

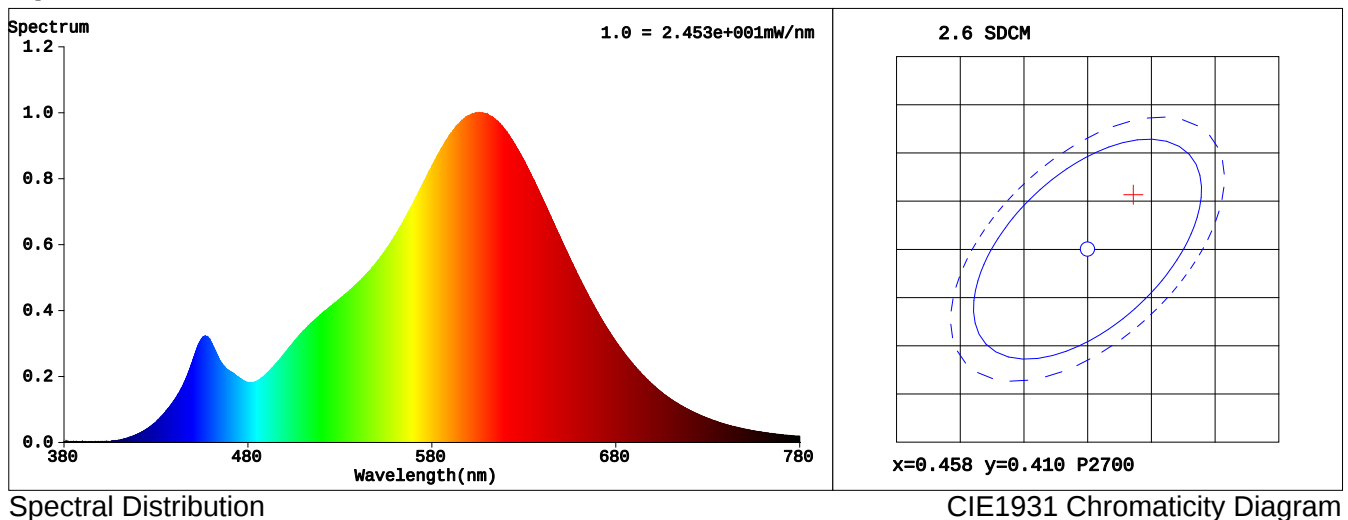
Spectrum Test Report

Sample	:	Date	: 2017-05-19 18:10:22
Specification	:	Sam. Status	:
Sample No.	: BR40-15-827-DIM	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: RAB Lighting Inc	Test by	:
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 24.5Deg	RH	: 30.1%
WL Range	: 380nm-780nm	IP	: 46728 (71%)
Test Mode	: Fast Test	T	: 95 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4616$ $y = 0.4156$ / $u' = 0.2614$ $v' = 0.5295$ ($duv=1.71e-03$)

CCT= 2715K Prcp WL: Ld=583.6nm Purity=63.3%

Peak WL: Lp=606nm FWHM: =117.2nm Ratio:R=26.6% G=71.3% B=2.0%

Render Index: Ra = 81.7 TM30:Rf=82 Rg=93

R1 =80 R2 =91 R3 =95 R4 =79 R5 =80 R6 =90 R7 =81

R8 =56 R9 =5 R10=81 R11=78 R12=74 R13=83 R14=98 R15=72

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 1128.3 lm Eff. : 82.12 lm/W Fe = 3.4729 W

Flux of emitted photons(umol/s):17.098 Fluo. and blue light ratio:11.66 Fluorescent eff.:228.2

Electrical parameters

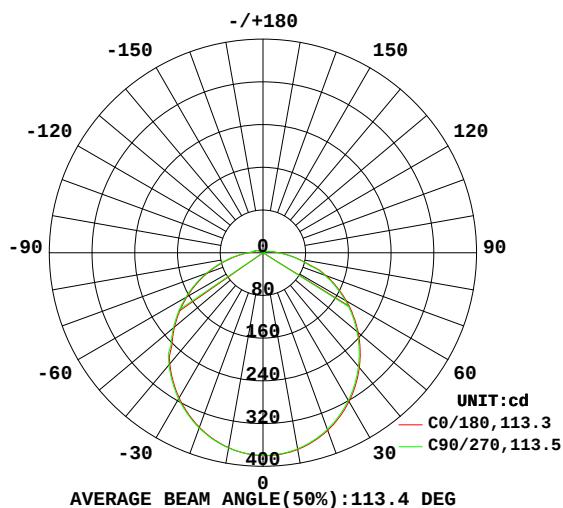
V = 120.0 V I = 0.1168 A P = 13.74 W PF = 0.9801

