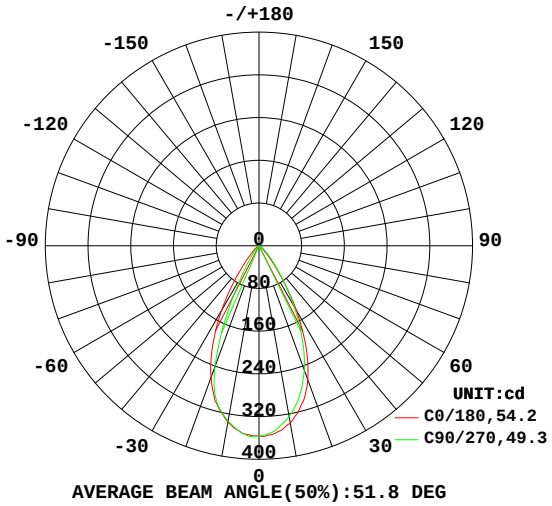
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.003V I:0.6041A P:4.9000W PF:0.6758 Freq:60.00Hz Lamp Flux:264.314x1 lm		
NAME: ASD-LSFL-LV-5BR	TYPE: N/A	WEIGHT: N/A
SPEC.: 5-5000k	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

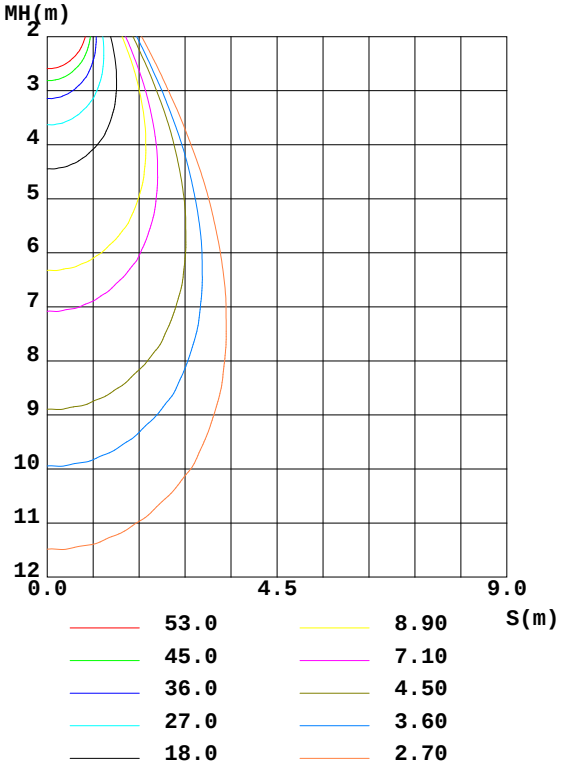
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 53.94 lm/W	
MODEL	ASD-LSFL-LV-5BR	Imax(cd)	357.6	S/MH(C0/180)	0.83
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.81
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	264.31	η UP,DN(C0-180)	0.2,44.5
NOMINAL FLUX(lm)	264.314	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,55.3
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	12	η down(%)	99.8	CIBSE SHR MAX	0.80

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):51.8 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:24.4DEG
Operators:Water
Test Date:2025-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:47%
Test Distance:2.519m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

