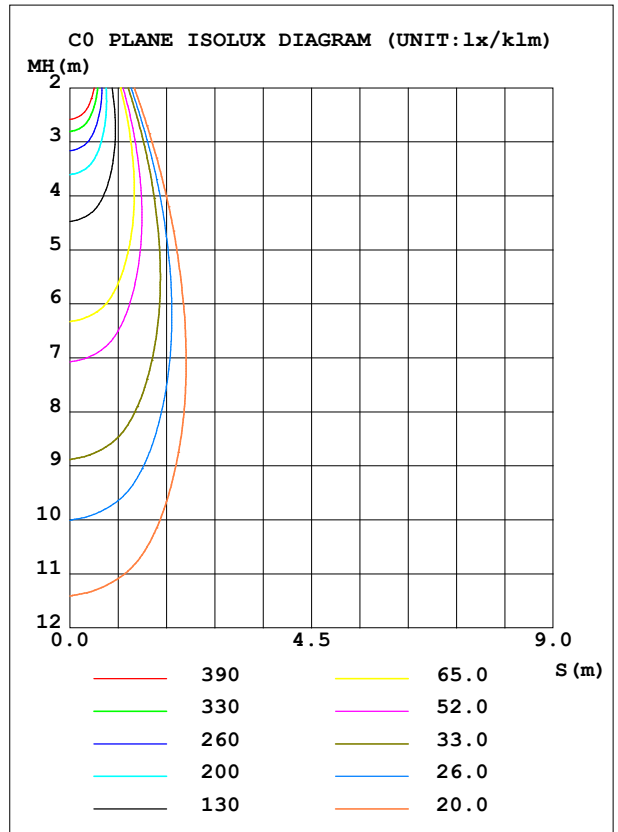
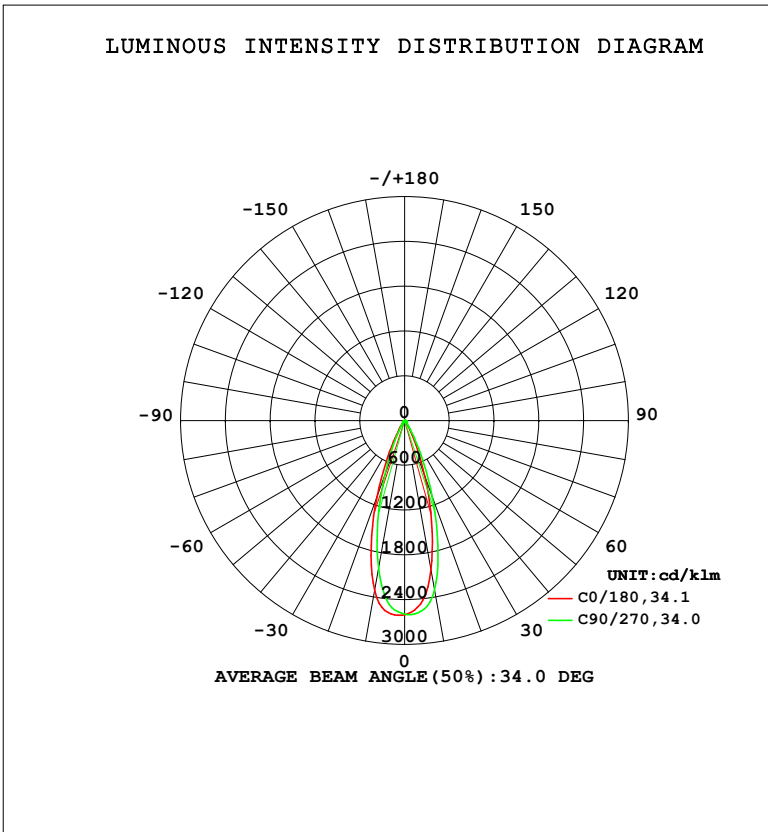


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.79V I:0.1141A P:13.479W PF:0.9863 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1070.64x1 lm		
NAME: ASD-TCS-1D15AC-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING GORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd/klm)	2609	S/MH (C0/180)	0.58
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	0.51
RATED VOLTAGE (V)	120.0	TOTAL FLUX (lm/klm)	1000.0	η UP, DN (C0-180)	0.0, 52.9
NOMINAL FLUX (lm)	1070.64	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 47.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	0.55



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3 °C
 Operators:
 Test Date: 2023-08-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

