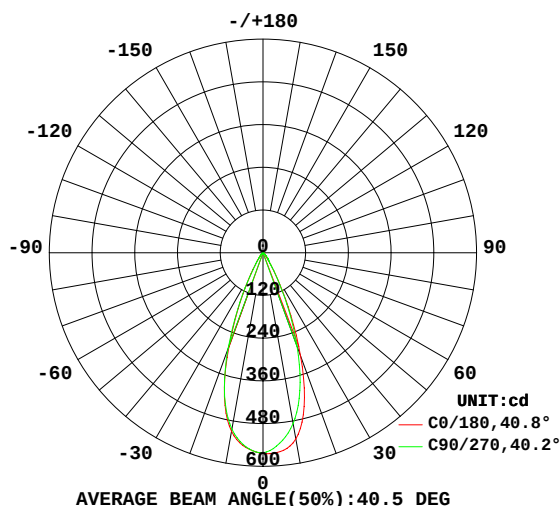


LUMINAIRE PHOTOMETRIC TEST REPORT

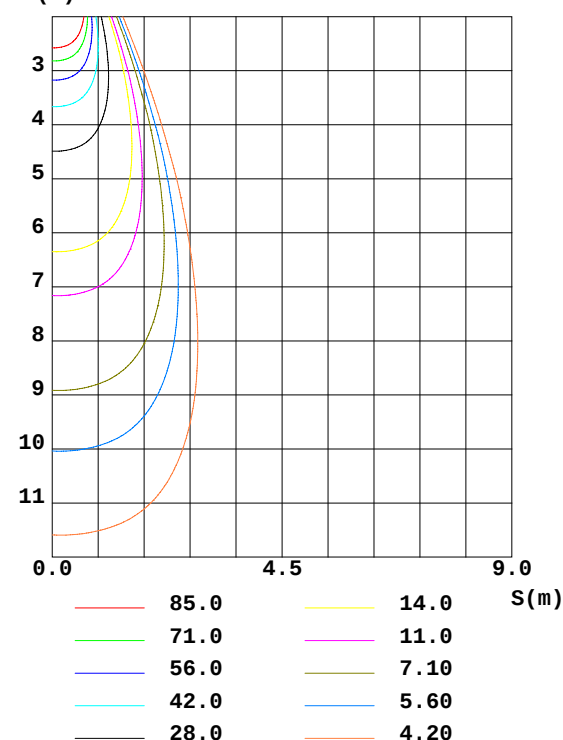
Test:U:24.00V I:0.1300A P:3.120W PF:1.000 Lamp Flux:271.462x1 lm		
NAME:CL-SPOT01 3000K-90RA	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 87.01 lm/W			
MODEL		Imax(cd)	564.8	S/MH(C0/180)	0.64
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.63
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	271.46	η UP, DN(C0-180)	0.2, 50.4
NOMINAL FLUX(lm)	271.462	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 49.3
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	99.7	CIBSE SHR MAX	0.65

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: 2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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	531.2	501.6	487.4	491.1	509.4	502.3	503.0	509.3	0- 10	50.92	50.92	18.8,18.8
20	310.0	296.6	280.3	284.6	279.7	286.1	286.5	290.6	10- 20	113.2	164.1	60.5,60.5
30	70.12	71.71	70.92	71.39	66.97	68.39	64.67	63.17	20- 30	73.05	237.2	87.4,87.4
40	15.27	15.66	24.82	15.00	14.54	15.58	14.96	14.30	30- 40	20.04	257.2	94.8,94.8
50	6.459	7.063	7.105	6.972	6.105	6.779	6.708	6.755	40- 50	7.930	265.2	97.7,97.7
60	2.168	2.725	2.801	2.744	2.098	2.550	2.513	2.470	50- 60	3.815	269.0	99.1,99.1
70	0.5913	0.6482	0.7191	0.6530	0.4940	0.4752	0.4893	0.4704	60- 70	1.471	270.5	99.6,99.6
80	0	0	0	0	0	0	0	0	70- 80	0.1303	270.6	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	0	270.6	99.7,99.7
100	0	0	0	0	0	0	0	0	90-100	0	270.6	99.7,99.7
110	0	0	0	0	0	0	0	0	100-110	0	270.6	99.7,99.7