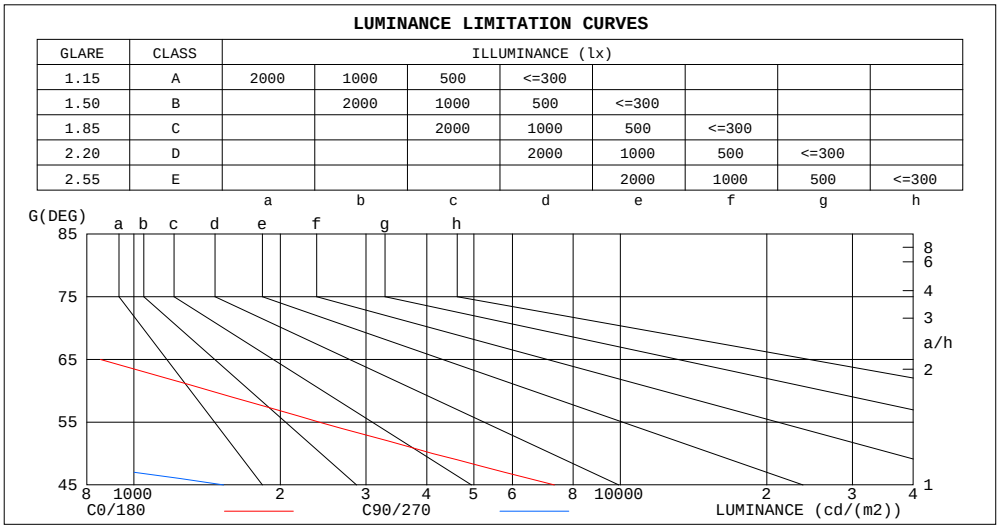
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	335.7	335.0	333.4	335.5	337.2	328.9	324.7	327.9	0- 10	32.87	32.87	12.4,12.4
20	262.5	258.3	241.1	259.3	267.4	254.5	248.2	253.9	10- 20	83.75	116.6	44.1,44.1
30	140.4	89.16	63.08	85.82	141.0	137.4	131.5	136.9	20- 30	83.97	200.6	75.9,75.9
40	40.12	18.01	11.18	16.11	37.04	48.99	45.02	49.93	30- 40	41.44	242.0	91.6,91.6
50	10.18	3.135	1.099	2.735	8.420	15.60	15.77	16.97	40- 50	14.20	256.2	96.9,96.9
60	2.764	0.2251	0	0.2146	2.348	5.464	6.283	6.242	50- 60	4.825	261.1	98.8,98.8
70	0.6512	0	0	0.0033	0.6084	2.066	2.622	2.316	60- 70	1.794	262.9	99.4,99.4
80	0.1104	0	0	0	0.1028	0.6994	0.9967	0.7515	70- 80	0.6588	263.5	99.7,99.7
90	0	0	0	0	0	0.1791	0.2619	0.1826	80- 90	0.1986	263.7	99.8,99.8
100	0	0	0	0	0	0.0787	0.0793	0.0817	90-100	0.0608	263.8	99.8,99.8
110	0	0.0000	0	0.0000	0	0.0013	0.0303	0.0035	100-110	0.0200	263.8	99.8,99.8
120	0.0125	0.0184	0.0174	0.0212	0.0000	0	0	0	110-120	0.0051	263.8	99.8,99.8
130	0.0717	0.0819	0.0862	0.1003	0.0083	0.0028	0	0.0015	120-130	0.0213	263.8	99.8,99.8
140	0.2128	0.2313	0.2527	0.2817	0.0382	0.0281	0.0197	0.0260	130-140	0.0654	263.9	99.8,99.8
150	0.4190	0.4393	0.4613	0.4908	0.0935	0.0808	0.0712	0.0736	140-150	0.1255	264.0	99.9,99.9
160	0.5928	0.6042	0.6287	0.6122	0.1759	0.1643	0.1538	0.1467	150-160	0.1523	264.2	99.9,99.9
170	0.5849	0.5977	0.6003	0.5627	0.2571	0.2523	0.2401	0.2280	160-170	0.1160	264.3	100,100
180	0.4361	0.4361	0.6946	0.6946	0.6946	0.6946	0.4361	0.4361	170-180	0.0400	264.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:24.4DEG
Operators:Water
Test Date:2025-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:47%
Test Distance:2.519m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:12.003V I:0.6041A P:4.9000W PF:0.6758 Freq:60.00Hz Lamp Flux:264.314x1 lm		
NAME: ASD-LSFL-LV-5BR	TYPE: N/A	WEIGHT: N/A
SPEC.: 5-5000k	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	105	0
80	165	0
75	286	0
70	495	0
65	853	0
60	1437	0
55	2407	72
50	4116	445
45	7320	1529