LUMINAIRE PHOTOMETRIC TEST REPORT

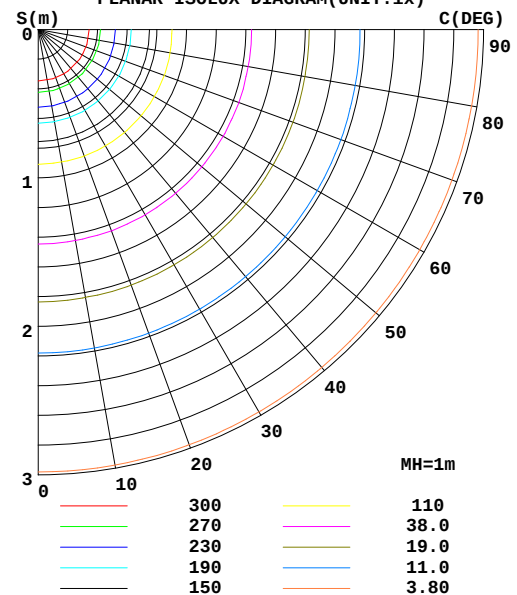
Test:U:120.08V I:0.1164A P:13.717W PF:0.9813 Freq:50.00Hz Lamp Flux:1184.1x1 lm		
NAME: BR40-15-827-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.32 lm/W			
MODEL		I _{max} (cd)	380.0	S/MH(C0/180)	1.24
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1184.1	η UP, DN(C0-180)	1.8, 49.0
NOMINAL FLUX(lm)	1184.1	CIE CLASS	DIRECT	η UP, DN(C180-360)	2.1, 47.0
LAMPS INSIDE	1	η up(%)	4.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	96.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-05-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:2.568m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

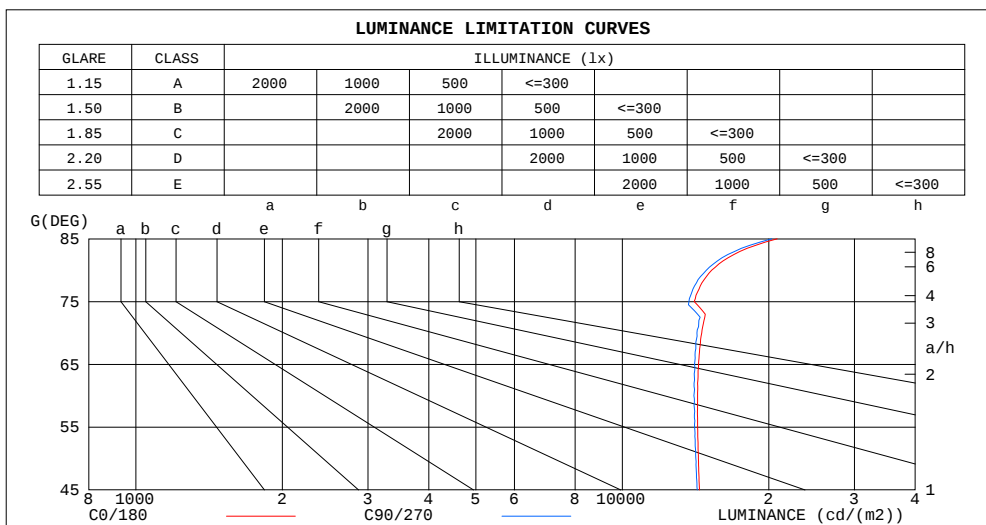
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	374.0	373.3	372.8	372.7	370.7	371.1	371.2	371.0	0- 10	35.87	35.87	3.03, 3.03
20	354.0	353.0	352.2	352.0	347.9	348.7	349.2	349.0	10- 20	102.4	138.3	11.7, 11.7
30	322.0	320.7	319.7	319.6	314.0	315.1	316.0	315.6	20- 30	154.6	292.9	24.7, 24.7
40	280.7	279.2	278.0	277.8	271.5	272.8	274.0	273.6	30- 40	186.3	479.2	40.5, 40.5
50	232.7	231.2	229.9	229.6	216.3	217.7	218.9	218.7	40- 50	193.1	672.4	56.8, 56.8
60	180.3	178.9	177.3	177.0	164.1	165.6	166.8	166.8	50- 60	177.6	850.0	71.8, 71.8
70	125.8	124.5	123.0	122.4	110.6	111.8	113.0	113.4	60- 70	143.7	993.7	83.9, 83.9
80	66.97	66.21	65.31	64.34	61.02	61.97	63.00	63.44	70- 80	94.87	1089	91.9, 91.9
90	30.00	29.95	29.69	29.25	27.52	28.25	28.73	28.43	80- 90	48.71	1137	96, 96
100	14.09	14.32	14.42	14.26	15.50	14.78	14.95	15.53	90-100	22.16	1159	97.9, 97.9
110	7.093	7.383	7.505	7.338	11.73	11.85	11.96	11.61	100-110	13.39	1173	99.1, 99.1
120	1.721	2.039	2.126	2.009	6.573	6.582	6.640	6.442	110-120	6.802	1180	99.6, 99.6
130	2.407	2.729	2.791	2.700	2.512	2.416	2.485	2.327	120-130	3.670	1183	99.9, 99.9
140	0	0	0	0	0	0	0	0	130-140	0.7740	1184	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	1184	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	1184	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	1184	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	1184	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: 2017-05-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 2.568m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.08V I:0.1164A P:13.717W PF:0.9813 Freq:50.00Hz Lamp Flux:1184.1x1 lm		
NAME: BR40-15-827-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



