

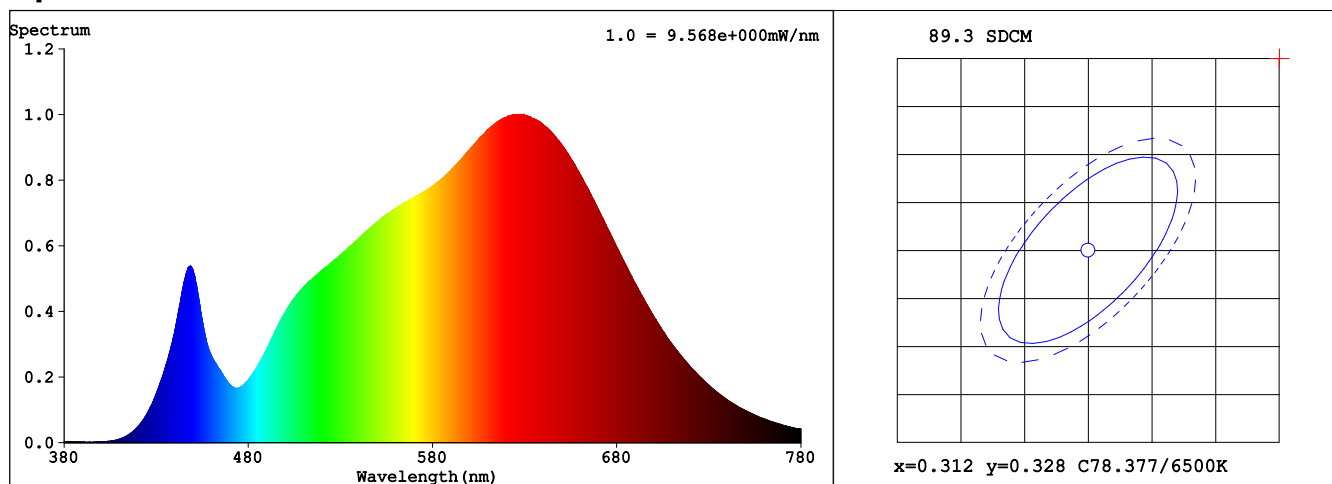
RAB Lighting Inc

Sample : Date : 2017-07-27 08:31:58
Specification : 1102012091 Sam. Status :
Sample No. : MR16-6-930-15D-DIM Standard :
Manufacturer : RAB Lighting Inc Instrument : HaasSuite(EVERFINE)
Remark : Test by :

Test Condition

Temperature : 22.7Deg RH : 30.1%
WL Range : 380nm-780nm IP : 51181 (78%)
Test Mode : Fast Test T : 190 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4341$ $y = 0.4034$ / $u' = 0.2490$ $v' = 0.5207$ ($duv=1.41e-04$)
CCT= 3043K Prcp WL: $L_d=582.6nm$ Purity=51.4%
Peak WL: $L_p=626nm$ FWHM: =173.7nm Ratio:R=24.0% G=73.3% B=2.7%

Render Index: $R_a = 93.2$ TM30: $R_f=91$ $R_g=102$

R1 =94 R2 =95 R3 =94 R4 =94 R5 =93 R6 =93 R7 =94
R8 =88 R9 =71 R10=87 R11=95 R12=83 R13=94 R14=96 R15=92
LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 484.31 lm Eff. : 81.95 lm/W $F_e = 1.7326$ W
Flux of emitted photons($\mu mol/s$):8.6105 Flu. and blue light ratio:11.17 Fluorescent eff.:247.9