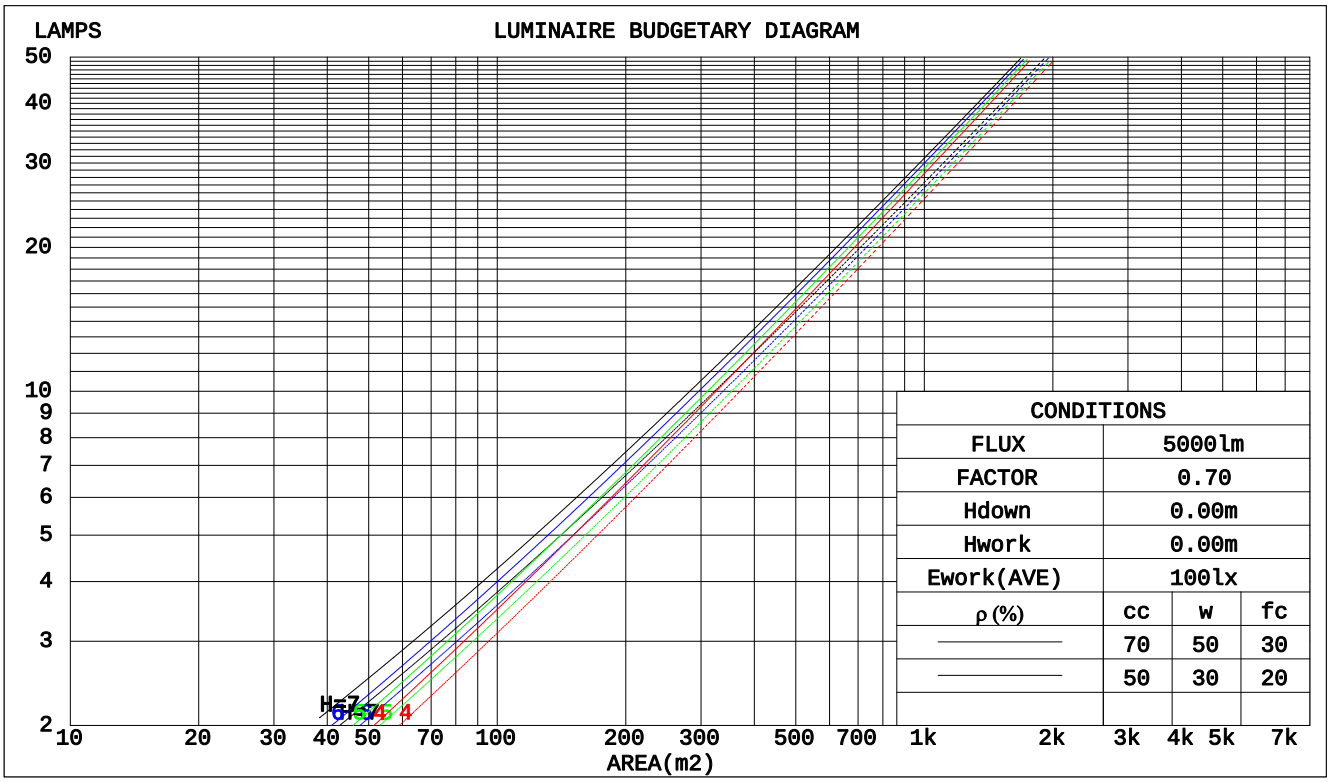
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:24.4DEG
Operators:Water
Test Date:2025-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:47%
Test Distance:2.519m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.003V I:0.6041A P:4.9000W PF:0.6758 Freq:60.00Hz Lamp Flux:264.314x1 lm		
NAME: ASD-LSFL-LV-5BR	TYPE: N/A	WEIGHT: N/A
SPEC.: 5-5000k	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

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			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	1.11	1.08	1.06	1.09	1.06	1.04	1.05	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.96	1.02	.98	.95	.98	.95	.93	.95	.93	.91	.93	.91	.89	.87
3.0	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.84	.88	.85	.83	.81
4.0	.91	.85	.81	.89	.84	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76
5.0	.85	.79	.75	.84	.79	.75	.82	.78	.74	.81	.77	.74	.79	.76	.73	.71
6.0	.80	.74	.70	.79	.74	.70	.78	.73	.69	.76	.72	.69	.75	.71	.69	.67
7.0	.76	.70	.66	.75	.70	.66	.74	.69	.65	.73	.68	.65	.71	.67	.65	.63
8.0	.72	.66	.62	.71	.66	.62	.70	.65	.61	.69	.64	.61	.68	.64	.61	.60
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.66	.61	.58	.65	.61	.58	.56
10.0	.64	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.62	.58	.55	.53



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:24.4DEG
Operators:Water
Test Date:2025-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:47%
Test Distance:2.519m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:12.003V I:0.6041A P:4.9000W PF:0.6758 Freq:60.00Hz Lamp Flux:264.314x1 lm		
NAME: ASD-LSFL-LV-5BR	TYPE: N/A	WEIGHT: N/A
SPEC.: 5-5000k	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

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 Coeffcients(WEC)									
0.0																
1.0	.176	.100	.032	.169	.096	.031	.156	.090	.029	.144	.083	.027	.134	.077	.025	
2.0	.168	.092	.028	.162	.089	.027	.151	.084	.026	.141	.079	.025	.132	.075	.024	
3.0	.159	.085	.025	.154	.083	.025	.145	.079	.024	.137	.075	.023	.129	.071	.022	
4.0	.151	.079	.023	.147	.077	.023	.139	.074	.022	.132	.071	.021	.125	.068	.021	
5.0	.144	.073	.021	.140	.072	.021	.133	.070	.020	.127	.067	.020	.121	.065	.019	
6.0	.137	.069	.020	.134	.068	.019	.128	.066	.019	.122	.064	.019	.117	.062	.018	
7.0	.131	.065	.018	.128	.064	.018	.123	.062	.018	.118	.060	.018	.113	.059	.017	
8.0	.125	.061	.017	.123	.060	.017	.118	.059	.017	.114	.058	.017	.109	.056	.016	
9.0	.120	.058	.016	.118	.057	.016	.113	.056	.016	.109	.055	.016	.106	.054	.016	
10.0	.115	.055	.015	.113	.055	.015	.109	.053	.015	.106	.052	.015	.102	.051	.015	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.173	.159	.147	.148	.137	.126	.101	.094	.087	.058	.054	.051	.019	.017	.016	
2.0	.157	.134	.115	.135	.116	.099	.092	.080	.069	.053	.047	.041	.017	.015	.013	
3.0	.145	.115	.092	.124	.099	.080	.085	.069	.056	.049	.040	.033	.016	.013	.011	
4.0	.135	.101	.075	.115	.087	.065	.079	.061	.046	.046	.035	.027	.015	.012	.009	
5.0	.126	.089	.062	.108	.077	.054	.074	.054	.038	.043	.032	.023	.014	.010	.007	
6.0	.118	.080	.052	.102	.069	.045	.070	.048	.032	.041	.028	.019	.013	.009	.006	
7.0	.112	.072	.044	.096	.062	.039	.066	.044	.027	.039	.026	.016	.012	.008	.005	
8.0	.106	.066	.038	.091	.057	.033	.063	.040	.024	.037	.024	.014	.012	.008	.005	
9.0	.101	.061	.033	.087	.053	.029	.060	.037	.021	.035	.022	.012	.011	.007	.004	
10.0	.096	.056	.030	.083	.049	.026	.057	.034	.018	.034	.020	.011	.011	.007	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:24.4DEG
Operators:Water
Test Date:2025-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:47%
Test Distance:2.519m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:12.003V I:0.6041A P:4.9000W PF:0.6758 Freq:60.00Hz Lamp Flux:264.314x1 lm		
NAME: ASD-LSFL-LV-5BR	TYPE: N/A	WEIGHT: N/A
SPEC.: 5-5000k	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

