

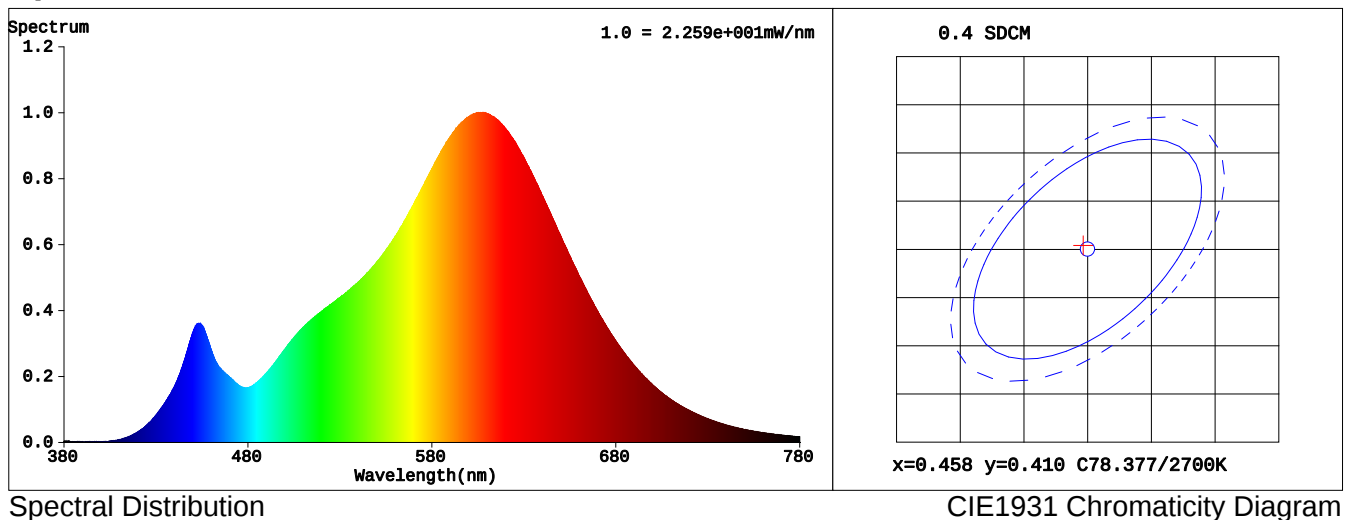
Spectrum Test Report

Sample	:	Date	: 2017-04-04 03:32:18
Specification	:	Sam. Status	:
Sample No.	: BR40-13-827-DIM	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: RAB Lighting Inc	Test by	:
Assessor	: damin		
Remark	:		

Test Condition

Temperature	: 24.9Deg	RH	: 30.1%
WL Range	: 380nm-780nm	IP	: 53403 (81%)
Test Mode	: Fast Test	T	: 113 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4573$ $y = 0.4102$ / $u' = 0.2610$ $v' = 0.5268$ ($duv=7.97e-05$)

CCT= 2733K Prcp WL: Ld=584.0nm Purity=60.4%

Peak WL: Lp=608nm FWHM: =118.0nm Ratio:R=26.7% G=71.2% B=2.0%

Render Index: Ra = 82.7 TM30:Rf=83 Rg=96

R1 =81 R2 =92 R3 =96 R4 =80 R5 =82 R6 =91 R7 =82

R8 =58 R9 =9 R10=82 R11=80 R12=77 R13=84 R14=98 R15=73

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 1040.6 lm Eff. : 87.38 lm/W Fe = 3.2334 W

Flux of emitted photons(umol/s):15.886 Fluo. and blue light ratio:11.20 Fluorescent eff.:240.0

Electrical parameters

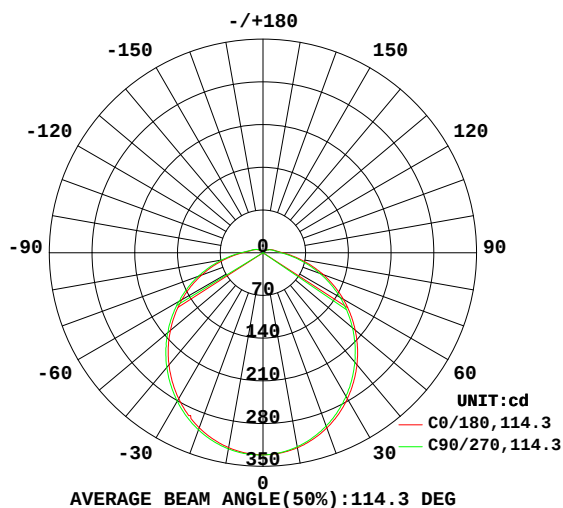
V = 120.0 V I = 0.1031 A P = 11.91 W PF = 0.9628