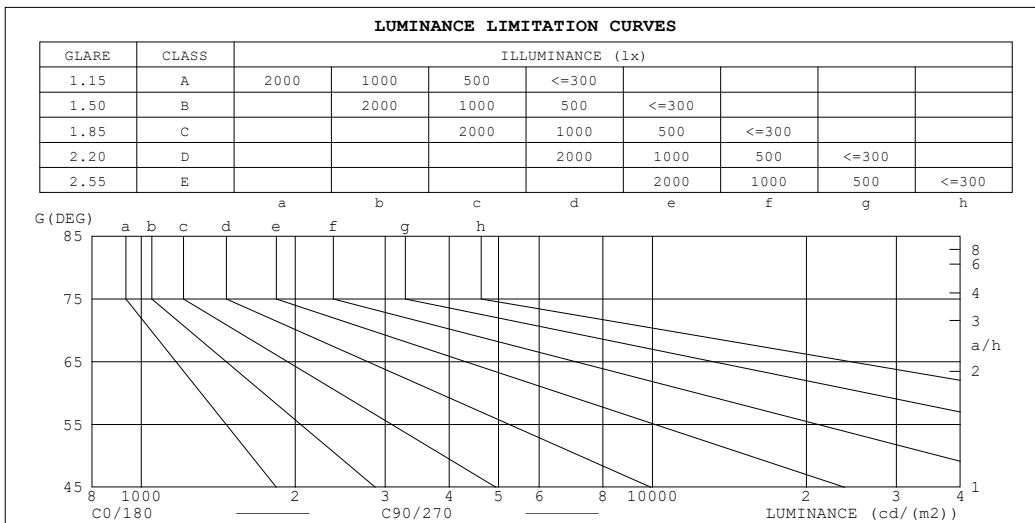
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2033	2176	2308	2344	2316	2153	2011	1986	0- 10	229.3	229.3	22.9,22.9
20	795.4	953.1	1089	1113	1087	923.4	780.3	745.7	10- 20	423.2	652.5	65.3,65.3
30	150.5	191.7	241.0	237.5	222.6	185.0	144.3	136.7	20- 30	217.5	870.0	87,87
40	43.38	46.97	53.97	53.03	50.18	46.00	43.07	42.01	30- 40	58.08	928.1	92.8,92.8
50	28.23	28.58	29.18	28.27	28.09	28.18	28.74	29.60	40- 50	27.16	955.2	95.5,95.5
60	20.31	21.57	21.59	21.66	20.88	20.73	19.89	20.19	50- 60	22.28	977.5	97.8,97.8
70	9.931	12.91	11.19	13.39	10.62	12.10	9.522	11.43	60- 70	16.13	993.6	99.4,99.4
80	0.6521	1.302	1.314	1.835	0.9177	1.186	0.6594	1.038	70- 80	5.919	999.6	100,100
90	0.0546	0.0508	0.0725	0.0477	0.0449	0.0387	0.0466	0.0387	80- 90	0.4419	1000	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3 °C
 Operators:
 Test Date:2023-08-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.79V I:0.1141A P:13.479W PF:0.9863 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1070.64x1 lm		
NAME: ASD-TCS-1D15AC-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING GORP	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	41	51
80	36	73
75	160	196
70	280	315
65	352	381
60	391	416
55	415	432
50	423	437
45	445	491

