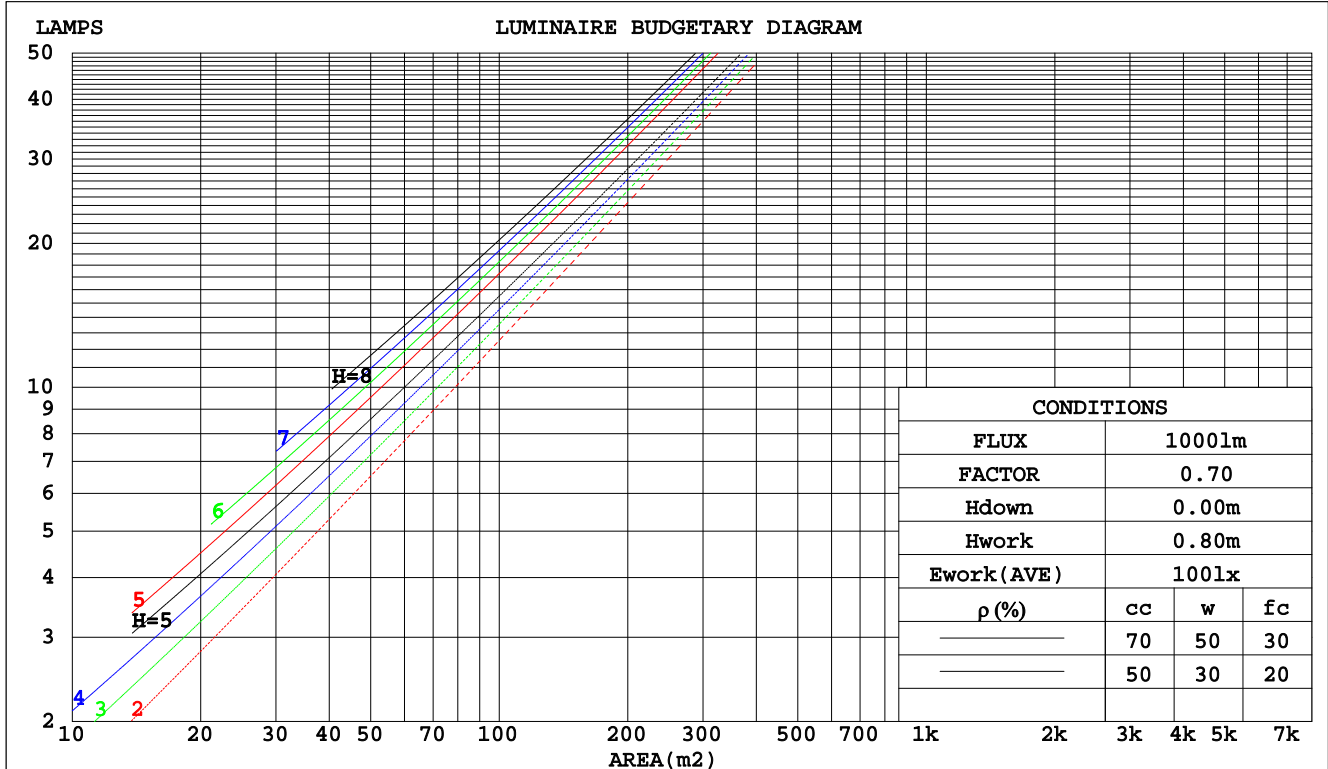
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 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: PAR30S-11-930-40D-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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.11	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.97	.96	.94
2.0	1.04	.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.98	.93	.89	.96	.92	.88	.94	.90	.87	.91	.88	.86	.89	.87	.84	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.78	.85	.80	.77	.83	.79	.76	.81	.78	.76	.74
6.0	.83	.77	.73	.82	.77	.73	.81	.76	.73	.79	.75	.72	.78	.75	.72	.70
7.0	.79	.73	.70	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.68	.67
8.0	.75	.70	.66	.75	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.65	.64
9.0	.72	.67	.63	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.61
10.0	.69	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.66	.63	.60	.59



