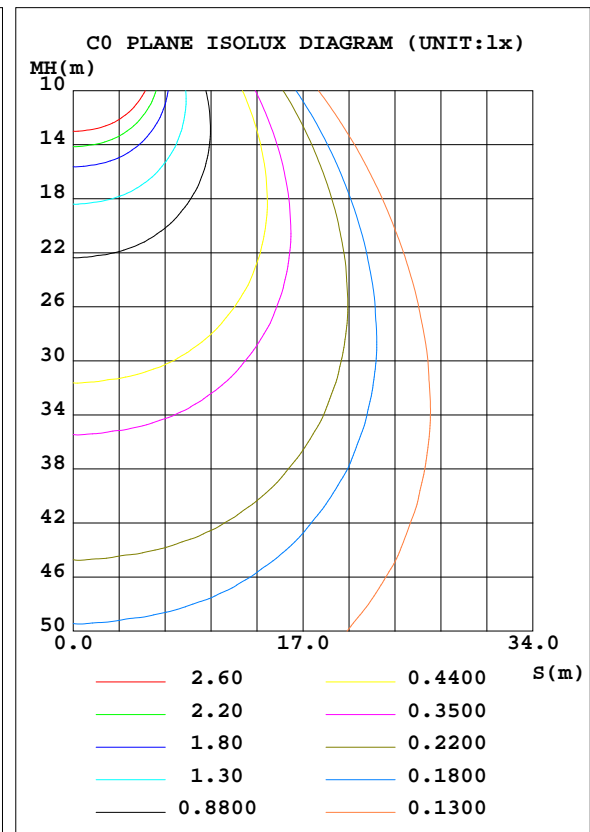
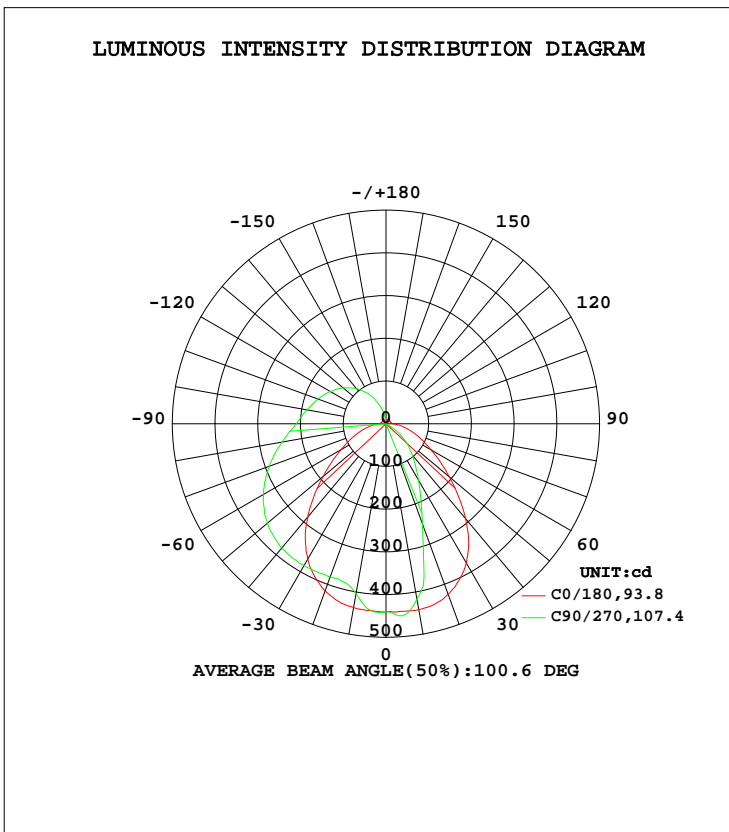


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.2386A P:27.96W PF:0.9763 Lamp Flux:2308x1 lm		
NAME: LED luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-LVF24M-5D28CC-BK 4000K	DIM.: N/A	SERIAL No.:N/A
MFR.:ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82,55 lm/W			
MODEL ASD-LVF24M-5D28CC-BK 4000		I _{max} (cd)	452.3	S/MH(C0/180)	1.25
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.70
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2308	η UP, DN(C0-180)	21.6,56.7
NOMINAL FLUX(lm)	2308	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	0.8,21.0
LAMPS INSIDE	1	η up(%)	22.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	77.6	CIBSE SHR MAX	1.25