120	0	0	0	0	0	0	0	0	110-120	0	270.6	99.7,99.7
130	0	0	0	0	0	0	0	0	120-130	0.0000	270.6	99.7,99.7
140	0.1271	0.1177	0.0846	0.1036	0.1373	0.1465	0.1278	0.1277	130-140	0.0291	270.6	99.7,99.7
150	0.4195	0.4150	0.4149	0.4290	0.4677	0.4582	0.4393	0.4394	140-150	0.1624	270.8	99.7,99.7
160	0.7971	0.8066	0.8160	0.8161	0.8546	0.8310	0.8263	0.8216	150-160	0.2858	271.1	99.9,99.9
170	1.156	1.156	1.165	1.151	1.213	1.190	1.194	1.185	160-170	0.2788	271.3	100,100
180	1.383	1.364	1.359	1.364	1.392	1.378	1.373	1.364	170-180	0.1212	271.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

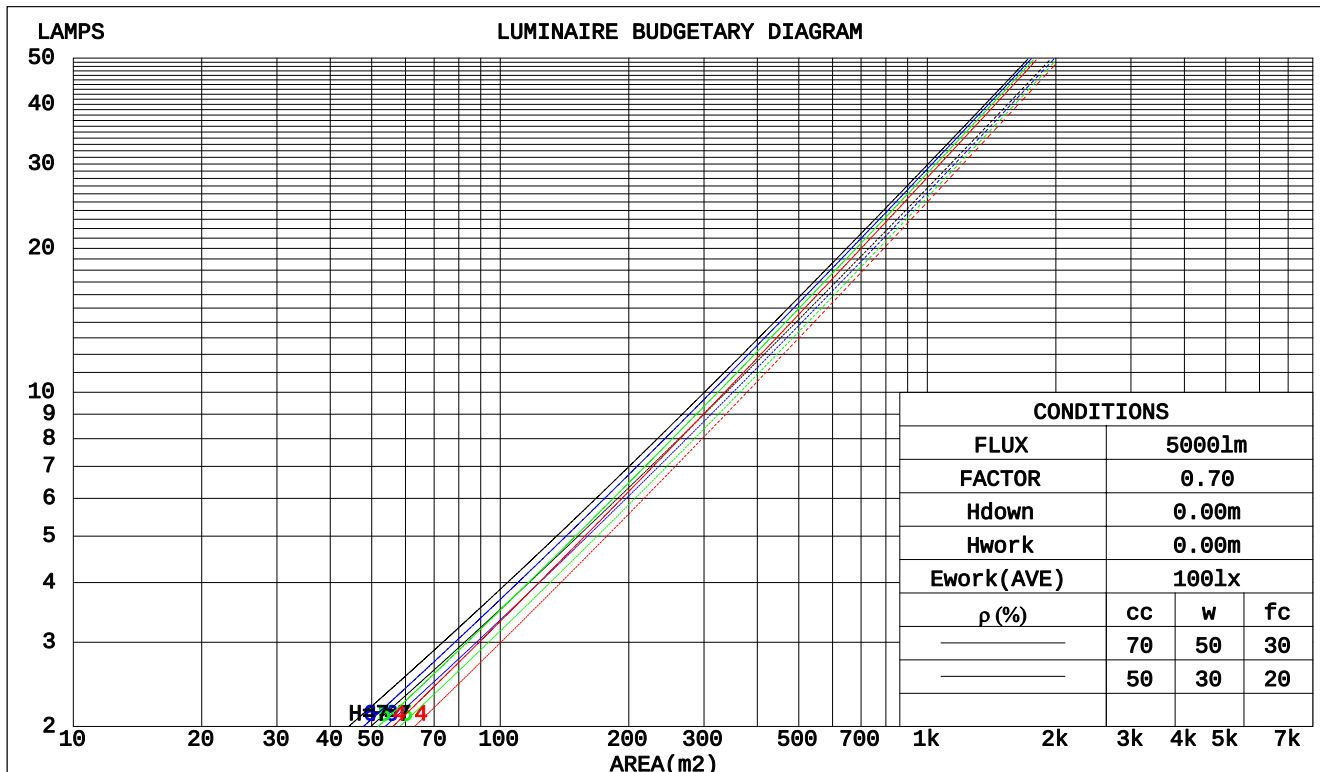
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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:0.1300A P:3.120W PF:1.000 Lamp Flux:271.462x1 lm		
NAME: SPOT01-3000K-90RA-36D	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	1.12	1.09	1.08	1.10	1.08	1.06	1.05	1.04	1.02	1.02	1.00	.99	.98	.97	.96	.95
2.0	1.05	1.02	.99	1.03	1.00	.98	1.00	.98	.95	.97	.95	.93	.94	.93	.91	.90
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.93	.90	.88	.91	.89	.87	.85
4.0	.94	.89	.86	.93	.89	.85	.91	.87	.84	.89	.86	.83	.87	.84	.82	.81
5.0	.89	.84	.81	.89	.84	.80	.87	.83	.80	.85	.82	.79	.84	.81	.78	.77
6.0	.85	.80	.76	.84	.80	.76	.83	.79	.76	.82	.78	.75	.80	.77	.75	.73
7.0	.81	.76	.73	.81	.76	.72	.79	.75	.72	.78	.75	.72	.77	.74	.71	.70
8.0	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.68	.67
9.0	.75	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.66	.72	.68	.65	.64
10.0	.72	.67	.63	.71	.66	.63	.70	.66	.63	.70	.66	.63	.69	.65	.63	.62