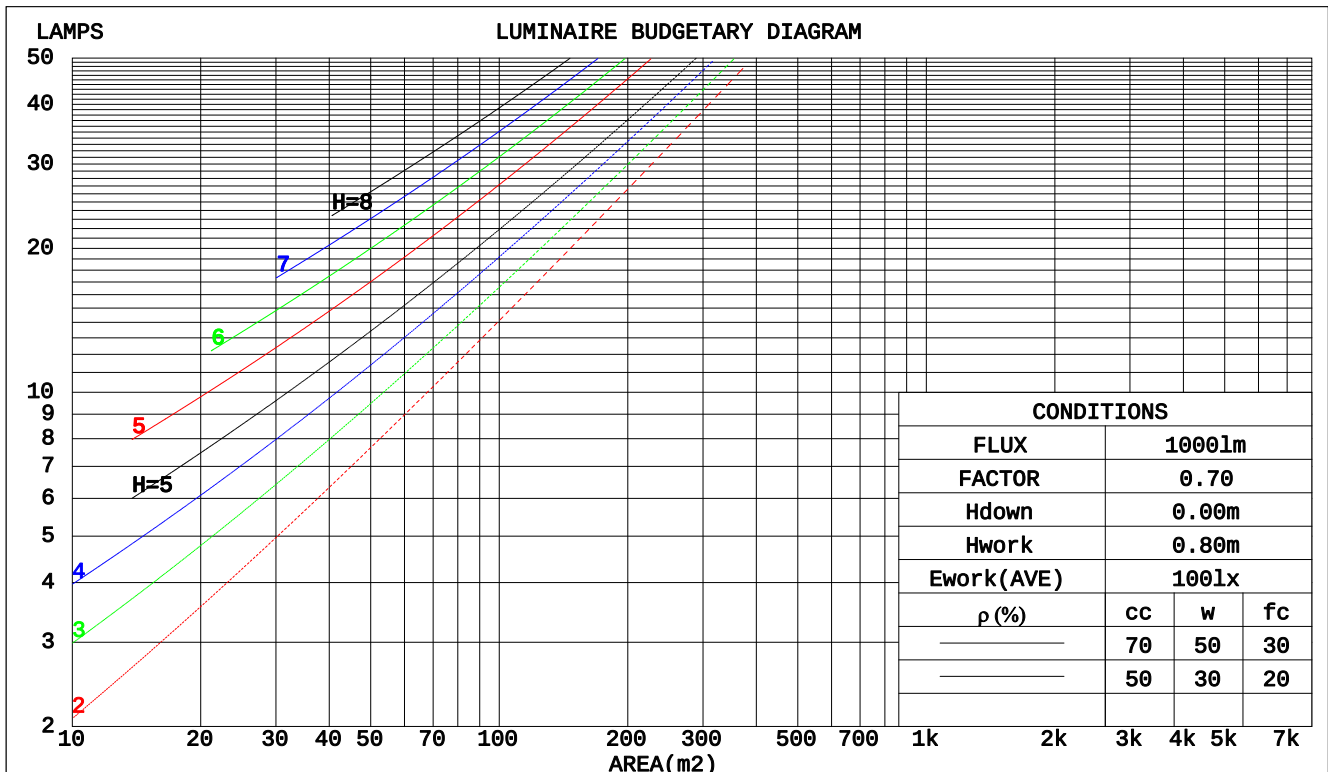
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C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-05-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 2.568m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.08V I:0.1164A P:13.717W PF:0.9813 Freq:50.00Hz Lamp Flux:1184.1x1 lm		
NAME: BR40-15-827-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.03	1.03	1.03	.98	.98	.98	.96
1.0	1.01	.97	.92	.99	.94	.91	.94	.90	.87	.89	.86	.84	.85	.83	.80	.78
2.0	.88	.81	.74	.86	.79	.73	.81	.76	.71	.77	.73	.69	.74	.70	.67	.64
3.0	.77	.68	.61	.75	.67	.61	.71	.65	.59	.68	.62	.58	.65	.60	.56	.54
4.0	.68	.59	.52	.66	.58	.51	.63	.56	.50	.60	.54	.49	.58	.52	.48	.46
5.0	.61	.51	.44	.59	.51	.44	.57	.49	.43	.54	.48	.42	.52	.46	.42	.39
6.0	.54	.45	.39	.53	.45	.38	.51	.43	.38	.49	.42	.37	.47	.41	.36	.34
7.0	.49	.40	.34	.48	.40	.34	.46	.39	.33	.45	.38	.33	.43	.37	.32	.30
8.0	.45	.36	.30	.44	.36	.30	.42	.35	.30	.41	.34	.29	.39	.33	.29	.27
9.0	.41	.33	.27	.40	.33	.27	.39	.32	.27	.38	.31	.26	.36	.30	.26	.24
10.0	.38	.30	.25	.37	.30	.25	.36	.29	.24	.35	.28	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-05-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 2.568m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.08V I:0.1164A P:13.717W PF:0.9813 Freq:50.00Hz Lamp Flux:1184.1x1 lm									
NAME: BR40-15-827-DIM					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.: RAB Lighting Inc					SUR.:			Shielding Angle:	