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Carl
 Test Date:2022-11-30

Carl Deng

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

Reviewed by : *Meng He*

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	436.9	425.7	404.7	426.6	441.8	443.9	417.1	442.0	0- 10	41.92	41.92	2.61,2.61
20	416.8	387.2	381.6	389.6	425.2	361.6	249.9	362.0	10- 20	113.6	155.6	9.69,9.69
30	365.8	376.9	383.2	380.8	376.1	224.3	152.7	223.2	20- 30	157.9	313.5	19.5,19.5
40	284.6	363.3	379.2	370.7	289.7	141.2	96.15	141.0	30- 40	181.8	495.3	30.9,30.9
50	192.6	345.0	362.3	353.0	193.8	86.33	53.20	86.56	40- 50	185.5	680.8	42.4,42.4
60	122.0	318.1	331.0	326.0	121.6	41.46	11.02	43.08	50- 60	173.8	854.6	53.3,53.3
70	75.06	284.1	290.7	291.0	75.06	1.709	0.3712	2.655	60- 70	152.2	1007	62.7,62.7
80	41.33	245.3	247.2	251.2	41.08	1.324	0.4275	1.394	70- 80	129.9	1137	70.8,70.8
90	16.77	209.6	210.1	212.8	16.36	1.385	0.4195	1.444	80- 90	108.7	1245	77.6,77.6
100	11.57	186.3	188.0	188.4	12.93	1.299	0.5736	1.369	90-100	92.78	1338	83.4,83.4
110	11.28	163.4	169.4	165.0	11.26	0.9972	0.4895	1.049	100-110	79.41	1418	88.3,88.3
120	10.11	140.5	150.8	142.3	10.32	0.6177	0.3213	0.6665	110-120	65.02	1483	92.4,92.4
130	11.22	116.6	130.8	117.7	11.87	0.2844	0.3129	0.3379	120-130	50.14	1533	95.5,95.5
140	12.82	90.45	106.7	92.06	12.78	0.2792	0.3066	0.3337	130-140	35.45	1568	97.7,97.7
150	13.30	62.76	79.18	64.32	14.51	0.3474	0.3368	0.3842	140-150	22.01	1590	99.1,99.1
160	7.131	35.21	48.37	36.09	8.121	1.757	0.4204	0.4956	150-160	11.00	1601	99.8,99.8
170	1.448	10.56	17.72	8.683	2.093	1.297	0.5989	0.9015	160-170	3.315	1604	100,100
180	1.375	1.409	0.7720	1.485	1.393	1.407	1.440	1.434	170-180	0.2703	1605	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 588.61 lm

%lum = 36.7%

%lamp = 36.7%

Conical surface Flux(120deg): 854.57 lm

%lum = 53.3%

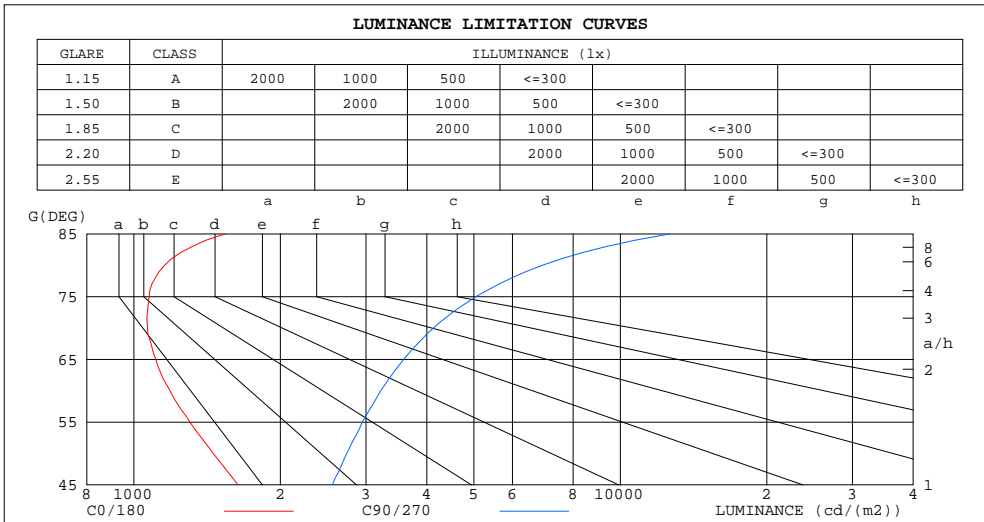
%lamp = 53.3%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Carl
 Test Date:2022-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2386A P:27.96W PF:0.9763 Lamp Flux:2308x1 lm		
NAME: LED luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-LVF24M-5D28CC-BK 4000K	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	1542	12668
80	1157	6921
75	1074	5053
70	1067	4132
65	1109	3587
60	1186	3218
55	1304	2946
50	1456	2740
45	1636	2559