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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:0.1300A P:3.120W PF:1.000 Lamp Flux:271.462x1 lm									
NAME: SPOT01-3000K-90RA-36D					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	.159	.090	.029	.152	.087	.027	.139	.080	.025	.127	.073	.024	.117	.068	.022		
2.0	.150	.082	.025	.144	.079	.024	.134	.074	.023	.124	.069	.022	.115	.065	.020		
3.0	.141	.075	.023	.137	.073	.022	.128	.069	.021	.119	.065	.020	.112	.062	.019		
4.0	.134	.070	.020	.130	.068	.020	.122	.065	.019	.115	.062	.019	.108	.059	.018		
5.0	.127	.065	.019	.123	.063	.018	.117	.061	.018	.111	.058	.017	.105	.056	.017		
6.0	.121	.061	.017	.118	.059	.017	.112	.057	.017	.107	.055	.016	.101	.053	.016		
7.0	.115	.057	.016	.113	.056	.016	.107	.054	.016	.103	.053	.015	.098	.051	.015		
8.0	.110	.054	.015	.108	.053	.015	.103	.052	.015	.099	.050	.014	.095	.049	.014		
9.0	.105	.051	.014	.103	.050	.014	.099	.049	.014	.096	.048	.014	.092	.047	.013		
10.0	.101	.049	.013	.099	.048	.013	.096	.047	.013	.092	.046	.013	.089	.045	.013		

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	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.172	.160	.149	.147	.137	.128	.101	.094	.089	.058	.055	.052	.019	.018	.017	
2.0	.156	.135	.118	.133	.116	.102	.091	.080	.071	.053	.047	.042	.017	.015	.014	
3.0	.142	.116	.095	.122	.100	.082	.084	.069	.058	.048	.041	.034	.016	.013	.011	
4.0	.131	.101	.078	.112	.087	.068	.077	.061	.048	.045	.036	.028	.014	.012	.009	
5.0	.121	.089	.065	.104	.077	.057	.072	.054	.040	.042	.032	.024	.013	.010	.008	
