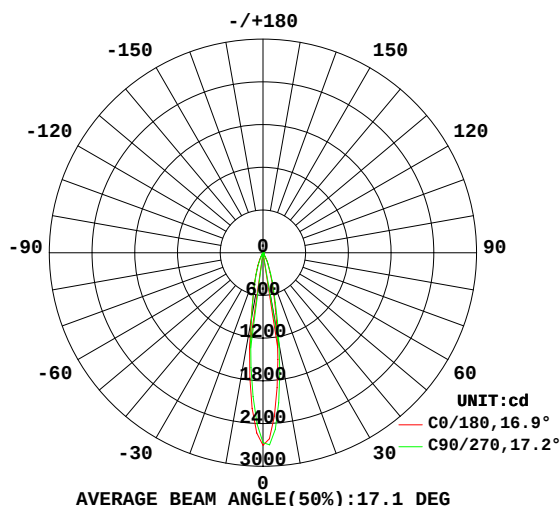


LUMINAIRE PHOTOMETRIC TEST REPORT

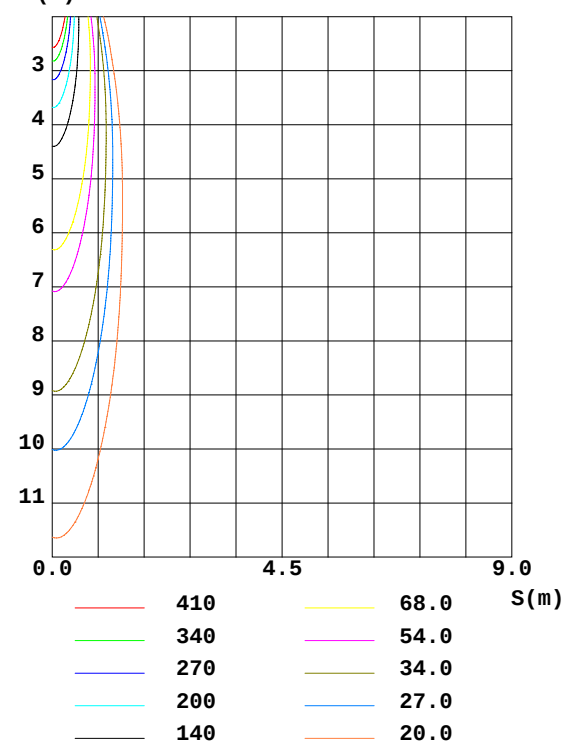
Test:U:24.00V I:0.2350A P:5.640W PF:1.000 Lamp Flux:408.53x1 lm		
NAME: CL-Spot35-D9 3000K 90RA 30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 72.43 lm/W			
MODEL		I _{max} (cd)	2718	S/MH(C0/180)	0.31
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.34
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	408.53	η UP, DN(C0-180)	0.2, 55.8
NOMINAL FLUX(lm)	408.53	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 43.8
LAMPS INSIDE	1	η up(%)	0.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24	η down(%)	99.6	CIBSE SHR MAX	1.00

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:
Test Date: 2026-05-14

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	1162	1323	1307	1204	995.2	949.6	939.5	965.1	0- 10	165.0	165.0	40.4, 40.4
20	294.7	328.3	320.3	287.2	248.3	229.4	224.9	241.4	10- 20	156.4	321.4	78.7, 78.7
30	58.07	66.83	67.04	58.57	41.72	37.25	39.01	44.05	20- 30	63.98	385.3	94.3, 94.3
40	12.83	13.49	12.80	11.31	10.51	9.979	10.19	11.20	30- 40	14.32	399.7	97.8, 97.8
50	3.497	3.950	4.106	3.992	2.980	2.396	2.231	2.566	40- 50	5.377	405.0	99.1, 99.1
60	0.8311	0.8924	0.8311	0.7603	0.6695	0.6508	0.6460	0.6461	50- 60	1.256	406.3	99.5, 99.5
70	0.3687	0.4583	0.4204	0.3637	0.2441	0.0376	0.0424	0.0518	60- 70	0.5206	406.8	99.6, 99.6
80	0.0472	0.0519	0.0425	0.0284	0	0	0	0	70- 80	0.0665	406.9	99.6, 99.6
90	0.0000	0	0.0000	0.0000	0	0	0	0	80- 90	0.0078	406.9	99.6, 99.6
100	0	0	0	0	0	0	0	0	90-100	0.0000	406.9	99.6, 99.6
110	0	0	0	0	0	0	0	0	100-110	0	406.9	99.6, 99.6
120	0	0	0	0	0.0048	0.0095	0.0142	0.0047	110-120	0.0004	406.9	99.6, 99.6
130	0	0	0	0	0.0520	0.0473	0.0520	0.0426	120-130	0.0065	406.9	99.6, 99.6
140	0.1083	0.0988	0.0941	0.1083	0.2033	0.2316	0.2222	0.1986	130-140	0.0531	407.0	99.6, 99.6
150	0.5891	0.5561	0.5561	0.5939	0.7373	0.7940	0.7845	0.7184	140-150	0.2240	407.2	99.7, 99.7
160	1.684	1.622	1.627	1.688	1.790	1.832	1.823	1.752	150-160	0.5311	407.7	99.8, 99.8
170	2.420	2.373	2.364	2.373	2.435	2.421	2.393	2.388	160-170	0.5923	408.3	99.9, 99.9
180	2.487	2.454	2.445	2.416	2.487	2.463	2.421	2.393	170-180	0.2309	408.5	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