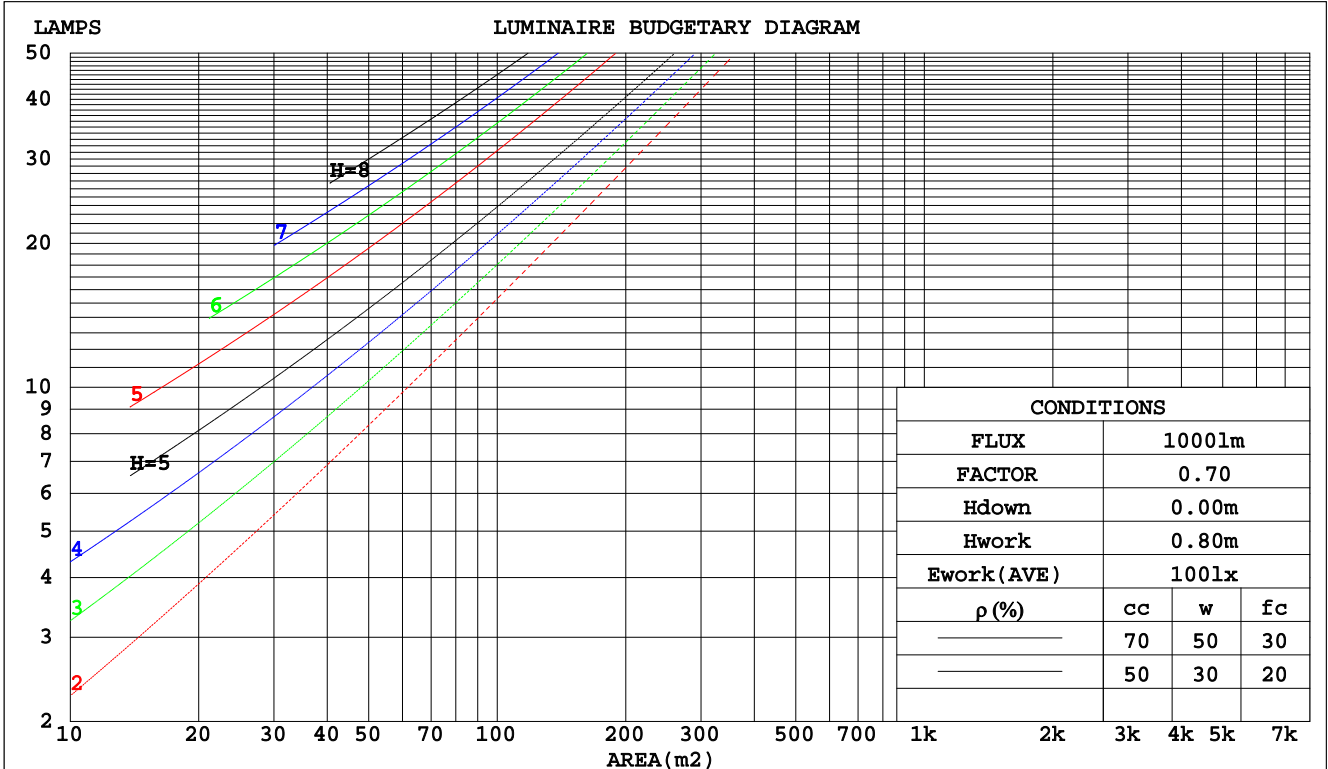
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Carl
 Test Date:2022-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2386A P:27.96W PF:0.9763 Lamp Flux:2308x1 lm		
NAME: LED luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-LVF24M-5D28CC-BK 4000K	DIM.: N/A	SERIAL No.:N/A
MFR.: ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.14	1.14	1.14	1.08	1.08	1.08	.99	.99	.99	.90	.90	.90	.81	.81	.81	.78
1.0	.96	.91	.86	.91	.87	.83	.83	.79	.76	.75	.72	.70	.68	.66	.64	.60
2.0	.82	.75	.69	.79	.72	.66	.71	.66	.61	.65	.60	.57	.59	.55	.52	.49
3.0	.72	.63	.57	.69	.61	.55	.63	.56	.51	.57	.52	.47	.52	.47	.44	.40
4.0	.64	.55	.48	.61	.53	.46	.55	.49	.43	.51	.45	.40	.46	.41	.37	.34
5.0	.57	.48	.41	.54	.46	.40	.50	.43	.37	.45	.39	.35	.41	.36	.32	.30
6.0	.51	.42	.36	.49	.41	.35	.45	.38	.33	.41	.35	.31	.38	.32	.29	.26
7.0	.46	.38	.31	.44	.36	.31	.41	.34	.29	.37	.32	.27	.34	.29	.25	.23
8.0	.42	.34	.28	.41	.33	.27	.37	.31	.26	.34	.29	.24	.32	.27	.23	.21
9.0	.39	.31	.25	.37	.30	.24	.34	.28	.23	.32	.26	.22	.29	.24	.21	.19
10.0	.36	.28	.23	.34	.27	.22	.32	.25	.21	.29	.24	.20	.27	.22	.19	.17



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Carl
 Test Date:2022-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2386A P:27.96W PF:0.9763 Lamp Flux:2308x1 lm		
NAME: LED luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-LVF24M-5D28CC-BK 4000K	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 Coefficients(WEC)									
0.0																
1.0	.364	.207	.066	.350	.200	.063	.324	.186	.059	.300	.173	.056	.278	.161	.052	
2.0	.316	.173	.053	.304	.167	.052	.280	.156	.048	.258	.145	.045	.238	.135	.042	
3.0	.282	.150	.045	.270	.145	.044	.249	.135	.041	.229	.126	.039	.211	.117	.036	
4.0	.255	.132	.039	.244	.128	.038	.225	.119	.036	.207	.111	.033	.190	.103	.031	
5.0	.232	.118	.034	.223	.114	.033	.205	.107	.031	.188	.099	.030	.173	.092	.028	
6.0	.213	.107	.031	.205	.103	.030	.188	.097	.028	.173	.090	.026	.159	.084	.025	
7.0	.197	.097	.028	.189	.094	.027	.174	.088	.025	.160	.082	.024	.147	.077	.023	
8.0	.183	.090	.025	.176	.087	.024	.162	.081	.023	.149	.076	.022	.137	.071	.021	
9.0	.171	.083	.023	.164	.080	.022	.152	.075	.021	.140	.070	.020	.129	.065	.019	
10.0	.160	.077	.021	.154	.074	.021	.142	.070	.020	.131	.065	.019	.121	.061	.017	