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	18.0	19.0	18.3	19.1	19.3	12.7	13.7	13.0	13.8	14.0
3H	17.9	18.7	18.1	18.9	19.1	12.6	13.4	12.8	13.6	13.8
4H	17.8	18.6	18.1	18.8	19.0	12.5	13.3	12.8	13.5	13.7
6H	17.7	18.5	18.0	18.7	19.0	12.4	13.1	12.7	13.4	13.6
8H	17.7	18.4	18.0	18.6	18.9	12.3	13.1	12.7	13.3	13.6
12H	17.6	18.3	17.9	18.6	18.9	12.3	13.0	12.6	13.3	13.5
4H 2H	17.8	18.6	18.0	18.8	19.0	12.5	13.3	12.8	13.5	13.8
3H	17.6	18.3	17.9	18.6	18.9	12.3	13.0	12.6	13.3	13.6
4H	17.5	18.1	17.9	18.4	18.8	12.2	12.9	12.6	13.2	13.5
6H	17.4	18.0	17.8	18.3	18.7	12.1	12.7	12.5	13.0	13.4
8H	17.4	17.9	17.8	18.2	18.6	12.1	12.6	12.5	12.9	13.3
12H	17.3	17.8	17.7	18.2	18.6	12.0	12.5	12.4	12.9	13.3
8H 4H	17.4	17.9	17.8	18.2	18.6	12.1	12.6	12.5	12.9	13.3
6H	17.3	17.7	17.7	18.1	18.5	12.0	12.4	12.4	12.8	13.2
8H	17.2	17.6	17.7	18.0	18.4	11.9	12.3	12.4	12.7	13.2
12H	17.2	17.5	17.6	17.9	18.4	11.9	12.2	12.3	12.6	13.1
12H 4H	17.3	17.8	17.7	18.2	18.6	12.0	12.5	12.4	12.9	13.3
6H	17.2	17.6	17.7	18.0	18.4	11.9	12.3	12.4	12.7	13.2
8H	17.2	17.5	17.6	17.9	18.4	11.9	12.2	12.3	12.6	13.1

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 4.6 / -10.1	+ 3.0 / -27.1
1.5H	+ 6.6 / -10.7	+ 5.3 / -14.8
2.0H	+ 7.4 / -13.5	+ 6.6 / -27.9