LUMINAIRE PHOTOMETRIC TEST REPORT

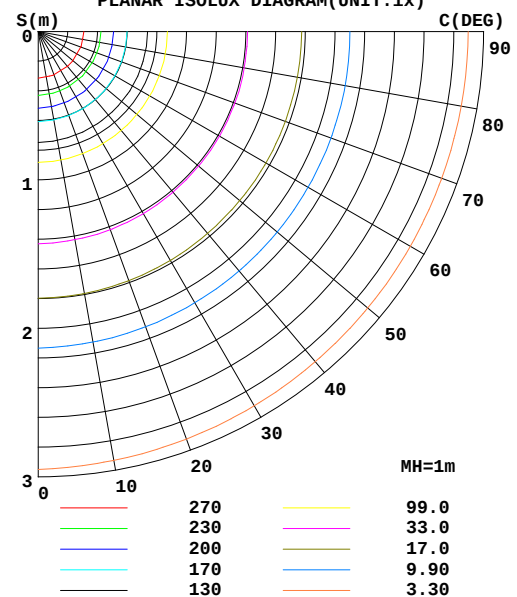
Test:U:120.10V I:0.1031A P:11.918W PF:0.9625 Freq:50.00Hz Lamp Flux:1084.45x1 lm		
NAME: BR40-13-827-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 90.99 lm/W			
MODEL		I _{max} (cd)	331.5	S/MH(C0/180)	1.24
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1084.5	η UP, DN(C0-180)	3.3, 45.7
NOMINAL FLUX(lm)	1084.45	CIE CLASS	DIRECT	η UP, DN(C180-360)	3.5, 47.4
LAMPS INSIDE	1	η up(%)	6.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	93.2	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: 2017-04-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 2.517m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

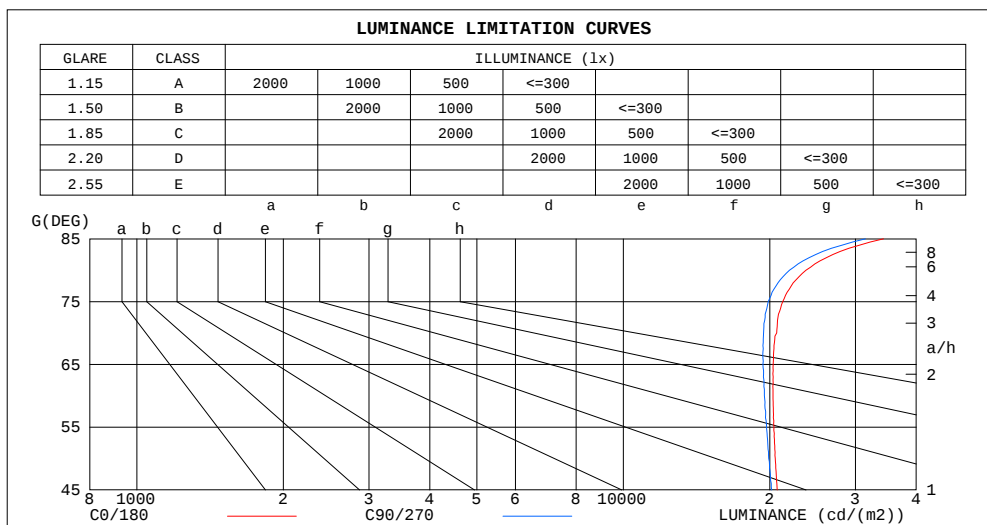
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	324.5	322.8	322.8	324.6	324.3	326.1	326.4	324.8	0- 10	31.30	31.30	2.89, 2.89
20	305.5	302.4	302.3	305.4	305.3	308.5	308.8	306.0	10- 20	89.27	120.6	11.1, 11.1
30	276.4	272.1	271.9	276.0	276.3	280.5	281.0	277.2	20- 30	134.6	255.2	23.5, 23.5
40	239.5	234.4	234.0	238.8	239.5	244.6	245.2	240.7	30- 40	161.9	417.1	38.5, 38.5
50	197.3	191.8	191.3	196.5	198.2	203.4	203.9	198.3	40- 50	169.2	586.3	54.1, 54.1
60	151.8	146.2	145.7	150.8	153.3	158.7	159.2	154.2	50- 60	156.9	743.2	68.5, 68.5
70	105.7	99.65	99.29	104.2	107.2	112.2	112.7	107.9	60- 70	128.0	871.2	80.3, 80.3
80	61.62	57.27	57.02	60.88	64.05	68.02	68.44	64.68	70- 80	88.44	959.6	88.5, 88.5
90	32.59	30.34	30.23	32.14	33.79	35.68	36.00	34.16	80- 90	50.57	1010	93.2, 93.2
100	20.62	19.73	19.62	20.37	20.73	21.46	21.66	21.16	90-100	28.27	1038	95.8, 95.8
110	14.97	14.32	14.22	14.74	14.97	15.28	15.57	15.24	100-110	18.68	1057	97.5, 97.5
120	10.36	9.861	9.732	10.10	10.47	10.77	10.97	10.74	110-120	12.53	1070	98.6, 98.6
130	6.845	6.466	6.330	6.581	6.921	7.135	7.324	7.196	120-130	7.693	1077	99.3, 99.3
140	4.159	3.873	3.732	3.874	4.182	4.330	4.518	4.454	130-140	4.236	1082	99.7, 99.7
150	2.194	1.996	1.870	1.877	2.132	2.234	2.436	2.312	140-150	1.960	1084	99.9, 99.9
160	1.027	0.9240	0.8319	0.6907	0.8502	0.8805	1.071	1.145	150-160	0.6935	1084	100, 100
170	0.4590	0.3457	0.2795	0.1481	0.2313	0.2577	0.4219	0.5050	160-170	0.1800	1084	100, 100
180	0	0	0	0	0	0	0	0	170-180	0.0156	1084	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: 2017-04-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 2.517m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.10V I:0.1031A P:11.918W PF:0.9625 Freq:50.00Hz Lamp Flux:1084.45x1 lm		
NAME: BR40-13-827-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	34259	31452
80	23734	21966
75	21266	19859
70	20670	19418
65	20333	19368
60	20309	19493
55	20398	19682
50	20531	19905
45	20712	20173