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	.361	.361	.361	.309	.309	.309	.211	.211	.211	.121	.121	.121	.039	.039	.039	
1.0	.356	.328	.302	.305	.281	.260	.208	.193	.180	.120	.112	.105	.038	.036	.034	
2.0	.349	.305	.268	.299	.263	.232	.205	.182	.162	.118	.106	.095	.038	.034	.031	
3.0	.341	.289	.247	.292	.249	.214	.201	.173	.150	.116	.101	.088	.037	.033	.029	
4.0	.333	.276	.232	.286	.238	.202	.197	.166	.142	.114	.097	.084	.037	.032	.028	
5.0	.325	.266	.222	.280	.230	.193	.193	.161	.137	.112	.094	.081	.036	.031	.027	
6.0	.318	.258	.215	.273	.224	.187	.189	.157	.133	.109	.092	.079	.035	.030	.026	
7.0	.311	.252	.210	.268	.218	.183	.185	.153	.130	.107	.090	.077	.035	.030	.026	
8.0	.305	.246	.206	.262	.213	.179	.182	.150	.127	.106	.088	.076	.034	.029	.025	
9.0	.299	.241	.203	.257	.209	.177	.178	.147	.126	.104	.087	.075	.034	.029	.025	
10.0	.293	.237	.200	.253	.206	.175	.175	.145	.124	.102	.086	.074	.033	.028	.025	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Carl
 Test Date:2022-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2386A P:27.96W PF:0.9763 Lamp Flux:2308x1 lm										
NAME: LED luminaires					TYPE:N/A			WEIGHT:N/A		
SPEC.:ASD-LVF24M-5D28CC-BK 4000K					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	14.8	16.0	15.3	16.6	17.2	17.1	18.4	17.7	18.9	19.6
3H	16.4	17.6	17.0	18.2	18.8	19.8	21.0	20.4	21.6	22.2
4H	17.1	18.2	17.7	18.8	19.5	21.3	22.4	21.9	23.0	23.7
6H	17.7	18.7	18.3	19.4	20.1	22.8	23.9	23.5	24.5	25.2
8H	18.0	19.0	18.6	19.6	20.3	23.7	24.7	24.4	25.4	26.1
12H	18.2	19.1	18.8	19.8	20.5	24.7	25.7	25.4	26.3	27.1
4H 2H	16.4	17.5	17.0	18.1	18.8	17.9	19.0	18.5	19.6	20.3
3H	18.5	19.5	19.2	20.1	20.9	20.8	21.8	21.5	22.4	23.2
4H	19.6	20.5	20.3	21.1	21.9	22.5	23.4	23.1	24.0	24.8
6H	20.5	21.3	21.2	22.0	22.8	24.3	25.0	25.0	25.7	26.6
8H	20.9	21.7	21.6	22.4	23.2	25.2	26.0	25.9	26.7	27.5
12H	21.3	21.9	22.0	22.7	23.5	26.4	27.0	27.1	27.8	28.6
8H 4H	20.9	21.6	21.6	22.4	23.2	23.0	23.8	23.7	24.5	25.3
6H	22.4	23.0	23.2	23.8	24.7	25.1	25.7	25.9	26.5	27.4
8H	23.2	23.7	23.9	24.5	25.4	26.3	26.9	27.1	27.6	28.5
12H	23.8	24.3	24.6	25.1	26.0	27.7	28.2	28.5	28.9	29.9
12H 4H	21.2	21.9	22.0	22.6	23.5	23.1	23.8	23.8	24.5	25.4
6H	23.0	23.6	23.8	24.3	25.2	25.3	25.9	26.1	26.7	27.6
8H	24.0	24.5	24.8	25.2	26.2	26.7	27.2	27.4	27.9	28.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.5					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 1605 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.6)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Carl
 Test Date:2022-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2386A P:27.96W PF:0.9763 Lamp Flux:2308x1 lm		
NAME: LED luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-LVF24M-5D28CC-BK 4000K	DIM.: N/A	SERIAL No.:N/A
MFR.:ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