6.0	.113	.079	.055	.097	.069	.048	.067	.048	.034	.039	.028	.020	.013	.009	.007	
7.0	.106	.072	.047	.092	.062	.041	.063	.043	.029	.037	.026	.017	.012	.008	.006	
8.0	.100	.065	.041	.086	.056	.036	.060	.040	.025	.035	.023	.015	.011	.008	.005	
9.0	.095	.060	.036	.082	.052	.031	.057	.036	.022	.033	.022	.013	.011	.007	.004	
10.0	.090	.055	.032	.078	.048	.028	.054	.034	.020	.032	.020	.012	.010	.007	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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:0.1300A P:3.120W PF:1.000 Lamp Flux:271.462x1 lm											
NAME: SPOT01-3000K-90RA-36D					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		-1.7	-0.9	-1.5	-0.7	-0.6	-1.3	-0.5	-1.1	-0.3	-0.1
3H		-1.7	-1.0	-1.5	-0.8	-0.6	-1.3	-0.5	-1.0	-0.3	-0.1
4H		-1.8	-1.1	-1.5	-0.9	-0.7	-1.4	-0.7	-1.1	-0.4	-0.2
6H		-1.9	-1.2	-1.6	-1.0	-0.7	-1.4	-0.8	-1.2	-0.5	-0.3
8H		-1.9	-1.3	-1.6	-1.0	-0.8	-1.5	-0.9	-1.2	-0.6	-0.3
12H		-2.0	-1.4	-1.7	-1.1	-0.8	-1.5	-0.9	-1.2	-0.7	-0.4
4H 2H		-1.7	-1.0	-1.5	-0.8	-0.6	-1.3	-0.6	-1.1	-0.4	-0.2
3H		-1.8	-1.2	-1.5	-0.9	-0.6	-1.4	-0.7	-1.0	-0.5	-0.2
4H		-1.9	-1.3	-1.5	-1.0	-0.7	-1.4	-0.9	-1.1	-0.6	-0.3
6H		-2.0	-1.5	-1.6	-1.1	-0.8	-1.5	-1.1	-1.2	-0.7	-0.4
8H		-2.0	-1.6	-1.6	-1.2	-0.8	-1.6	-1.1	-1.2	-0.8	-0.4
12H		-2.1	-1.7	-1.7	-1.3	-0.9	-1.6	-1.2	-1.2	-0.9	-0.5
8H 4H		-2.0	-1.6	-1.6	-1.2	-0.8	-1.6	-1.1	-1.2	-0.8	-0.4
6H		-2.1	-1.7	-1.7	-1.3	-0.9	-1.7	-1.3	-1.3	-0.9	-0.5
8H		-2.2	-1.8	-1.7	-1.4	-1.0	-1.8	-1.4	-1.3	-1.0	-0.6
12H		-2.2	-1.9	-1.8	-1.5	-1.0	-1.8	-1.5	-1.3	-1.1	-0.6