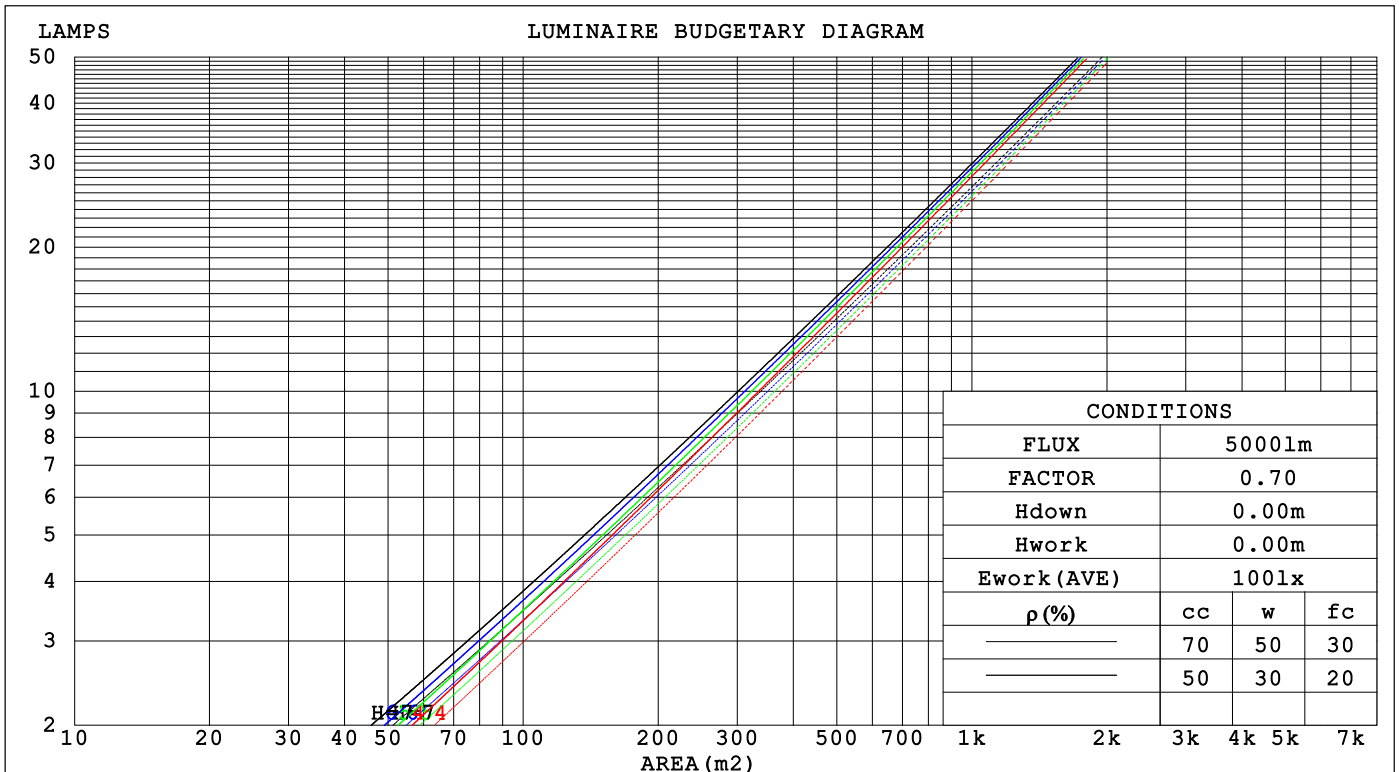
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3°C
 Operators:
 Test Date: 2023-08-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.79V I:0.1141A P:13.479W PF:0.9863 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1070.64x1 lm		
NAME: ASD-TCS-1D15AC-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING GORP	SUR.:	Shielding 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															
	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	1.00
1.0	1.12	1.09	1.07	1.09	1.07	1.06	1.05	1.04	1.02	1.02	1.01	.99	.98	.97	.97	.95
2.0	1.05	1.01	.98	1.03	1.00	.97	1.00	.98	.95	.97	.95	.93	.95	.93	.91	.90
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.93	.90	.88	.91	.89	.87	.85
4.0	.94	.90	.86	.93	.89	.85	.91	.87	.84	.89	.86	.83	.87	.85	.83	.81
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.86	.82	.79	.84	.81	.79	.78
6.0	.86	.81	.77	.85	.80	.77	.84	.79	.76	.82	.79	.76	.81	.78	.75	.74
7.0	.82	.77	.74	.82	.77	.73	.80	.76	.73	.79	.76	.73	.78	.75	.72	.71
8.0	.79	.74	.70	.78	.74	.70	.77	.73	.70	.76	.73	.70	.76	.72	.70	.68
9.0	.76	.71	.68	.75	.71	.68	.75	.70	.67	.74	.70	.67	.73	.69	.67	.66
10.0	.73	.68	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.71	.67	.65	.63