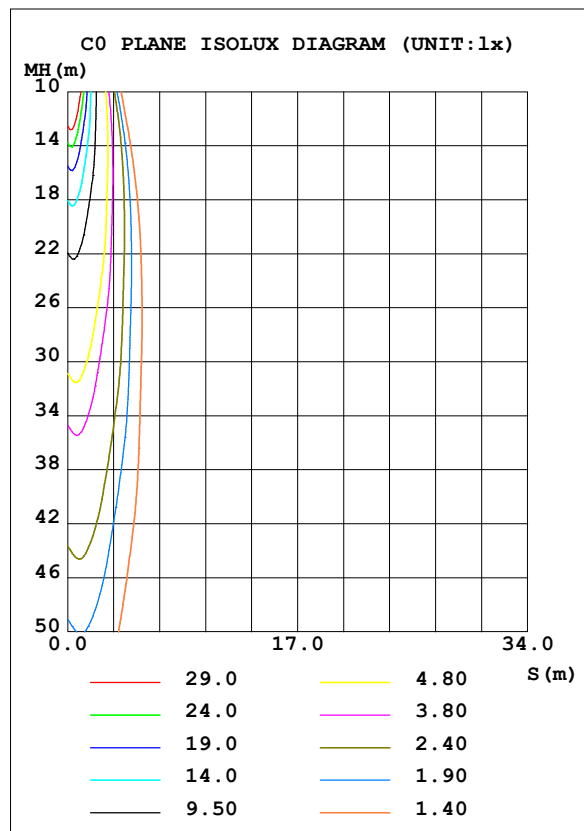
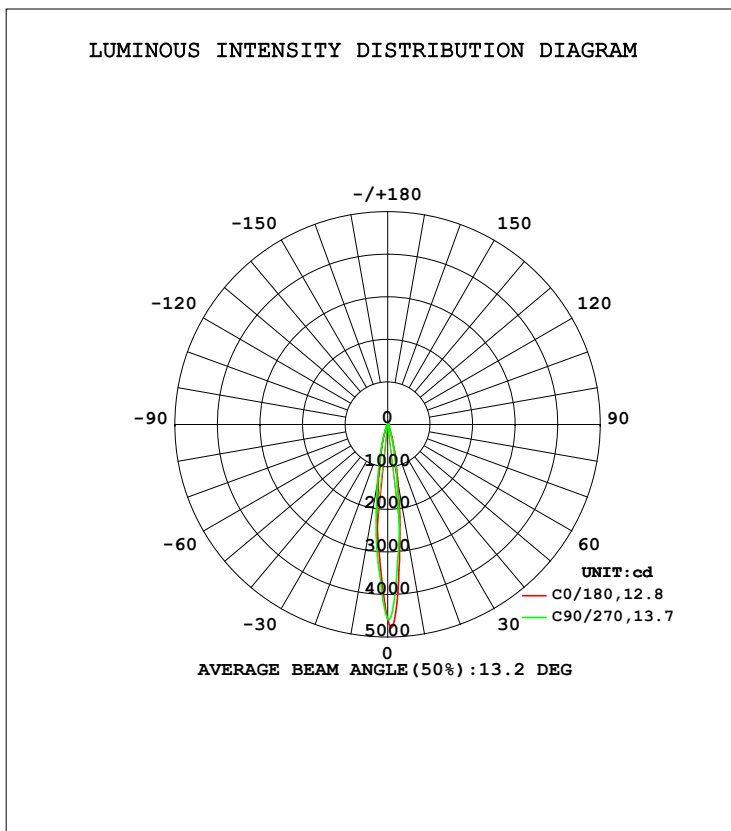
Electrical parameters

V = 12.00 V I = 0.5346 A P = 5.910 W PF = 0.9212

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: MR16-6-930-15D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	4776	S/MH (C0/180)	0.21
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.24
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	471.42	η UP, DN (C0-180)	0.1, 48.7
NOMINAL FLUX (lm)	471.418	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 51.1
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	12	η down (%)	99.8	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-07-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 1.148m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

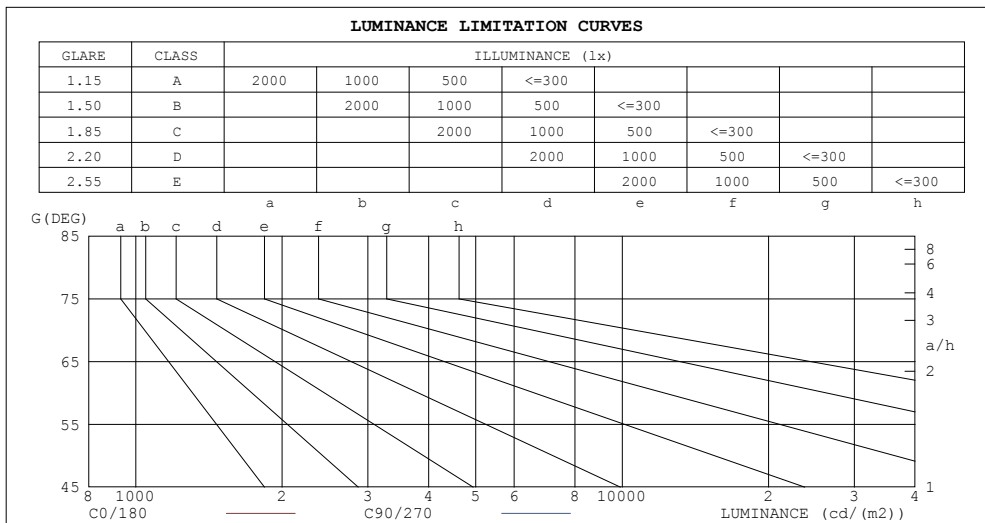
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1388	1306	1233	1223	1233	1296	1403	1427	0- 10	227.2	227.2	48.2,48.2
20	229.9	213.0	206.0	219.5	228.9	246.1	270.7	264.9	10- 20	166.0	393.2	83.4,83.4
30	30.30	26.26	27.66	33.33	37.73	39.64	43.08	38.59	20- 30	46.70	439.9	93.3,93.3
40	8.846	8.812	8.035	7.999	8.642	8.893	9.091	8.986	30- 40	10.15	450.1	95.5,95.5
50	9.313	8.224	7.245	6.872	7.295	7.769	8.684	9.185	40- 50	6.678	456.8	96.9,96.9
60	5.251	4.939	5.465	5.911	6.346	6.367	6.097	5.670	50- 60	5.729	462.5	98.1,98.1
70	3.732	3.605	3.768	3.720	3.848	3.961	3.893	3.785	60- 70	4.871	467.4	99.1,99.1
80	1.420	1.385	1.324	1.208	1.203	1.263	1.325	1.344	70- 80	2.619	470.0	99.7,99.7
90	0.0578	0.0435	0.0348	0.0297	0.0263	0.0267	0.0391	0.0547	80- 90	0.5756	470.6	99.8,99.8
100	0.0504	0.0492	0.0445	0.0385	0.0349	0.0343	0.0400	0.0471	90-100	0.0400	470.6	99.8,99.8
110	0.0719	0.0711	0.0642	0.0582	0.0513	0.0524	0.0578	0.0691	100-110	0.0541	470.7	99.8,99.8
120	0.1122	0.1190	0.1030	0.0950	0.0875	0.0913	0.0947	0.1100	110-120	0.0780	470.7	99.9,99.9
130	1.454	0.2302	1.651	1.272	0.8405	0.8567	0.3004	1.079	120-130	0.1610	470.9	99.9,99.9
140	0.1751	0.1935	0.1557	0.1510	0.1470	0.1490	0.1482	0.1731	130-140	0.2690	471.2	99.9,99.9
150	0.1693	0.1734	0.1547	0.1437	0.1361	0.1357	0.1452	0.1549	140-150	0.1055	471.3	100,100
160	0.1826	0.1818	0.1699	0.1628	0.1507	0.1469	0.1385	0.1365	150-160	0.0721	471.4	100,100
170	0.1801	0.1873	0.1952	0.1987	0.2049	0.2022	0.1919	0.1843	160-170	0.0507	471.4	100,100
180	0	0	0	0	0	0	0	0	170-180	0.0160	471.4	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:2017-07-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.148m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: MR16-6-930-15D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	249	212
80	327	305
75	388	380
70	436	441
65	445	463
60	420	437
55	400	394
50	580	451
45	542	444