ρ_{cc}	80%			70%			50%			30%			10%			0		
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0		
ρ_{fc}	20%			20%			20%			20%			20%			0		
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)											
0.0																		
1.0	.339	.193	.061	.330	.188	.060	.315	.181	.058	.300	.173	.056	.287	.166	.054			
2.0	.308	.169	.052	.300	.165	.051	.286	.159	.049	.274	.153	.048	.262	.148	.047			
3.0	.280	.149	.045	.274	.146	.044	.261	.141	.043	.250	.137	.042	.239	.132	.041			
4.0	.256	.133	.039	.250	.131	.039	.239	.127	.038	.229	.123	.037	.219	.119	.036			
5.0	.235	.120	.035	.230	.118	.034	.220	.115	.034	.211	.111	.033	.202	.108	.032			
6.0	.217	.109	.031	.212	.107	.031	.203	.104	.030	.195	.101	.030	.187	.099	.029			
7.0	.201	.100	.028	.197	.098	.028	.189	.096	.028	.182	.093	.027	.175	.091	.027			
8.0	.188	.092	.026	.184	.090	.026	.176	.088	.025	.170	.086	.025	.163	.084	.024			
9.0	.175	.085	.024	.172	.084	.024	.165	.082	.023	.159	.080	.023	.153	.078	.023			
10.0	.165	.079	.022	.162	.078	.022	.156	.076	.021	.150	.074	.021	.145	.073	.021			

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.221	.221	.221	.189	.189	.189	.129	.129	.129	.074	.074	.074	.024	.024	.024	
1.0	.213	.186	.162	.182	.160	.140	.124	.110	.097	.072	.064	.056	.023	.020	.018	
2.0	.205	.162	.127	.176	.140	.109	.120	.097	.076	.069	.056	.045	.022	.018	.015	
3.0	.197	.145	.104	.169	.125	.090	.116	.087	.063	.067	.051	.037	.022	.016	.012	
4.0	.189	.132	.088	.163	.114	.077	.112	.079	.054	.065	.047	.032	.021	.015	.010	
5.0	.182	.122	.077	.156	.105	.067	.108	.074	.048	.062	.043	.028	.020	.014	.009	
6.0	.174	.113	.070	.150	.098	.061	.103	.069	.043	.060	.040	.026	.019	.013	.008	
7.0	.167	.107	.064	.144	.092	.056	.100	.065	.040	.058	.038	.024	.019	.013	.008	
8.0	.161	.101	.060	.139	.088	.052	.096	.061	.037	.056	.036	.022	.018	.012	.007	
9.0	.155	.096	.056	.133	.083	.049	.092	.059	.035	.054	.035	.021	.017	.011	.007	
10.0	.149	.092	.054	.128	.080	.047	.089	.056	.033	.052	.033	.020	.017	.011	.007	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-05-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:2.568m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.08V I:0.1164A P:13.717W PF:0.9813 Freq:50.00Hz Lamp Flux:1184.1x1 lm											
NAME: BR40-15-827-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		21.4	22.9	21.7	23.1	23.4	21.3	22.8	21.6	23.1	23.4
	3H	23.2	24.6	23.5	24.9	25.2	23.1	24.5	23.5	24.8	25.1
	4H	24.0	25.3	24.3	25.6	26.0	23.9	25.2	24.2	25.5	25.9
	6H	24.7	25.9	25.1	26.3	26.6	24.5	25.8	24.9	26.1	26.5
	8H	25.0	26.2	25.4	26.5	26.9	24.9	26.1	25.3	26.4	26.8
	12H	25.3	26.5	25.7	26.9	27.2	25.2	26.4	25.6	26.7	27.1
4H	2H	22.0	23.4	22.4	23.7	24.0	22.0	23.3	22.4	23.6	24.0
	3H	24.1	25.2	24.5	25.6	26.0	24.0	25.1	24.4	25.5	25.9
	4H	25.0	26.0	25.4	26.4	26.9	24.9	25.9	25.3	26.3	26.8
	6H	25.8	26.8	26.3	27.2	27.6	25.7	26.7	26.2	27.1	27.5
	8H	26.2	27.1	26.7	27.6	28.0	26.1	27.0	26.6	27.4	27.9
	12H	26.7	27.5	27.1	27.9	28.4	26.5	27.4	27.0	27.8	28.3
8H	4H	25.3	26.2	25.8	26.6	27.1	25.2	26.1	25.7	26.6	27.0
	6H	26.4	27.1	26.9	27.6	28.1	26.3	27.0	26.8	27.5	28.0
	8H	26.9	27.6	27.4	28.1	28.6	26.8	27.5	27.3	28.0	28.5
	12H	27.5	28.1	28.1	28.6	29.2	27.4	28.0	28.0	28.5	29.1
12H	4H	25.4	26.2	25.8	26.6	27.1	25.3	26.1	25.8	26.6	27.0
	6H	26.5	27.1	27.0	27.6	28.2	26.4	27.1	26.9	27.6	28.1
	8H	27.1	27.7	27.7	28.2	28.8	27.0	27.6	27.6	28.1	28.7
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 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, 1184 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.6$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-05-25