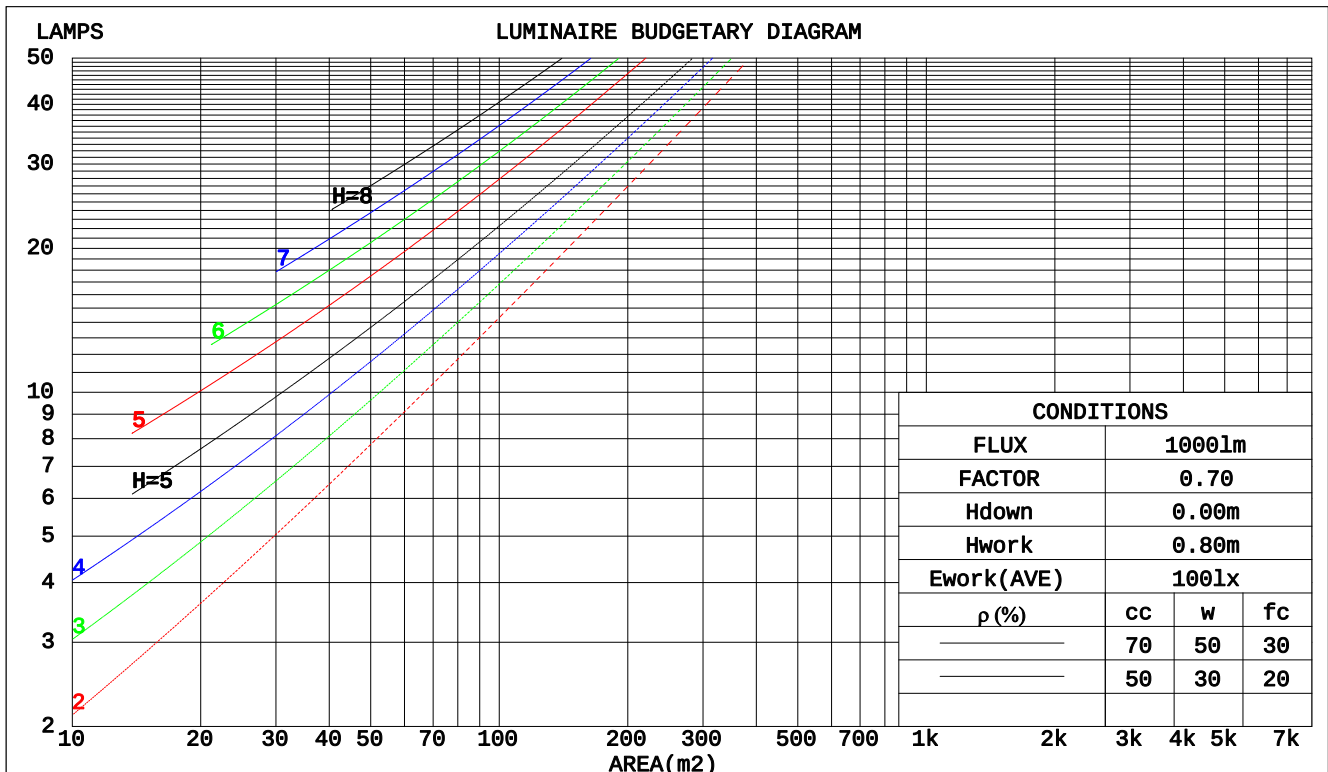
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Humidity: 65.0%
Test Distance: 2.517m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.1031A P:11.918W PF:0.9625 Freq:50.00Hz Lamp Flux:1084.45x1 lm		
NAME: BR40-13-827-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	1.17	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	.96	.91	.97	.93	.89	.92	.88	.85	.87	.84	.81	.82	.80	.78	.75
2.0	.87	.79	.73	.84	.78	.72	.80	.74	.69	.75	.71	.67	.71	.67	.64	.61
3.0	.76	.67	.60	.74	.66	.59	.70	.63	.57	.66	.60	.56	.63	.58	.54	.51
4.0	.67	.58	.51	.65	.57	.50	.62	.54	.49	.59	.52	.47	.56	.50	.46	.43
5.0	.60	.50	.44	.58	.50	.43	.55	.48	.42	.53	.46	.41	.50	.44	.40	.37
6.0	.54	.45	.38	.52	.44	.37	.50	.42	.37	.47	.41	.36	.45	.39	.35	.33
7.0	.49	.40	.33	.47	.39	.33	.45	.38	.32	.43	.37	.32	.41	.35	.31	.29
8.0	.44	.36	.30	.43	.35	.29	.41	.34	.29	.40	.33	.28	.38	.32	.28	.26
9.0	.41	.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	.28	.23	.32	.27	.23	.21