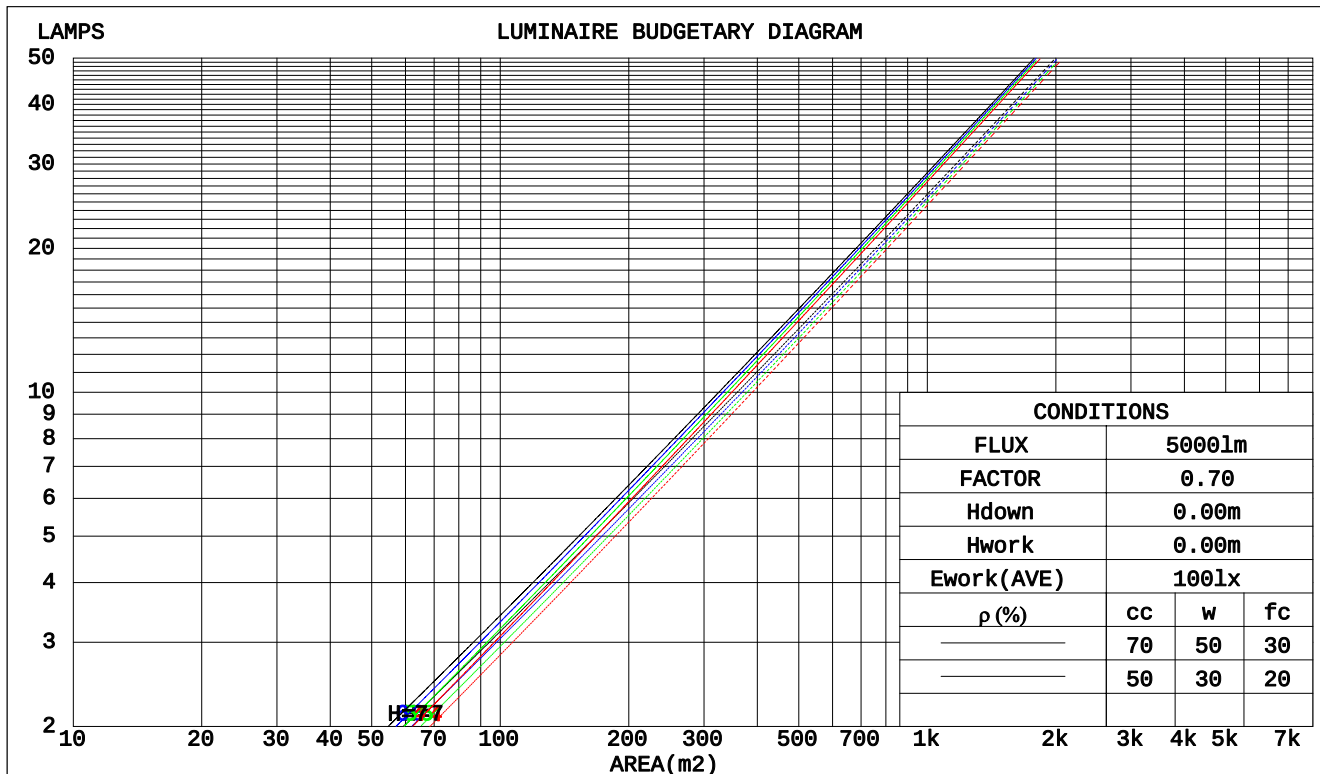
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-05-14

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.2350A P:5.640W PF:1.000 Lamp Flux:408.53x1 lm		
NAME: Spot35-3000K 90RA 30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	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	1.13	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	.00	.98	.97	.97	.96	.95	.93
3.0	1.03	.00	.97	1.02	.99	.96	.99	.97	.95	.97	.95	.93	.95	.93	.92	.90
4.0	.99	.95	.92	.98	.95	.92	.96	.93	.91	.94	.92	.90	.93	.91	.89	.88
5.0	.96	.92	.89	.95	.91	.88	.93	.90	.88	.92	.89	.87	.90	.88	.86	.85
6.0	.93	.89	.86	.92	.88	.85	.91	.87	.85	.89	.86	.84	.88	.86	.84	.83
7.0	.90	.86	.83	.89	.85	.83	.88	.85	.82	.87	.84	.82	.86	.83	.81	.80
8.0	.87	.83	.80	.87	.83	.80	.86	.82	.80	.85	.82	.80	.84	.81	.79	.78
9.0	.85	.81	.78	.84	.81	.78	.84	.80	.78	.83	.80	.78	.82	.79	.77	.76
10.0	.83	.79	.76	.82	.78	.76	.81	.78	.76	.81	.78	.76	.80	.77	.75	.75