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:2.568m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.08V I:0.1164A P:13.717W PF:0.9813 Freq:50.00Hz Lamp Flux:1184.1x1 lm		
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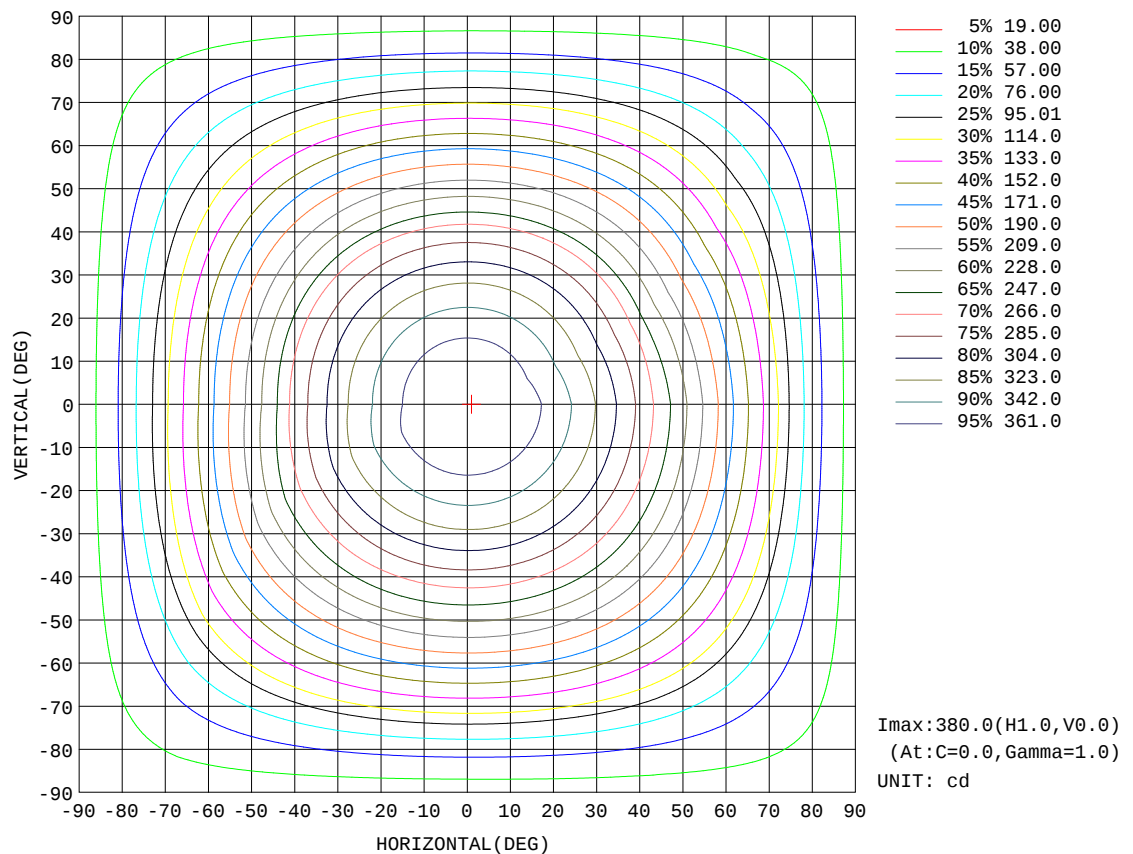
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	55	43	36	54	43	36	53	42	36	29
0.80	65	53	45	64	52	45	62	51	44	37
1.00	73	61	54	72	61	53	69	62	53	45
1.25	80	69	61	78	68	61	75	66	60	52
1.50	85	74	67	83	73	66	80	71	65	57
2.00	92	82	75	90	81	75	86	79	73	64
2.50	96	87	81	94	86	80	89	83	77	68
3.00	99	92	86	97	90	84	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	91	80
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
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 Test Speed: HIGH
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ISOCANDELA DIAGRAM