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-04-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 2.517m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.10V I:0.1031A P:11.918W PF:0.9625 Freq:50.00Hz Lamp Flux:1084.45x1 lm									
NAME: BR40-13-827-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	.345	.196	.062	.336	.192	.061	.319	.183	.058	.303	.175	.056	.288	.167	.054		
2.0	.311	.170	.052	.303	.167	.051	.287	.160	.050	.273	.153	.048	.260	.147	.046		
3.0	.282	.150	.045	.274	.147	.044	.261	.141	.043	.248	.136	.042	.236	.131	.040		
4.0	.257	.134	.039	.250	.131	.039	.238	.126	.038	.226	.122	.037	.216	.117	.036		
5.0	.236	.120	.035	.230	.118	.034	.219	.114	.034	.208	.110	.033	.198	.106	.032		
6.0	.217	.109	.031	.212	.107	.031	.202	.103	.030	.192	.100	.029	.184	.097	.029		
7.0	.201	.100	.028	.197	.098	.028	.187	.095	.027	.179	.092	.027	.171	.089	.026		
8.0	.187	.092	.026	.183	.090	.025	.175	.087	.025	.167	.085	.024	.160	.082	.024		
9.0	.175	.085	.024	.171	.083	.023	.164	.081	.023	.157	.079	.022	.150	.076	.022		
10.0	.164	.079	.022	.161	.078	.022	.154	.075	.021	.147	.073	.021	.141	.071	.020		

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	.243	.243	.243	.207	.207	.207	.142	.142	.142	.081	.081	.081	.026	.026	.026	
1.0	.235	.208	.184	.201	.179	.158	.138	.123	.110	.079	.071	.064	.025	.023	.021	
2.0	.228	.185	.149	.195	.159	.128	.134	.110	.090	.077	.064	.053	.025	.021	.017	
3.0	.220	.168	.126	.189	.145	.109	.129	.100	.077	.075	.059	.045	.024	.019	.015	
4.0	.212	.155	.111	.182	.134	.096	.125	.093	.068	.072	.055	.040	.023	.018	.013	
5.0	.205	.144	.100	.176	.125	.087	.121	.087	.061	.070	.051	.036	.023	.017	.012	
6.0	.197	.136	.092	.170	.118	.080	.117	.083	.057	.068	.049	.034	.022	.016	.011	
7.0	.190	.129	.087	.164	.112	.076	.113	.079	.054	.066	.046	.032	.021	.015	.011	
8.0	.184	.124	.083	.158	.107	.072	.109	.075	.051	.064	.044	.030	.021	.015	.010	
9.0	.178	.119	.079	.153	.103	.069	.106	.073	.049	.062	.043	.029	.020	.014	.010	
10.0	.172	.115	.077	.148	.100	.067	.103	.070	.047	.060	.041	.028	.019	.014	.009	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-04-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:2.517m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.10V I:0.1031A P:11.918W PF:0.9625 Freq:50.00Hz Lamp Flux:1084.45x1 lm											
NAME: BR40-13-827-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	22.5	23.9	22.8	24.3	24.6	22.3	23.8	22.7	24.1	24.5	
	3H	24.3	25.6	24.7	26.0	26.4	24.0	25.4	24.4	25.8	26.1
	4H	25.1	26.4	25.5	26.8	27.2	24.8	26.1	25.3	26.5	26.9
	6H	25.9	27.1	26.3	27.5	27.9	25.6	26.8	26.0	27.2	27.6
	8H	26.3	27.5	26.7	27.9	28.3	26.0	27.1	26.4	27.5	28.0
	12H	26.7	27.8	27.2	28.3	28.7	26.4	27.5	26.8	27.9	28.4
4H	2H	23.1	24.4	23.5	24.8	25.2	23.0	24.3	23.4	24.6	25.0
	3H	25.1	26.2	25.5	26.6	27.1	24.9	26.0	25.3	26.4	26.9
	4H	26.0	27.1	26.5	27.5	28.0	25.8	26.9	26.3	27.3	27.8
	6H	27.0	27.9	27.5	28.4	28.9	26.7	27.7	27.2	28.1	28.7
	8H	27.5	28.4	28.0	28.9	29.4	27.2	28.1	27.7	28.6	29.1
	12H	28.0	28.8	28.6	29.3	29.9	27.7	28.5	28.2	29.0	29.6
8H	4H	26.4	27.2	26.9	27.7	28.3	26.2	27.1	26.7	27.6	28.1
	6H	27.6	28.3	28.1	28.8	29.4	27.3	28.1	27.9	28.6	29.2
	8H	28.2	28.9	28.8	29.4	30.0	27.9	28.6	28.5	29.1	29.7
	12H	28.9	29.5	29.5	30.1	30.7	28.6	29.2	29.2	29.7	30.4
12H	4H	26.4	27.2	27.0	27.7	28.3	26.2	27.0	26.8	27.6	28.1
	6H	27.7	28.3	28.3	28.9	29.5	27.5	28.1	28.0	28.7	29.3
	8H	28.4	29.0	29.0	29.5	30.2	28.2	28.7	28.7	29.3	29.9
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, 1084 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.3$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-02