12H 4H		-2.1	-1.6	-1.6	-1.3	-0.9	-1.6	-1.2	-1.2	-0.8	-0.5
6H		-2.2	-1.8	-1.7	-1.4	-1.0	-1.8	-1.4	-1.3	-1.0	-0.6
8H		-2.2	-1.9	-1.8	-1.5	-1.0	-1.8	-1.5	-1.3	-1.1	-0.6
Variations with the observer position at spacings:											
S = 1.0H		+ 2.0 / - 3.7					+ 2.0 / - 3.2				
1.5H		+ 2.7 / - 2.2					+ 2.7 / - 2.2				
2.0H		+ 3.2 / - 3.5					+ 3.4 / - 3.2				

CIE Pub.117 Corrected 271.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.5)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
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:0.1300A P:3.120W PF:1.000 Lamp Flux:271.462x1 lm		
NAME: SPOT01-3000K-90RA-36D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

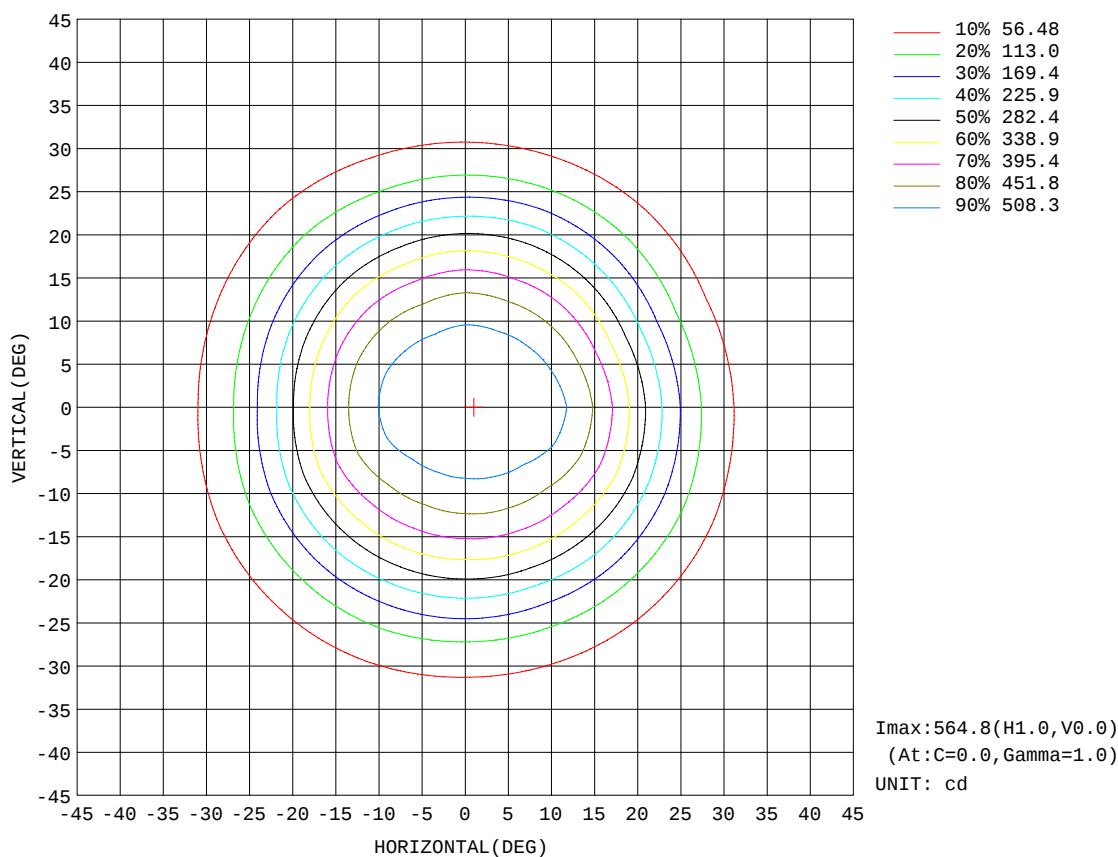
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	88	82	78	87	82	78	75
0.80	96	90	86	95	90	86	94	89	86	82
1.00	100	94	91	99	94	91	97	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	106	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:2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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:0.1300A P:3.120W PF:1.000 Lamp Flux:271.462x1 lm		
NAME: SPOT01-3000K-90RA-36D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

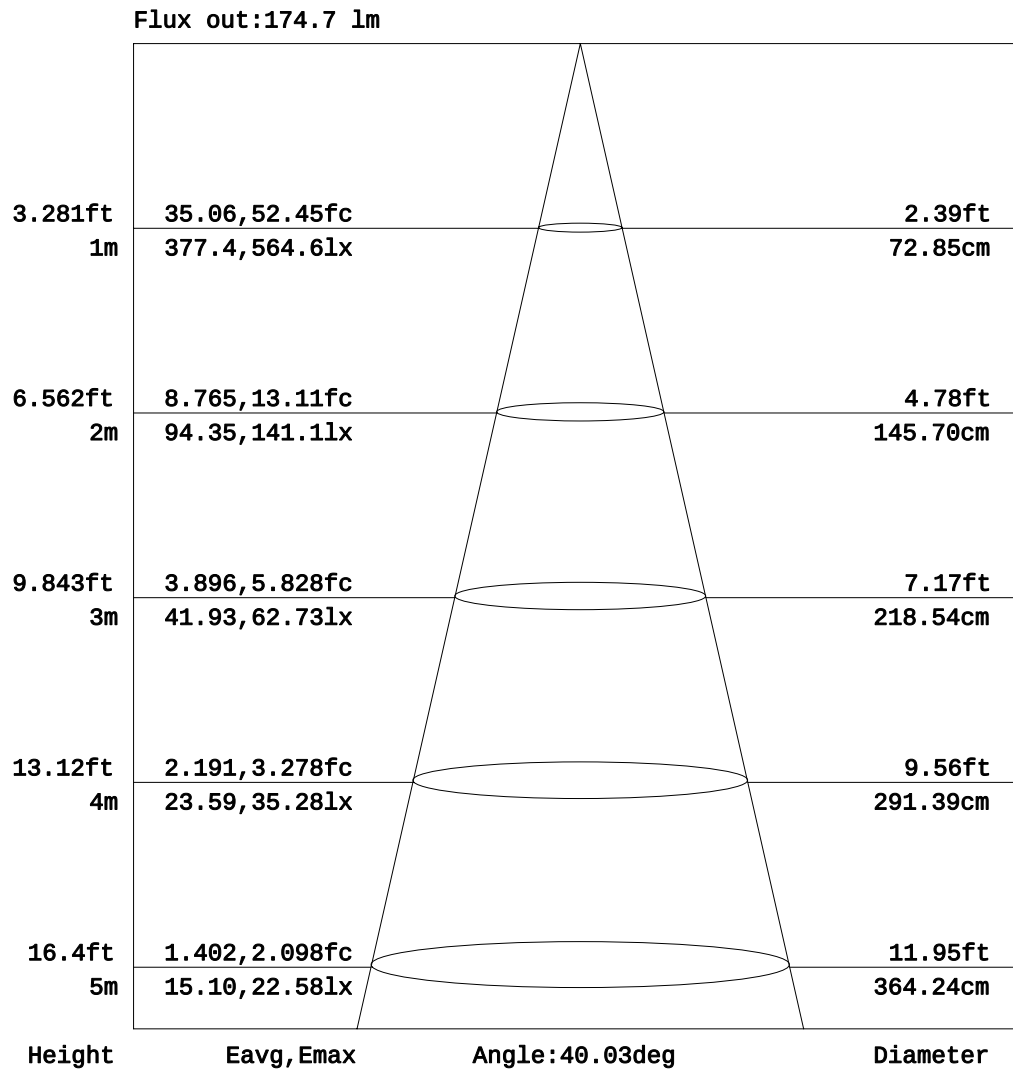


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
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:0.1300A P:3.120W PF:1.000 Lamp Flux:271.462x1 lm		
NAME: SPOT01-3000K-90RA-36D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



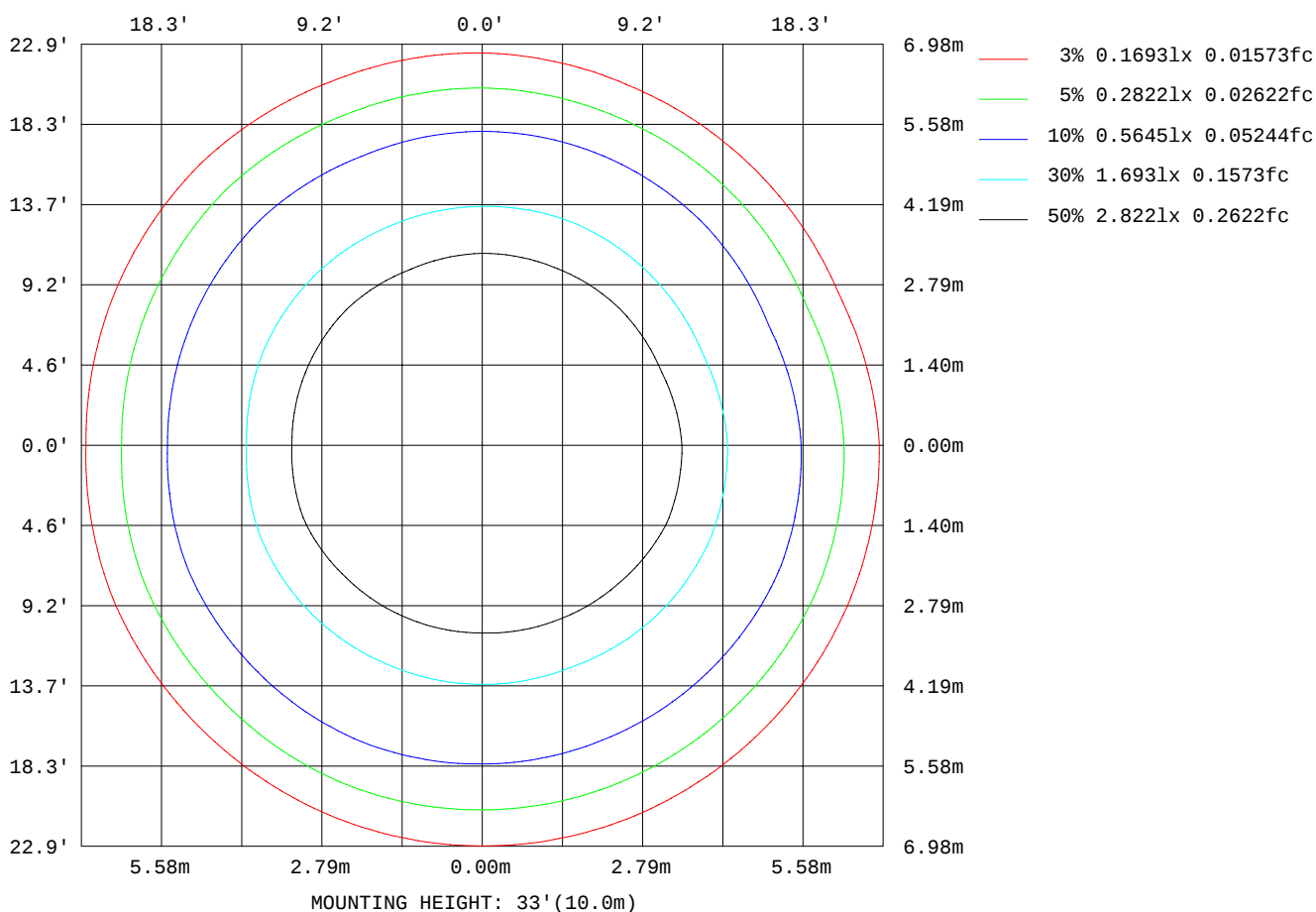
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