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

WEC AND CCEC

NAME: PAR30S-11-930-40D-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	.174	.099	.031	.167	.095	.030	.154	.089	.028	.143	.082	.026	.132	.077	.025	
2.0	.163	.090	.027	.158	.087	.027	.147	.082	.025	.138	.077	.024	.129	.073	.023	
3.0	.153	.082	.024	.149	.080	.024	.140	.076	.023	.131	.072	.022	.124	.068	.021	
4.0	.144	.075	.022	.140	.073	.022	.132	.070	.021	.125	.067	.020	.119	.065	.020	
5.0	.136	.069	.020	.133	.068	.020	.126	.066	.019	.120	.063	.019	.114	.061	.018	
6.0	.129	.065	.018	.126	.064	.018	.120	.061	.018	.115	.060	.017	.109	.058	.017	
7.0	.122	.060	.017	.120	.060	.017	.115	.058	.017	.110	.056	.016	.105	.055	.016	
8.0	.116	.057	.016	.114	.056	.016	.110	.055	.016	.105	.053	.015	.101	.052	.015	
9.0	.111	.054	.015	.109	.053	.015	.105	.052	.015	.101	.051	.015	.098	.050	.014	
10.0	.106	.051	.014	.104	.050	.014	.101	.049	.014	.097	.048	.014	.094	.047	.014	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.104	.075	.053	.072	.052	.038	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.044	.092	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.100	.063	.038	.086	.055	.033	.060	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.095	.058	.033	.082	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.090	.053	.029	.078	.046	.025	.054	.033	.018	.031	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
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 Temperature: 25.3DEG  
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UGR(Unified Glare Rating) Table

NAME: PAR30S-11-930-40D-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	0.6	1.5	0.8	1.6	1.8	0.9	1.8	1.1	2.0	2.1				
3H	1.7	2.5	1.9	2.7	2.9	2.1	2.9	2.3	3.1	3.3				
4H	2.1	2.9	2.4	3.1	3.3	2.5	3.3	2.8	3.5	3.7				
6H	2.5	3.2	2.7	3.4	3.7	2.9	3.6	3.1	3.8	4.1				
8H	2.5	3.2	2.8	3.5	3.7	2.9	3.6	3.3	3.9	4.2				
12H	2.6	3.2	2.9	3.5	3.8	3.0	3.6	3.3	3.9	4.2				
4H 2H	1.0	1.8	1.3	2.0	2.2	1.3	2.1	1.6	2.3	2.5				
3H	2.3	3.0	2.6	3.2	3.5	2.6	3.3	2.9	3.6	3.8				
4H	2.9	3.5	3.2	3.8	4.1	3.2	3.8	3.5	4.1	4.4				
6H	3.3	3.8	3.7	4.2	4.5	3.6	4.2	4.0	4.5	4.9				
8H	3.4	3.9	3.8	4.3	4.6	3.8	4.3	4.2	4.6	5.0				
12H	3.4	3.9	3.9	4.3	4.7	3.8	4.3	4.2	4.6	5.0				
8H 4H	3.1	3.6	3.5	3.9	4.3	3.4	3.9	3.7	4.2	4.6				
6H	3.6	4.0	4.0	4.4	4.8	3.9	4.3	4.3	4.7	5.1				
8H	3.7	4.1	4.2	4.5	5.0	4.1	4.5	4.5	4.9	5.3				
12H	3.8	4.1	4.3	4.6	5.1	4.1	4.5	4.6	4.9	5.4				
12H 4H	3.1	3.5	3.5	3.9	4.3	3.3	3.8	3.8	4.2	4.6				
6H	3.6	4.0	4.0	4.4	4.8	3.9	4.3	4.4	4.7	5.1				
8H	3.8	4.1	4.3	4.5	5.0	4.1	4.4	4.6	4.9	5.3				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4								
1.5H	+ 0.6 / - 0.2					+ 0.6 / - 0.2								
2.0H	+ 0.4 / - 0.3					+ 0.4 / - 0.4								