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:2.517m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.10V I:0.1031A P:11.918W PF:0.9625 Freq:50.00Hz Lamp Flux:1084.45x1 lm		
NAME: BR40-13-827-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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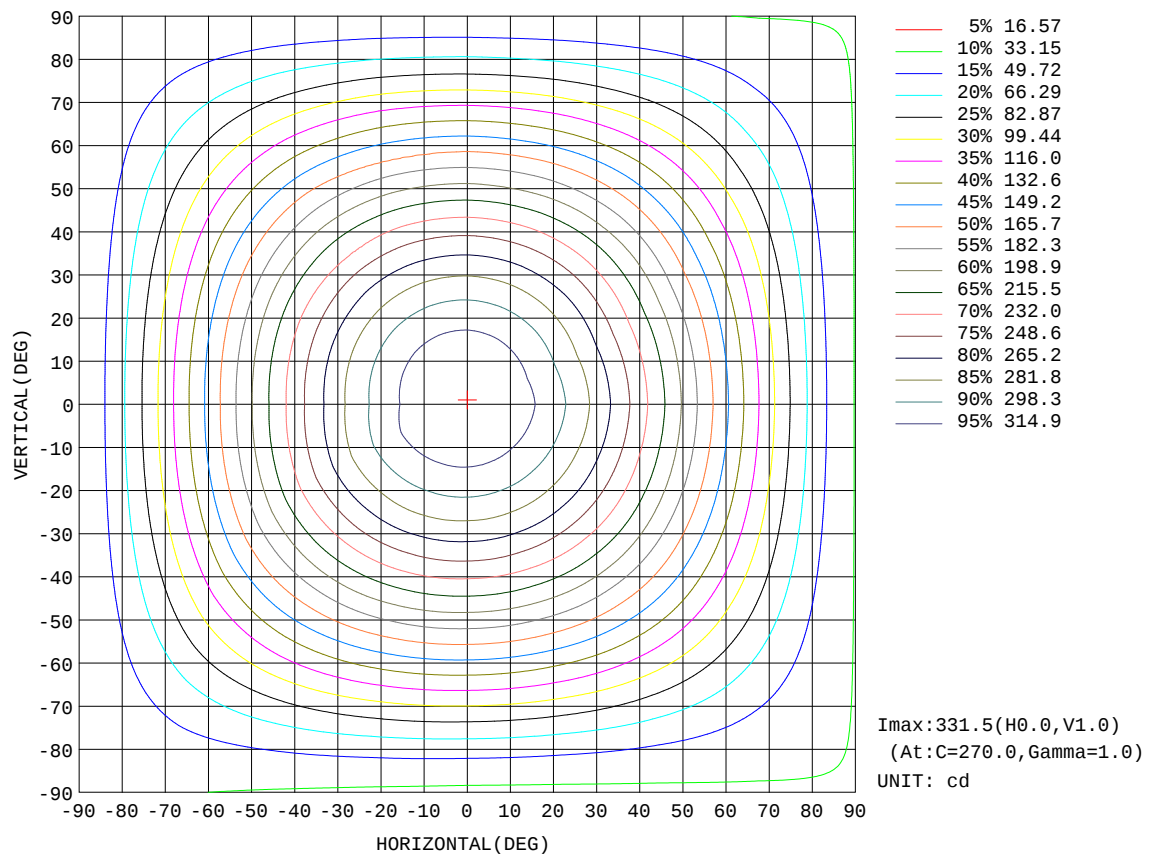
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	51	41	34	28
0.80	63	51	44	62	51	43	60	50	43	36
1.00	71	60	52	70	59	51	67	60	51	43
1.25	78	67	59	77	66	59	73	64	58	49
1.50	83	73	65	81	71	64	78	69	63	54
2.00	90	81	74	88	79	73	84	76	71	61
2.50	95	86	79	92	84	78	87	81	75	65
3.00	98	90	84	95	88	82	90	84	80	69
4.00	102	96	90	99	93	88	94	89	85	74
5.00	105	99	94	102	97	92	96	92	88	77
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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 Test Speed: HIGH
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ISOCANDELA DIAGRAM