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:0.1300A P:3.120W PF:1.000 Lamp Flux:271.462x1 lm		
NAME: SPOT01-3000K-90RA-36D	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: 2023-07-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
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:0.1300A P:3.120W PF:1.000 Lamp Flux:271.462x1 lm		
NAME: SPOT01-3000K-90RA-36D	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	271.462	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	66	69	72	75	77	79	79	79	79	79	79	79	79	79	77	74	70	66	64
60	43	44	46	50	53	55	55	55	55	56	56	55	55	55	53	50	46	44	42
65	32	32	34	36	38	39	39	39	40	41	40	39	39	39	38	36	34	31	29
70	17	17	18	18	19	19	19	19	20	21	20	20	19	19	19	19	18	16	14
75	0	0	0	1	1	1	0	0	1	2	2	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	79	200	---	500
Category 2	65 to 90	41	200	---	500
Category 3	75 to 90	2	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:2023-07-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
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:0.1300A P:3.120W PF:1.000 Lamp Flux:271.462x1 lm		
NAME: SPOT01-3000K-90RA-36D	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	271.462	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	66	69	72	75	77	79	79	79	79	79	79	79	79	79	77	74	70	66	64
60	43	44	46	50	53	55	55	55	55	56	56	55	55	55	53	50	46	44	42
65	32	32	34	36	38	39	39	39	40	41	40	39	39	39	38	36	34	31	29
70	17	17	18	18	19	19	19	19	20	21	20	20	19	19	19	19	18	16	14
75	0	0	0	1	1	1	0	0	1	2	2	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	79	1000	1500	200	500
