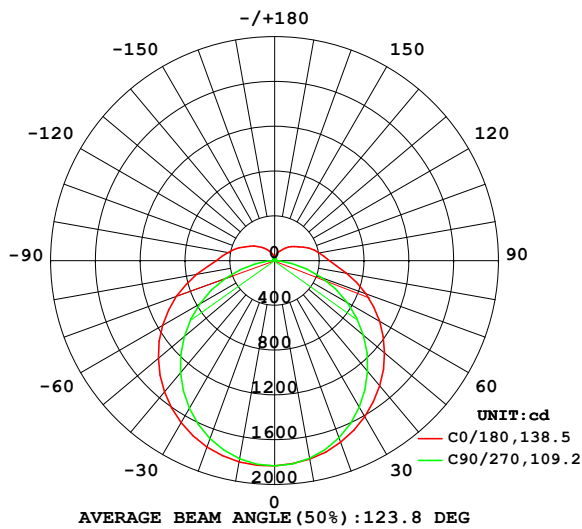


LUMINAIRE PHOTOMETRIC TEST REPORT

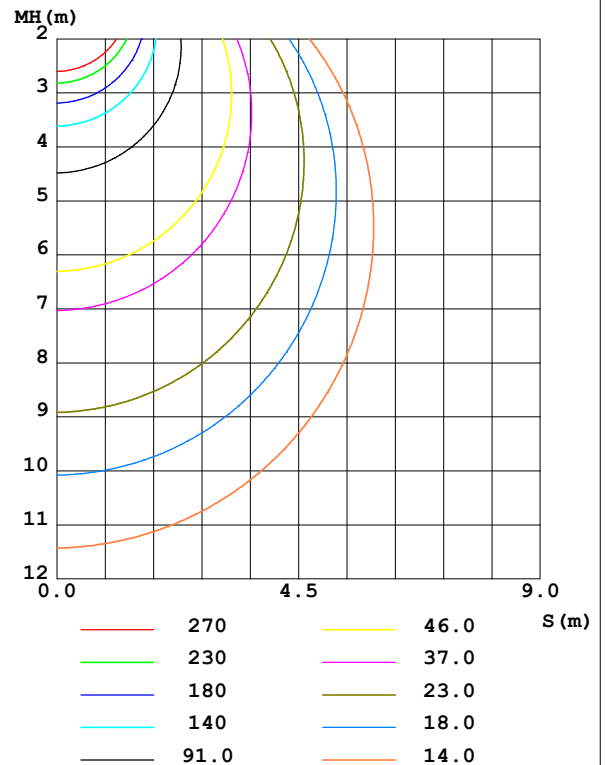
Test:U:230.37V I:0.2278A P:51.182W PF:0.9753 Freq:50.00Hz Lamp Flux:7160.91x1 lm		
NAME: B15-W3457KA (60W 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 139.91 lm/W
MODEL		I _{max} (cd)	1834	S/MH(C0/180)	1.36	
NOMINAL POWER(W)	51.1	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	7160.9	η UP,DN(C0-180)	6.7,43.0	
NOMINAL FLUX(lm)	7160.91	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	6.7,43.6	
LAMPS INSIDE	1	η up (%)	13.4	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	230	η down (%)	86.6	CIBSE SHR MAX	1.50	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [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	1801	1794	1793	1814	1825	1816	1798	1796	0- 10	173.6	173.6	2.42,2.42
20	1726	1701	1684	1738	1771	1742	1692	1706	10- 20	499.6	673.2	9.4,9.4
30	1610	1559	1513	1610	1670	1614	1525	1567	20- 30	764.6	1438	20.1,20.1
40	1460	1378	1293	1437	1530	1442	1308	1388	30- 40	938.6	2376	33.2,33.2
50	1283	1167	1036	1231	1357	1235	1053	1180	40- 50	1006	3382	47.2,47.2
60	1083	937.3	750.3	1001	1156	1004	770.3	951.6	50- 60	965.1	4348	60.7,60.7
70	867.7	698.4	447.7	757.9	933.5	761.2	466.4	713.5	60- 70	827.0	5175	72.3,72.3
80	650.5	469.0	158.1	519.2	705.0	519.0	176.2	481.4	70- 80	619.2	5794	80.9,80.9
90	490.0	315.3	6.558	345.3	521.8	340.6	7.038	323.4	80- 90	407.5	6201	86.6,86.6
100	405.8	248.3	9.420	268.0	426.3	263.3	8.917	254.9	90-100	291.5	6493	90.7,90.7
110	329.6	188.3	12.87	202.6	341.9	196.1	12.29	191.0	100-110	224.2	6717	93.8,93.8
120	248.9	148.4	16.32	154.8	257.3	150.4	15.76	150.7	110-120	161.9	6879	96.1,96.1
130	197.1	116.2	19.62	121.2	199.2	118.1	19.07	119.4	120-130	115.5	6994	97.7,97.7
140	147.3	83.65	22.71	93.44	146.7	91.03	22.34	84.82	130-140	77.97	7072	98.8,98.8
150	104.6	59.91	25.51	69.38	103.2	67.82	25.33	57.87	140-150	47.76	7120	99.4,99.4
160	70.26	45.82	27.90	48.43	67.19	46.65	27.98	44.08	150-160	26.01	7146	99.8,99.8
170	42.30	36.15	29.65	35.09	39.45	34.67	29.82	35.65	160-170	11.62	7158	100,100
180	30.25	30.36	30.39	30.21	30.19	30.33	30.43	30.27	170-180	3.120	7161	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2877.9 lm