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-05-14

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:0.2350A P:5.640W PF:1.000 Lamp Flux:408.53x1 lm									
NAME: Spot35-3000K 90RA 30D					TYPE:			WEIGHT:	
DIM.:					SPEC.:			SERIAL No.:	
MFR.:					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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.135	.077	.024	.128	.073	.023	.116	.066	.021	.104	.060	.019	.093	.054	.017		
2.0	.125	.068	.021	.119	.066	.020	.109	.061	.019	.099	.056	.017	.091	.051	.016		
3.0	.116	.062	.019	.112	.060	.018	.103	.056	.017	.095	.052	.016	.088	.048	.015		
4.0	.109	.057	.017	.105	.055	.016	.098	.052	.015	.091	.049	.015	.085	.046	.014		
5.0	.102	.052	.015	.099	.051	.015	.093	.048	.014	.087	.046	.014	.082	.044	.013		
6.0	.097	.049	.014	.094	.047	.014	.089	.045	.013	.084	.043	.013	.079	.042	.012		
7.0	.092	.045	.013	.089	.045	.013	.085	.043	.012	.080	.041	.012	.076	.040	.012		
8.0	.087	.043	.012	.085	.042	.012	.081	.041	.012	.077	.039	.011	.074	.038	.011		
9.0	.083	.040	.011	.082	.040	.011	.078	.039	.011	.074	.037	.011	.071	.036	.010		
10.0	.080	.038	.011	.078	.038	.011	.075	.037	.010	.072	.036	.010	.069	.035	.010		

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	.171	.161	.151	.147	.138	.130	.100	.095	.090	.058	.055	.052	.018	.018	.017	
2.0	.153	.136	.121	.131	.117	.105	.090	.081	.073	.052	.047	.043	.017	.015	.014	
3.0	.138	.116	.099	.118	.100	.086	.081	.070	.060	.047	.041	.036	.015	.013	.012	
4.0	.125	.101	.082	.108	.087	.072	.074	.061	.050	.043	.036	.030	.014	.012	.010	
5.0	.115	.089	.069	.099	.077	.060	.068	.054	.043	.039	.031	.025	.013	.010	.008	
6.0	.106	.079	.059	.091	.068	.051	.063	.048	.036	.036	.028	.022	.012	.009	.007	
7.0	.098	.070	.051	.084	.061	.044	.058	.043	.031	.034	.025	.019	.011	.008	.006	
8.0	.092	.064	.044	.079	.055	.039	.055	.039	.027	.032	.023	.016	.010	.007	.005	
9.0	.086	.058	.039	.074	.050	.034	.051	.035	.024	.030	.021	.014	.010	.007	.005	
10.0	.081	.053	.035	.070	.046	.030	.048	.032	.021	.028	.019	.013	.009	.006	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-05-14

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:

Uncorrected UGR Table

Test:U:24.00V I:0.2350A P:5.640W PF:1.000 Lamp Flux:408.53x1 lm											
NAME: Spot35-3000K 90RA 30D					TYPE:			WEIGHT:			
DIM.:					SPEC.:			SERIAL No.:			
MFR.:					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		-5.6	-5.0	-5.4	-4.8	-4.7	-5.6	-4.9	-5.3	-4.8	-4.6
	3H	-5.7	-5.1	-5.4	-4.9	-4.7	-5.6	-5.0	-5.4	-4.8	-4.6
	4H	-5.8	-5.2	-5.5	-5.0	-4.8	-5.7	-5.1	-5.4	-4.9	-4.7
	6H	-5.8	-5.3	-5.6	-5.1	-4.8	-5.8	-5.3	-5.5	-5.0	-4.8
	8H	-5.9	-5.4	-5.6	-5.1	-4.9	-5.8	-5.3	-5.5	-5.1	-4.8
	12H	-5.9	-5.4	-5.6	-5.2	-4.9	-5.9	-5.4	-5.6	-5.1	-4.8
4H	2H	-5.8	-5.2	-5.5	-5.0	-4.8	-5.7	-5.2	-5.5	-4.9	-4.7
	3H	-5.9	-5.4	-5.5	-5.1	-4.8	-5.8	-5.3	-5.5	-5.0	-4.8
	4H	-5.9	-5.5	-5.6	-5.2	-4.9	-5.9	-5.4	-5.6	-5.1	-4.8
	6H	-6.0	-5.6	-5.7	-5.3	-5.0	-6.0	-5.6	-5.6	-5.3	-4.9
	8H	-6.1	-5.7	-5.7	-5.4	-5.0	-6.1	-5.7	-5.7	-5.3	-5.0
	12H	-6.2	-5.8	-5.8	-5.4	-5.0	-6.1	-5.8	-5.7	-5.4	-5.0
8H	4H	-6.1	-5.7	-5.7	-5.4	-5.0	-6.0	-5.7	-5.7	-5.3	-4.9
	6H	-6.2	-5.9	-5.8	-5.5	-5.1	-6.2	-5.9	-5.7	-5.5	-5.0
	8H	-6.3	-6.0	-5.8	-5.6	-5.1	-6.2	-5.9	-5.8	-5.5	-5.1
	12H	-6.3	-6.1	-5.9	-5.7	-5.2	-6.3	-6.0	-5.8	-5.6	-5.1
12H	4H	-6.2	-5.8	-5.7	-5.4	-5.0	-6.1	-5.8	-5.7	-5.4	-5.0
	6H	-6.3	-6.0	-5.8	-5.6	-5.1	-6.2	-5.9	-5.8	-5.5	-5.1
	8H	-6.3	-6.1	-5.9	-5.7	-5.2	-6.3	-6.0	-5.8	-5.6	-5.1
Variations with the observer position at spacings:											
S = 1.0H	+ 2.4 / - 7.3					+ 2.4 / - 7.2					
1.5H	+ 3.6 / - 8.4					+ 3.3 / - 7.5					
2.0H	+ 5.7 / - 5.4					+ 5.7 / - 5.7					

CIE Pub.117 Corrected 408.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.1)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-05-14

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:0.2350A P:5.640W PF:1.000 Lamp Flux:408.53x1 lm		
NAME: Spot35-3000K 90RA 30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

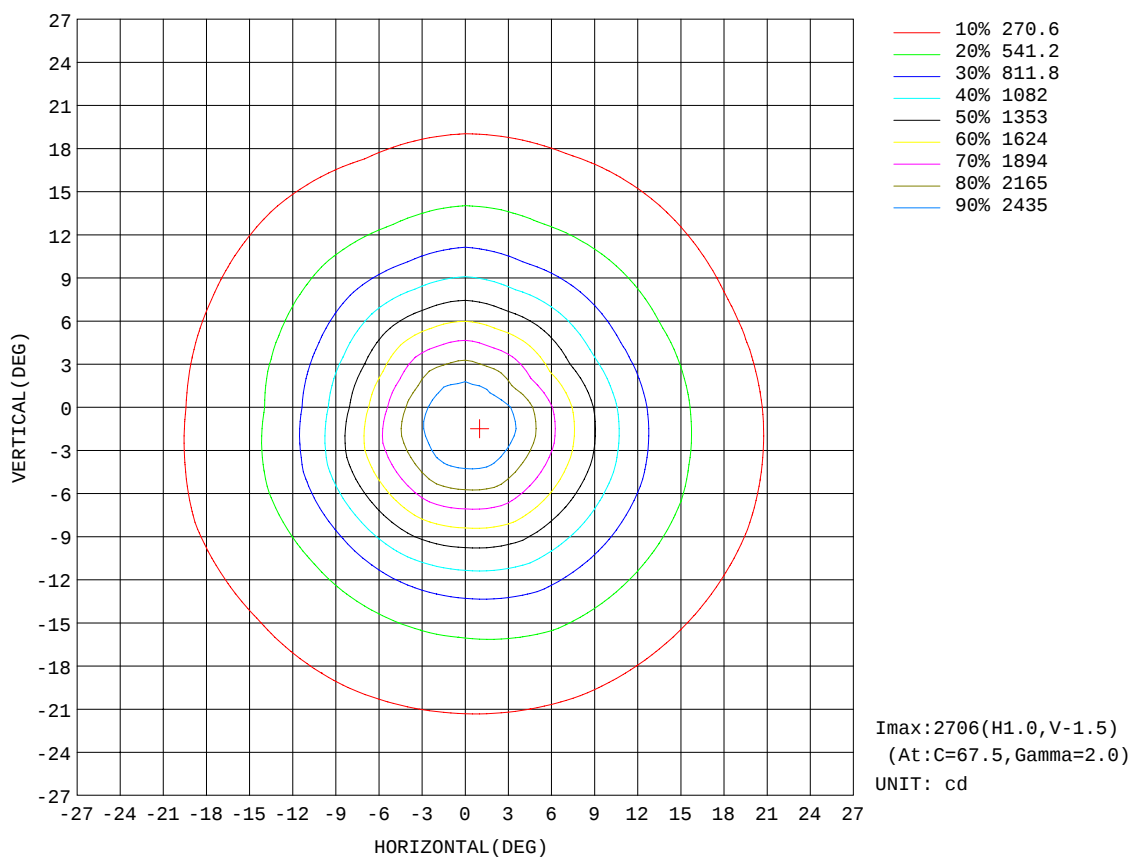
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	90	84	81	90	84	81	89	84	81	77
0.80	97	92	89	97	92	88	95	91	88	85
1.00	101	96	93	100	96	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	106	103	108	105	102	105	103	100	95
2.50	111	108	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	115	113	112	113	112	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:
Test Date:2026-05-14

