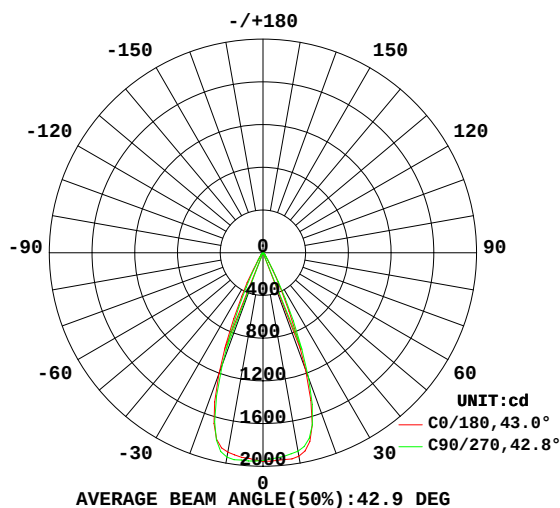


LUMINAIRE PHOTOMETRIC TEST REPORT

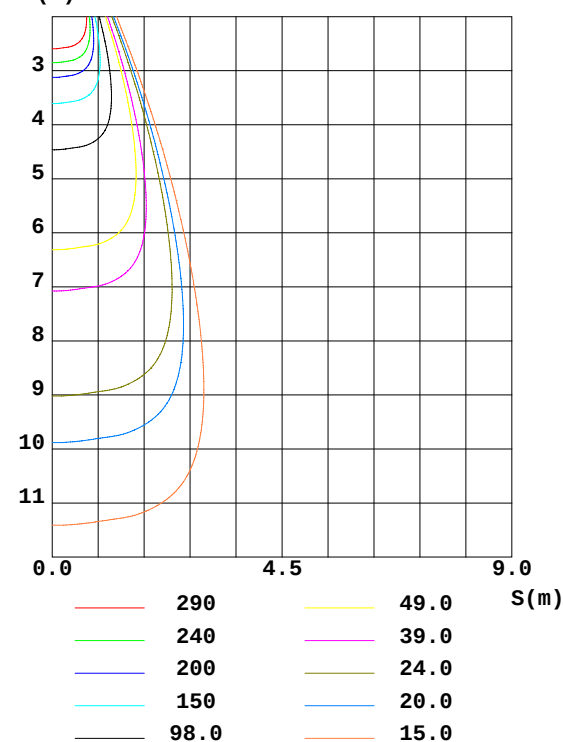
Test:U:24.00V I:0.5250A P:12.60W PF:1.000 Lamp Flux:989.389x1 lm		
NAME: CL-Gemini55 12W-36D-LENS-3000K90RA	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.52 lm/W			
MODEL		I _{max} (cd)	1980	S/MH(C0/180)	0.62
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.64
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	989.39	η UP, DN(C0-180)	0.2, 50.9
NOMINAL FLUX(lm)	989.389	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 48.7
LAMPS INSIDE	1	η up(%)	0.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	99.6	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-12-05

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [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	1934	1962	1887	1869	1897	1977	1944	1944	0- 10	184.8	184.8	18.7,18.7
20	1167	1292	1249	1198	1212	1127	1113	1151	10- 20	464.9	649.7	65.7,65.7
30	158.6	204.4	188.1	178.4	180.6	148.2	140.4	149.2	20- 30	256.1	905.8	91.5,91.5
40	37.29	40.90	40.56	39.11	38.69	36.50	35.32	36.44	30- 40	48.59	954.4	96.5,96.5
50	16.00	16.60	17.24	16.61	16.38	17.48	15.16	15.78	40- 50	19.25	973.6	98.4,98.4
60	5.337	5.758	6.003	5.729	5.630	5.196	4.932	5.182	50- 60	9.367	983.0	99.4,99.4
70	0.2340	0.4701	0.4141	0.3573	0.4273	0.1642	0.1830	0.2393	60- 70	2.357	985.3	99.6,99.6
80	0	0	0	0	0	0	0	0	70- 80	0.0427	985.4	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	0	985.4	99.6,99.6
100	0	0	0	0	0	0	0	0	90-100	0	985.4	99.6,99.6
110	0	0	0	0	0	0	0	0	100-110	0	985.4	99.6,99.6
120	0	0	0	0	0	0	0	0	110-120	0.0004	985.4	99.6,99.6
130	0.2680	0.6261	0	0	0.0806	0.0853	0.0806	0.0759	120-130	0.0413	985.4	99.6,99.6
140	0.8534	1.553	0.5039	0.5887	0.6100	0.6809	0.6619	0.6242	130-140	0.2923	985.7	99.6,99.6
150	1.976	2.000	1.839	1.896	1.875	1.998	1.965	1.899	140-150	0.7848	986.5	99.7,99.7
160	3.528	3.429	3.481	3.467	3.442	3.522	3.498	3.428	150-160	1.229	987.7	99.8,99.8
170	4.925	4.788	4.793	4.798	4.839	4.891	4.886	4.839	160-170	1.156	988.9	99.9,99.9
180	5.833	5.790	5.772	5.762	5.833	5.809	5.786	5.795	170-180	0.5033	989.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