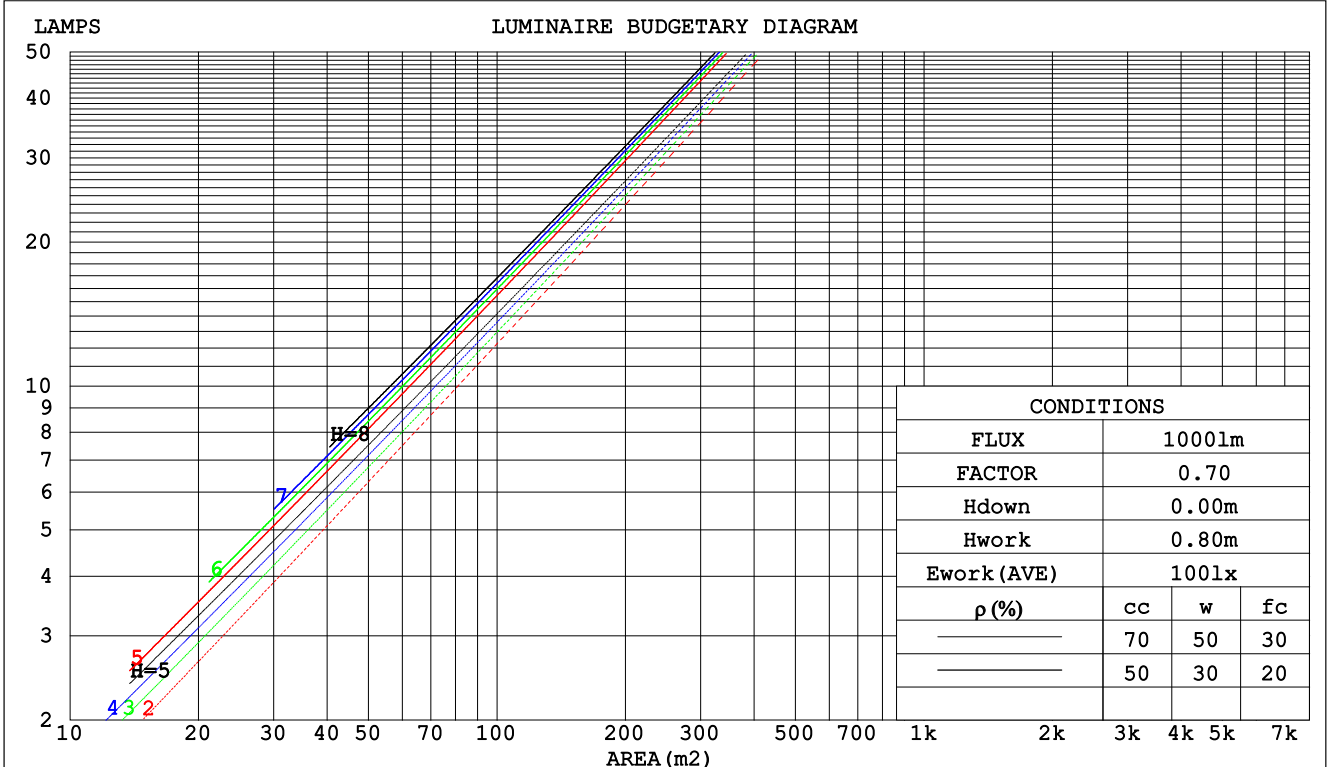
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 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 1.148m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: MR16-6-930-15D-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	1.13	1.11	1.09	1.11	1.09	1.08	1.07	1.05	1.04	1.03	1.02	1.01	.00	.99	.98	.96
2.0	1.08	1.05	1.02	1.06	1.03	1.01	1.03	1.01	.99	1.00	.98	.97	.97	.96	.95	.93
3.0	1.03	.00	.97	1.02	.99	.96	.00	.97	.95	.97	.95	.93	.95	.93	.92	.91
4.0	.00	.96	.93	.99	.95	.92	.97	.94	.91	.95	.92	.90	.93	.91	.89	.88
5.0	.97	.93	.90	.96	.92	.89	.94	.91	.89	.93	.90	.88	.91	.89	.87	.86
6.0	.94	.90	.87	.93	.89	.87	.92	.88	.86	.90	.88	.86	.89	.87	.85	.84
7.0	.91	.87	.85	.91	.87	.84	.90	.86	.84	.88	.86	.83	.88	.85	.83	.82
8.0	.89	.85	.82	.88	.85	.82	.87	.84	.82	.87	.84	.82	.86	.83	.81	.80
9.0	.87	.83	.81	.86	.83	.80	.86	.82	.80	.85	.82	.80	.84	.82	.80	.79
10.0	.85	.81	.79	.85	.81	.79	.84	.81	.79	.83	.80	.78	.83	.80	.78	.77