65 to 90	41	1000	1500	200	500

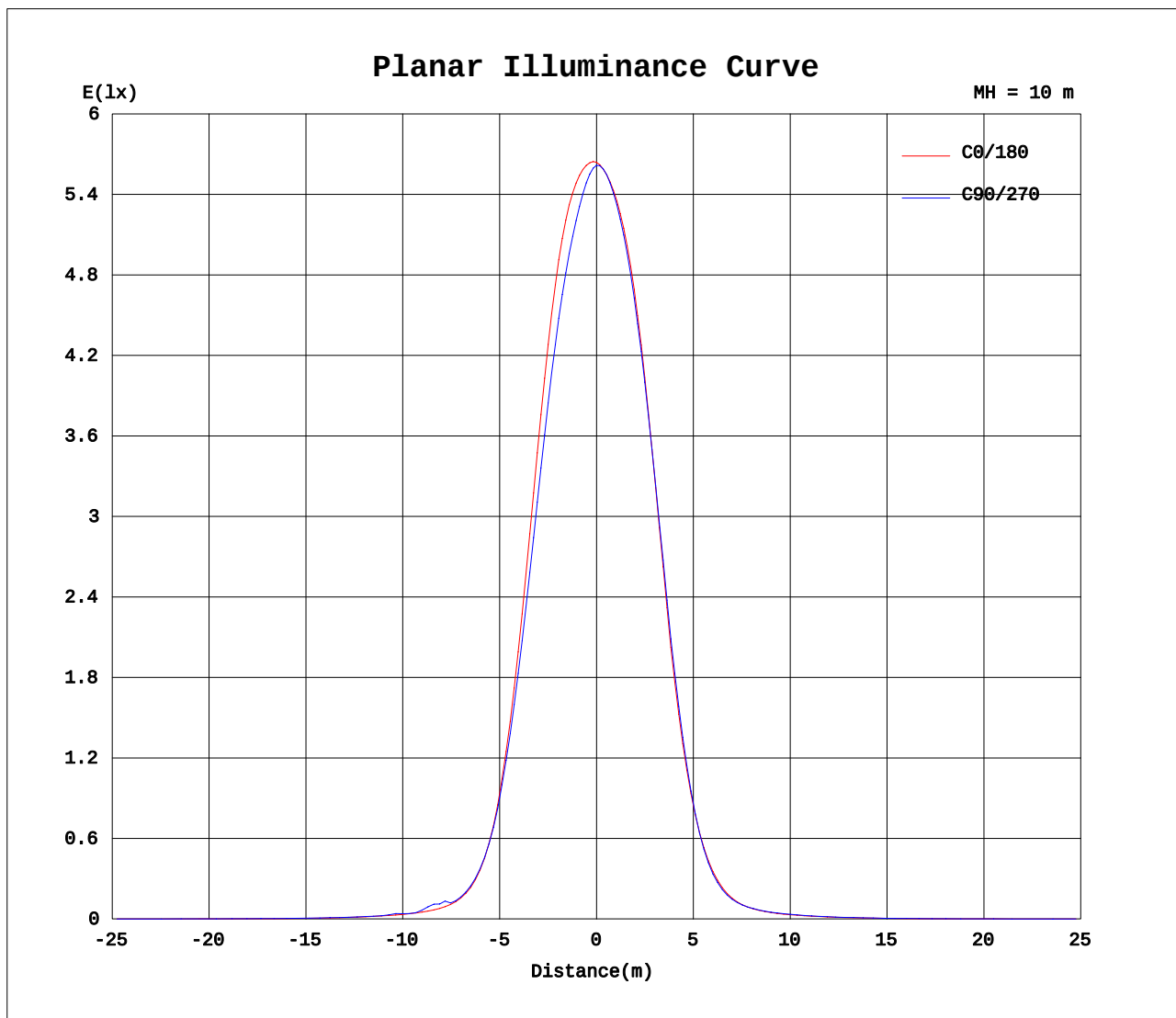
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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:2023-07-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
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: 2023-07-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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:0.1300A P:3.120W PF:1.000 Lamp Flux:271.462x1 lm																	
NAME: SPOT01-3000K-90RA-36D									TYPE:						WEIGHT:		
DIM.:									SPEC.:						SERIAL No.:		
MFR.:									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	564	563	562	562	562	562	561	561	564	563	562	562	562	562	561	561			
5	561	555	547	541	537	538	540	545	549	549	548	546	547	549	552	556			
10	531	522	502	493	487	486	491	505	509	509	502	497	503	503	509	519			
15	447	442	419	407	401	400	407	422	419	420	417	411	417	416	424	430			
20	310	313	297	284	280	281	285	290	280	284	286	282	286	289	291	290			
25	168	172	167	158	159	159	160	159	149	153	155	152	154	157	154	150			
30	70.1	73.8	71.7	70.5	70.9	72.5	71.4	71.7	67.0	67.7	68.4	64.4	64.7	63.5	63.2	60.8			
35	28.5	29.2	29.6	29.9	30.0	29.6	29.3	29.6	28.2	28.9	29.0	27.5	26.8	25.4	25.2	25.3			
40	15.3	15.6	15.7	15.7	24.8	15.1	15.0	15.0	14.5	15.2	15.6	15.2	15.0	14.3	14.3	14.3			
45	9.89	10.3	10.3	10.3	11.3	10.0	9.95	9.72	9.21	9.63	10.1	10.0	10.0	9.83	9.95	9.62			
50	6.46	6.83	7.06	7.07	7.11	6.99	6.97	6.61	6.10	6.37	6.78	6.73	6.71	6.67	6.76	6.36			