%lum = 40.2%

%lamp = 40.2%

Conical surface Flux(120deg): 4347.6 lm

%lum = 60.7%

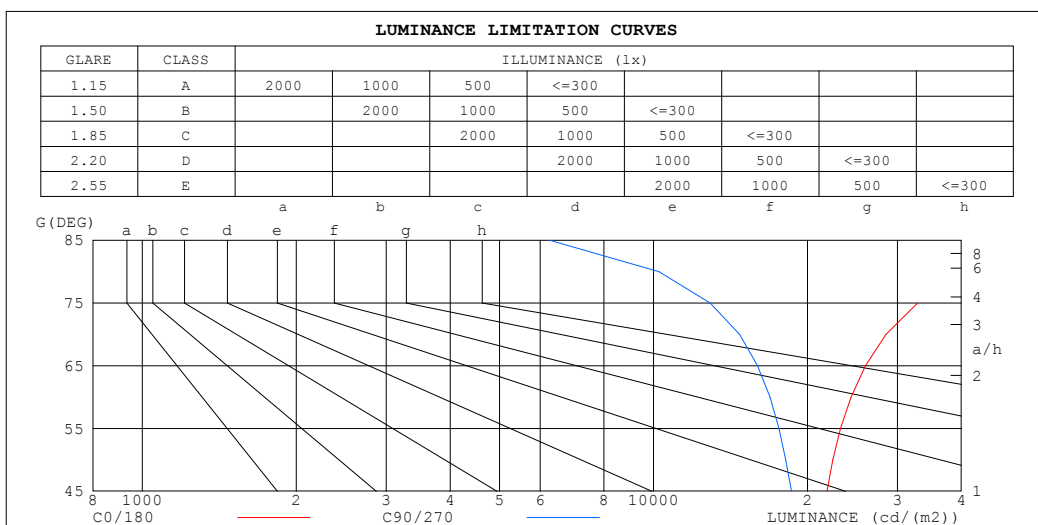
%lamp = 60.7%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-11-09

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
 Humidity:65.0%
 Test Distance:12.020m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.37V I:0.2278A P:51.182W PF:0.9753 Freq:50.00Hz Lamp Flux:7160.91x1 lm		
NAME: B15-W3457KA (60W 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	71596	6265
80	42074	10254
75	32862	12907
70	28492	14739
65	25967	15982
60	24333	16896
55	23214	17592
50	22417	18144
45	21830	18613