C Range: 0 - 360DEG
 C Interval: 22.5DEG
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 Operators:
 Test Date:2017-07-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.148m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: MR16-6-930-15D-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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.136	.078	.025	.130	.074	.023	.117	.067	.021	.106	.061	.020	.095	.055	.018	
2.0	.125	.069	.021	.120	.066	.020	.109	.061	.019	.100	.056	.018	.091	.052	.016	
3.0	.116	.061	.018	.111	.059	.018	.102	.055	.017	.094	.052	.016	.087	.048	.015	
4.0	.107	.056	.016	.103	.054	.016	.096	.051	.015	.089	.048	.014	.083	.045	.014	
5.0	.100	.051	.015	.097	.050	.014	.091	.047	.014	.085	.045	.013	.079	.042	.013	
6.0	.094	.047	.013	.091	.046	.013	.086	.044	.013	.081	.042	.012	.076	.040	.012	
7.0	.088	.044	.012	.086	.043	.012	.081	.041	.012	.077	.039	.011	.073	.038	.011	
8.0	.083	.041	.011	.081	.040	.011	.077	.039	.011	.074	.037	.011	.070	.036	.010	
9.0	.079	.038	.011	.077	.038	.011	.074	.037	.010	.071	.035	.010	.067	.034	.010	
10.0	.075	.036	.010	.074	.036	.010	.071	.035	.010	.068	.034	.010	.065	.033	.009	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.170	.159	.149	.145	.137	.129	.099	.094	.089	.057	.054	.052	.018	.017	.017	
2.0	.151	.134	.120	.130	.115	.103	.089	.080	.072	.051	.046	.042	.016	.015	.014	
3.0	.136	.115	.098	.117	.099	.085	.080	.069	.059	.046	.040	.035	.015	.013	.011	
4.0	.123	.099	.081	.106	.086	.070	.073	.060	.049	.042	.035	.029	.014	.011	.010	
5.0	.112	.087	.068	.096	.075	.059	.066	.052	.042	.038	.031	.025	.012	.010	.008	
6.0	.103	.077	.058	.089	.066	.050	.061	.047	.036	.035	.027	.021	.011	.009	.007	
7.0	.095	.068	.050	.082	.059	.043	.056	.042	.031	.033	.024	.018	.011	.008	.006	
8.0	.088	.061	.043	.076	.053	.038	.053	.037	.027	.031	.022	.016	.010	.007	.005	
9.0	.082	.056	.038	.071	.048	.033	.049	.034	.023	.029	.020	.014	.009	.007	.005	
10.0	.077	.051	.033	.066	.044	.029	.046	.031	.021	.027	.018	.012	.009	.006	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-07-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.148m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: MR16-6-930-15D-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	4.0	4.6	4.2	4.8	4.9	3.8	4.4	4.0	4.5	4.7					
3H	5.7	6.3	6.0	6.5	6.7	5.7	6.2	5.9	6.4	6.6					
4H	6.4	7.0	6.7	7.2	7.4	6.3	6.9	6.6	7.1	7.3					
6H	6.8	7.4	7.1	7.6	7.8	6.7	7.2	7.0	7.5	7.7					
8H	7.0	7.5	7.2	7.7	8.0	6.8	7.3	7.1	7.6	7.8					
12H	7.0	7.5	7.3	7.8	8.0	6.8	7.3	7.1	7.6	7.9					
4H 2H	4.7	5.2	4.9	5.4	5.6	4.5	5.0	4.7	5.3	5.5					
3H	6.6	7.1	6.9	7.3	7.6	6.5	7.0	6.8	7.3	7.5					
4H	7.3	7.8	7.7	8.1	8.4	7.3	7.7	7.6	8.0	8.3					
6H	7.9	8.3	8.2	8.6	8.9	7.7	8.1	8.1	8.5	8.8					
8H	8.0	8.4	8.4	8.7	9.1	7.9	8.2	8.2	8.6	8.9					
12H	8.1	8.4	8.5	8.8	9.2	7.9	8.3	8.3	8.6	9.0					
8H 4H	7.6	8.0	8.0	8.3	8.7	7.5	7.9	7.9	8.2	8.6					
6H	8.2	8.5	8.6	8.9	9.3	8.1	8.4	8.5	8.8	9.2					
8H	8.4	8.7	8.9	9.1	9.6	8.3	8.5	8.7	9.0	9.4					
12H	8.5	8.8	9.0	9.2	9.7	8.4	8.6	8.8	9.0	9.5					
12H 4H	7.6	7.9	8.0	8.3	8.7	7.5	7.9	7.9	8.2	8.6					
6H	8.2	8.5	8.7	8.9	9.4	8.1	8.4	8.6	8.8	9.3					
8H	8.5	8.7	8.9	9.2	9.6	8.3	8.6	8.8	9.0	9.5					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2									
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.2									
2.0H	+ 0.5 / - 0.5					+ 0.4 / - 0.4									