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3°C
 Operators:
 Test Date:2023-08-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.79V I:0.1141A P:13.479W PF:0.9863 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1070.64x1 lm		
NAME: ASD-TCS-1D15AC-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING GORP	SUR.:	Shielding 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	.161	.092	.029	.154	.088	.028	.142	.081	.026	.130	.075	.024	.120	.069	.022	
2.0	.151	.083	.025	.146	.080	.025	.135	.075	.023	.126	.071	.022	.117	.066	.021	
3.0	.142	.076	.023	.137	.074	.022	.129	.070	.021	.120	.066	.020	.113	.063	.019	
4.0	.134	.069	.020	.130	.068	.020	.122	.065	.019	.115	.062	.019	.109	.059	.018	
5.0	.126	.064	.019	.123	.063	.018	.116	.060	.018	.110	.058	.017	.104	.056	.017	
6.0	.119	.060	.017	.116	.059	.017	.111	.057	.016	.105	.055	.016	.100	.053	.016	
7.0	.113	.056	.016	.111	.055	.016	.106	.053	.015	.101	.052	.015	.097	.050	.015	
8.0	.108	.053	.015	.105	.052	.015	.101	.051	.014	.097	.049	.014	.093	.048	.014	
9.0	.103	.050	.014	.101	.049	.014	.097	.048	.014	.093	.047	.013	.090	.046	.013	
10.0	.098	.047	.013	.097	.047	.013	.093	.046	.013	.090	.045	.013	.087	.044	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.170	.157	.146	.145	.135	.126	.100	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.154	.133	.115	.131	.114	.099	.090	.079	.069	.052	.046	.041	.017	.015	.013	
3.0	.140	.113	.092	.120	.098	.080	.082	.068	.056	.048	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.110	.085	.066	.076	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.119	.086	.063	.102	.075	.055	.070	.052	.039	.041	.031	.023	.013	.010	.008	
6.0	.110	.077	.053	.095	.066	.046	.065	.047	.032	.038	.027	.019	.012	.009	.006	
7.0	.103	.069	.045	.089	.060	.039	.061	.042	.028	.036	.025	.016	.011	.008	.005	
8.0	.097	.062	.039	.083	.054	.034	.058	.038	.024	.034	.022	.014	.011	.007	.005	
9.0	.091	.057	.034	.079	.049	.029	.055	.035	.021	.032	.020	.012	.010	.007	.004	
10.0	.086	.052	.029	.075	.045	.026	.052	.032	.018	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3°C
 Operators:
 Test Date:2023-08-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.79V I:0.1141A P:13.479W PF:0.9863 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1070.64x1 lm		
NAME: ASD-TCS-1D15AC-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING GORP	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	3.4	4.1	3.6	4.3	4.5	4.0	4.8	4.2	5.0	5.1
3H	4.4	5.1	4.6	5.3	5.5	5.0	5.8	5.3	6.0	6.1
4H	4.6	5.3	4.8	5.5	5.7	5.2	5.9	5.5	6.1	6.4
6H	4.5	5.2	4.8	5.4	5.7	5.2	5.9	5.5	6.1	6.4
8H	4.5	5.1	4.8	5.4	5.6	5.2	5.8	5.5	6.1	6.3
12H	4.4	5.0	4.7	5.3	5.6	5.1	5.7	5.4	6.0	6.3
4H 2H	4.0	4.7	4.2	4.9	5.1	4.5	5.2	4.7	5.4	5.6
3H	5.1	5.8	5.5	6.0	6.3	5.7	6.3	6.0	6.5	6.8
4H	5.3	5.9	5.7	6.2	6.5	5.9	6.5	6.2	6.8	7.1
6H	5.3	5.8	5.7	6.1	6.5	5.9	6.4	6.3	6.7	7.1
8H	5.2	5.7	5.6	6.1	6.4	5.9	6.3	6.3	6.7	7.0
12H	5.2	5.6	5.6	6.0	6.4	5.8	6.2	6.2	6.6	7.0
8H 4H	5.4	5.9	5.8	6.2	6.6	5.9	6.4	6.3	6.8	7.1
6H	5.4	5.7	5.8	6.1	6.5	6.0	6.3	6.4	6.7	7.1
8H	5.3	5.6	5.8	6.1	6.5	5.9	6.2	6.4	6.7	7.1
12H	5.3	5.6	5.7	6.0	6.5	5.9	6.2	6.3	6.6	7.1
12H 4H	5.3	5.8	5.8	6.1	6.5	5.9	6.3	6.3	6.7	7.1
6H	5.3	5.6	5.7	6.1	6.5	5.9	6.2	6.3	6.7	7.1
8H	5.3	5.5	5.7	6.0	6.5	5.9	6.1	6.3	6.6	7.1

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.3 / - 0.5	+ 0.5 / - 0.6
1.5H	+ 0.4 / - 0.4	+ 1.1 / - 0.5
2.0H	+ 0.3 / - 0.4	+ 0.3 / - 0.4

CIE Pub.117, 1071 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.2)
 Area: 0.111111 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3°C
 Operators:
 Test Date:2023-08-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.79V I:0.1141A P:13.479W PF:0.9863 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1070.64x1 lm		
NAME: ASD-TCS-1D15AC-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING GORP	SUR.:	Shielding Angle:

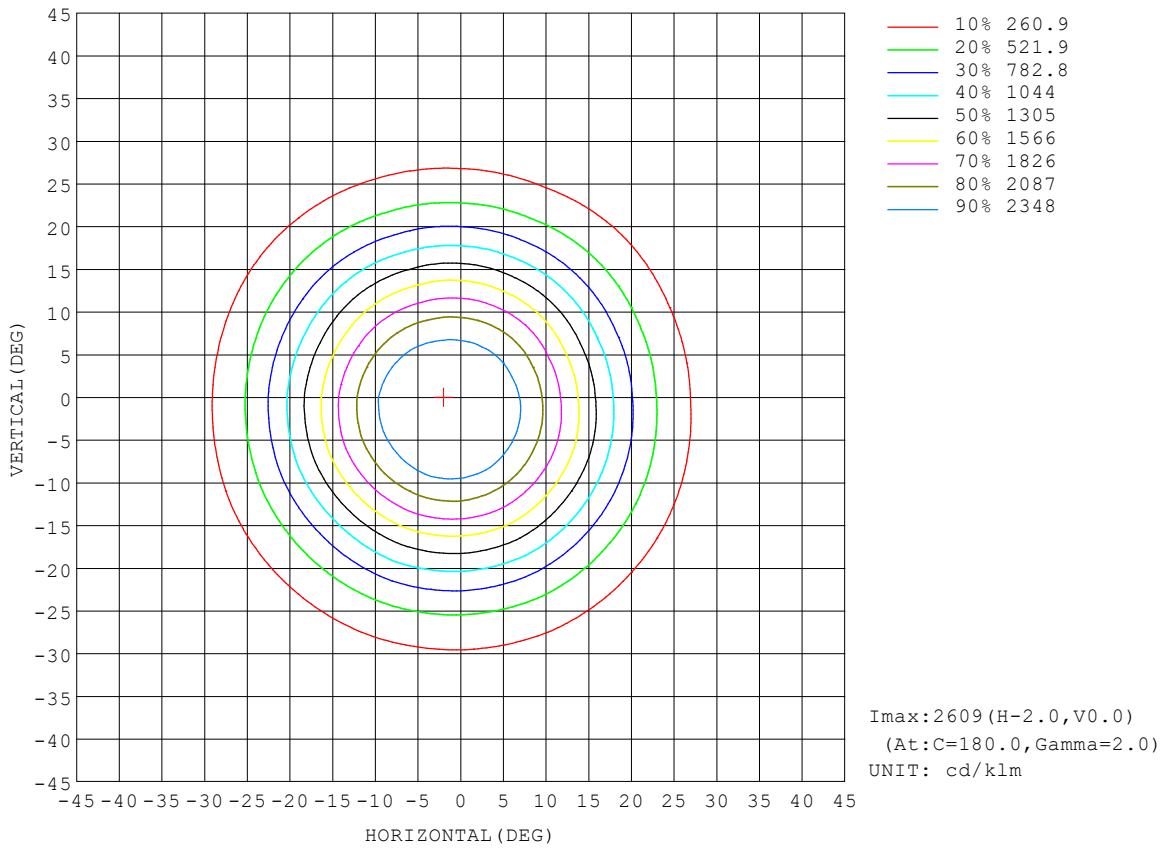
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	94	89	85	94	88	85	93	88	84	81
1.00	99	93	89	98	93	89	96	93	89	85
1.25	103	97	94	102	97	94	100	96	93	89
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	96
4.00	114	111	109	112	109	107	108	106	105	97
5.00	115	113	111	113	111	109	109	107	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: 24.3 °C
 Operators:
 Test Date: 2023-08-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.79V I:0.1141A P:13.479W PF:0.9863 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1070.64x1 lm		
NAME: ASD-TCS-1D15AC-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING GORP	SUR.:	Shielding Angle:

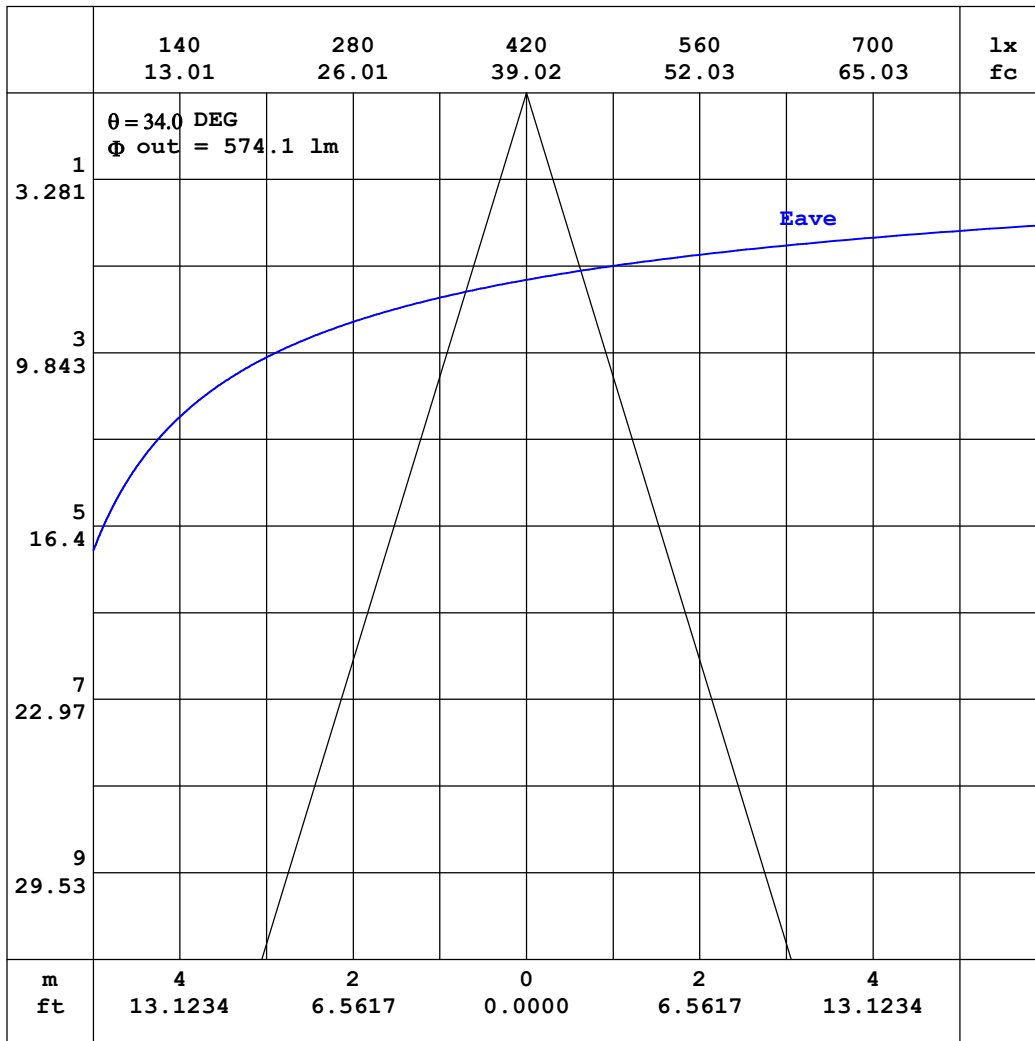


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3°C
 Operators:
 Test Date:2023-08-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

AAI CURVES

Test:U:119.79V I:0.1141A P:13.479W PF:0.9863 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1070.64x1 lm		
NAME: ASD-TCS-1D15AC-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING GORP	SUR.:	Shielding Angle:



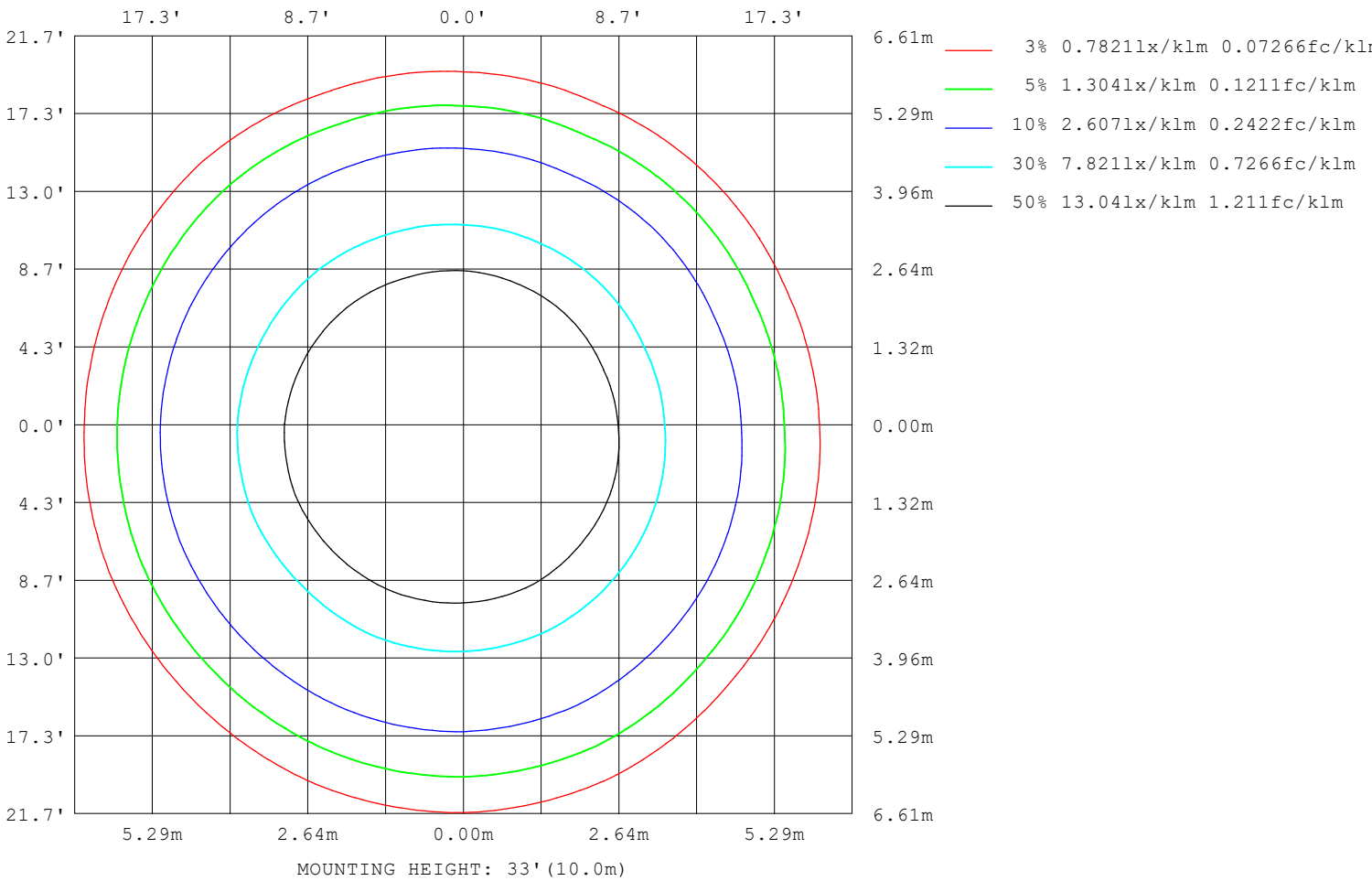
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3°C
 Operators:
 Test Date: 2023-08-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.79V I:0.1141A P:13.479W PF:0.9863 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1070.64x1 lm		
NAME: ASD-TCS-1D15AC-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING GORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3°C
 Operators:
 Test Date:2023-08-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.79V I:0.1141A P:13.479W PF:0.9863 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1070.64x1 lm		
NAME: ASD-TCS-1D15AC-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING GORP	SUR.:	Shielding Angle:

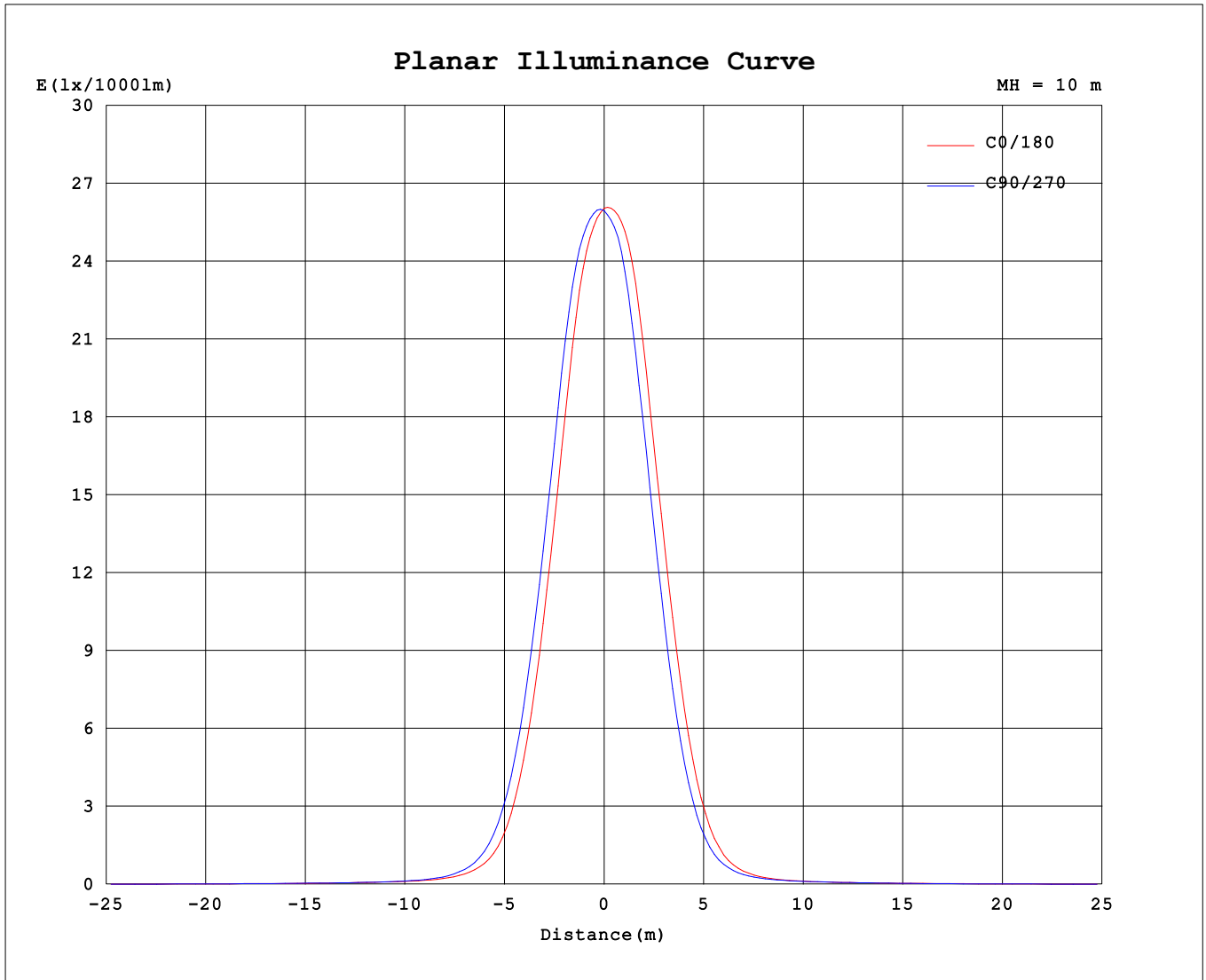
AvgL	cd/m2
L_0~180 (65) av	359
L_0~180 (75) av	171
L_0~180 (85) av	41
L_90~270 (65) av	361
L_90~270 (75) av	174
L_90~270 (85) av	52
L_45 (65) av	385
L_45 (75) av	225
L_45 (85) av	45