CIE Pub.117, 986.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.0)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装



UTILIZATION FACTORS TABLE

NAME: PAR30S-11-930-40D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

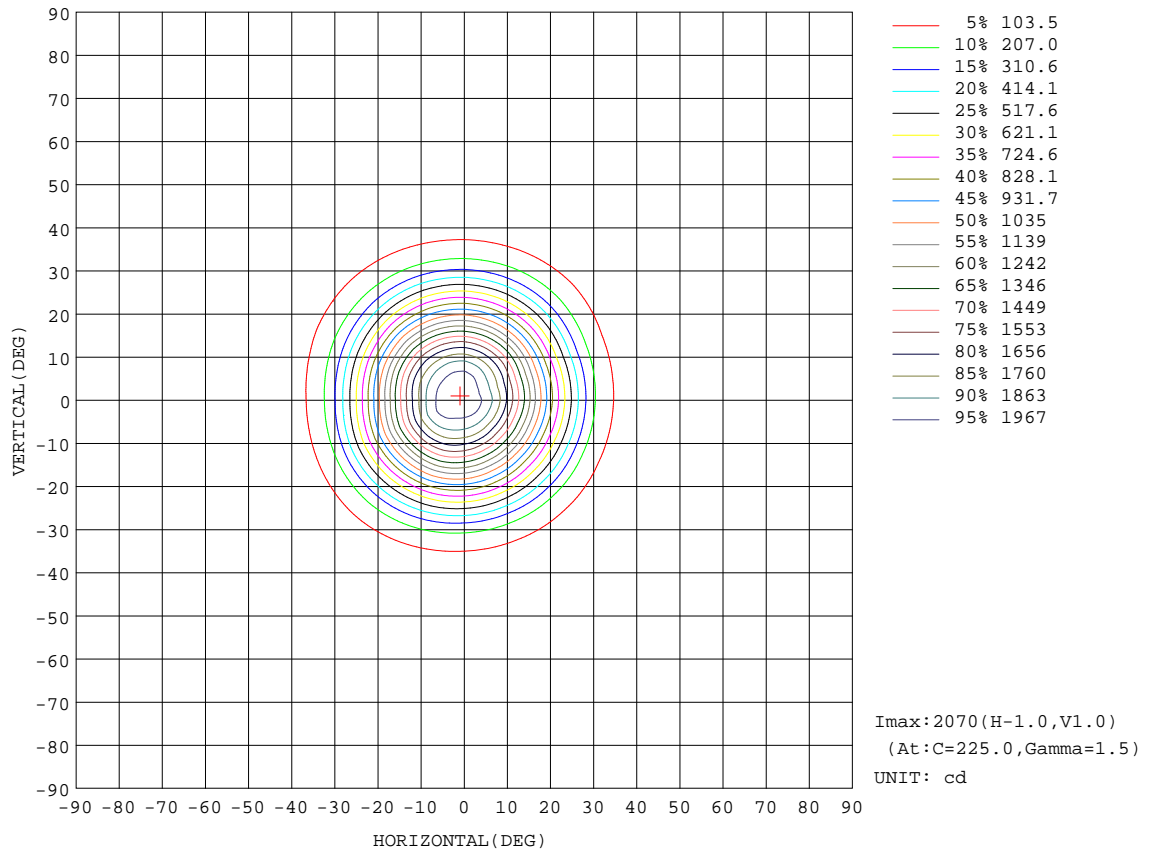
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	79	75	85	79	75	85	79	75	72
0.80	93	87	83	93	87	83	92	86	83	79
1.00	98	92	88	97	92	88	95	91	87	83
1.25	102	96	93	101	96	92	99	95	92	87
1.50	105	100	96	104	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	98	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	108	105	109	106	104	106	103	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	113	110	109	109	107	106	98
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:  
 Test Date: 16 April 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