CIE Pub.117, 471.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.6)

C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.148m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

NAME: MR16-6-930-15D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

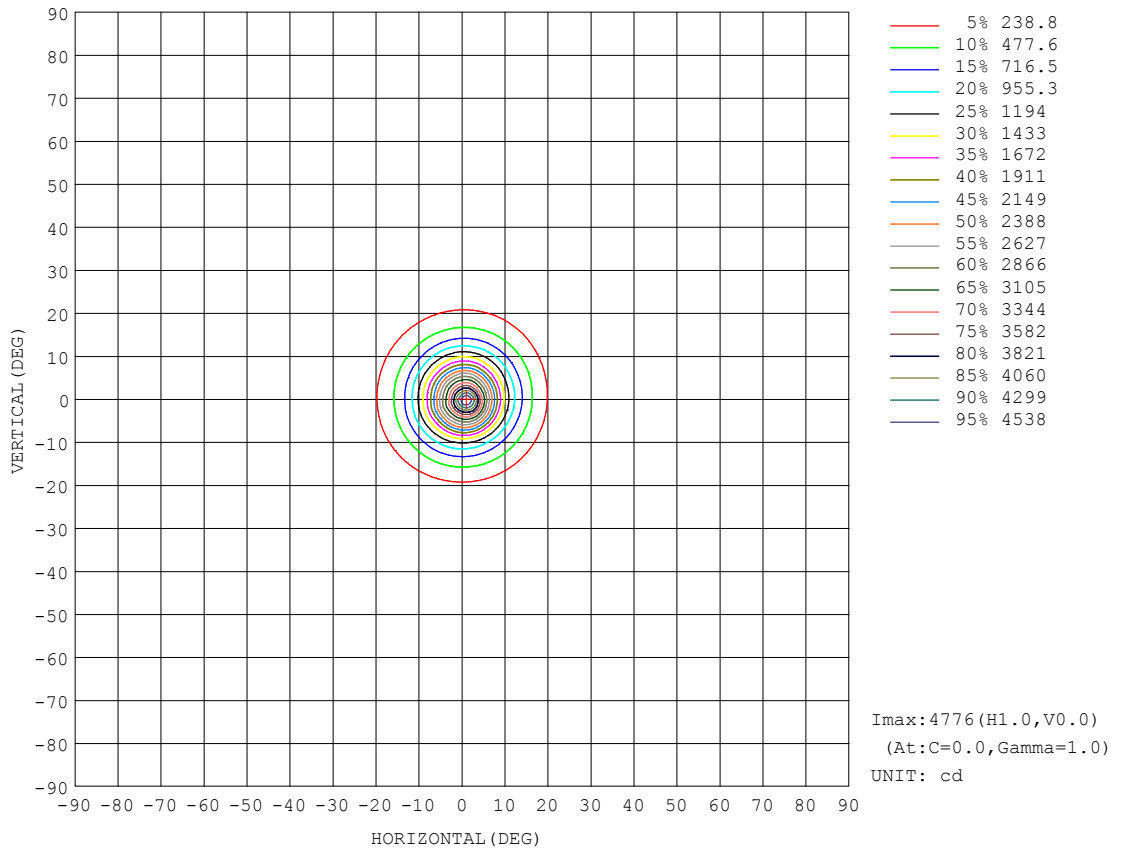
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	88	83	79	88	82	79	75
0.80	96	90	87	95	90	87	94	89	86	83
1.00	100	95	91	99	94	91	98	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	98	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	109	106	110	107	105	107	104	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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ISOCANDELA DIAGRAM

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SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