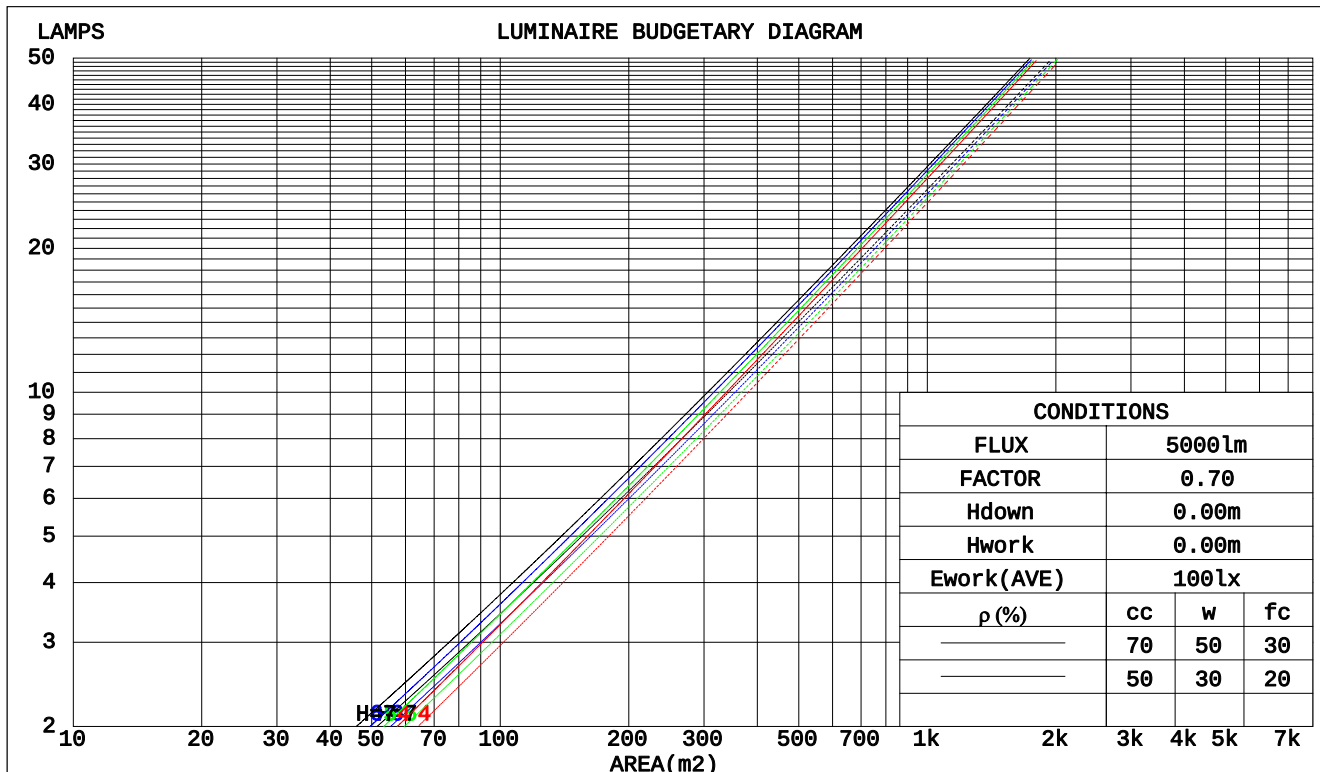
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-12-05

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.5250A P:12.60W PF:1.000 Lamp Flux:989.389x1 lm		
NAME: SPOT55-S 12W-36D-LENS-3000K90RA	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION 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	1.19	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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.98	.98	.97	.95
2.0	1.06	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.91
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.91	.94	.91	.89	.92	.90	.88	.86
4.0	.95	.91	.87	.94	.90	.87	.92	.88	.86	.90	.87	.85	.88	.86	.84	.82
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.87	.83	.81	.85	.82	.80	.79
6.0	.87	.82	.78	.86	.81	.78	.85	.81	.78	.83	.80	.77	.82	.79	.76	.75
7.0	.83	.78	.75	.82	.78	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.72
8.0	.80	.75	.71	.79	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.70	.69
9.0	.76	.72	.68	.76	.71	.68	.75	.71	.68	.74	.70	.68	.73	.70	.68	.66
10.0	.73	.69	.66	.73	.69	.65	.72	.68	.65	.72	.68	.65	.71	.67	.65	.64