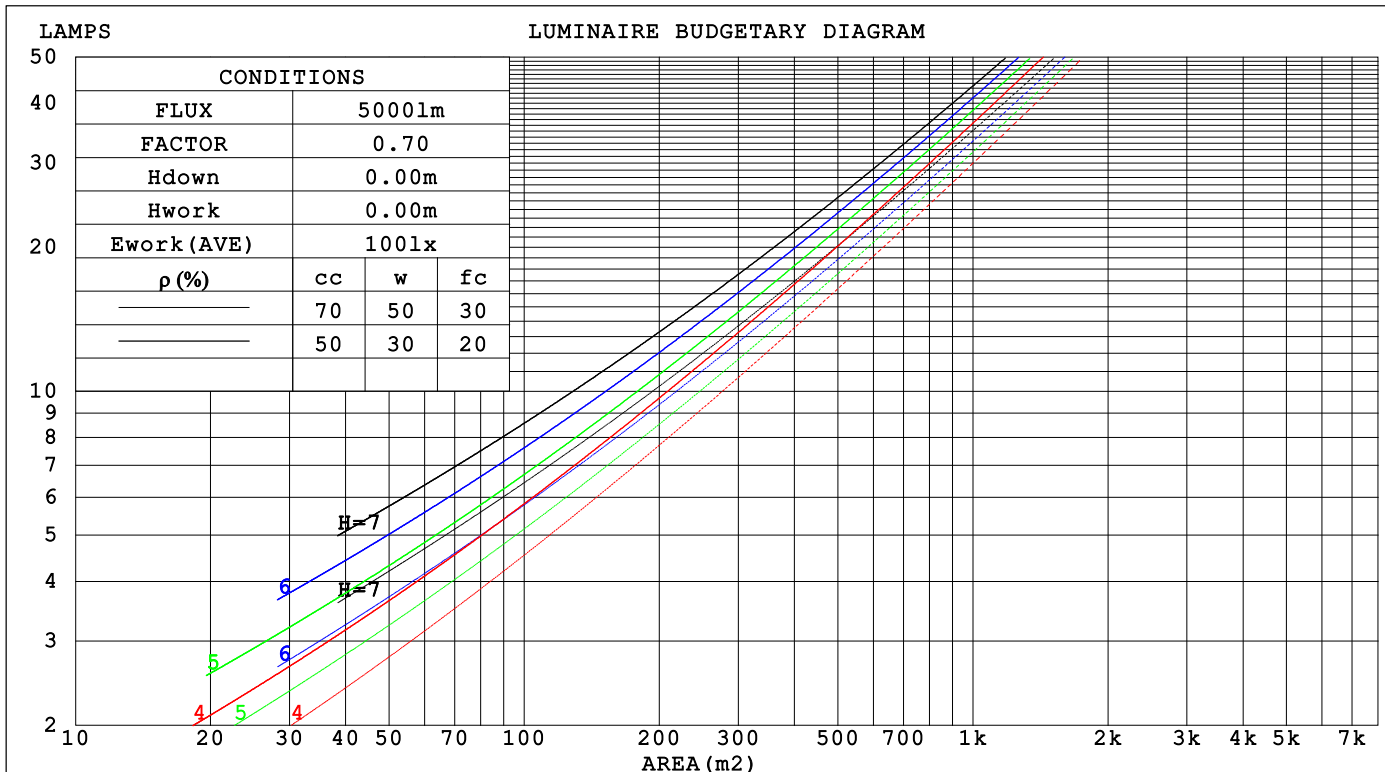
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.37V I:0.2278A P:51.182W PF:0.9753 Freq:50.00Hz Lamp Flux:7160.91x1 lm		
NAME: B15-W3457KA (60W 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	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	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.96	.96	.96	.90	.90	.90	.87														
1.0	.98	.93	.88	.94	.90	.86	.88	.84	.81	.81	.78	.76	.76	.73	.71	.68														
2.0	.84	.77	.70	.81	.74	.69	.75	.70	.65	.70	.65	.61	.65	.61	.58	.55														
3.0	.73	.65	.58	.71	.63	.56	.66	.59	.54	.61	.56	.51	.57	.52	.48	.46														
4.0	.65	.55	.48	.62	.54	.47	.58	.51	.45	.54	.48	.43	.50	.45	.41	.38														
5.0	.57	.48	.41	.56	.47	.40	.52	.44	.39	.48	.42	.37	.45	.40	.35	.33														
6.0	.52	.42	.36	.50	.41	.35	.47	.39	.34	.44	.37	.32	.41	.35	.31	.29														
7.0	.47	.38	.31	.45	.37	.31	.42	.35	.30	.40	.33	.28	.37	.32	.27	.25														
8.0	.42	.34	.28	.41	.33	.27	.39	.31	.26	.36	.30	.25	.34	.29	.24	.22														
9.0	.39	.30	.25	.38	.30	.24	.35	.28	.24	.33	.27	.23	.32	.26	.22	.20														
10.0	.36	.28	.22	.35	.27	.22	.33	.26	.21	.31	.25	.21	.29	.24	.20	.18														



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.37V I:0.2278A P:51.182W PF:0.9753 Freq:50.00Hz Lamp Flux:7160.91x1 lm		
NAME: B15-W3457KA (60W 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	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	.361	.205	.065	.350	.199	.063	.329	.189	.060	.309	.178	.057	.291	.169	.054		
2.0	.320	.175	.054	.310	.171	.053	.291	.162	.050	.273	.153	.048	.257	.145	.046		
3.0	.287	.153	.046	.278	.149	.045	.261	.142	.043	.245	.134	.041	.231	.128	.040		
4.0	.261	.135	.040	.252	.132	.039	.237	.126	.038	.223	.120	.036	.209	.114	.035		
5.0	.238	.121	.035	.231	.118	.035	.217	.113	.033	.204	.107	.032	.192	.102	.031		
6.0	.219	.110	.031	.212	.107	.031	.200	.102	.030	.188	.098	.029	.177	.093	.028		
7.0	.203	.100	.028	.196	.098	.028	.185	.093	.027	.174	.089	.026	.164	.085	.025		
8.0	.188	.092	.026	.183	.090	.025	.172	.086	.025	.162	.082	.024	.153	.078	.023		
9.0	.176	.085	.024	.171	.083	.023	.161	.080	.023	.152	.076	.022	.143	.073	.021		
10.0	.165	.079	.022	.160	.077	.022	.151	.074	.021	.143	.071	.020	.135	.068	.019		