55	3.81	4.15	4.50	4.52	4.54	4.52	4.49	4.08	3.66	3.83	4.19	4.11	4.09	4.06	4.08	3.74			
60	2.17	2.34	2.73	2.73	2.80	2.75	2.74	2.36	2.10	2.27	2.55	2.57	2.51	2.52	2.47	2.27			
65	1.33	1.44	1.64	1.65	1.73	1.65	1.65	1.47	1.24	1.34	1.43	1.45	1.43	1.41	1.37	1.40			
70	0.59	0.61	0.65	0.64	0.72	0.66	0.65	0.64	0.49	0.50	0.48	0.52	0.49	0.52	0.47	0.58			
75	0.00	0.00	0.04	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			
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	0.00	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			
125	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			
130	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			
135	0.03	0.07	0.01	0.05	0.00	0.05	0.01	0.06	0.04	0.00	0.04	0.00	0.04	0.00	0.04	0.00			
140	0.13	0.17	0.12	0.16	0.08	0.15	0.10	0.16	0.14	0.10	0.15	0.09	0.13	0.08	0.13	0.08			
145	0.25	0.29	0.24	0.28	0.23	0.29	0.25	0.30	0.29	0.24	0.27	0.22	0.26	0.22	0.26	0.22			
150	0.42	0.46	0.41	0.46	0.41	0.47	0.43	0.48	0.47	0.42	0.46	0.40	0.44	0.40	0.44	0.40			
155	0.60	0.65	0.62	0.66	0.62	0.67	0.62	0.67	0.67	0.61	0.66	0.59	0.63	0.58	0.62	0.58			
160	0.80	0.85	0.81	0.86	0.82	0.87	0.82	0.86	0.85	0.80	0.83	0.79	0.83	0.78	0.82	0.77			
165	0.98	1.03	1.00	1.05	1.00	1.03	0.99	1.03	1.03	0.98	1.02	0.97	1.02	0.97	1.01	0.96			
170	1.16	1.21	1.16	1.21	1.17	1.21	1.15	1.19	1.21	1.16	1.19	1.15	1.19	1.14	1.18	1.14			
175	1.31	1.35	1.30	1.35	1.30	1.35	1.28	1.34	1.36	1.30	1.34	1.28	1.33	1.29	1.34	1.29			
180	1.38	1.39	1.36	1.37	1.36	1.37	1.36	1.37	1.39	1.37	1.38	1.36	1.37	1.36	1.36	1.37			

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