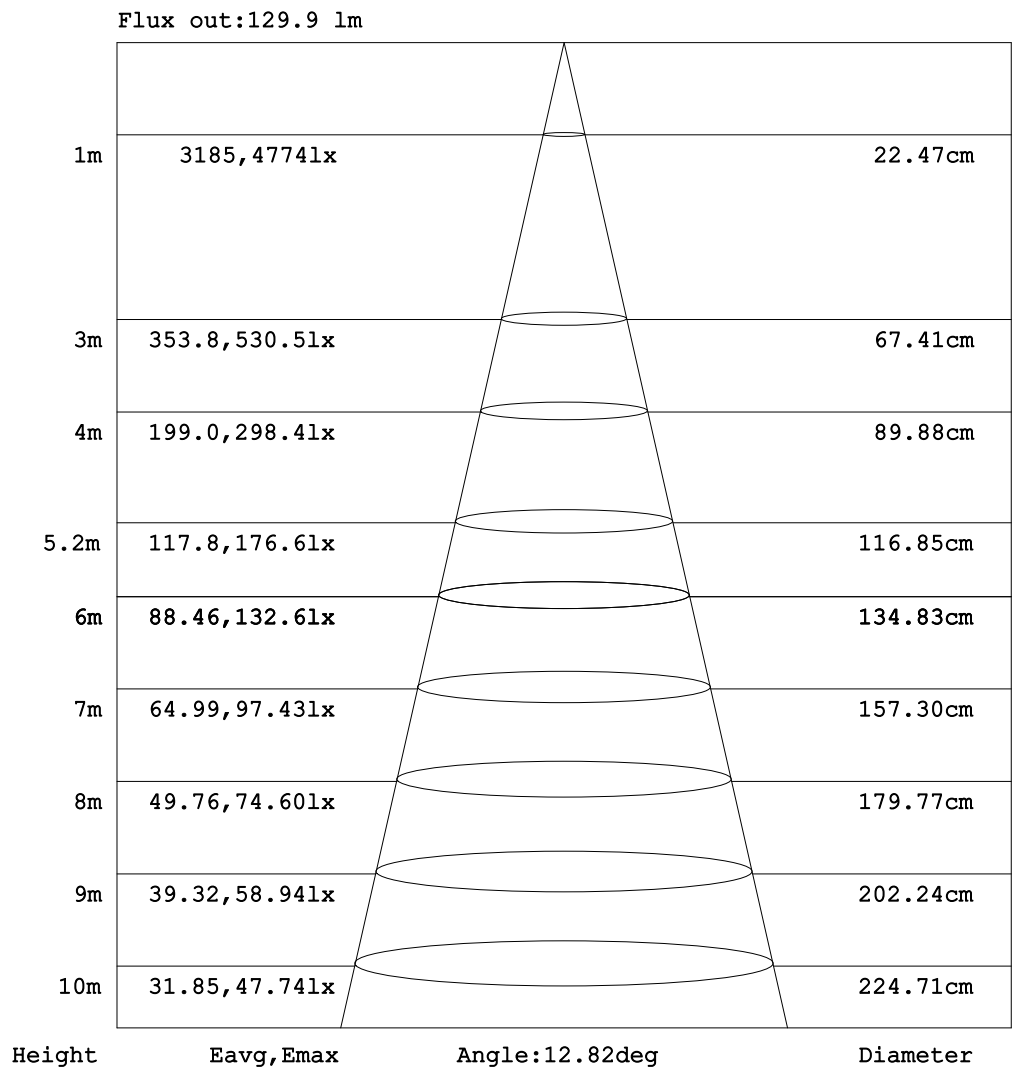


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AAI Figure

NAME: MR16-6-930-15D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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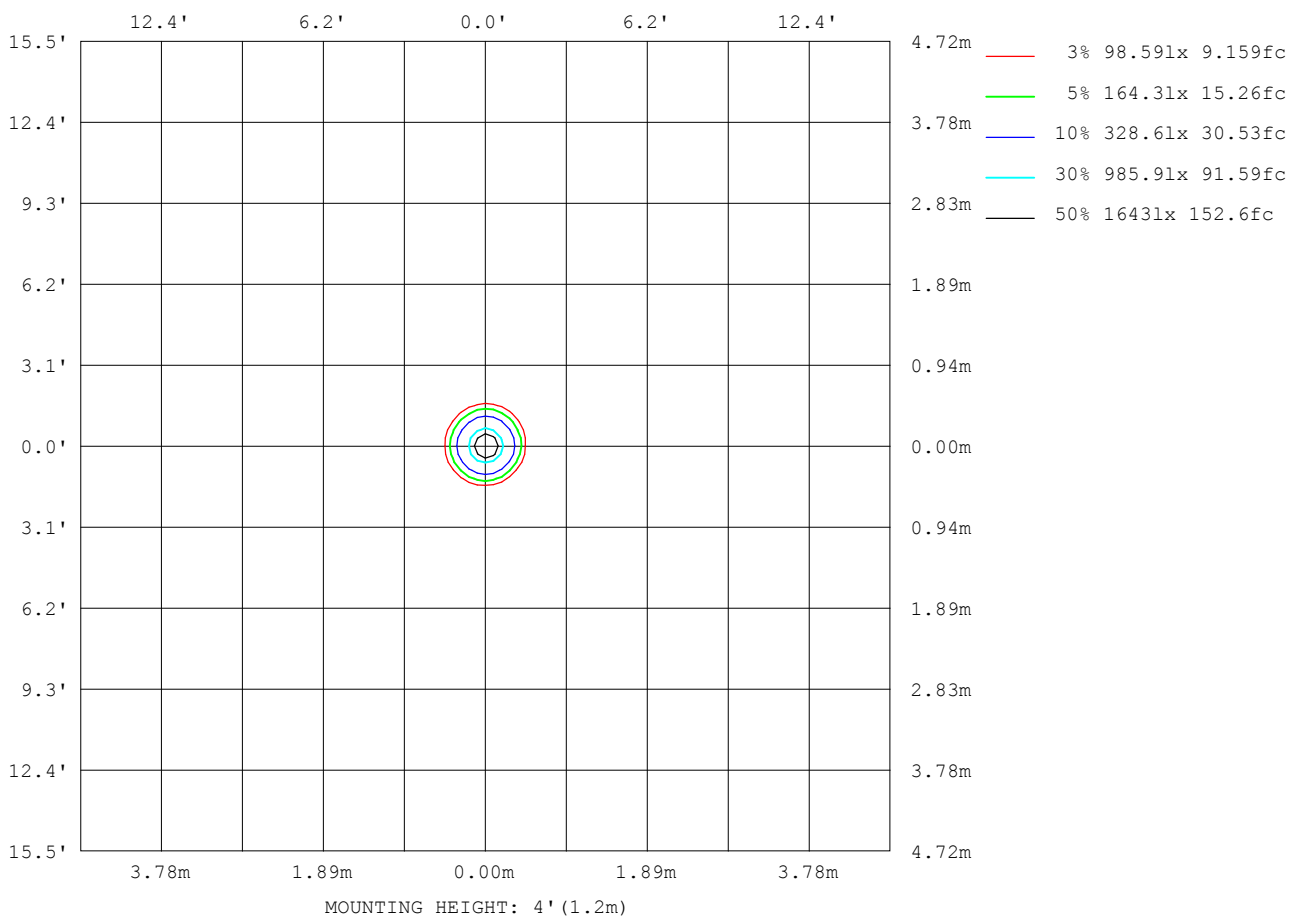
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