ISOCANDELA DIAGRAM

NAME: PAR30S-11-930-40D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

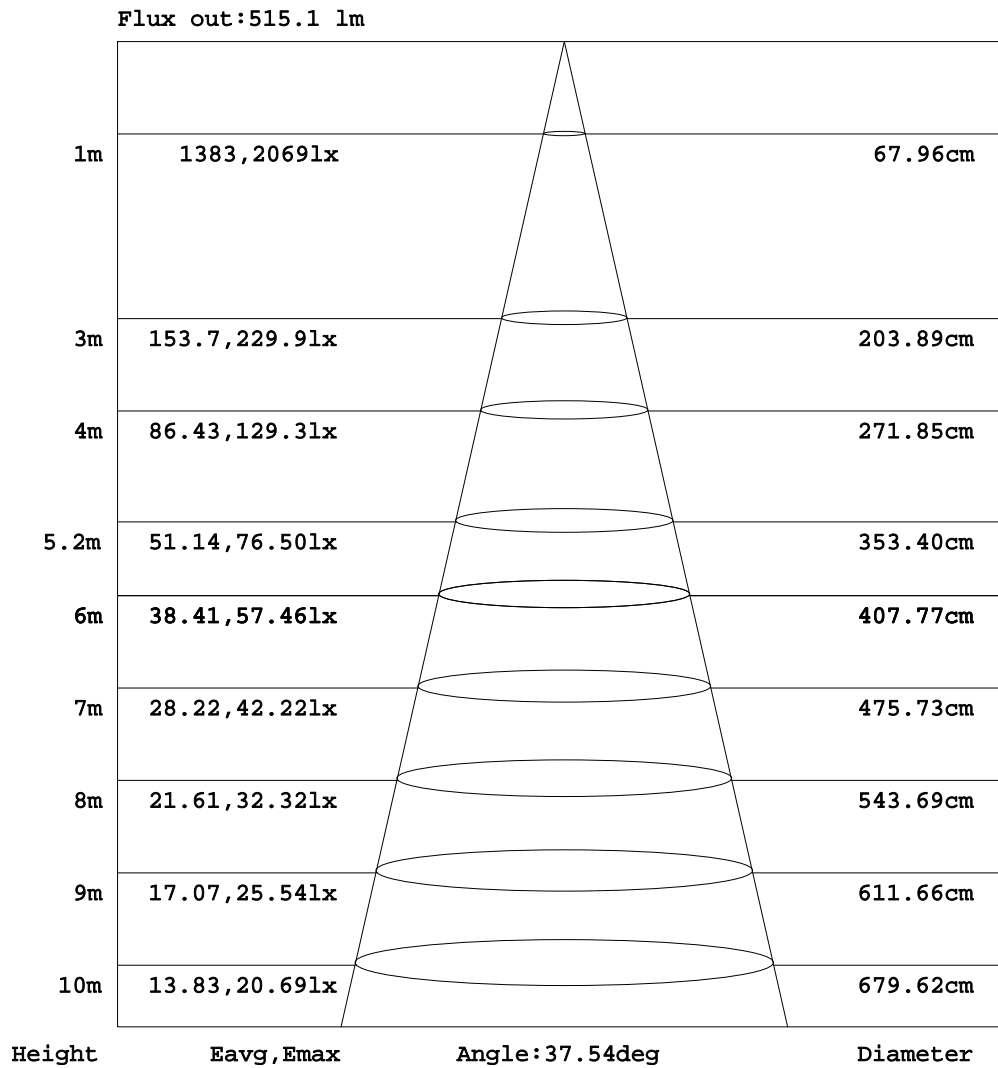


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