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	.293	.293	.293	.250	.250	.250	.171	.171	.171	.098	.098	.098	.031	.031	.031		
1.0	.287	.259	.233	.245	.222	.201	.168	.153	.139	.097	.088	.081	.031	.028	.026		
2.0	.280	.235	.198	.239	.203	.171	.164	.140	.120	.095	.082	.070	.030	.026	.023		
3.0	.272	.219	.176	.233	.189	.153	.160	.131	.107	.092	.077	.063	.030	.025	.021		
4.0	.264	.206	.161	.227	.178	.140	.156	.124	.099	.090	.073	.058	.029	.024	.019		
5.0	.257	.196	.151	.220	.170	.131	.152	.118	.093	.088	.070	.055	.028	.023	.018		
6.0	.249	.188	.144	.214	.163	.125	.148	.114	.089	.086	.067	.053	.028	.022	.017		
7.0	.242	.181	.138	.209	.157	.121	.144	.110	.085	.084	.065	.051	.027	.021	.017		
8.0	.236	.176	.134	.203	.152	.117	.140	.107	.083	.082	.063	.049	.026	.021	.016		
9.0	.230	.171	.131	.198	.148	.114	.137	.104	.081	.080	.062	.048	.026	.020	.016		
10.0	.224	.167	.128	.193	.145	.112	.134	.102	.080	.078	.060	.048	.025	.020	.016		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.37V I:0.2278A P:51.182W PF:0.9753 Freq:50.00Hz Lamp Flux:7160.91x1 lm											
NAME: B15-W3457KA (60W 4000K)					TYPE:			WEIGHT:			
SPEC.:					DIM.: 0.08886			SERIAL No.: 1			
MFR.:					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		23.2	24.6	23.6	25.0	25.5	21.7	23.1	22.2	23.5	24.0
3H		25.5	26.8	25.9	27.2	27.7	23.1	24.4	23.6	24.9	25.4
4H		26.7	27.9	27.2	28.4	28.9	23.6	24.9	24.1	25.3	25.9
6H		27.9	29.1	28.5	29.6	30.2	23.9	25.1	24.4	25.6	26.2
8H		28.6	29.7	29.1	30.2	30.8	23.9	25.1	24.5	25.6	26.2
12H		29.4	30.5	29.9	31.0	31.6	23.9	25.0	24.5	25.5	26.1
4H 2H		23.7	24.9	24.2	25.4	26.0	22.6	23.8	23.1	24.3	24.9
3H		26.2	27.3	26.8	27.8	28.4	24.3	25.3	24.8	25.9	26.4
4H		27.6	28.6	28.2	29.2	29.8	24.9	25.9	25.5	26.5	27.1
6H		29.1	30.0	29.7	30.6	31.2	25.4	26.3	26.0	26.8	27.5
8H		29.9	30.7	30.5	31.3	32.0	25.5	26.3	26.1	26.9	27.5
12H		30.8	31.6	31.4	32.2	32.9	25.5	26.3	26.1	26.9	27.6
8H 4H		27.9	28.7	28.5	29.3	30.0	25.7	26.5	26.3	27.1	27.8
6H		29.6	30.3	30.3	31.0	31.7	26.4	27.1	27.0	27.7	28.4
8H		30.6	31.3	31.3	31.9	32.6	26.6	27.3	27.3	27.9	28.6
12H		31.8	32.4	32.5	33.0	33.8	26.8	27.4	27.5	28.0	28.8
12H 4H		27.9	28.7	28.5	29.3	30.0	25.9	26.6	26.5	27.2	27.9
6H		29.7	30.3	30.4	31.0	31.7	26.8	27.4	27.4	28.0	28.8
8H		30.8	31.4	31.5	32.0	32.8	27.2	27.7	27.8	28.4	29.1
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 7161 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.8)
Area: 0.08886 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.37V I:0.2278A P:51.182W PF:0.9753 Freq:50.00Hz Lamp Flux:7160.91x1 lm		
NAME: B15-W3457KA (60W 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