Test:U:120.08V I:0.1164A P:13.717W PF:0.9813 Freq:50.00Hz Lamp Flux:1184.1x1 lm		
NAME: BR40-15-827-DIM	TYPE:	WEIGHT:
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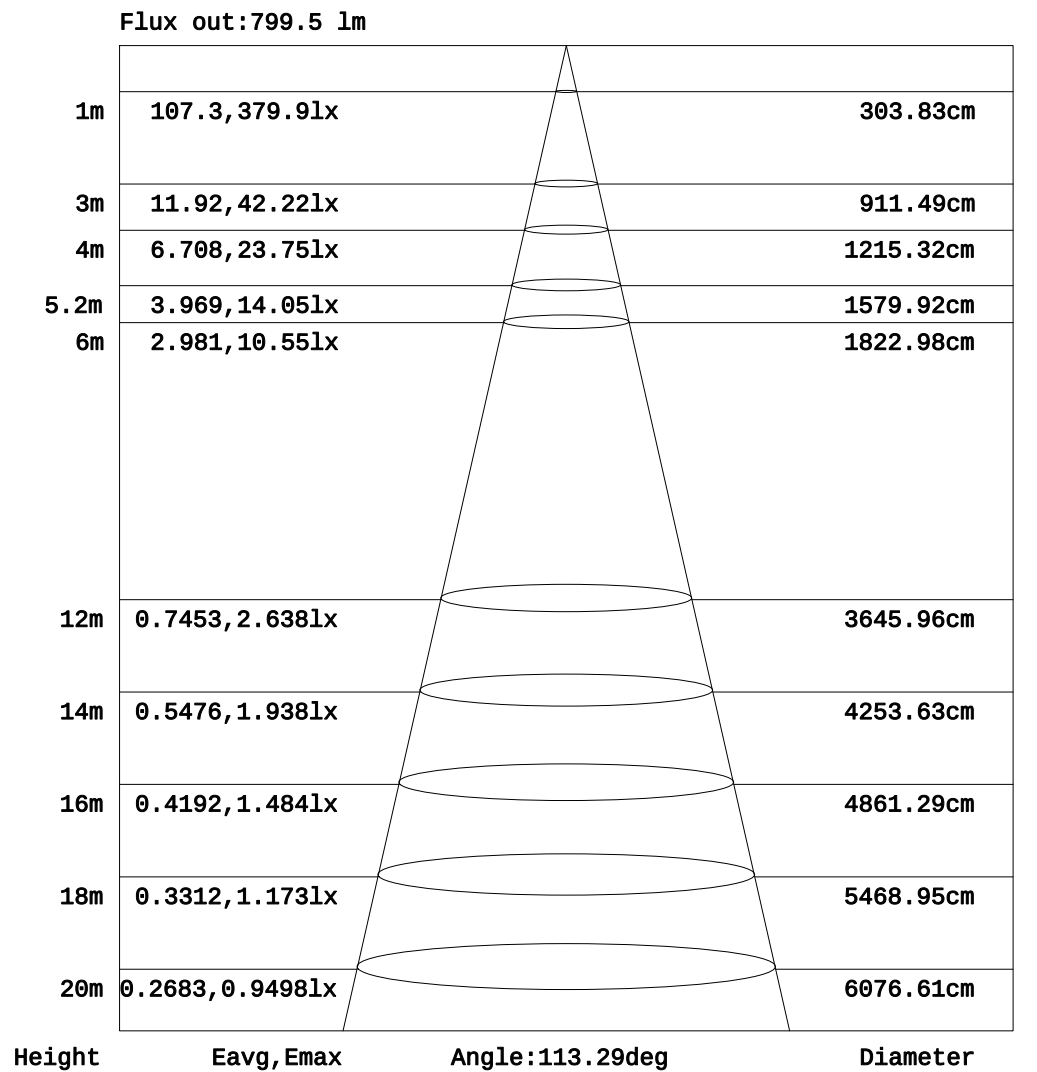


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AAI Figure

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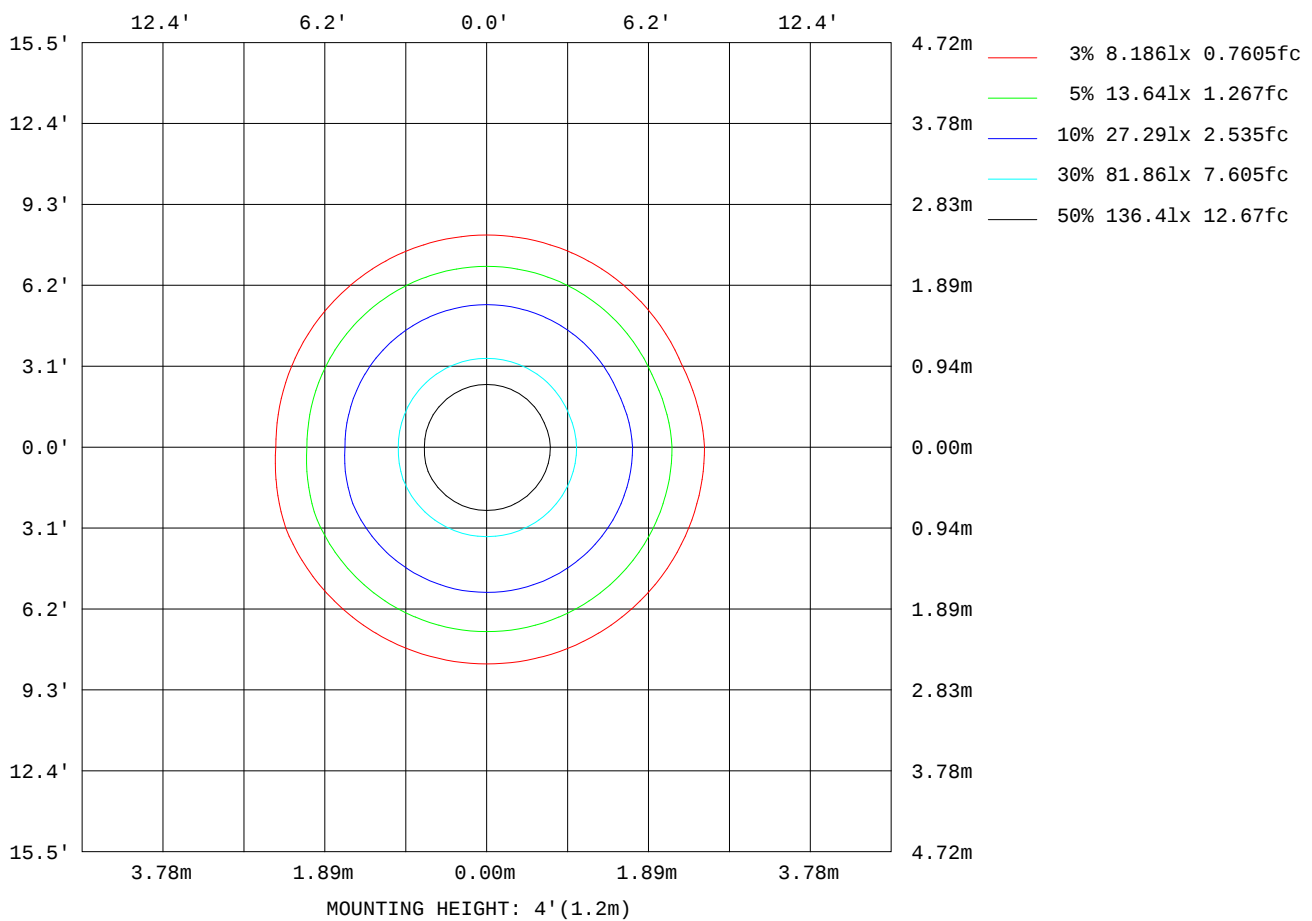
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
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 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:2.568m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.08V I:0.1164A P:13.717W PF:0.9813 Freq:50.00Hz Lamp Flux:1184.1x1 lm		
NAME: BR40-15-827-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: 2017-05-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 2.568m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.08V I:0.1164A P:13.717W PF:0.9813 Freq:50.00Hz Lamp Flux:1184.1x1 lm		
NAME: BR40-15-827-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