AAI Figure

NAME: PAR30S-11-930-40D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /



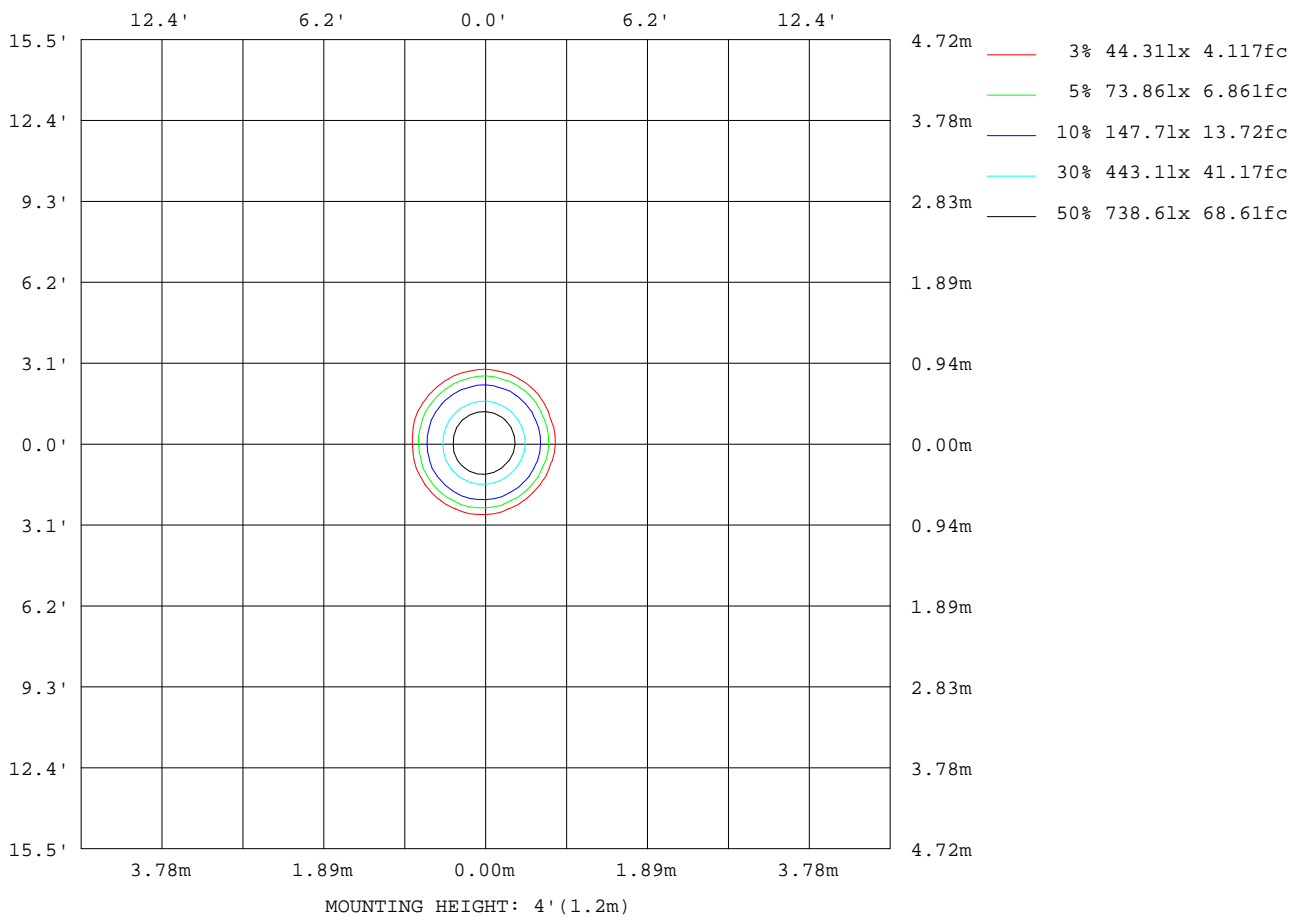
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