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-12-05

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:24.00V I:0.5250A P:12.60W PF:1.000 Lamp Flux:989.389x1 lm					
NAME: SPOT55-S 12W-36D-LENS-3000K90RA			TYPE:		WEIGHT:
DIM.:			SPEC.:		SERIAL No.:
MFR.: 0			SUR.:		PROTECTION 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	.153	.087	.028	.147	.084	.027	.134	.077	.025	.122	.070	.023	.111	.065	.021		
2.0	.144	.079	.024	.139	.076	.024	.128	.071	.022	.118	.066	.021	.109	.062	.019		
3.0	.136	.072	.022	.131	.070	.021	.122	.066	.020	.114	.062	.019	.106	.059	.018		
4.0	.128	.067	.020	.124	.065	.019	.117	.062	.018	.110	.059	.018	.103	.056	.017		
5.0	.122	.062	.018	.118	.061	.018	.112	.058	.017	.106	.056	.017	.100	.053	.016		
6.0	.116	.058	.017	.113	.057	.016	.107	.055	.016	.102	.053	.016	.097	.051	.015		
7.0	.111	.055	.016	.108	.054	.015	.103	.052	.015	.098	.050	.015	.094	.049	.014		
8.0	.106	.052	.015	.104	.051	.014	.099	.049	.014	.095	.048	.014	.091	.047	.014		
9.0	.102	.049	.014	.099	.048	.014	.095	.047	.013	.092	.046	.013	.088	.045	.013		
10.0	.098	.047	.013	.096	.046	.013	.092	.045	.013	.089	.044	.013	.086	.043	.012		

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	.194	.194	.194	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.173	.161	.150	.148	.138	.129	.101	.095	.089	.058	.055	.052	.019	.018	.017	
2.0	.156	.136	.119	.133	.117	.103	.091	.081	.072	.053	.047	.042	.017	.015	.014	
3.0	.142	.117	.096	.122	.101	.084	.083	.070	.059	.048	.041	.035	.015	.013	.011	
4.0	.130	.101	.079	.112	.088	.069	.077	.061	.049	.044	.036	.029	.014	.012	.009	
5.0	.121	.089	.066	.104	.077	.058	.071	.054	.041	.041	.032	.024	.013	.010	.008	
6.0	.112	.080	.056	.097	.069	.049	.067	.048	.035	.039	.028	.021	.012	.009	.007	
7.0	.105	.072	.048	.091	.062	.042	.063	.044	.030	.036	.026	.018	.012	.008	.006	
8.0	.099	.065	.042	.085	.057	.037	.059	.040	.026	.034	.023	.016	.011	.008	.005	
9.0	.094	.060	.037	.081	.052	.032	.056	.037	.023	.033	.022	.014	.011	.007	.005	
10.0	.089	.055	.033	.077	.048	.029	.053	.034	.020	.031	.020	.012	.010	.007	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-12-05

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 γ Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Uncorrected UGR Table

Test:U:24.00V I:0.5250A P:12.60W PF:1.000 Lamp Flux:989.389x1 lm											
NAME: SPOT55-S 12W-36D-LENS-3000K90RA					TYPE:			WEIGHT:			
DIM.:					SPEC.:			SERIAL No.:			
MFR.: 0					SUR.:			PROTECTION 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		-0.4	0.3	-0.2	0.5	0.7	0.1	0.9	0.3	1.0	1.2
	3H	-0.6	0.2	-0.3	0.4	0.6	-0.0	0.7	0.2	0.9	1.1
	4H	-0.6	0.0	-0.4	0.3	0.5	-0.1	0.6	0.2	0.8	1.0
	6H	-0.7	-0.1	-0.4	0.2	0.4	-0.2	0.4	0.1	0.7	0.9
	8H	-0.8	-0.2	-0.5	0.1	0.4	-0.2	0.4	0.1	0.6	0.9
	12H	-0.8	-0.2	-0.5	0.0	0.3	-0.3	0.3	0.0	0.6	0.8
4H	2H	-0.5	0.2	-0.2	0.4	0.6	-0.0	0.6	0.2	0.9	1.1
	3H	-0.7	-0.1	-0.4	0.2	0.5	-0.2	0.4	0.2	0.7	1.0
	4H	-0.8	-0.2	-0.4	0.1	0.4	-0.3	0.3	0.1	0.6	0.9
	6H	-0.9	-0.4	-0.5	-0.1	0.3	-0.4	0.1	0.0	0.4	0.8
	8H	-0.9	-0.5	-0.5	-0.1	0.2	-0.4	0.0	-0.0	0.4	0.7
	12H	-1.0	-0.6	-0.6	-0.2	0.2	-0.5	-0.1	-0.1	0.3	0.7
8H	4H	-0.9	-0.5	-0.5	-0.1	0.2	-0.4	0.0	-0.0	0.4	0.7
	6H	-1.0	-0.7	-0.6	-0.3	0.2	-0.5	-0.2	-0.1	0.2	0.7
	8H	-1.1	-0.8	-0.6	-0.3	0.1	-0.6	-0.3	-0.1	0.2	0.6
	12H	-1.1	-0.9	-0.7	-0.4	0.0	-0.6	-0.4	-0.2	0.1	0.6
12H	4H	-1.0	-0.6	-0.6	-0.2	0.2	-0.5	-0.1	-0.1	0.3	0.7
	6H	-1.1	-0.8	-0.6	-0.3	0.1	-0.6	-0.3	-0.1	0.2	0.6
	8H	-1.1	-0.9	-0.7	-0.4	0.0	-0.6	-0.4	-0.2	0.1	0.6
Variations with the observer position at spacings:											
S = 1.0H		+ 2.1 / - 4.0					+ 2.4 / - 3.8				
1.5H		+ 2.7 / - 2.0					+ 3.2 / - 2.1				
2.0H		+ 3.2 / - 5.6					+ 3.4 / - 5.4				