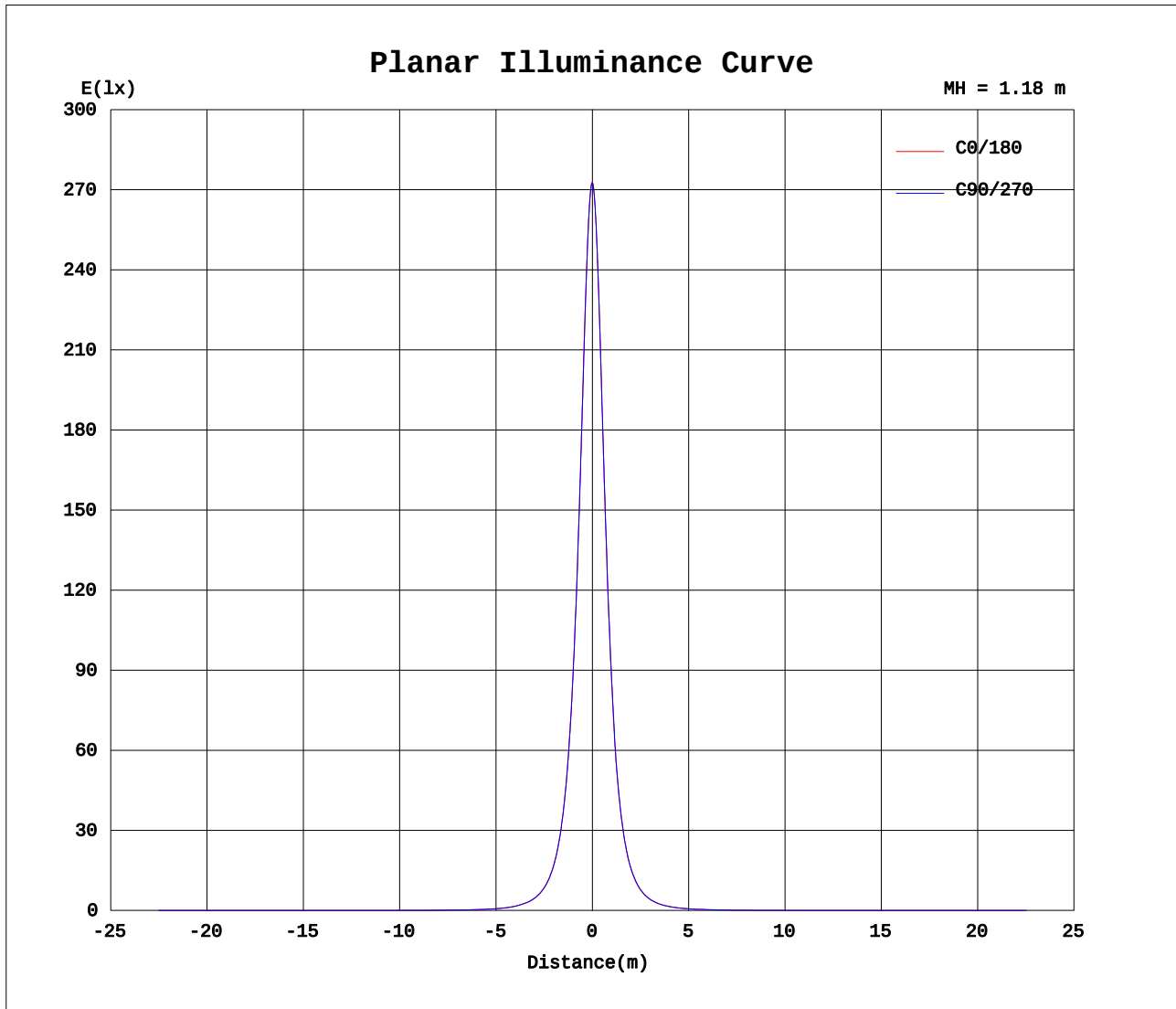
AvgL	cd/m2
L_0~180(65)av	13602
L_0~180(75)av	13495
L_0~180(85)av	19802
L_90~270(65)av	13583
L_90~270(75)av	13489
L_90~270(85)av	19954
L_45(65)av	13593
L_45(75)av	13491
L_45(85)av	19874