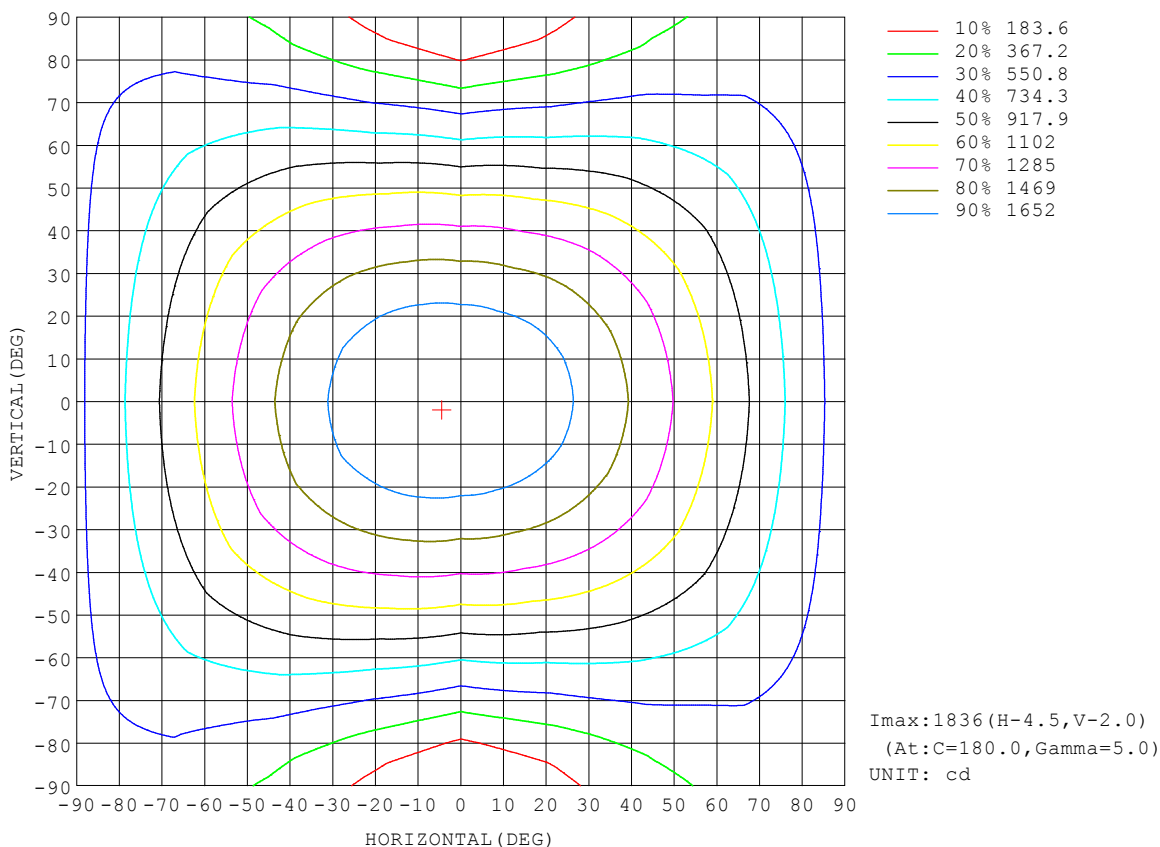
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	50	38	31	49	38	31	48	37	31	24
0.80	60	47	39	58	47	39	56	45	38	31
1.00	68	55	47	66	55	47	63	55	46	38
1.25	75	63	55	73	62	54	69	59	53	43
1.50	80	68	60	77	67	59	73	64	58	48
2.00	87	77	69	84	75	68	79	71	65	55
2.50	91	82	74	88	80	73	83	76	70	58
3.00	95	86	80	92	84	78	86	79	74	62
4.00	100	92	86	96	89	84	90	84	80	67
5.00	102	96	91	99	93	88	92	87	83	70
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:25.3°C
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.37V I:0.2278A P:51.182W PF:0.9753 Freq:50.00Hz Lamp Flux:7160.9lx1 lm		
NAME: B15-W3457KA (60W 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