NAME: MR16-6-930-15D-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
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γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 1.148m [K=1.0000]
 Remarks:

LED Avg.L Report

NAME: MR16-6-930-15D-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

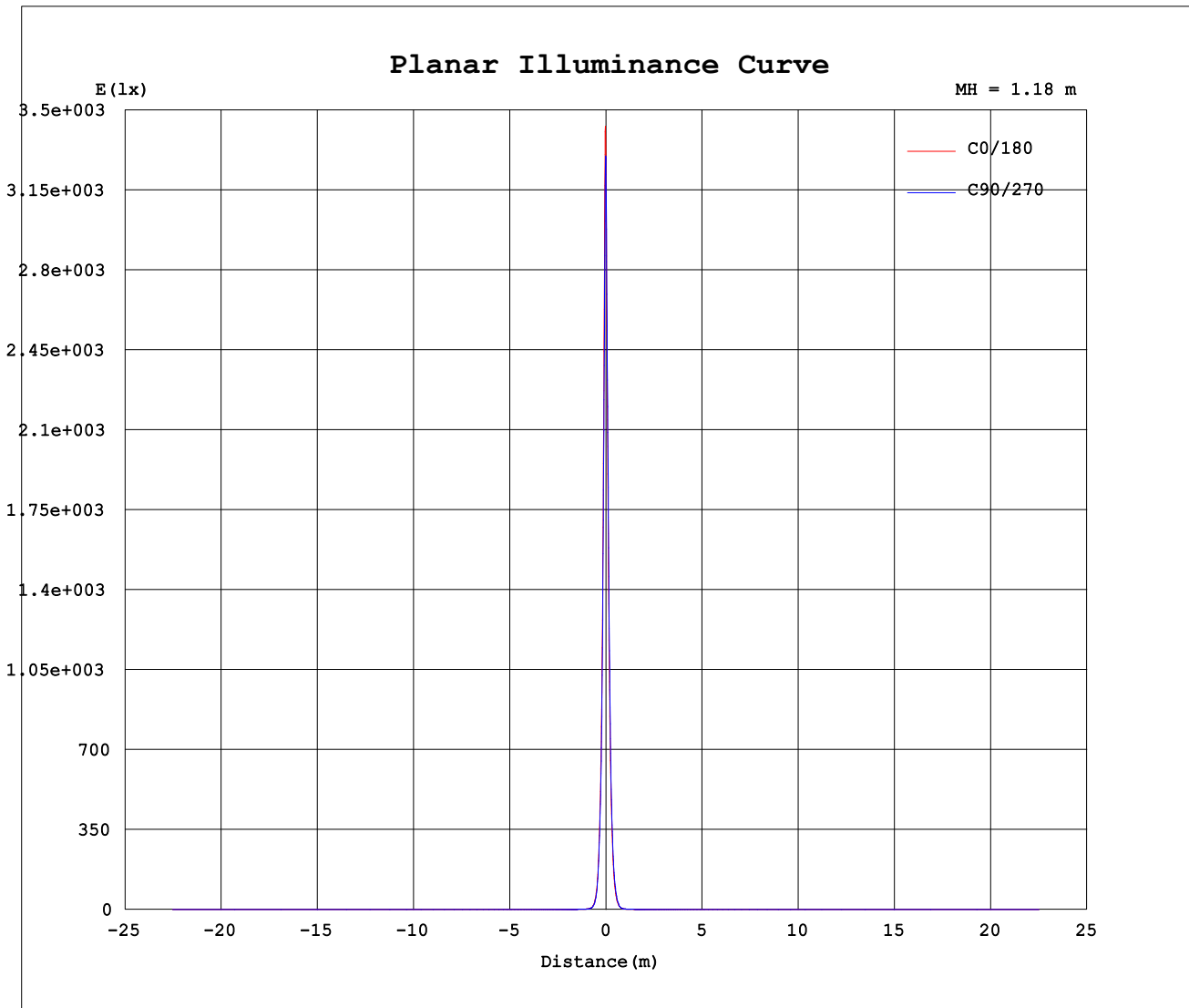
AvgL	cd/m2
L_0~180 (65) av	475
L_0~180 (75) av	378
L_0~180 (85) av	210
L_90~270 (65) av	477
L_90~270 (75) av	383
L_90~270 (85) av	210
L_45 (65) av	470
L_45 (75) av	376
L_45 (85) av	207