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NAME: BR40-13-827-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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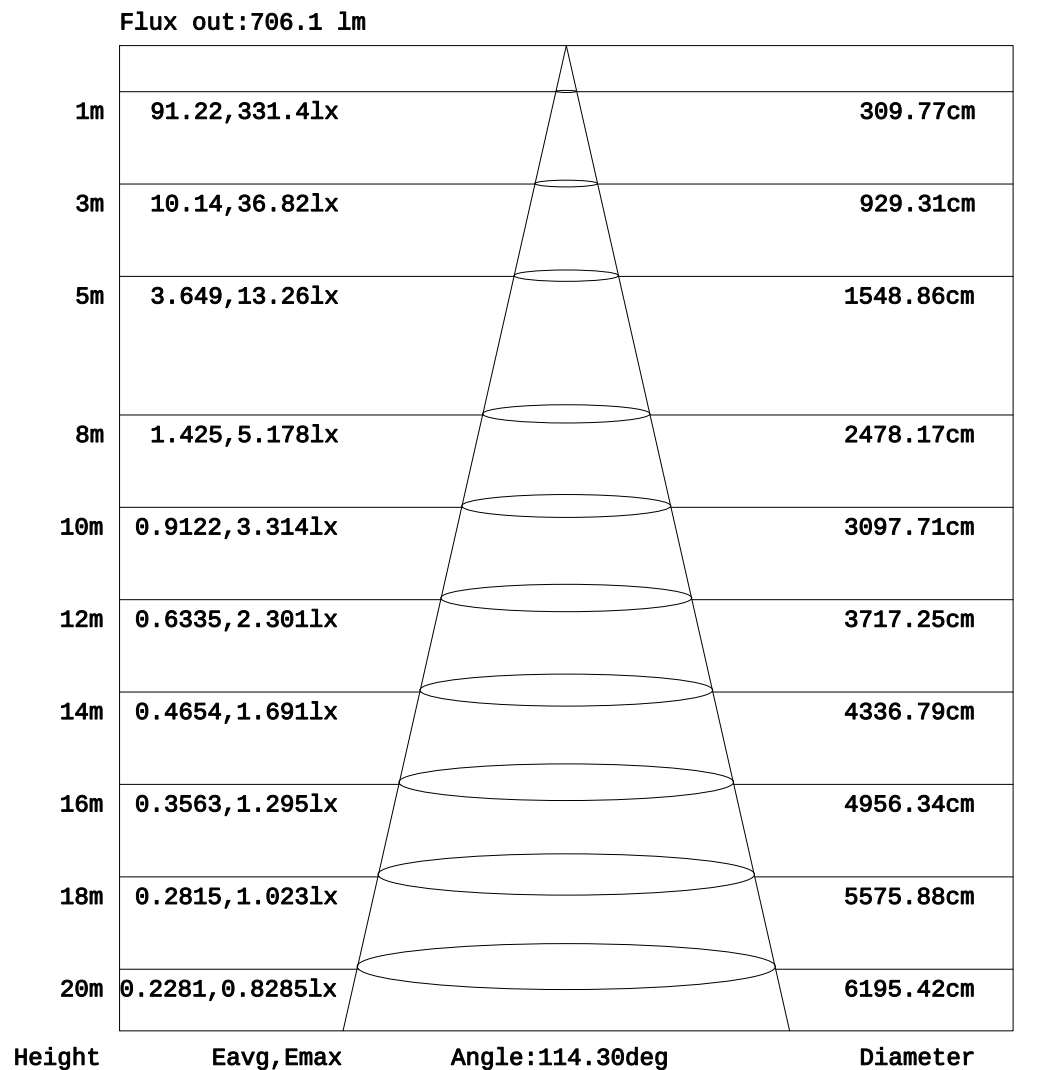


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AAI Figure

Test:U:120.10V I:0.1031A P:11.918W PF:0.9625 Freq:50.00Hz Lamp Flux:1084.45x1 lm		
NAME: BR40-13-827-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:



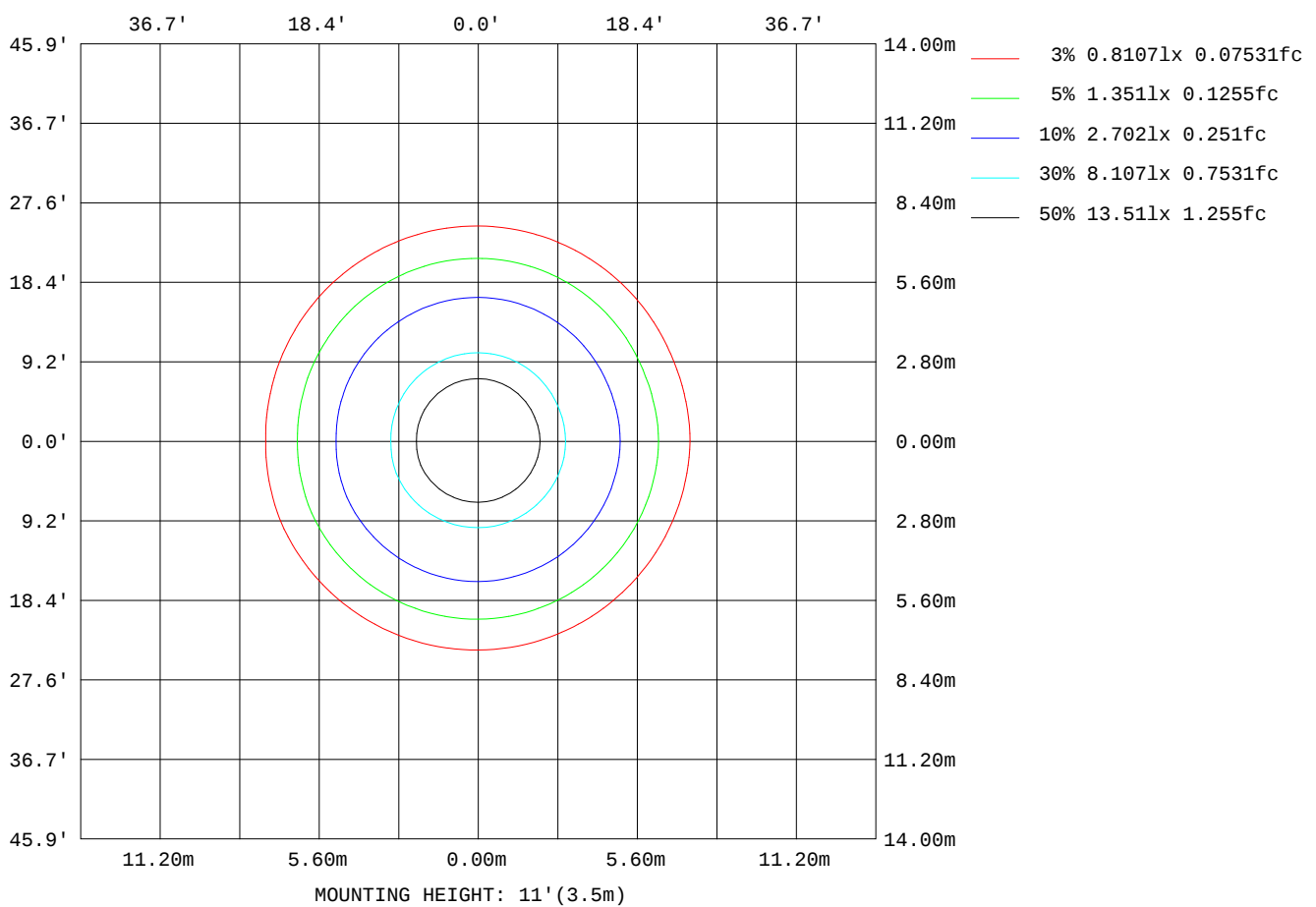
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-04-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:2.517m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.10V I:0.1031A P:11.918W PF:0.9625 Freq:50.00Hz Lamp Flux:1084.45x1 lm		
NAME: BR40-13-827-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: 2017-04-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 2.517m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.10V I:0.1031A P:11.918W PF:0.9625 Freq:50.00Hz Lamp Flux:1084.45x1 lm		
NAME: BR40-13-827-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: RAB Lighting Inc	SUR.:	Shielding Angle:

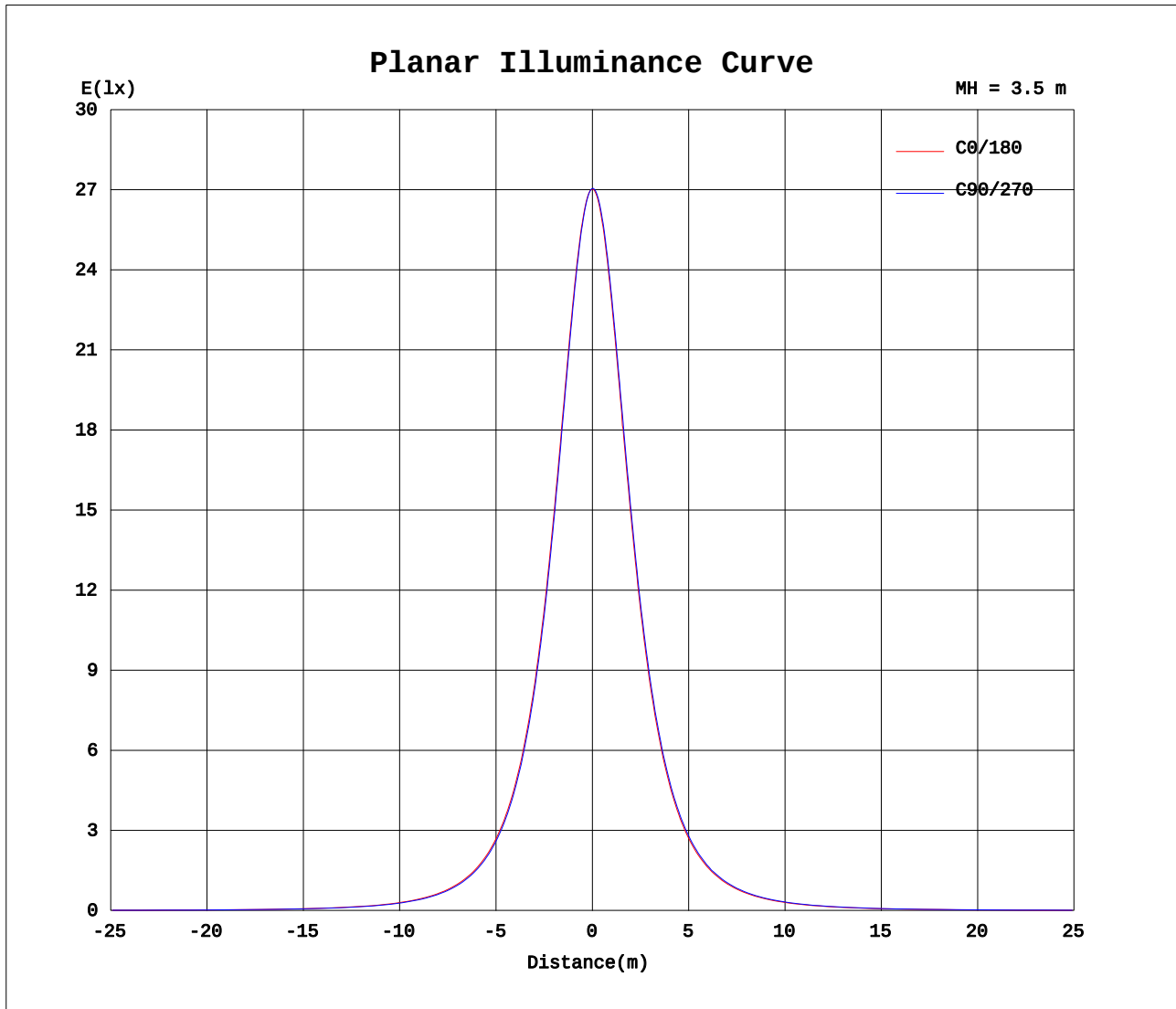
AvgL	cd/m2
L_0~180(65)av	20473
L_0~180(75)av	21580
L_0~180(85)av	35039
L_90~270(65)av	20449
L_90~270(75)av	21540
L_90~270(85)av	34909
L_45(65)av	20448
L_45(75)av	21547
L_45(85)av	34908