CIE Pub.117 Corrected 989.4 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.0)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-12-05

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.5250A P:12.60W PF:1.000 Lamp Flux:989.389x1 lm		
NAME: SPOT55-S 12W-36D-LENS-3000K90RA	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

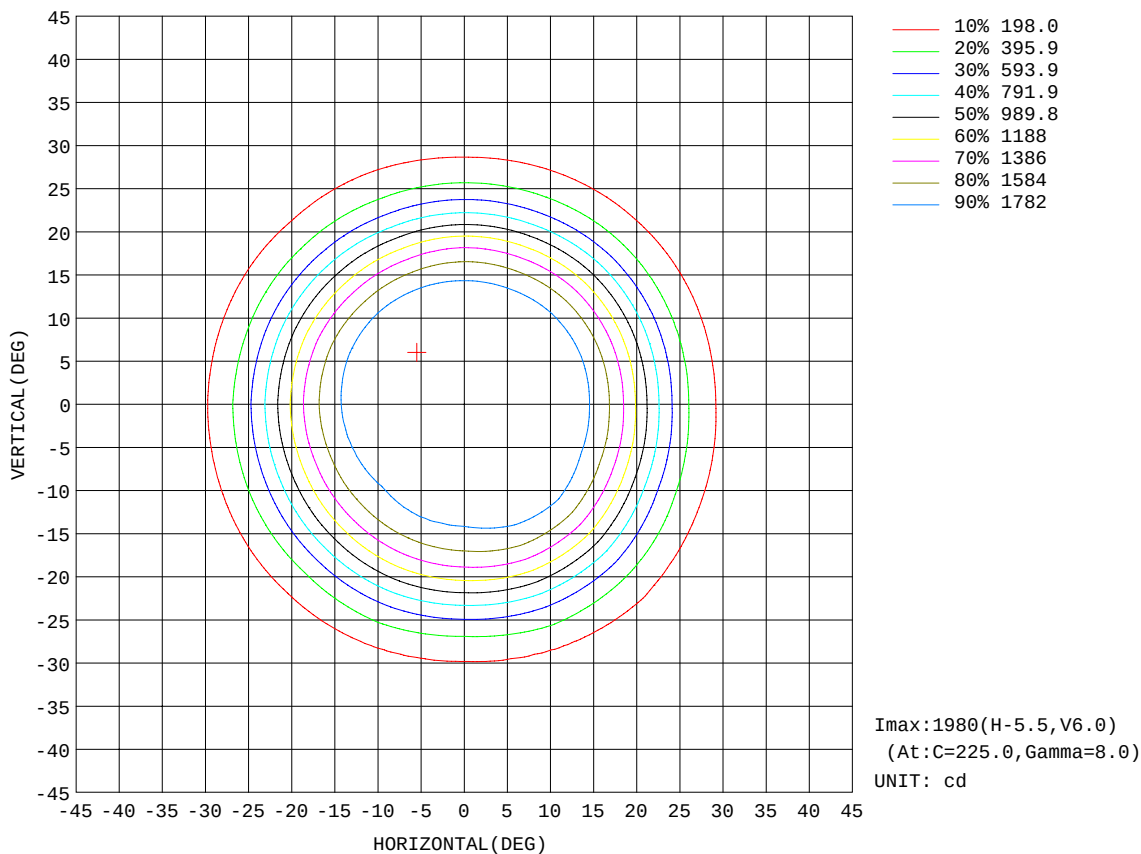
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	80	76
0.80	96	91	88	96	91	87	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	87
1.25	104	99	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	103	106	104	102	96
3.00	112	109	106	110	108	105	107	105	103	97
4.00	114	112	110	112	110	108	108	107	105	98
5.00	115	113	112	113	111	110	109	108	107	99
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:0
Test Date:2022-12-05