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:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.2350A P:5.640W PF:1.000 Lamp Flux:408.53x1 lm		
NAME: Spot35-3000K 90RA 30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



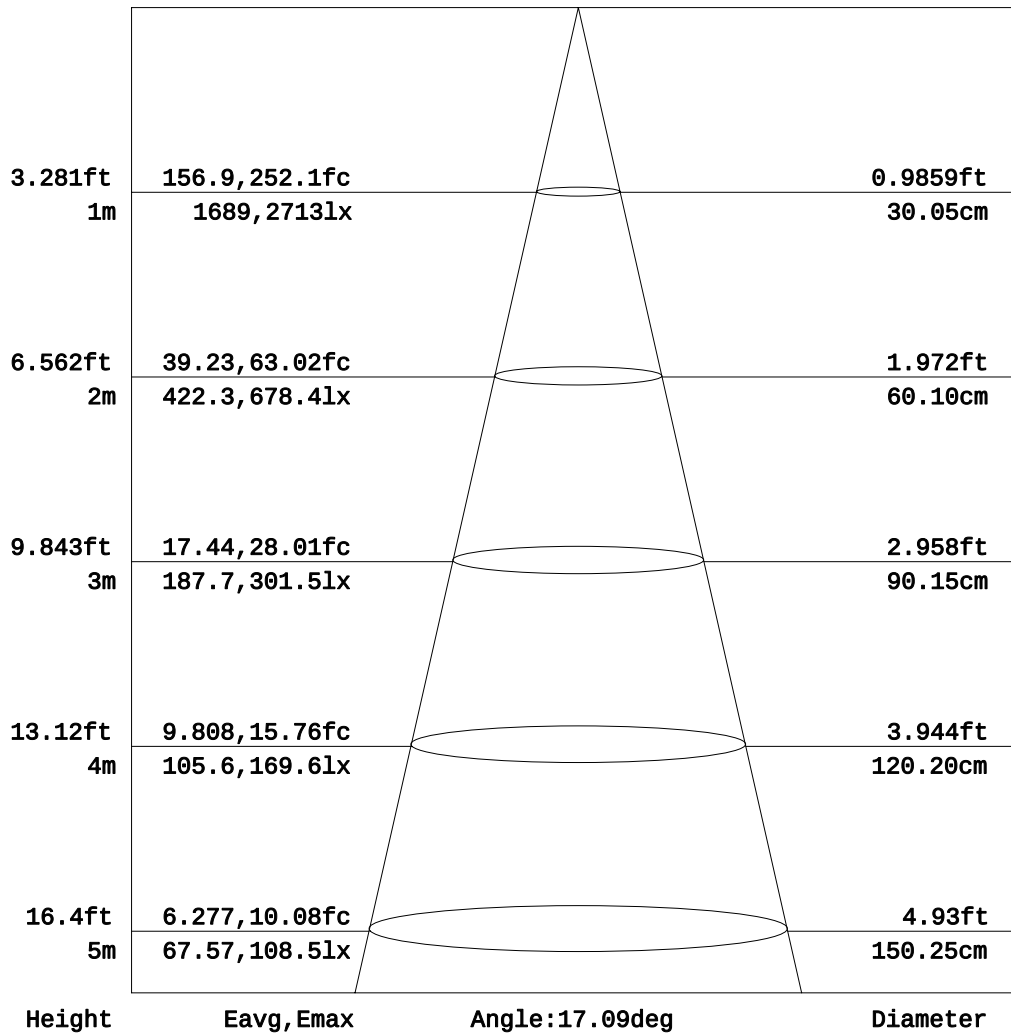
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-05-14

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:0.2350A P:5.640W PF:1.000 Lamp Flux:408.53x1 lm		
NAME: Spot35-3000K 90RA 30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Flux out:165.0 lm