**ISOLUX DIAGRAM**

NAME: PAR30S-11-930-40D-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:  
 Test Date: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

## LED Avg.L Report

NAME: PAR30S-11-930-40D-DIM	TYPE: /	WEIGHT: /
SPEC.: /	DIM.: /	SERIAL No.: /
MFR.: RAB Lighting Inc	SUR.: /	Shielding Angle: /

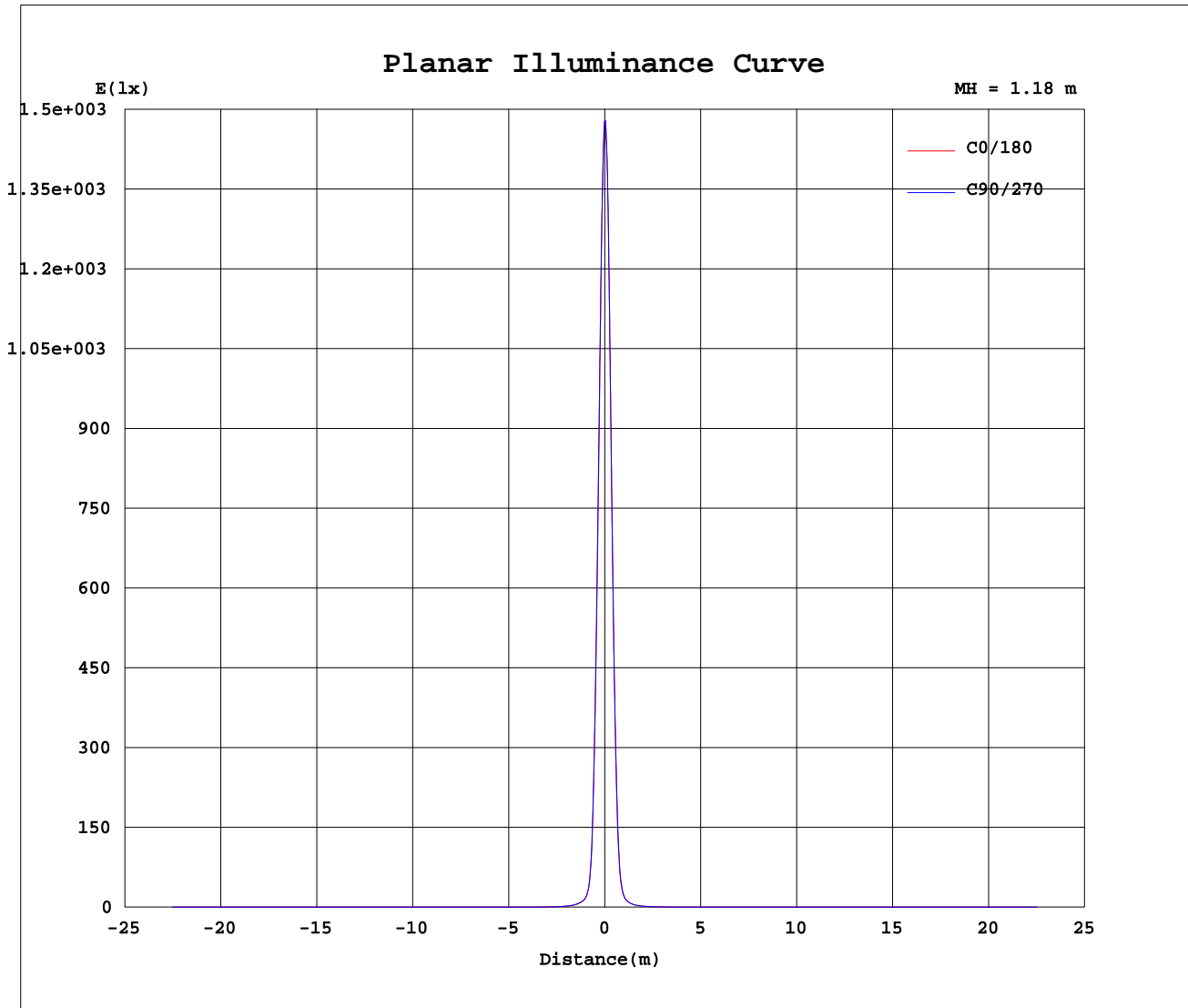
AvgL	cd/m2
L_0~180(65)av	139
L_0~180(75)av	119
L_0~180(85)av	83
L_90~270(65)av	143
L_90~270(75)av	119
L_90~270(85)av	65
L_45(65)av	142
L_45(75)av	120
L_45(85)av	84