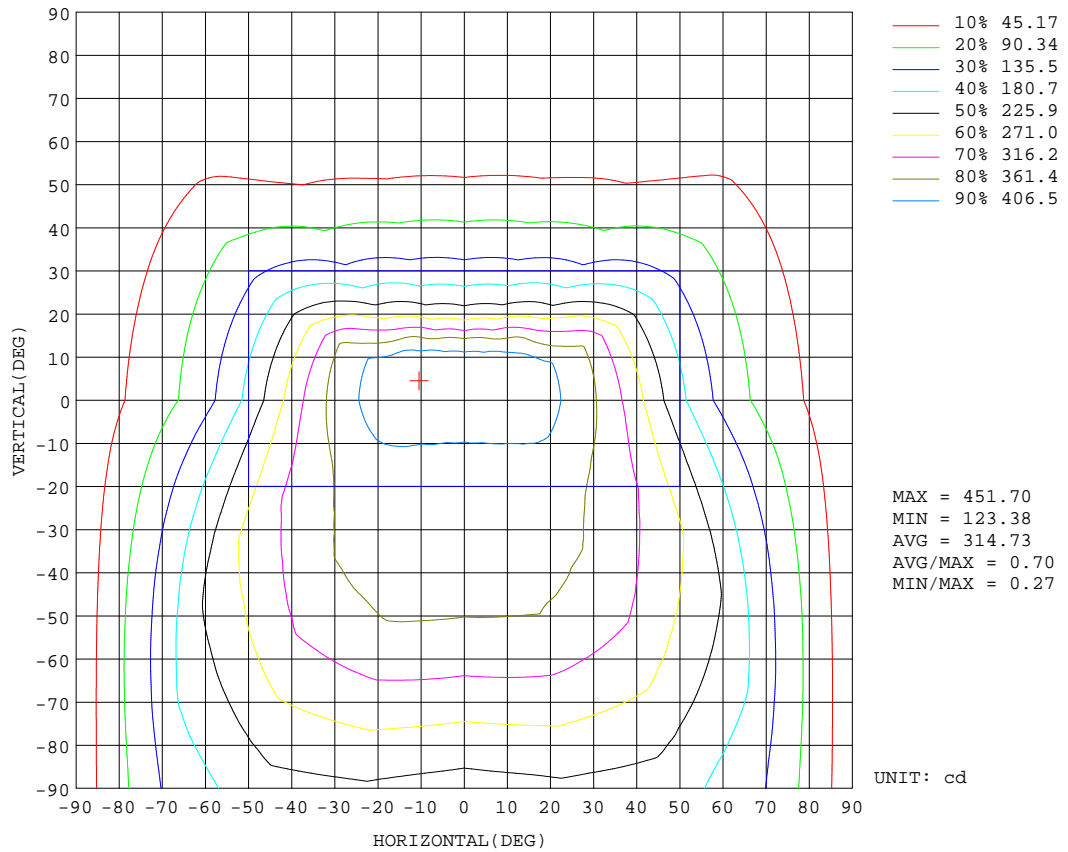
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	37	30	48	36	30	46	35	29	23
0.80	58	45	38	56	45	37	53	43	36	28
1.00	65	53	45	63	52	44	59	52	43	34
1.25	72	60	52	70	59	51	65	56	49	39
1.50	77	65	57	74	64	56	69	60	53	43
2.00	84	73	65	81	71	64	75	67	61	48
2.50	88	79	71	85	76	69	78	71	65	52
3.00	92	83	76	88	80	74	81	74	69	55
4.00	97	89	83	92	85	80	85	79	74	59
5.00	99	93	87	95	89	84	87	82	78	62
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:25.1DEG
 Operators:Carl
 Test Date:2022-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2386A P:27.96W PF:0.9763 Lamp Flux:2308x1 lm		
NAME: LED luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-LVF24M-5D28CC-BK 4000K	DIM.: N/A	SERIAL No.:N/A
MFR.:ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