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2023-08-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3 °C
 Operators:
 Test Date: 2023-08-04

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.79V I:0.1141A P:13.479W PF:0.9863 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1070.64x1 lm		
NAME: ASD-TCS-1D15AC-WH	TYPE:	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING GORP	SUR.:	Shielding Angle:

Table--1

UNIT: cd/klm

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	2605	2599	2595	2594	2594	2594	2593	2591	2605	2599	2595	2594	2594	2594	2593	2591			
5	2467	2494	2520	2548	2563	2574	2581	2582	2580	2556	2525	2487	2464	2447	2442	2442			
10	2033	2102	2176	2255	2308	2343	2344	2339	2316	2236	2153	2064	2011	1990	1986	1990			
15	1405	1499	1578	1675	1728	1771	1788	1790	1736	1638	1548	1448	1392	1350	1346	1347			
20	795	872	953	1039	1089	1124	1113	1122	1087	997	923	833	780	748	746	751			
25	369	418	467	528	561	576	566	567	542	500	447	392	359	335	341	342			
30	151	169	192	227	241	247	238	238	223	203	185	160	144	135	137	139			
35	73.3	76.3	84.8	97.6	104	106	100	97.3	92.8	87.5	83.8	73.2	69.2	68.4	66.0	67.2			
40	43.4	43.4	47.0	51.6	54.0	55.5	53.0	52.7	50.2	46.1	46.0	43.7	43.1	44.1	42.0	41.8			
45	32.6	32.8	33.4	34.6	36.1	36.5	35.7	35.8	34.1	33.2	32.7	33.1	33.1	34.1	34.1	32.7			
50	28.2	28.4	28.6	28.8	29.2	29.1	28.3	28.2	28.1	28.0	28.2	28.6	28.7	29.5	29.6	28.2			
55	24.7	25.0	25.6	25.8	25.7	25.8	25.0	24.7	24.8	24.6	25.0	24.9	24.7	24.8	25.2	24.4			
60	20.3	20.9	21.6	22.0	21.6	22.0	21.7	21.5	20.9	20.6	20.7	20.5	19.9	19.9	20.2	19.9			
65	15.4	16.4	17.3	17.2	16.7	17.4	17.8	17.1	16.1	16.2	16.6	15.8	15.0	15.4	15.9	15.5			
70	9.93	11.3	12.9	12.2	11.2	12.2	13.4	12.2	10.6	11.3	12.1	10.6	9.52	10.2	11.4	10.3			
75	4.31	4.91	6.14	5.95	5.27	6.07	7.05	5.76	4.90	4.92	5.72	4.85	4.09	4.56	5.25	4.36			
80	0.65	0.73	1.30	1.65	1.31	1.85	1.83	1.23	0.92	0.86	1.19	1.06	0.66	0.95	1.04	0.66			
85	0.37	0.40	0.44	0.48	0.46	0.46	0.42	0.40	0.37	0.36	0.38	0.43	0.47	0.45	0.38	0.34			
90	0.05	0.05	0.05	0.05	0.07	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
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