CIE Pub.117, 264.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.6)
Area: 0.0038465 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:24.4DEG
Operators:Water
Test Date:2025-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:47%
Test Distance:2.519m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:12.003V I:0.6041A P:4.9000W PF:0.6758 Freq:60.00Hz Lamp Flux:264.314x1 lm		
NAME: ASD-LSFL-LV-5BR	TYPE: N/A	WEIGHT: N/A
SPEC.: 5-5000k	DIM.: N/A	SERIAL No.: N/A
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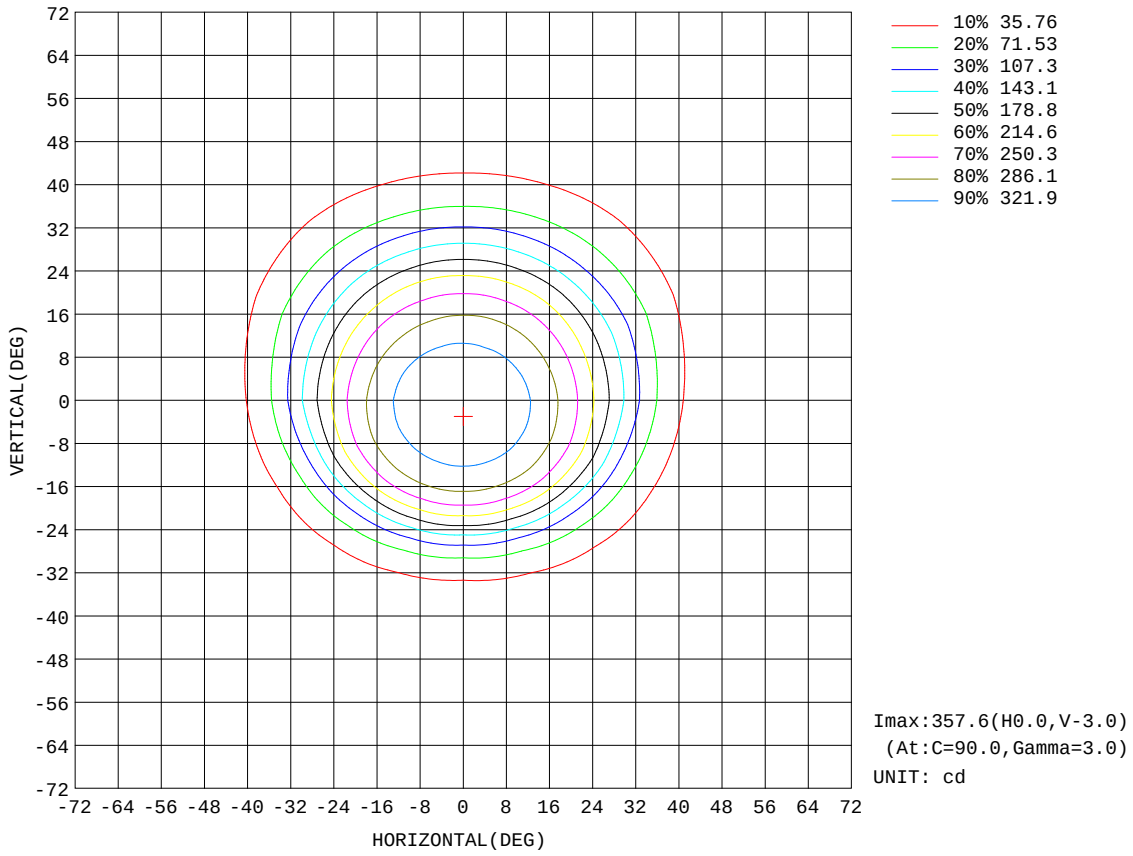
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	86	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	87	84	92	87	83	80
1.00	99	93	89	98	92	89	96	92	88	84
1.25	103	97	94	102	97	93	100	96	93	88
1.50	105	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	112	108	105	110	107	104	106	104	102	95
4.00	114	111	108	111	109	107	108	106	104	97
5.00	115	112	111	113	111	109	109	107	106	98
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: MEDIUM
Temperature:24.4DEG
Operators:Water
Test Date:2025-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:47%
Test Distance:2.519m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:12.003V I:0.6041A P:4.9000W PF:0.6758 Freq:60.00Hz Lamp Flux:264.314x1 lm		
NAME: ASD-LSFL-LV-5BR	TYPE: N/A	WEIGHT: N/A
SPEC.: 5-5000k	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