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-07-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:1.148m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-07-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 1.148m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: MR16-6-930-15D-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	4576	4569	4570	4574	4579	4585	4593	4604	4576	4569	4570	4574	4579	4585	4593	4604			
5	3198	3248	3207	3084	2952	2847	2780	2766	2687	2692	2763	2834	2941	3047	3073	3113			
10	1388	1359	1306	1260	1233	1226	1223	1237	1233	1266	1296	1346	1403	1433	1427	1398			
15	607	584	568	557	548	544	542	543	552	558	576	596	620	636	636	620			
20	230	221	213	207	206	211	219	226	229	235	246	258	271	274	265	248			
25	86.3	77.4	72.9	72.6	75.3	81.6	87.9	92.7	96.3	99.6	105	111	117	117	110	97.8			
30	30.3	27.5	26.3	26.3	27.7	29.6	33.3	35.8	37.7	38.5	39.6	41.6	43.1	42.2	38.6	33.8			
35	13.1	12.7	12.7	12.3	12.2	12.4	13.8	15.0	15.6	15.8	15.9	16.1	16.0	15.6	14.4	13.4			
40	8.85	8.68	8.81	8.45	8.03	7.73	8.00	8.18	8.64	8.52	8.89	8.78	9.09	9.21	8.99	8.95			
45	9.59	9.04	8.76	8.28	7.85	7.36	7.48	7.61	7.88	7.65	8.42	8.89	9.81	10.5	10.1	10.0			
50	9.31	8.38	8.22	7.72	7.25	6.89	6.87	7.15	7.29	7.16	7.77	8.03	8.68	9.08	9.18	9.64			
55	5.74	5.43	5.21	5.30	5.66	5.86	6.20	6.56	6.75	6.62	6.77	6.50	6.55	6.57	6.24	6.20			
60	5.25	5.02	4.94	5.06	5.47	5.68	5.91	6.18	6.35	6.28	6.37	6.11	6.10	6.05	5.67	5.58			
65	4.70	4.56	4.51	4.62	4.89	4.98	5.06	5.23	5.33	5.30	5.40	5.18	5.19	5.16	4.90	4.92			
70	3.73	3.65	3.61	3.63	3.77	3.75	3.72	3.80	3.85	3.87	3.96	3.85	3.89	3.93	3.79	3.84			
75	2.51	2.49	2.45	2.42	2.46	2.40	2.34	2.38	2.38	2.40	2.48	2.44	2.50	2.53	2.47	2.54			
80	1.42	1.41	1.39	1.34	1.32	1.25	1.21	1.22	1.20	1.21	1.26	1.28	1.32	1.35	1.34	1.41			
85	0.54	0.54	0.52	0.49	0.46	0.42	0.39	0.39	0.37	0.38	0.40	0.42	0.46	0.48	0.49	0.53			
90	0.06	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.05	0.06			
95	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04			
100	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05			
105	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.06			
110	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07			
115	0.09	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.09			
120	0.11	0.11	0.12	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.11	0.11			
125	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.13	0.13	0.12	0.12	0.13	0.14	0.15			
130	1.45	0.88	0.23	2.57	1.65	0.90	1.27	0.37	0.84	0.39	0.86	0.88	0.30	0.22	1.08	1.56			
135	0.22	0.21	0.22	0.21	0.18	0.17	0.18	0.22	0.17	0.17	0.23	0.21	0.16	0.17	0.21	0.23			
140	0.18	0.18	0.19	0.18	0.16	0.14	0.15	0.18	0.15	0.14	0.15	0.15	0.15	0.15	0.17	0.18			
145	0.20	0.38	0.22	0.18	0.16	0.16	0.15	0.18	0.16	0.15	0.15	0.16	0.21	0.30	0.17	0.17			
150	0.17	0.18	0.17	0.17	0.15	0.15	0.14	0.14	0.14	0.13	0.14	0.14	0.15	0.15	0.15	0.16			
155	0.17	0.18	0.18	0.18	0.17	0.16	0.16	0.15	0.14	0.14	0.15	0.14	0.13	0.15	0.15	0.16			
160	0.18	0.19	0.18	0.18	0.17	0.18	0.16	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.16			
165	0.19	0.20	0.19	0.20	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.15	0.18			
170	0.18	0.18	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.19	0.19	0.18	0.18			
175	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15			
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
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