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 γ Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.5250A P:12.60W PF:1.000 Lamp Flux:989.389x1 lm		
NAME: SPOT55-S 12W-36D-LENS-3000K90RA	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



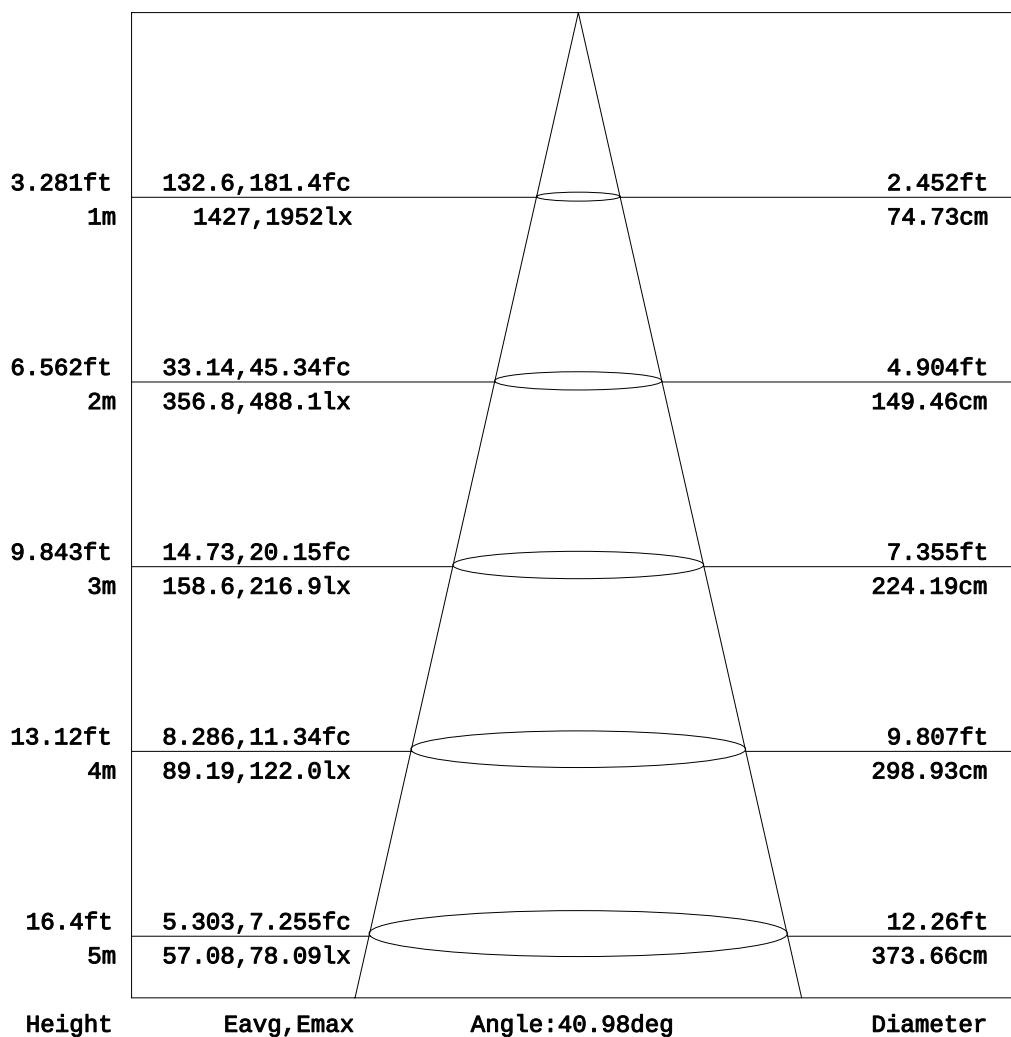
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-12-05

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:0.5250A P:12.60W PF:1.000 Lamp Flux:989.389x1 lm		
NAME: SPOT55-S 12W-36D-LENS-3000K90RA	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Flux out:731.8 lm