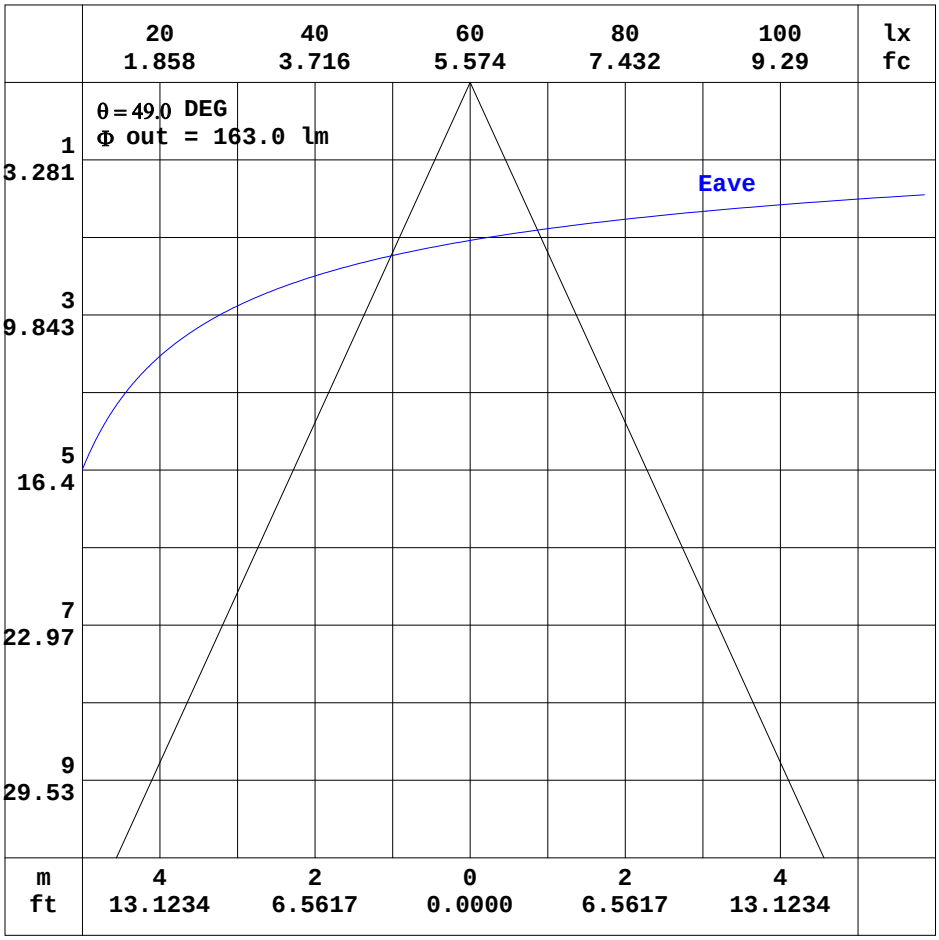


C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:47%
Test Distance:2.519m [K=1.0000]
Remarks:

AAI CURVES

Test:U:12.003V I:0.6041A P:4.9000W PF:0.6758 Freq:60.00Hz Lamp Flux:264.314x1 lm		
NAME: ASD-LSFL-LV-5BR	TYPE: N/A	WEIGHT: N/A
SPEC.: 5-5000k	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



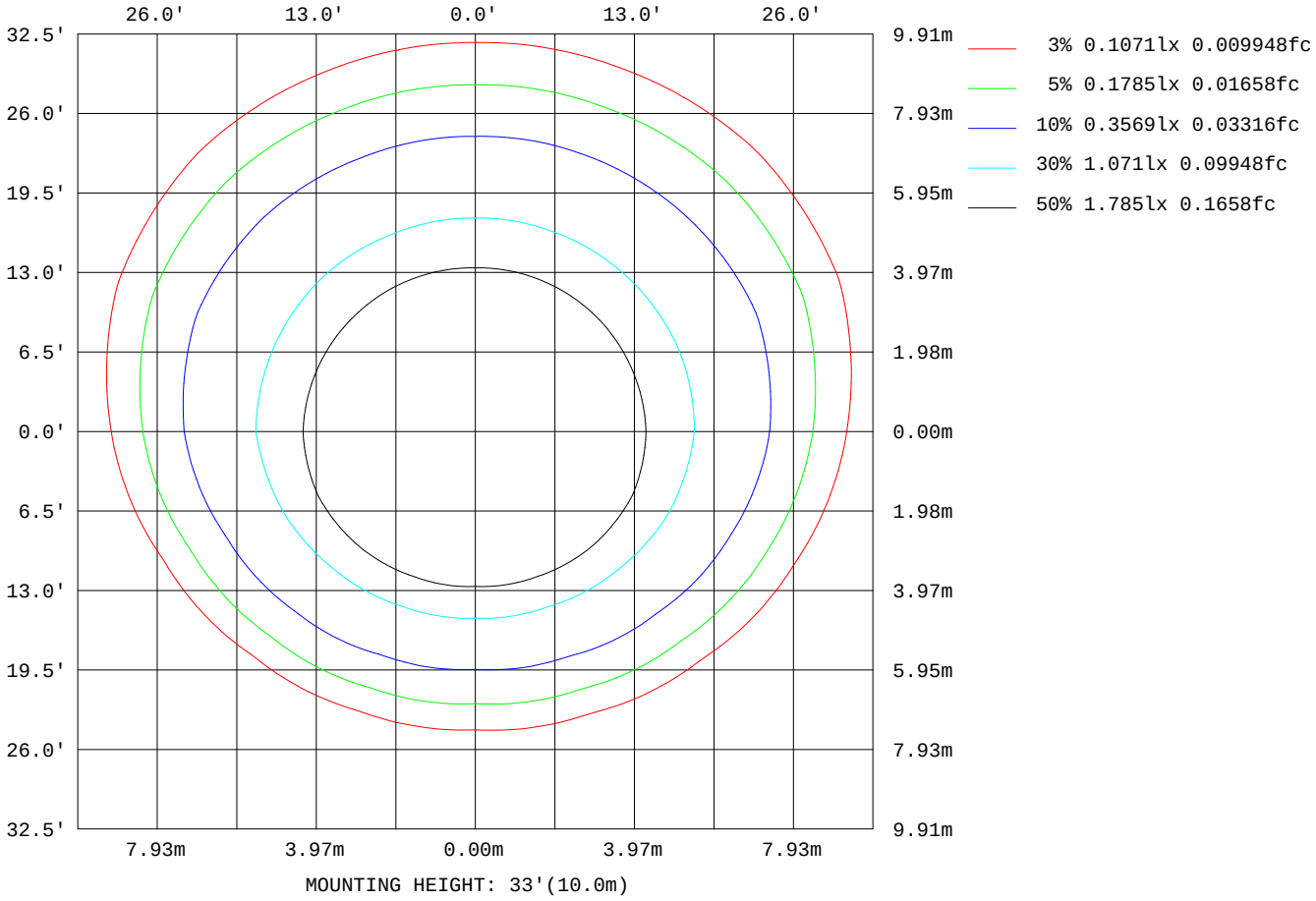
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:24.4DEG
Operators:Water
Test Date:2025-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:47%
Test Distance:2.519m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:12.003V I:0.6041A P:4.9000W PF:0.6758 Freq:60.00Hz Lamp Flux:264.314x1 lm		
NAME: ASD-LSFL-LV-5BR	TYPE: N/A	WEIGHT: N/A
SPEC.: 5-5000k	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:24.4DEG
Operators:Water
Test Date:2025-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:47%
Test Distance:2.519m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:12.003V I:0.6041A P:4.9000W PF:0.6758 Freq:60.00Hz Lamp Flux:264.314x1 lm		
NAME: ASD-LSFL-LV-5BR	TYPE: N/A	WEIGHT: N/A
SPEC.: 5-5000k	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