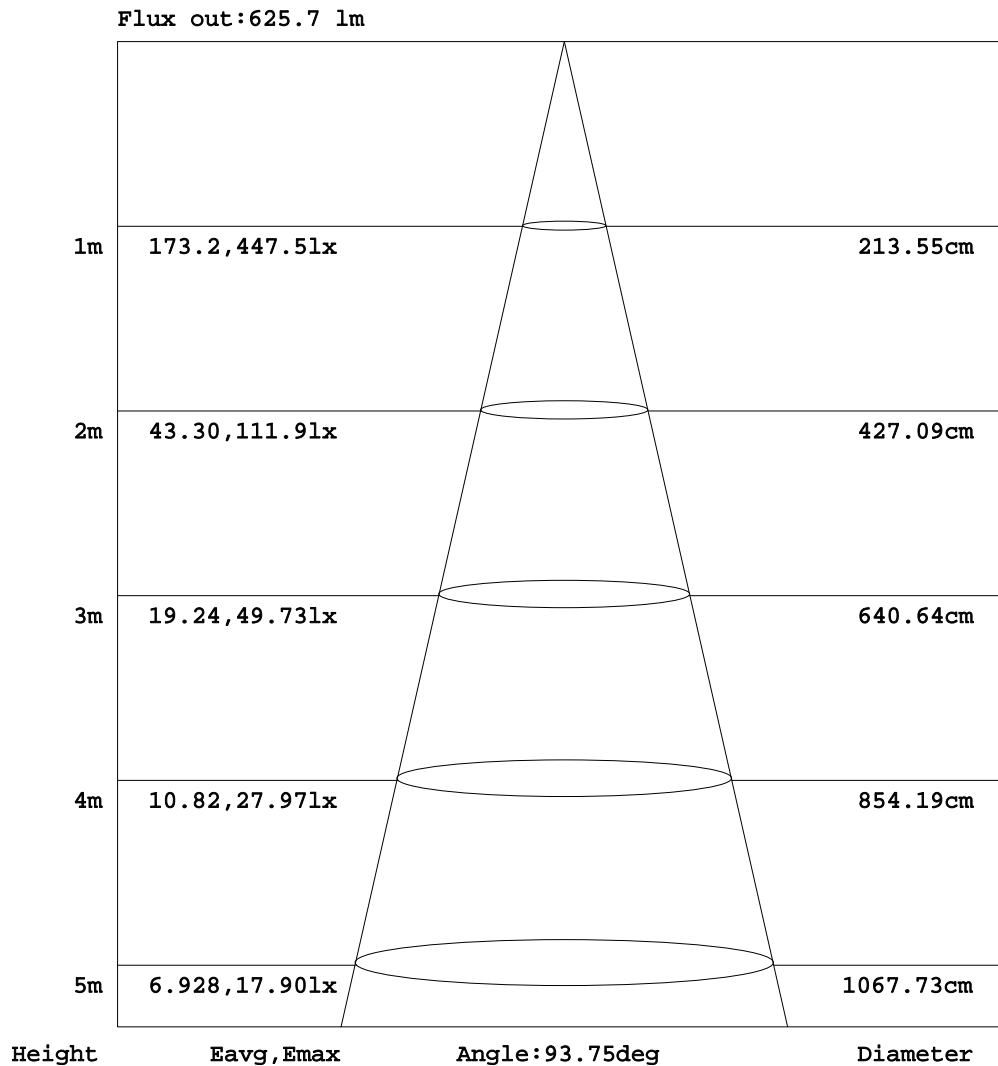


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Carl
 Test Date:2022-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.0V I:0.2386A P:27.96W PF:0.9763 Lamp Flux:2308x1 lm		
NAME: LED luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-LVF24M-5D28CC-BK 4000K	DIM.: N/A	SERIAL No.:N/A
MFR.:ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A



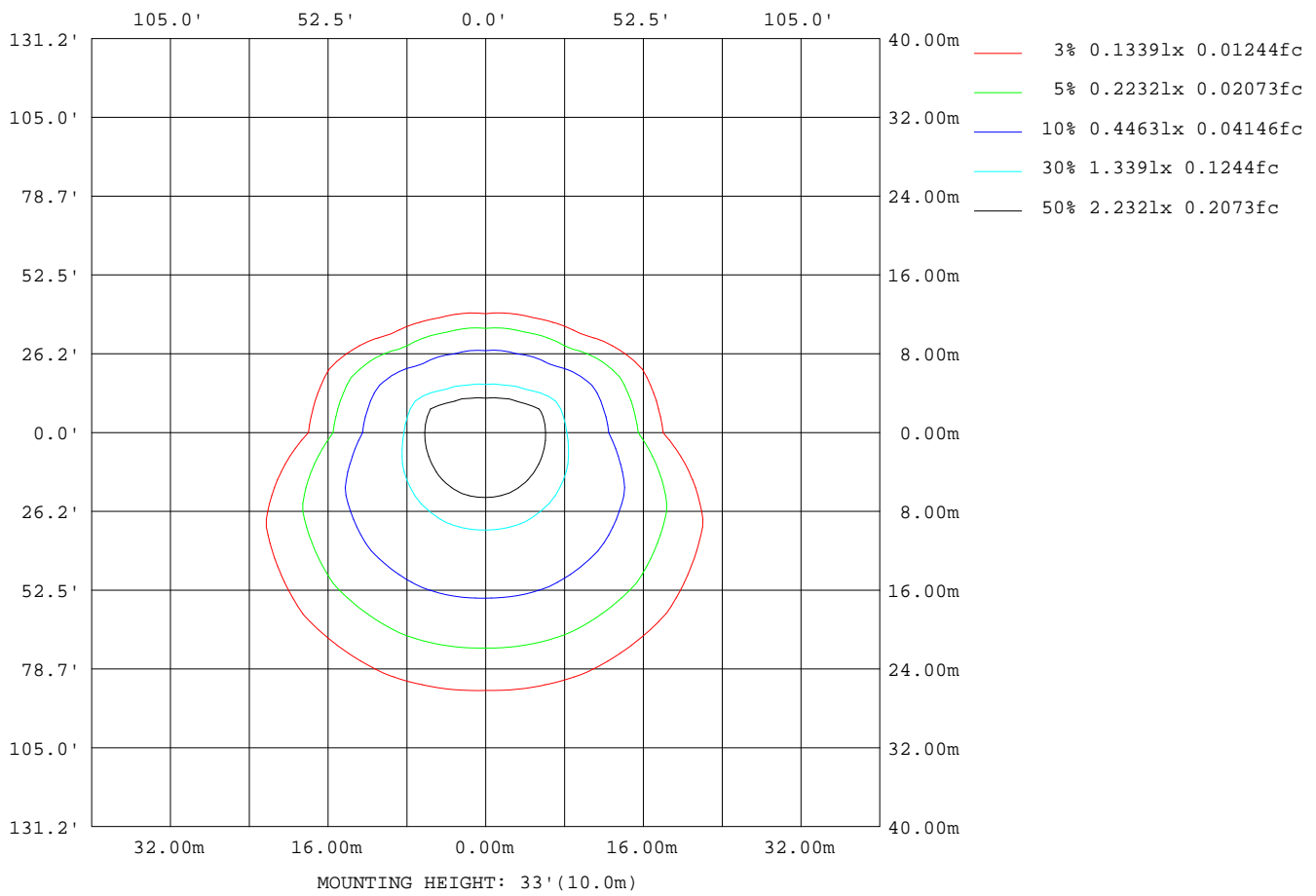
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Carl
 Test Date:2022-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2386A P:27.96W PF:0.9763 Lamp Flux:2308x1 lm		
NAME: LED luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-LVF24M-5D28CC-BK 4000K	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: HIGH
 Temperature:25.1DEG
 Operators:Carl
 Test Date:2022-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:42%
 Test Distance:2.532m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.2386A P:27.96W PF:0.9763 Lamp Flux:2308x1 lm		
NAME: LED luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-LVF24M-5D28CC-BK 4000K	DIM.: N/A	SERIAL No.:N/A
MFR.:ASD Lighting corp	SUR.:N/A	Shielding Angle:N/A