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 16 April 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: PAR30S-11-930-40D-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	2057	2058	2059	2059	2058	2057	2057	2056	2057	2058	2059	2059	2058	2057	2057	2056			
5	1930	1917	1921	1926	1933	1951	1988	2016	2009	2009	2010	2020	2015	1986	1945	1926			
10	1642	1611	1602	1631	1669	1730	1779	1809	1790	1817	1826	1822	1805	1766	1721	1657			
15	1263	1220	1217	1239	1293	1358	1403	1441	1425	1471	1489	1463	1432	1390	1345	1277			
20	861	822	816	846	892	945	987	1024	1007	1045	1065	1043	1017	978	931	877			
25	506	478	473	490	525	565	602	638	623	650	666	661	644	611	568	514			
30	223	205	202	214	236	268	294	314	307	332	342	340	327	303	272	236			
35	97.9	88.9	88.1	94.4	104	115	125	131	133	147	151	148	145	136	124	103			
40	55.8	51.0	50.6	53.7	57.0	59.7	60.8	61.8	66.6	74.9	75.5	72.8	71.1	66.9	64.4	56.7			
45	42.5	38.8	38.7	40.8	43.0	44.7	42.4	40.7	45.0	50.8	50.9	46.3	45.4	44.4	47.1	43.3			
50	32.6	31.1	30.7	32.6	36.1	36.4	33.4	32.0	33.8	37.8	39.4	34.5	33.2	33.4	35.5	34.7			
55	25.7	25.1	25.0	25.8	28.4	28.3	27.0	26.3	26.3	28.7	30.2	27.0	26.2	26.2	26.8	27.0			
60	21.3	20.5	20.5	21.3	23.4	23.1	22.3	21.9	21.6	23.0	23.8	22.2	21.6	21.4	21.9	22.4			
65	17.4	16.7	16.7	17.4	19.0	18.9	18.3	18.2	18.0	19.1	19.8	18.3	17.6	17.5	18.0	18.2			
70	12.8	12.3	12.3	13.0	13.7	14.1	13.9	14.1	14.0	14.5	14.8	14.0	13.3	13.2	13.4	13.1			
75	8.72	8.52	8.58	8.91	9.44	9.83	9.87	9.99	9.89	10.1	10.1	9.69	9.26	9.19	9.17	8.93			
80	5.00	4.91	4.94	5.18	5.53	5.85	6.12	6.21	6.15	6.09	6.07	5.84	5.59	5.50	5.36	5.14			
85	1.61	1.58	1.61	1.05	1.12	2.27	2.66	2.85	2.75	2.63	2.58	2.42	2.30	2.26	2.02	1.78			
90	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			
95	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			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.06	0.00	0.00	0.00	0.00	0.00			
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.01	0.00	0.00	0.00	0.00	0.00			
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00			
115	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			
120	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			
125	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			
130	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			
135	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			
140	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			
145	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			
150	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			
155	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01			
160	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
165	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			
170	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
175	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
180	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	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:  
 Test Date: 16 April 2020

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.366  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0050]  
 Remarks: 光阑片: 0.2 遮光筒: 装