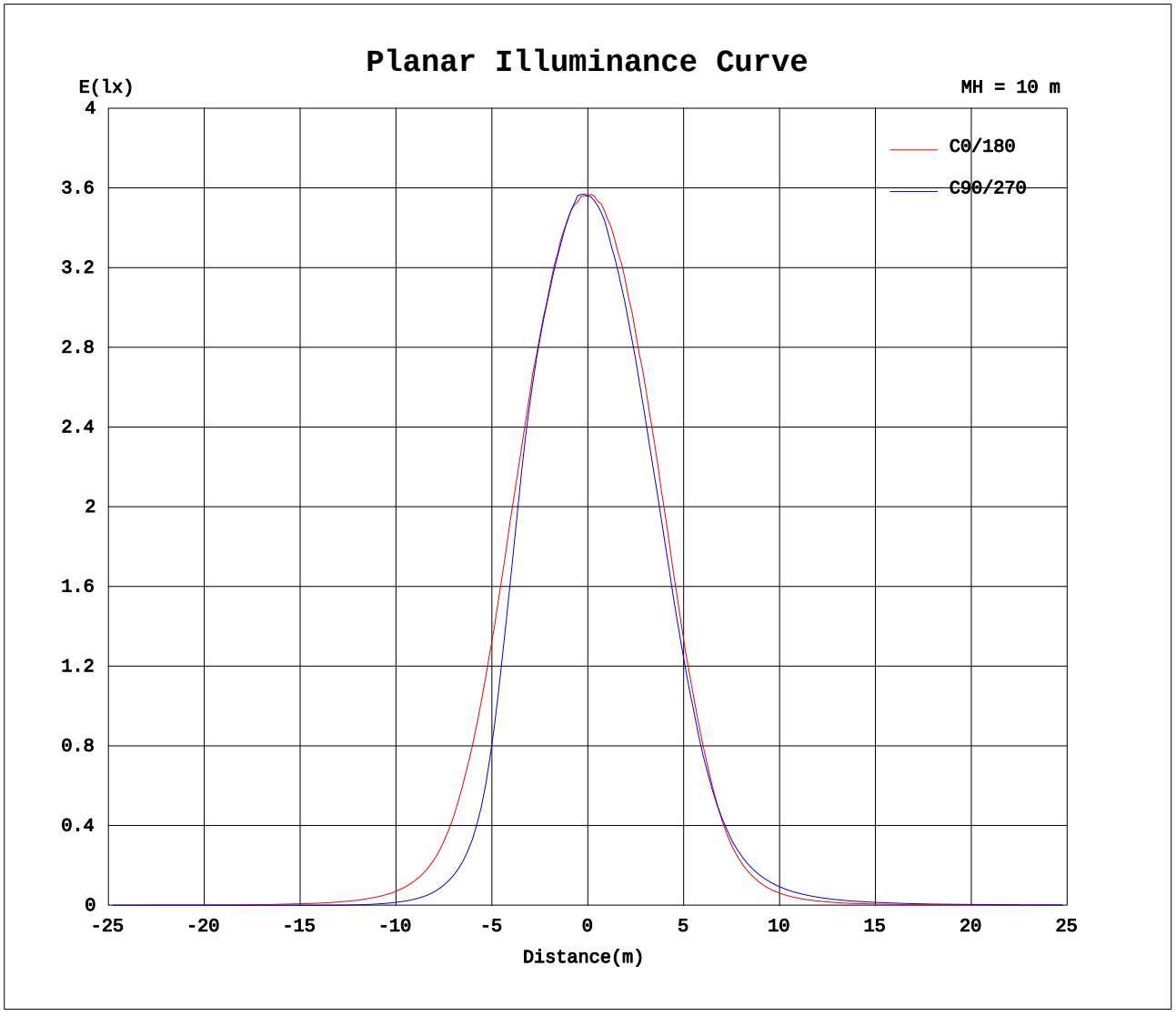
AvgL	cd/m2
L_0~180(65)av	807
L_0~180(75)av	278
L_0~180(85)av	94
L_90~270(65)av	1250
L_90~270(75)av	825
L_90~270(85)av	831
L_45(65)av	1109
L_45(75)av	652
L_45(85)av	556