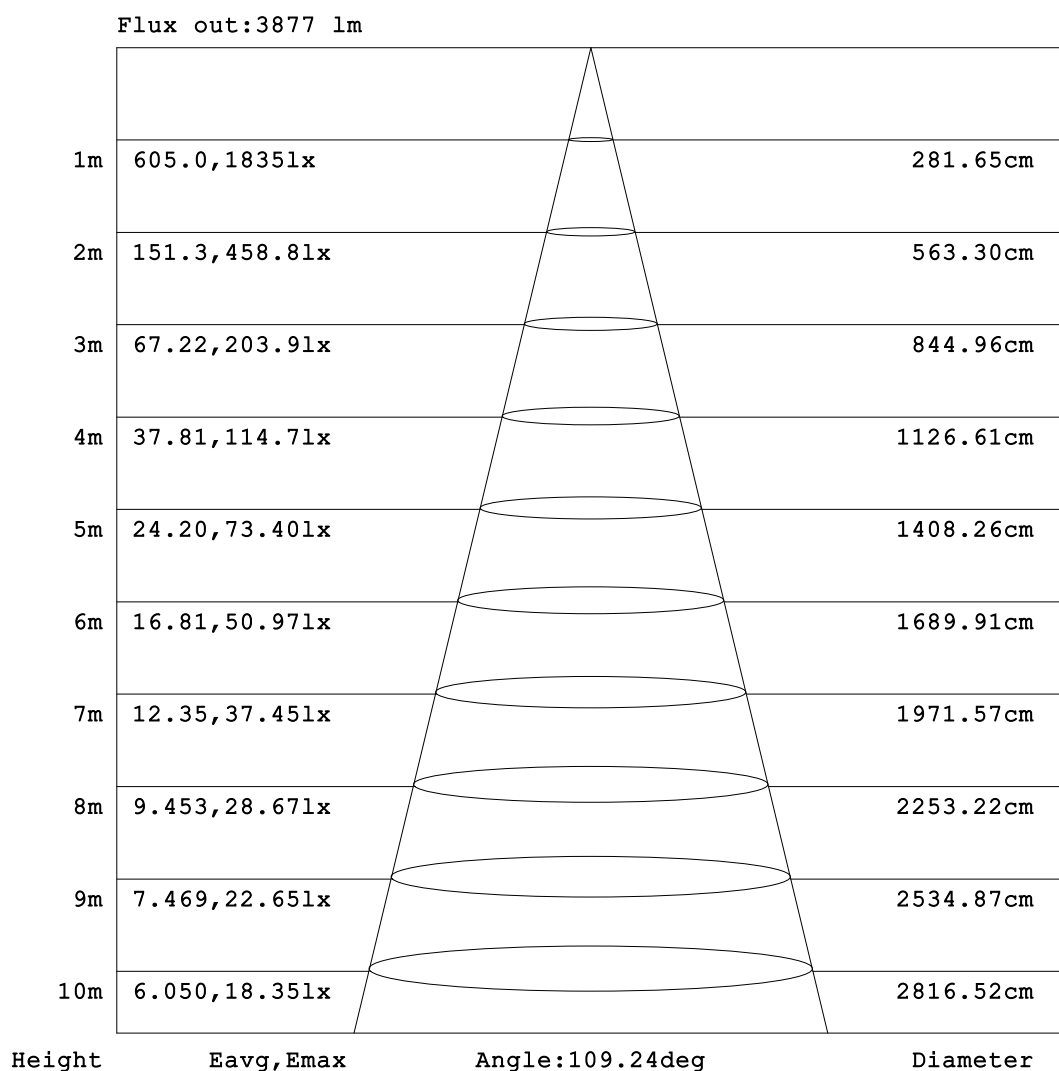


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.37V I:0.2278A P:51.182W PF:0.9753 Freq:50.00Hz Lamp Flux:7160.91x1 lm		
NAME: B15-W3457KA (60W 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



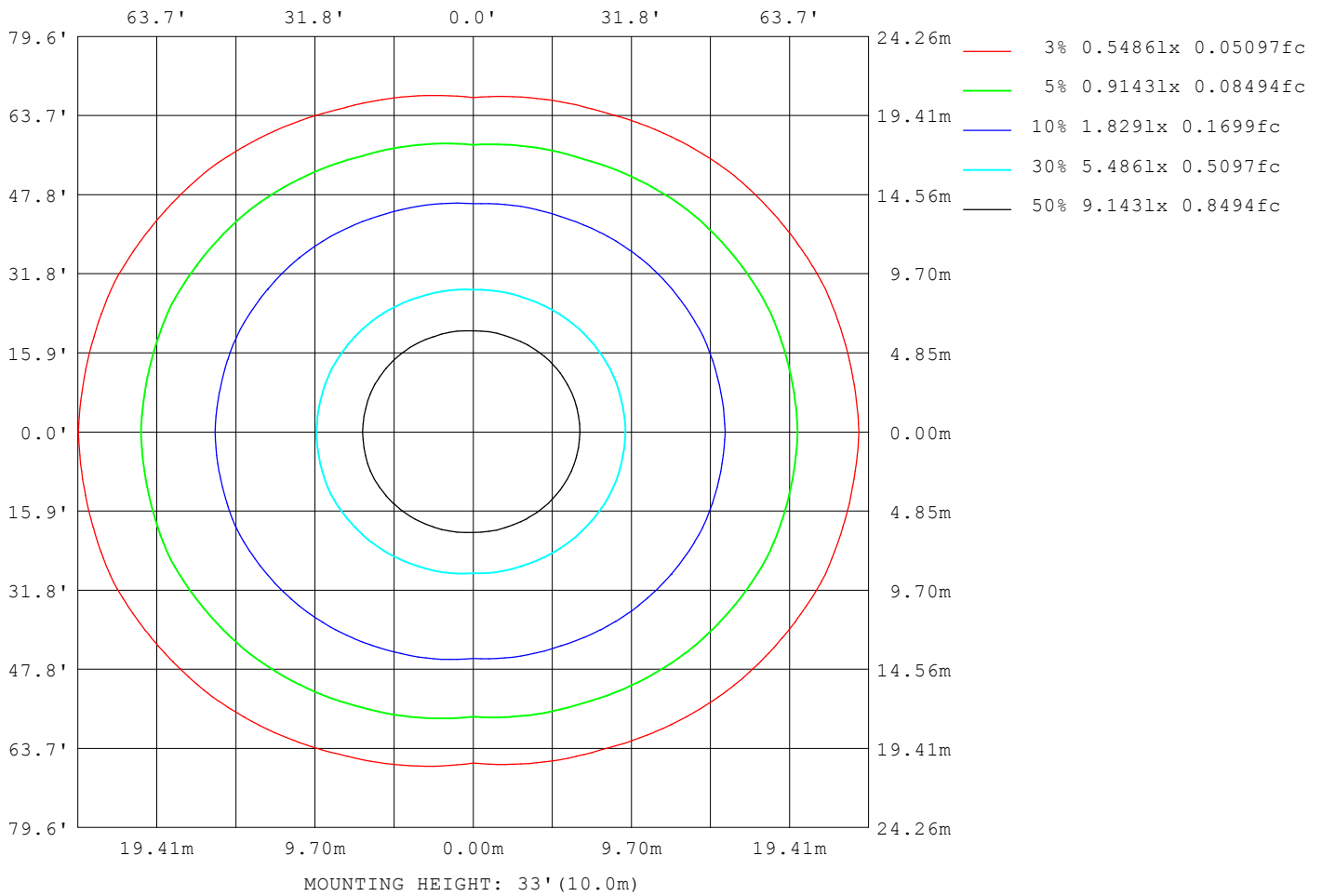
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.37V I:0.2278A P:51.182W PF:0.9753 Freq:50.00Hz Lamp Flux:7160.9lx1 lm		
NAME: B15-W3457KA (60W 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.37V I:0.2278A P:51.182W PF:0.9753 Freq:50.00Hz Lamp Flux:7160.91x1 lm		
NAME: B15-W3457KA (60W 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.08886	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