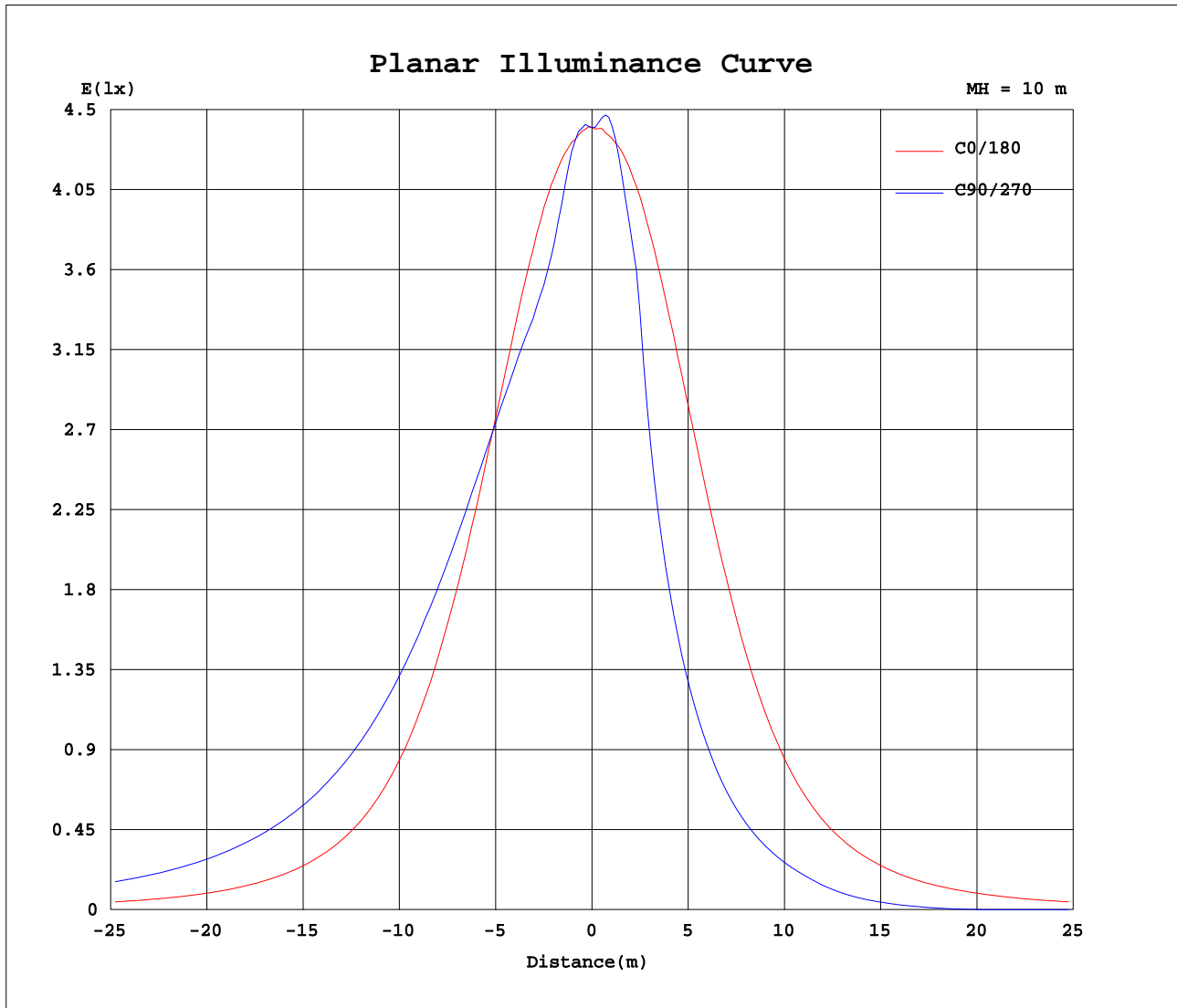
AvgL	cd/m2
L_0~180(65)av	1110
L_0~180(75)av	1072
L_0~180(85)av	1524
L_90~270(65)av	1797
L_90~270(75)av	2531
L_90~270(85)av	6350
L_45(65)av	1872
L_45(75)av	2532
L_45(85)av	6414