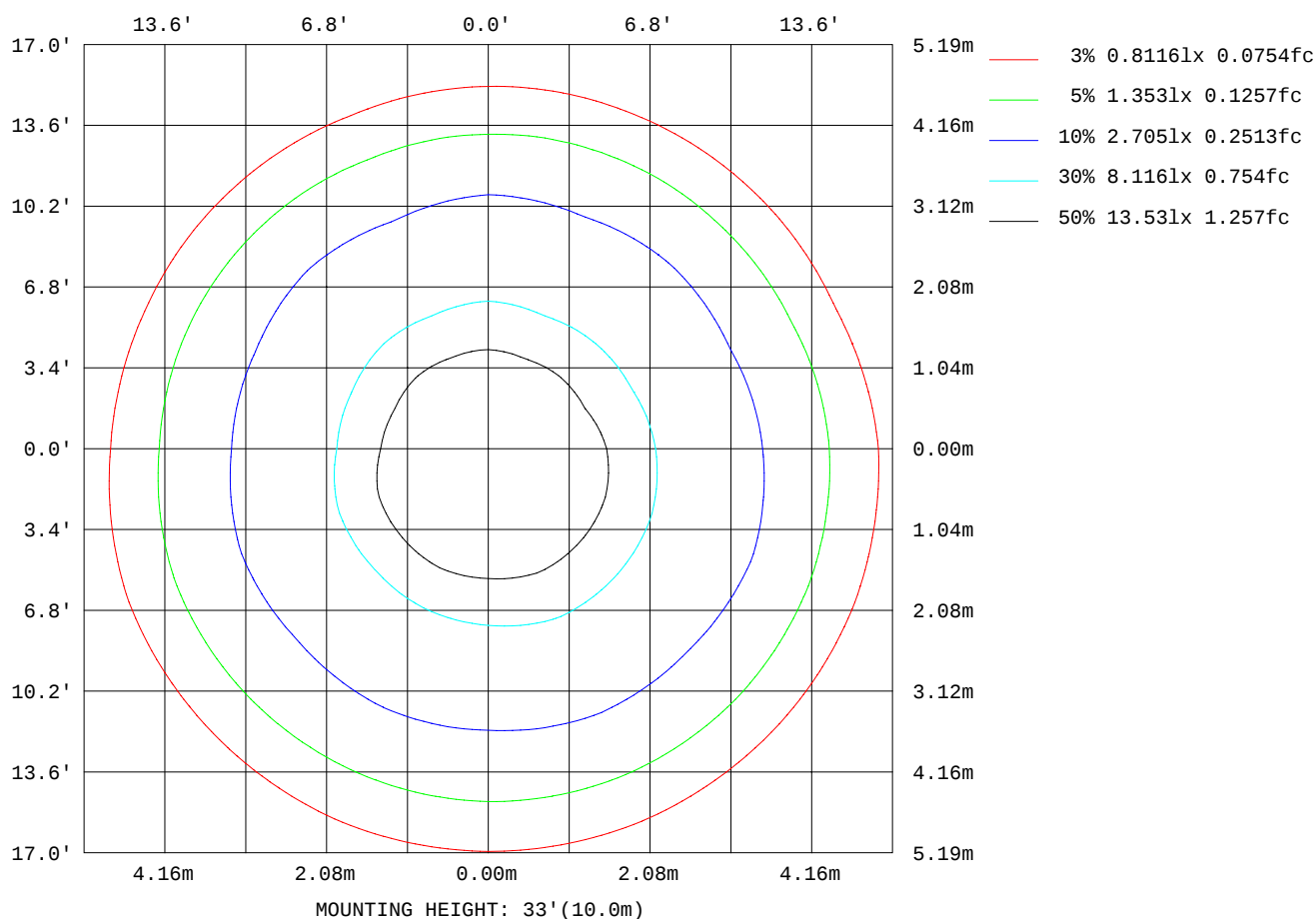
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-05-14

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:0.2350A P:5.640W PF:1.000 Lamp Flux:408.53x1 lm		
NAME: Spot35-3000K 90RA 30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-05-14

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:0.2350A P:5.640W PF:1.000 Lamp Flux:408.53x1 lm		
NAME: Spot35-3000K 90RA 30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	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	408.53	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	20	21	21	22	22	22	23	23	23	23	23	22	22	21	20	20	19	18	17
60	17	16	16	17	18	18	17	17	17	17	16	15	15	15	15	14	13	13	13
65	15	14	14	15	16	16	15	15	15	15	14	13	12	13	12	11	11	11	11
70	11	11	11	12	13	13	13	12	12	12	11	10	10	11	10	9	8	8	7
75	3	2	1	2	3	2	1	1	1	2	1	0	1	1	2	1	0	0	0
80	3	1	0	1	2	3	1	0	1	2	1	0	0	1	1	1	0	0	0
85	2	1	0	1	2	2	1	0	1	2	1	0	0	1	1	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	23	200	---	500
Category 2	65 to 90	16	200	---	500
Category 3	75 to 90	3	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:
Test Date:2026-05-14