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:24.4DEG
Operators:Water
Test Date:2025-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:47%
Test Distance:2.519m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:24.4DEG
Operators:Water
Test Date:2025-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:47%
Test Distance:2.519m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.003V I:0.6041A P:4.9000W PF:0.6758 Freq:60.00Hz Lamp Flux:264.314x1 lm		
NAME: ASD-LSFL-LV-5BR	TYPE: N/A	WEIGHT: N/A
SPEC.: 5-5000k	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

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	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356
5	353	352	352	353	353	353	352	352	352	350	349	347	348	347	348	349
10	336	336	335	333	333	334	336	335	337	333	329	326	325	325	328	331
15	306	308	307	305	304	305	308	310	308	303	297	293	292	294	296	301
20	262	265	258	247	241	247	259	267	267	261	255	250	248	249	254	259
25	205	197	174	152	143	151	171	196	208	204	199	194	192	194	199	202
30	140	116	89.2	69.6	63.1	68.4	85.8	111	141	141	137	133	132	134	137	143
35	80.5	58.6	41.3	30.8	27.3	30.0	38.5	53.7	77.4	87.8	85.0	80.7	79.4	81.1	85.0	90.1
40	40.1	27.6	18.0	13.2	11.2	12.2	16.1	24.0	37.0	48.0	49.0	46.1	45.0	46.6	49.9	50.5
45	19.9	12.7	7.62	5.07	4.16	4.74	6.75	10.5	17.2	25.0	27.5	26.5	26.3	27.1	28.9	27.7
50	10.2	5.92	3.14	1.62	1.10	1.51	2.73	4.90	8.42	12.9	15.6	15.6	15.8	16.3	17.0	15.1
55	5.31	2.76	1.04	0.27	0.16	0.29	0.92	2.31	4.39	7.00	9.07	9.59	9.79	10.1	10.2	8.53
60	2.76	1.16	0.23	0.00	0.00	0.02	0.21	1.00	2.35	3.98	5.46	6.01	6.28	6.41	6.24	4.88
65	1.39	0.42	0.01	0.00	0.00	0.00	0.02	0.37	1.24	2.32	3.36	3.87	4.06	4.12	3.83	2.78
70	0.65	0.13	0.00	0.00	0.00	0.00	0.00	0.11	0.61	1.35	2.07	2.47	2.62	2.61	2.32	1.55
75	0.28	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.27	0.75	1.24	1.53	1.64	1.61	1.36	0.82
80	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.38	0.70	0.90	1.00	0.95	0.75	0.41
85	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.18	0.36	0.48	0.56	0.51	0.38	0.20
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.18	0.24	0.26	0.24	0.18	0.09
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.13	0.18	0.20	0.18	0.13	0.05
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.13	0.08	0.13	0.08	0.01
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.08	0.06	0.08	0.04	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	0.04	0.03	0.04	0.00	0.00
115	0.00	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
120	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.07	0.08	0.08	0.08	0.09	0.09	0.10	0.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
135	0.13	0.14	0.14	0.14	0.15	0.16	0.18	0.18	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02
140	0.21	0.22	0.23	0.24	0.25	0.26	0.28	0.28	0.04	0.03	0.03	0.02	0.02	0.02	0.03	0.04
145	0.32	0.33	0.34	0.34	0.36	0.36	0.38	0.39	0.06	0.06	0.05	0.05	0.04	0.04	0.05	0.07
150	0.42	0.43	0.44	0.44	0.46	0.47	0.49	0.50	0.09	0.09	0.08	0.07	0.07	0.07	0.07	0.10
155	0.52	0.53	0.54	0.54	0.56	0.56	0.57	0.58	0.13	0.13	0.12	0.11	0.11	0.10	0.11	0.15
160	0.59	0.60	0.60	0.61	0.63	0.62	0.61	0.62	0.18	0.17	0.16	0.16	0.15	0.15	0.15	0.20
165	0.62	0.62	0.63	0.63	0.64	0.62	0.60	0.60	0.21	0.21	0.21	0.21	0.20	0.19	0.19	0.26
170	0.58	0.60	0.60	0.60	0.60	0.59	0.56	0.55	0.26	0.26	0.25	0.25	0.24	0.23	0.23	0.31
175	0.50	0.52	0.53	0.53	0.50	0.51	0.50	0.47	0.35	0.35	0.34	0.33	0.30	0.29	0.27	0.35
180	0.44	0.44	0.44	0.44	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.44	0.44	0.44	0.44

C Range: 0 - 360DEG
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