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-04-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:2.517m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-04-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.295
Humidity: 65.0%
Test Distance: 2.517m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.1031A P:11.918W PF:0.9625 Freq:50.00Hz Lamp Flux:1084.45x1 lm		
NAME: BR40-13-827-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	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331			
5	329	329	329	329	329	329	330	330	329	330	330	331	331	330	330	329			
10	324	323	323	323	323	323	325	326	324	325	326	327	326	326	325	324			
15	316	315	314	313	314	315	316	318	316	318	319	319	319	318	317	315			
20	306	304	302	302	302	304	305	308	305	307	309	309	309	308	306	304			
25	292	290	288	288	288	290	292	295	292	294	296	296	296	295	293	290			
30	276	274	272	271	272	274	276	279	276	279	281	281	281	280	277	274			
35	259	256	254	253	254	256	258	262	259	262	263	264	264	262	260	256			
40	239	237	234	233	234	236	239	243	240	243	245	246	245	244	241	238			
45	219	216	214	213	213	215	218	222	220	223	225	226	225	224	221	217			
50	197	194	192	191	191	193	197	200	198	201	203	204	204	202	198	195			
55	175	172	169	168	169	171	174	178	176	179	181	182	182	180	177	173			
60	152	148	146	145	146	148	151	155	153	156	159	159	159	157	154	150			
65	128	125	123	122	122	125	127	132	130	133	135	136	136	134	131	127			
70	106	102	99.6	98.5	99.3	101	104	108	107	110	112	113	113	111	108	104			
75	82.3	79.4	77.2	76.4	76.8	78.8	81.4	85.0	84.7	87.4	89.4	90.3	89.8	88.2	85.4	82.0			
80	61.6	59.1	57.3	56.6	57.0	58.7	60.9	64.0	64.0	66.3	68.0	68.9	68.4	67.1	64.7	61.8			
85	44.6	42.7	41.2	40.7	41.0	42.2	44.0	46.4	46.7	48.4	49.6	50.3	50.0	49.0	47.1	44.9			
90	32.6	31.3	30.3	30.0	30.2	31.0	32.1	33.6	33.8	34.9	35.7	36.1	36.0	35.3	34.2	32.8			
95	25.1	24.3	23.7	23.5	23.6	24.0	24.8	25.7	25.7	26.4	26.8	27.1	27.1	26.7	26.0	25.2			
100	20.6	20.1	19.7	19.6	19.6	19.9	20.4	21.0	20.7	21.1	21.5	21.6	21.7	21.6	21.2	20.6			
105	17.6	17.2	16.8	16.7	16.7	17.0	17.4	17.8	17.6	17.9	18.0	18.2	18.2	18.2	17.9	17.5			
110	15.0	14.6	14.3	14.2	14.2	14.4	14.7	15.1	15.0	15.2	15.3	15.5	15.6	15.5	15.2	14.9			
115	12.6	12.3	12.0	11.9	11.9	12.1	12.4	12.7	12.6	12.7	12.9	13.0	13.1	13.1	12.9	12.6			
120	10.4	10.1	9.86	9.76	9.73	9.84	10.1	10.4	10.5	10.6	10.8	10.9	11.0	10.9	10.7	10.5			
125	8.49	8.25	8.06	7.97	7.92	7.99	8.23	8.49	8.59	8.74	8.84	8.92	9.03	9.01	8.86	8.63			
130	6.85	6.63	6.47	6.39	6.33	6.37	6.58	6.81	6.92	7.05	7.14	7.21	7.32	7.32	7.20	7.00			
135	5.41	5.22	5.08	5.01	4.94	4.95	5.13	5.33	5.46	5.57	5.64	5.71	5.82	5.84	5.73	5.57			
140	4.16	3.99	3.87	3.80	3.73	3.71	3.87	4.04	4.18	4.27	4.33	4.41	4.52	4.54	4.45	4.31			
145	3.08	2.94	2.84	2.78	2.70	2.66	2.79	2.93	3.07	3.14	3.20	3.27	3.39	3.42	3.35	3.24			
150	2.19	2.08	2.00	1.94	1.87	1.78	1.88	1.99	2.13	2.18	2.23	2.31	2.44	2.48	2.31	2.33			
155	1.51	1.42	1.36	1.31	1.33	1.13	1.17	1.27	1.39	1.41	1.45	1.51	1.65	1.58	1.69	1.62			
160	1.03	0.96	0.92	0.89	0.83	0.70	0.69	0.75	0.85	0.86	0.88	0.95	1.07	1.15	1.14	1.11			
165	0.76	0.67	0.62	0.58	0.52	0.40	0.37	0.42	0.50	0.49	0.51	0.58	0.69	0.78	0.79	0.77			
170	0.46	0.40	0.35	0.32	0.28	0.17	0.15	0.18	0.23	0.24	0.26	0.33	0.42	0.50	0.51	0.50			
175	0.12	0.11	0.09	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.10	0.13	0.22	0.20	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:
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γ Range: 0 - 180DEG
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