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:0.2350A P:5.640W PF:1.000 Lamp Flux:408.53x1 lm		
NAME: Spot35-3000K 90RA 30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	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	408.53	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	20	21	21	22	22	22	23	23	23	23	23	22	22	21	20	20	19	18	17
60	17	16	16	17	18	18	17	17	17	17	16	15	15	15	15	14	13	13	13
65	15	14	14	15	16	16	15	15	15	15	14	13	12	13	12	11	11	11	11
70	11	11	11	12	13	13	13	12	12	12	11	10	10	11	10	9	8	8	7
75	3	2	1	2	3	2	1	1	1	2	1	0	1	1	2	1	0	0	0
80	3	1	0	1	2	3	1	0	1	2	1	0	0	1	1	1	0	0	0
85	2	1	0	1	2	2	1	0	1	2	1	0	0	1	1	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	23	1000	1500	200	500
65 to 90	16	1000	1500	200	500

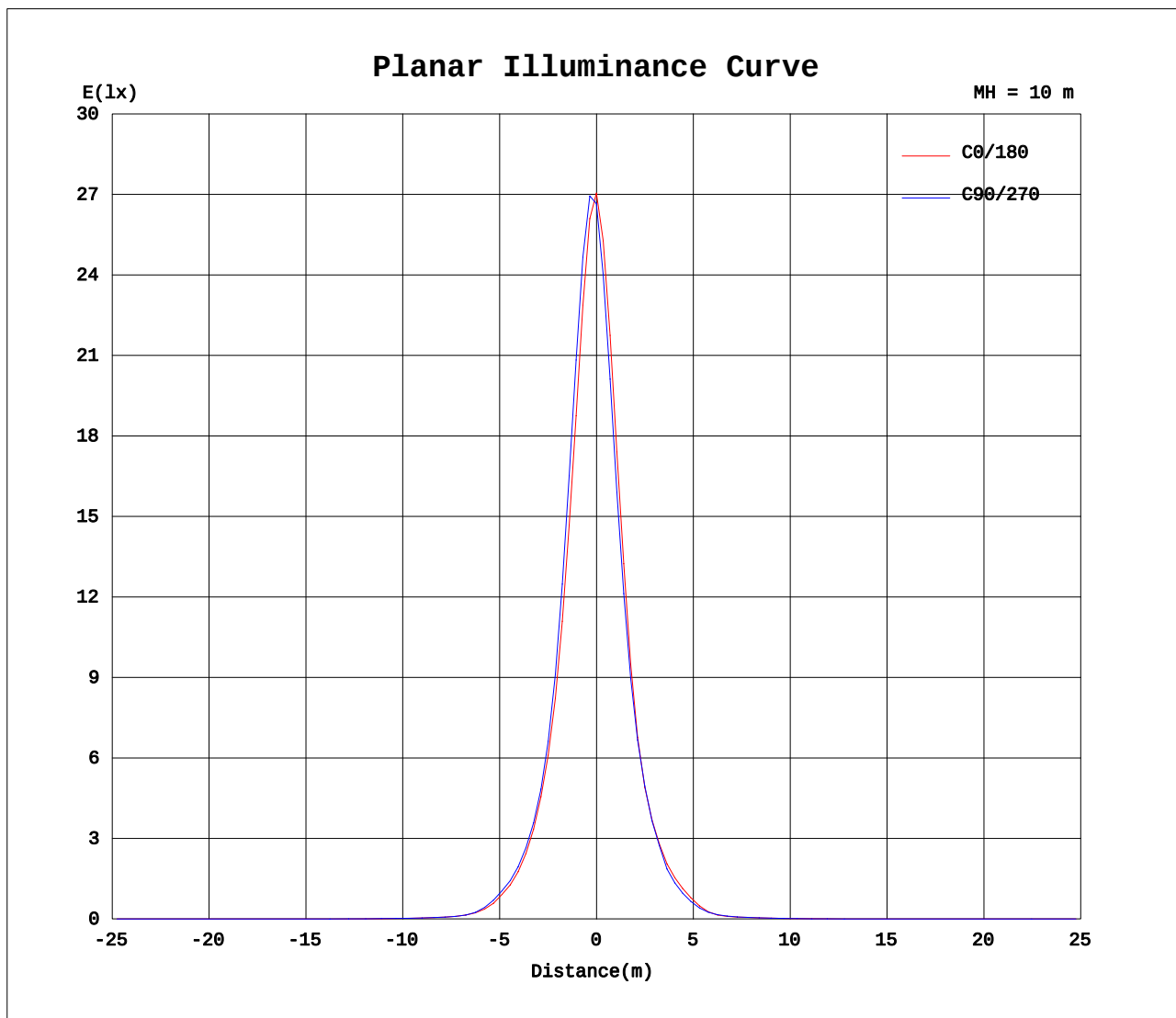
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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:
Test Date:2026-05-14