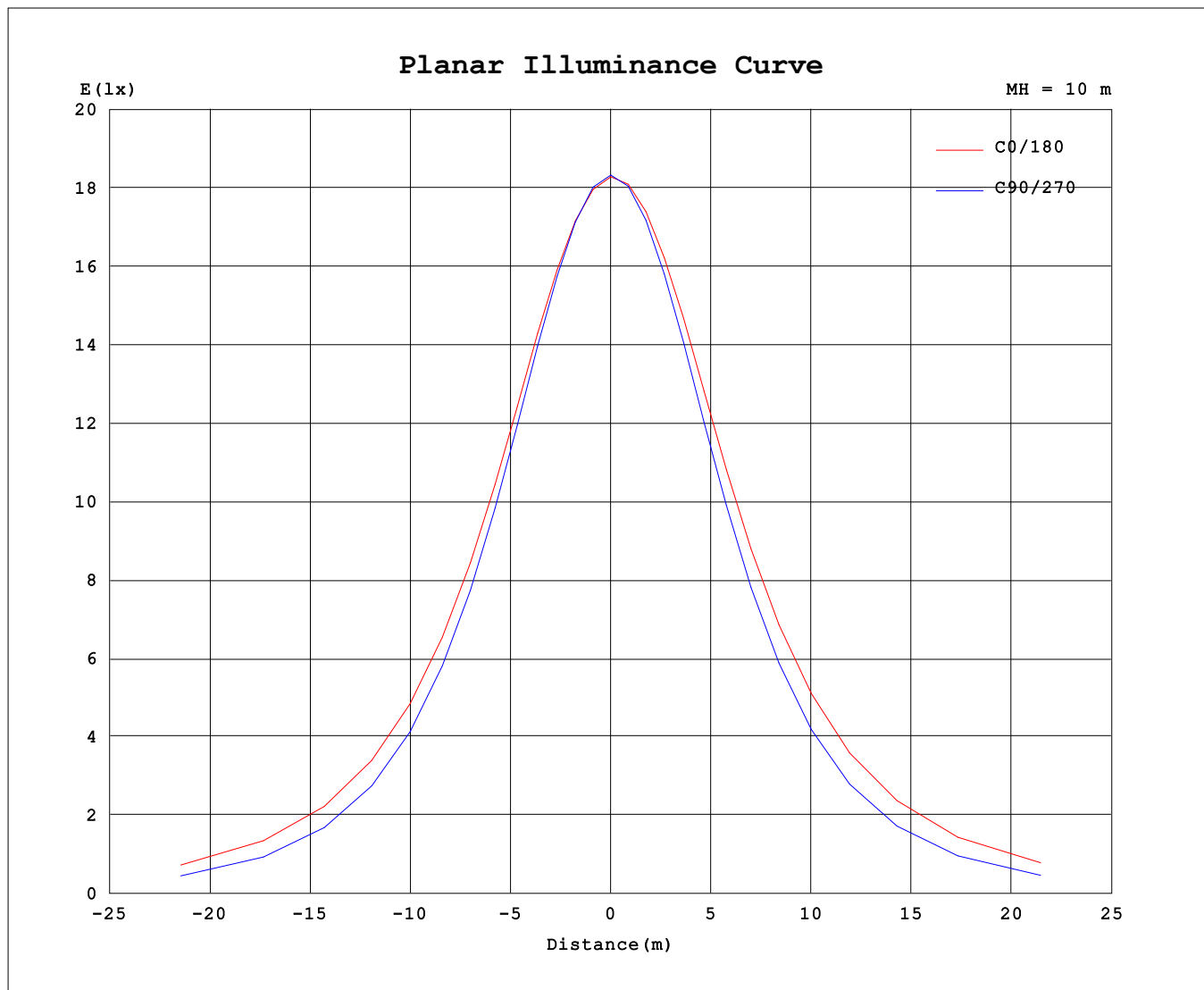
AvgL	cd/m2
L_0~180 (65) av	26942
L_0~180 (75) av	34246
L_0~180 (85) av	74727
L_90~270 (65) av	16257
L_90~270 (75) av	13333
L_90~270 (85) av	7096
L_45 (65) av	22736
L_45 (75) av	26646
L_45 (85) av	51392