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-05-25

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:2.568m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-05-25

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 2.568m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.08V I:0.1164A P:13.717W PF:0.9813 Freq:50.00Hz Lamp Flux:1184.1x1 lm																	
NAME: BR40-15-827-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	380	380	380	379	379	379	379	379	380	380	380	379	379	379	379	379			
5	379	379	378	378	378	378	378	378	377	377	377	377	377	377	377	377			
10	374	374	373	373	373	373	373	373	371	371	371	371	371	371	371	371			
15	366	365	365	364	364	364	364	364	361	361	361	362	362	362	362	361			
20	354	354	353	352	352	352	352	352	348	348	349	349	349	349	349	349			
25	339	339	338	338	337	337	337	337	332	333	333	334	334	334	333	333			
30	322	322	321	320	320	320	320	320	314	315	315	316	316	316	316	315			
35	302	302	301	300	300	300	300	300	294	294	295	295	296	296	295	295			
40	281	280	279	278	278	278	278	278	271	272	273	274	274	274	274	273			
45	257	257	256	255	255	255	254	255	241	242	242	243	243	244	243	243			
50	233	232	231	230	230	230	230	230	216	217	218	218	219	219	219	218			
55	207	206	205	205	204	204	204	204	191	191	192	193	193	194	193	193			
60	180	180	179	178	177	177	177	177	164	165	166	166	167	167	167	166			
65	153	153	152	151	150	150	150	150	137	138	139	139	140	140	140	140			
70	126	125	125	124	123	123	122	123	111	111	112	112	113	114	113	113			
75	91.9	91.5	90.8	90.1	89.6	89.3	88.8	89.0	84.6	85.1	85.7	86.6	86.8	87.4	87.4	86.8			
80	67.0	66.7	66.2	65.6	65.3	64.8	64.3	64.6	61.0	61.4	62.0	62.9	63.0	63.5	63.4	62.9			
85	45.8	45.6	45.3	45.0	44.6	44.4	44.1	44.1	41.4	41.8	42.3	43.0	43.2	43.4	43.2	42.8			
90	30.0	30.0	30.0	30.0	29.7	29.5	29.2	29.2	27.5	27.8	28.2	28.5	28.7	28.7	28.4	28.1			
95	20.1	20.2	20.3	20.3	20.2	20.1	19.9	19.9	18.8	19.0	19.3	19.4	19.6	19.5	19.2	18.9			
100	14.1	14.2	14.3	14.4	14.4	14.4	14.3	14.2	15.5	15.6	14.8	14.9	15.0	14.8	15.5	15.3			
105	10.3	10.4	10.6	10.6	10.7	10.6	10.5	10.5	14.8	14.8	15.0	15.1	15.1	14.9	14.7	14.6			
110	7.09	7.26	7.38	7.47	7.50	7.37	7.34	7.29	11.7	11.7	11.8	11.9	12.0	11.8	11.6	11.5			
115	4.25	4.43	4.56	4.59	4.65	4.59	4.53	4.48	9.00	8.99	9.07	9.15	9.16	9.04	8.89	8.77			
120	1.72	1.91	2.04	2.15	2.13	2.08	2.01	1.97	6.57	6.54	6.58	6.65	6.64	6.55	6.44	6.29			
125	4.37	4.57	4.70	4.79	4.77	4.74	4.67	4.63	4.42	4.35	4.37	4.43	4.42	4.35	4.27	4.10			
130	2.41	2.60	2.73	2.80	2.79	2.78	2.70	2.66	2.51	2.43	2.42	2.48	2.49	2.42	2.33	2.19			
135	0.70	0.89	1.02	1.07	1.07	1.07	1.00	0.96	0.85	0.76	0.70	0.75	0.77	0.74	0.64	0.54			
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	0.00	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			
160	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			
165	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			
170	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			
175	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			
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:
Test Date:2017-05-25

γ Range: 0 - 180DEG
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