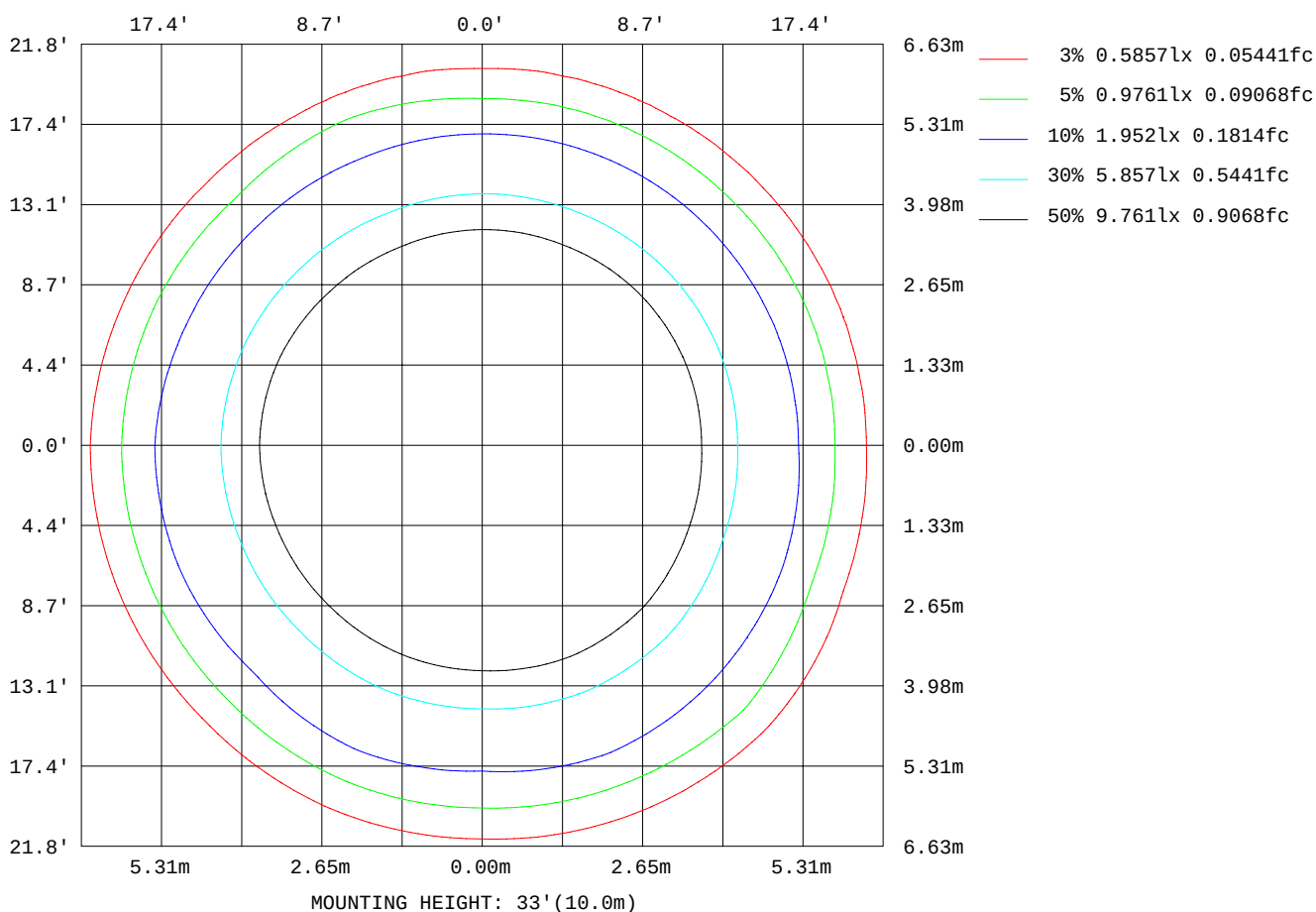
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-12-05

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:0.5250A P:12.60W PF:1.000 Lamp Flux:989.389x1 lm		
NAME: SPOT55-S 12W-36D-LENS-3000K90RA	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-12-05

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

Average Luminance Table(CIBSE)

Test:U:24.00V I:0.5250A P:12.60W PF:1.000 Lamp Flux:989.389x1 lm		
NAME: SPOT55-S 12W-36D-LENS-3000K90RA	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	989.389	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.1	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

G	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	179	178	179	182	187	191	193	195	195	194	194	193	191	188	185	184	183	184	185
60	107	107	108	111	114	117	119	121	121	120	121	121	119	116	114	113	113	113	113
65	48	49	50	51	53	55	57	58	59	59	58	57	56	56	54	53	52	52	52
70	7	7	8	10	13	14	15	14	13	12	11	11	10	10	11	11	11	12	12
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum calculated	specified maximum	maximum measured	specified maximum
Category 1	55 to 90	195	200	---	500
Category 2	65 to 90	59	200	---	500
Category 3	75 to 90	0	200	---	500

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

No match

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-12-05

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Average Luminance Table(CIBSE)

Test:U:24.00V I:0.5250A P:12.60W PF:1.000 Lamp Flux:989.389x1 lm		
NAME: SPOT55-S 12W-36D-LENS-3000K90RA	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 0	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	989.389	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.1	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:2001 Average Luminance

G deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	179	178	179	182	187	191	193	195	195	194	194	193	191	188	185	184	183	184	185
60	107	107	108	111	114	117	119	121	121	120	121	121	119	116	114	113	113	113	113
65	48	49	50	51	53	55	57	58	59	59	58	57	56	56	54	53	52	52	52
70	7	7	8	10	13	14	15	14	13	12	11	11	10	10	11	11	11	12	12
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

range (deg)	Maximum measured	Average Luminance(cd/sq.m)			
		Maximum limit for screen type & software category used			
		Type I,II screen Some neg.s'ware	Type I,II screen Only pos.s'ware	Type III screen Some neg.s'ware	Type III screen Only pos.s'ware
55 to 90	195	1000	1500	200	500
65 to 90	59	1000	1500	200	500

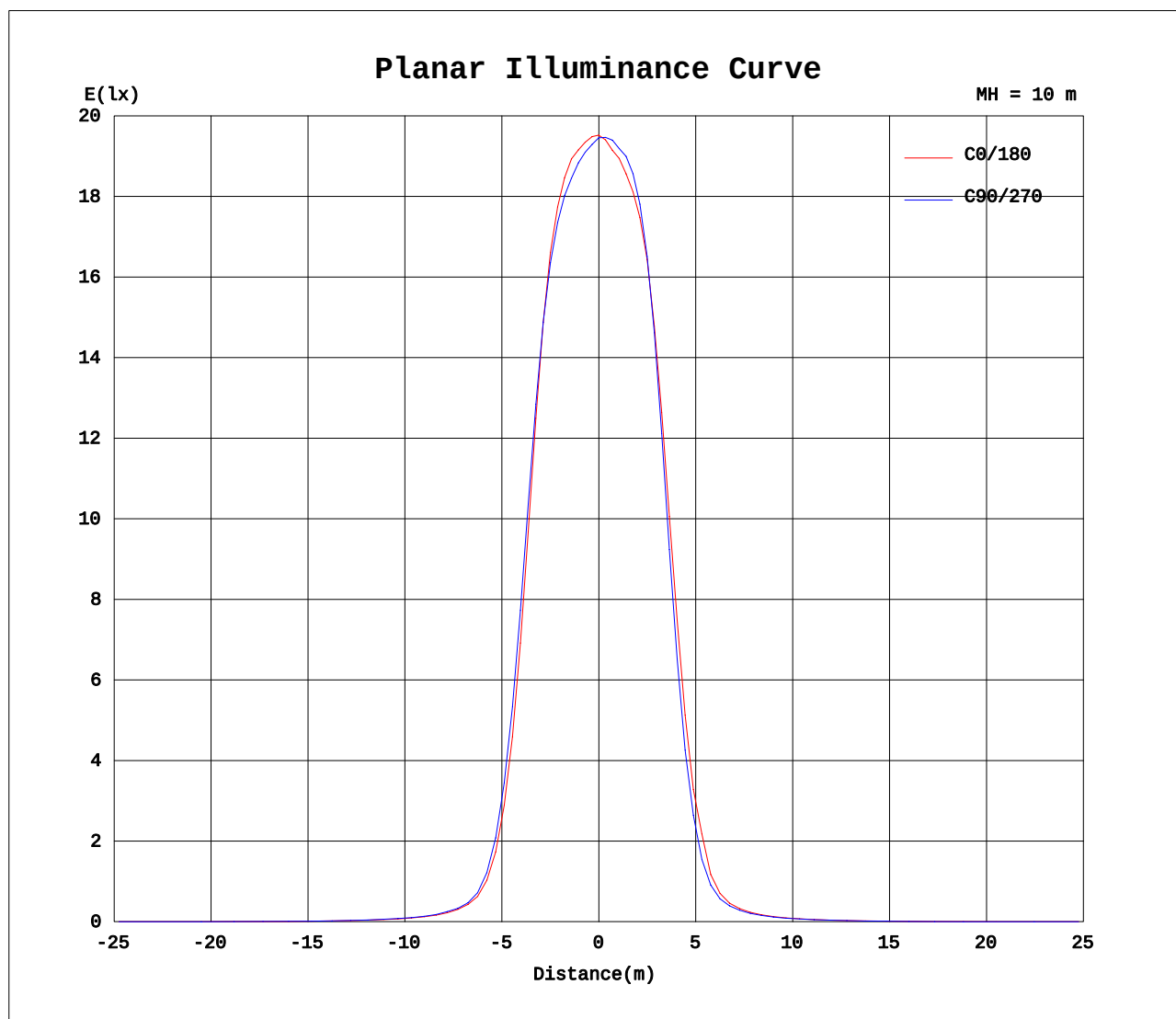
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

The luminaire satisfies the specified luminance criteria for
Negative Software with Type I & II Screen(Good to Moderate treatment).