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:
Test Date: 2026-05-14

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:0.2350A P:5.640W PF:1.000 Lamp Flux:408.53x1 lm																	
NAME: Spot35-3000K 90RA 30D									TYPE:						WEIGHT:		
DIM.:									SPEC.:						SERIAL No.:		
MFR.:									SUR.:						PROTECTION ANGLE:		

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	2705	2690	2686	2664	2666	2648	2655	2650	2705	2690	2686	2664	2666	2648	2655	2650			
5	2303	2415	2458	2515	2485	2467	2386	2325	2191	2093	2082	2022	2027	2001	2063	2091			
10	1162	1272	1323	1364	1307	1283	1204	1143	995	947	950	912	939	908	965	1017			
15	668	733	760	783	724	673	624	604	537	529	534	511	542	527	560	592			
20	295	335	328	339	320	314	287	284	248	239	229	220	225	230	241	256			
25	167	179	186	190	188	182	174	166	149	141	131	126	126	132	136	148			
30	58.1	66.0	66.8	68.8	67.0	65.2	58.6	53.5	41.7	37.1	37.2	36.5	39.0	39.5	44.1	47.7			
35	26.2	29.0	29.3	28.7	26.2	23.3	20.6	19.6	17.6	17.6	18.3	19.1	19.4	19.7	21.0	22.0			
40	12.8	13.4	13.5	13.2	12.8	12.2	11.3	11.0	10.5	10.1	9.98	9.90	10.2	10.4	11.2	11.7			
45	8.42	8.87	8.76	8.80	8.73	8.64	8.12	7.85	7.28	6.81	6.47	6.39	6.55	6.72	7.32	7.63			
50	3.50	3.83	3.95	4.10	4.11	4.13	3.99	3.68	2.98	2.61	2.40	2.16	2.23	2.28	2.57	2.79			
55	1.31	1.50	1.57	1.68	1.66	1.68	1.50	1.40	1.08	1.06	1.02	0.97	0.95	1.05	1.02	1.11			
60	0.83	0.82	0.89	0.83	0.83	0.75	0.76	0.67	0.67	0.72	0.65	0.68	0.65	0.70	0.65	0.74			
65	0.66	0.65	0.71	0.66	0.67	0.57	0.57	0.49	0.49	0.54	0.51	0.53	0.50	0.56	0.50	0.59			
70	0.37	0.39	0.46	0.41	0.42	0.35	0.36	0.28	0.24	0.12	0.04	0.08	0.04	0.10	0.05	0.13			
75	0.09	0.03	0.08	0.03	0.07	0.02	0.06	0.01	0.00	0.04	0.01	0.06	0.01	0.06	0.02	0.07			
80	0.05	0.00	0.05	0.00	0.04	0.00	0.03	0.00	0.00	0.02	0.00	0.03	0.00	0.03	0.00	0.04			
85	0.03	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.02			
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00			
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.01	0.00			
130	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.02	0.05	0.00	0.05	0.00	0.05	0.00	0.04	0.00			
135	0.00	0.04	0.00	0.05	0.00	0.05	0.01	0.06	0.09	0.05	0.09	0.05	0.10	0.05	0.09	0.03			
140	0.11	0.15	0.10	0.14	0.09	0.15	0.11	0.17	0.20	0.17	0.23	0.18	0.22	0.16	0.20	0.14			
145	0.23	0.27	0.23	0.26	0.22	0.27	0.24	0.30	0.36	0.33	0.38	0.34	0.38	0.32	0.34	0.28			
150	0.59	0.60	0.56	0.59	0.56	0.61	0.59	0.67	0.74	0.74	0.79	0.76	0.78	0.72	0.72	0.65			
155	1.00	0.99	0.93	0.95	0.93	0.98	0.99	1.07	1.13	1.14	1.20	1.17	1.20	1.13	1.11	1.03			
160	1.68	1.69	1.62	1.65	1.63	1.69	1.69	1.77	1.79	1.78	1.83	1.80	1.82	1.76	1.75	1.68			
165	2.07	2.07	2.02	2.05	2.02	2.09	2.07	2.14	2.14	2.11	2.16	2.12	2.15	2.09	2.11	2.03			
170	2.42	2.44	2.37	2.41	2.36	2.42	2.37	2.43	2.44	2.38	2.42	2.36	2.39	2.34	2.39	2.34			
175	2.49	2.49	2.44	2.46	2.43	2.43	2.42	2.42	2.48	2.43	2.44	2.38	2.40	2.36	2.39	2.37			
180	2.49	2.49	2.45	2.46	2.44	2.42	2.42	2.40	2.49	2.46	2.46	2.42	2.42	2.39	2.39	2.37			

C Range: 0 - 360DEG
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Operators:
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