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-11-09

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-11-09

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.37V I:0.2278A P:51.182W PF:0.9753 Freq:50.00Hz Lamp Flux:7160.91x1 lm																	
NAME: B15-W3457KA (60W 4000K)									TYPE:			WEIGHT:					
SPEC.:									DIM.: 0.08886			SERIAL No.: 1					
MFR.:									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	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832	1832			
5	1821	1821	1820	1820	1822	1826	1830	1833	1834	1834	1831	1828	1824	1821	1821	1821			
10	1801	1799	1794	1791	1793	1803	1814	1823	1825	1823	1816	1805	1798	1794	1796	1799			
15	1769	1765	1754	1746	1747	1764	1783	1801	1804	1800	1786	1767	1753	1750	1759	1765			
20	1726	1719	1701	1686	1684	1708	1738	1764	1771	1764	1742	1711	1692	1691	1706	1719			
25	1673	1663	1636	1612	1606	1638	1680	1716	1726	1716	1684	1642	1615	1617	1643	1662			
30	1610	1596	1559	1524	1513	1555	1610	1657	1670	1656	1614	1559	1525	1532	1567	1596			
35	1539	1520	1472	1426	1409	1459	1528	1588	1605	1586	1533	1464	1422	1435	1482	1520			
40	1460	1437	1378	1318	1293	1354	1437	1509	1530	1507	1442	1358	1308	1328	1388	1437			
45	1374	1347	1276	1202	1169	1239	1337	1422	1448	1419	1342	1244	1185	1212	1287	1347			
50	1283	1250	1167	1078	1036	1118	1231	1328	1357	1324	1235	1122	1053	1090	1180	1250			
55	1186	1149	1054	950	896	990	1118	1227	1259	1223	1123	994	915	963	1068	1149			
60	1083	1043	937	817	750	857	1001	1120	1156	1115	1004	861	770	831	952	1043			
65	977	933	818	681	600	721	880	1008	1046	1003	884	724	621	697	833	933			
70	868	822	698	546	448	584	758	893	933	887	761	587	466	562	714	822			
75	757	710	580	413	297	450	636	776	818	770	639	453	317	431	596	710			
80	651	602	469	294	158	326	519	662	705	656	519	328	176	311	481	602			
85	556	505	375	196	48.5	223	417	560	602	552	415	221	61.4	210	386	508			
90	490	441	315	141	6.56	158	345	479	522	475	341	153	7.04	151	323	445			
95	447	401	279	116	7.83	129	304	431	472	427	299	123	7.37	124	287	403			
100	406	362	248	97.8	9.42	108	268	387	426	384	263	102	8.92	105	255	365			
105	367	327	221	85.1	11.1	92.3	237	347	383	343	232	87.0	10.6	90.5	226	328			
110	330	293	188	76.1	12.9	81.1	203	309	342	305	196	76.4	12.3	80.3	191	294			
115	288	252	163	68.9	14.6	72.2	171	258	295	256	166	67.7	14.0	71.7	165	249			
120	249	222	148	61.7	16.3	63.6	155	231	257	227	150	60.1	15.8	63.2	151	222			
125	223	199	133	56.8	18.0	58.3	137	205	230	201	133	55.7	17.4	58.3	134	198			
130	197	174	116	52.0	19.6	54.0	121	178	199	175	118	51.8	19.1	52.1	119	173			
135	171	152	102	47.2	21.2	50.5	107	155	172	152	104	48.6	20.7	47.1	104	151			
140	147	132	83.7	43.2	22.7	47.1	93.4	133	147	130	91.0	45.4	22.3	42.3	84.8	131			
145	125	112	69.9	39.9	24.1	43.8	80.5	113	124	111	78.5	41.2	23.8	38.7	68.8	111			
150	105	93.8	59.9	36.1	25.5	38.6	69.4	94.9	103	92.9	67.8	37.9	25.3	34.6	57.9	94.0			
155	86.3	75.5	51.4	35.6	26.7	36.5	59.4	78.3	83.9	76.4	58.1	35.8	26.7	34.8	49.2	75.0			
160	70.3	57.5	45.8	34.8	27.9	34.2	48.4	63.9	67.2	62.1	46.7	33.8	28.0	34.4	44.1	55.7			
165	56.0	45.3	40.1	33.4	28.9	32.3	40.9	47.6	51.9	46.8	40.2	32.1	29.0	33.3	39.1	42.3			
170	42.3	37.7	36.1	31.9	29.6	31.1	35.1	38.8	39.5	38.0	34.7	31.0	29.8	31.9	35.6	36.1			
175	34.0	33.1	32.1	30.7	30.2	30.4	31.4	32.2	32.3	32.0	31.2	30.4	30.3	30.8	31.9	32.3			
180	30.3	30.3	30.4	30.3	30.4	30.3	30.2	30.2	30.2	30.3	30.3	30.3	30.4	30.3	30.3	30.2			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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γ Range: 0 - 180DEG
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