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Carl
Test Date:2022-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:42%
Test Distance:2.532m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Carl
 Test Date: 2022-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 42%
 Test Distance: 2.532m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2386A P:27.96W PF:0.9763 Lamp Flux:2308x1 lm		
NAME: LED luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:ASD-LVF24M-5D28CC-BK 4000K	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	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440			
5	438	441	442	439	438	440	444	442	441	443	450	451	451	449	450	442			
10	437	438	426	410	405	409	427	443	442	451	444	424	417	423	442	446			
15	430	431	402	386	384	385	404	435	438	447	415	372	343	371	411	438			
20	417	412	387	382	382	382	390	417	425	429	362	273	250	273	362	418			
25	395	391	381	382	383	383	385	396	405	402	283	211	193	211	282	391			
30	366	369	377	383	383	386	381	374	376	373	224	167	153	167	223	363			
35	329	350	371	382	383	385	377	356	338	318	178	133	121	132	178	316			
40	285	333	363	378	379	381	371	340	290	261	141	106	96.1	106	141	260			
45	238	314	354	373	372	377	362	322	240	211	111	82.9	75.2	83.0	111	211			
50	193	296	345	363	362	366	353	304	194	168	86.3	62.7	53.2	63.0	86.6	168			
55	154	278	333	350	348	355	340	286	155	131	65.1	37.9	30.1	38.7	65.5	132			
60	122	260	318	336	331	340	326	267	122	103	41.5	17.0	11.0	17.7	43.1	103			
65	96.4	241	303	318	312	322	309	248	96.4	79.5	18.6	1.09	0.36	1.51	20.4	79.5			
70	75.1	222	284	298	291	301	291	230	75.1	58.2	1.71	0.35	0.37	0.39	2.65	58.6			
75	57.2	203	265	277	269	281	271	210	56.9	33.1	1.22	0.35	0.38	0.39	1.31	35.0			
80	41.3	183	245	257	247	259	251	190	41.1	20.6	1.32	0.37	0.43	0.40	1.39	20.8			
85	27.6	165	226	236	227	239	231	170	27.0	18.9	1.38	0.40	0.44	0.42	1.44	19.0			
90	16.8	149	210	220	210	221	213	153	16.4	17.3	1.38	0.41	0.42	0.43	1.44	17.4			
95	14.3	139	198	208	198	209	200	142	14.1	16.1	1.37	0.45	0.50	0.47	1.44	16.3			
100	11.6	130	186	196	188	197	188	132	12.9	15.0	1.30	0.49	0.57	0.48	1.37	15.2			
105	11.6	121	175	186	178	187	176	123	12.1	13.9	1.16	0.46	0.55	0.46	1.22	14.0			
110	11.3	111	163	175	169	176	165	113	11.3	12.2	1.00	0.41	0.49	0.42	1.05	12.5			
115	10.7	102	152	165	160	165	154	104	10.4	10.2	0.82	0.35	0.40	0.37	0.86	10.5			
120	10.1	93.4	141	154	151	154	142	95.4	10.3	8.07	0.62	0.30	0.32	0.32	0.67	8.48			
125	10.4	84.6	128	142	141	143	130	86.7	11.3	6.13	0.41	0.30	0.32	0.32	0.47	6.56			
130	11.2	75.3	117	131	131	131	118	77.4	11.9	4.26	0.28	0.30	0.31	0.32	0.34	4.75			
135	11.9	65.7	104	118	119	119	105	67.6	12.4	2.54	0.28	0.30	0.31	0.32	0.33	3.03			
140	12.8	55.7	90.4	105	107	106	92.1	56.7	12.8	1.80	0.28	0.29	0.31	0.32	0.33	1.83			
145	12.6	46.2	77.0	90.7	93.4	91.7	78.4	47.7	13.2	2.10	0.29	0.30	0.32	0.33	0.36	1.36			
150	13.3	37.1	62.8	75.8	79.2	77.1	64.3	39.0	14.5	4.12	0.35	0.32	0.34	0.35	0.38	1.09			
155	11.8	28.2	48.7	60.6	64.1	61.4	45.2	30.0	13.0	6.51	0.84	0.37	0.38	0.40	0.43	0.79			
160	7.13	19.3	35.2	44.9	48.4	45.7	36.1	21.2	8.12	5.24	1.76	0.46	0.42	0.43	0.50	1.04			
165	3.85	10.9	22.4	29.9	32.8	30.6	22.5	9.35	3.96	3.48	1.35	0.80	0.46	0.48	0.63	1.45			
170	1.45	2.36	10.6	15.7	17.7	14.5	8.68	2.77	2.09	2.05	1.30	0.65	0.60	0.64	0.90	1.43			
175	0.80	0.78	1.91	4.02	4.67	3.34	1.19	0.91	0.71	0.72	0.60	0.57	0.70	1.08	1.16	1.32			
180	1.37	1.39	1.41	1.42	0.77	1.05	1.49	1.41	1.39	1.39	1.41	1.42	1.44	1.05	1.43	1.43			

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