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:0
Test Date:2022-12-05

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 0
Test Date: 2022-12-05

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.5250A P:12.60W PF:1.000 Lamp Flux:989.389x1 lm																	
NAME: SPOT55-S 12W-36D-LENS-3000K90RA									TYPE:						WEIGHT:		
DIM.:									SPEC.:						SERIAL No.:		
MFR.: 0									SUR.:						PROTECTION ANGLE:		

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	1952	1950	1947	1947	1946	1945	1945	1945	1952	1950	1947	1947	1946	1945	1945	1945			
5	1949	1949	1944	1934	1924	1912	1914	1916	1929	1939	1951	1955	1954	1946	1945	1943			
10	1934	1933	1962	1931	1887	1876	1869	1885	1897	1932	1977	1964	1944	1942	1944	1943			
15	1819	1826	1877	1847	1791	1782	1763	1777	1799	1819	1830	1816	1808	1810	1826	1827			
20	1167	1214	1292	1298	1249	1227	1198	1195	1212	1186	1127	1098	1113	1120	1151	1165			
25	603	640	727	738	700	696	664	663	673	637	585	555	559	563	587	601			
30	159	169	204	202	188	187	178	178	181	167	148	160	140	146	149	156			
35	75.8	79.9	89.1	88.5	82.9	82.9	80.6	80.9	80.8	76.0	71.6	69.4	69.3	70.4	72.7	74.3			
40	37.3	38.5	40.9	41.3	40.6	40.1	39.1	38.5	38.7	37.4	36.5	35.2	35.3	35.5	36.4	36.9			
45	26.5	26.2	27.2	28.0	27.8	27.7	26.8	26.4	26.2	25.6	25.4	24.4	24.4	24.3	25.1	25.4			
50	16.0	16.1	16.6	17.2	17.2	17.1	16.6	16.2	16.4	16.2	17.5	15.6	15.2	15.2	15.8	16.0			
55	11.3	11.4	11.9	12.3	12.3	12.3	11.8	11.6	11.7	11.4	11.4	10.8	10.7	10.8	11.1	11.3			
60	5.34	5.44	5.76	6.05	6.00	6.02	5.73	5.64	5.63	5.35	5.20	4.93	4.93	4.90	5.18	5.32			
65	2.57	2.65	2.86	3.05	3.08	2.99	2.87	2.74	2.77	2.64	2.42	2.34	2.28	2.24	2.44	2.59			
70	0.23	0.29	0.47	0.50	0.41	0.36	0.36	0.39	0.43	0.33	0.16	0.17	0.18	0.30	0.24	0.25			
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00			
80	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			
85	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			
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	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	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	0.06	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	0.05	0.18	0.15	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	0.27	0.91	0.63	0.07	0.00	0.04	0.00	0.06	0.08	0.02	0.09	0.04	0.08	0.03	0.08	0.02			
135	0.32	0.70	0.80	0.22	0.08	0.16	0.13	0.21	0.21	0.16	0.24	0.19	0.23	0.17	0.20	0.16			
140	0.85	1.49	1.55	0.69	0.50	0.59	0.59	0.68	0.61	0.57	0.68	0.65	0.66	0.60	0.62	0.58			
145	1.17	1.39	1.60	1.07	0.97	1.03	1.03	1.10	1.05	1.04	1.14	1.11	1.12	1.06	1.06	1.02			
150	1.98	2.03	2.00	1.88	1.84	1.89	1.90	1.95	1.88	1.89	2.00	1.97	1.96	1.90	1.90	1.86			
155	2.60	2.63	2.54	2.51	2.49	2.54	2.54	2.57	2.51	2.51	2.63	2.58	2.59	2.53	2.51	2.48			
160	3.53	3.54	3.43	3.45	3.48	3.48	3.47	3.51	3.44	3.42	3.52	3.49	3.50	3.43	3.43	3.38			
165	4.09	4.10	3.98	4.01	4.00	4.04	4.01	4.06	4.00	3.95	4.06	4.02	4.04	3.97	3.98	3.93			
170	4.93	4.92	4.79	4.81	4.79	4.83	4.80	4.86	4.84	4.79	4.89	4.86	4.89	4.82	4.84	4.78			
175	5.45	5.46	5.34	5.36	5.32	5.37	5.33	5.39	5.40	5.35	5.44	5.39	5.42	5.36	5.39	5.35			
180	5.83	5.84	5.79	5.79	5.77	5.78	5.76	5.78	5.83	5.81	5.81	5.79	5.79	5.76	5.80	5.77			

C Range: 0 - 360DEG
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