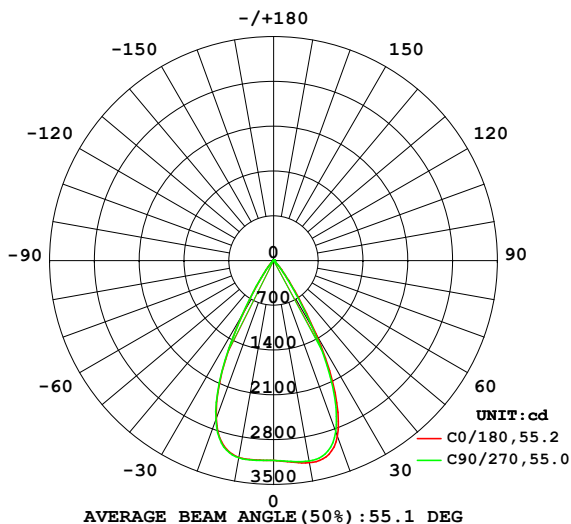


LUMINAIRE PHOTOMETRIC TEST REPORT

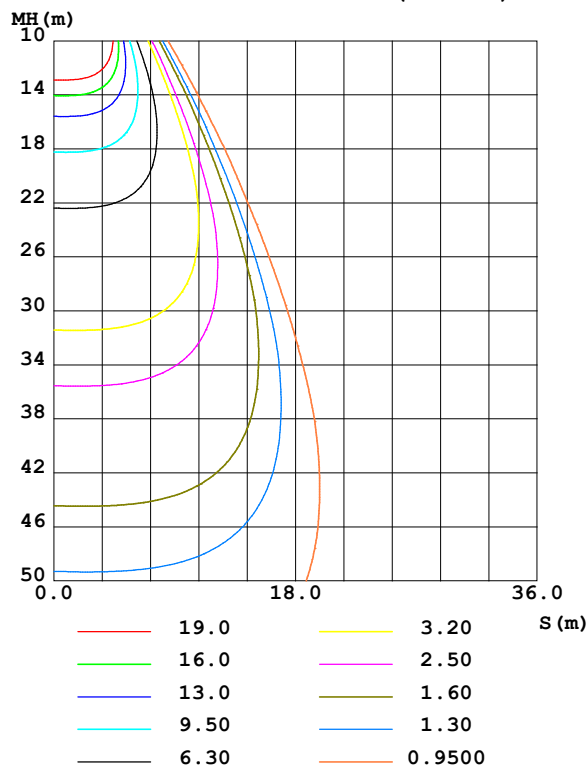
Test:U:230.79V I:0.1752A P:27.859W PF:0.6888 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2504.43x1 lm		
NAME: DL3564 60D 3500K CRI90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 68	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 89.90 lm/W			
MODEL	DL3564 60D 3500K CRI90	I _{max} (cd)	3219	S/MH(C0/180)	0.78
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	0.79
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2504.4	η UP,DN(C0-180)	0.3,51.8
NOMINAL FLUX(lm)	2504.43	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.5,47.4
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down (%)	99.2	CIBSE SHR MAX	0.80

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [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	3207	3208	3182	3152	3123	3114	3129	3174	0- 10	300.8	300.8	12,12
20	2917	2930	2843	2719	2626	2600	2644	2795	10- 20	856.2	1157	46.2,46.2
30	1330	1363	1247	1080	976.8	944.9	1004	1187	20- 30	916.1	2073	82.8,82.8
40	229.0	232.2	208.7	178.7	154.7	149.4	158.7	196.3	30- 40	330.5	2404	96,96
50	41.25	40.82	37.62	31.75	24.75	24.11	27.89	34.08	40- 50	66.87	2471	98.6,98.6
60	4.497	4.790	4.807	4.022	3.560	3.368	3.372	3.741	50- 60	12.08	2483	99.1,99.1
70	0.8247	0.8805	0.9155	0.8858	0.7991	0.6895	0.6596	0.7110	60- 70	1.942	2485	99.2,99.2
80	0.1282	0.1338	0.1482	0.1398	0.1079	0.0905	0.0842	0.0756	70- 80	0.3600	2485	99.2,99.2
90	0.0833	0.0861	0.0912	0.0802	0.0540	0.0499	0.0525	0.0436	80- 90	0.0902	2485	99.2,99.2
100	0.1259	0.1290	0.1253	0.1328	0.1080	0.1043	0.1094	0.0894	90-100	0.0895	2485	99.2,99.2
110	0.2248	0.2174	0.2278	0.2449	0.3469	0.3518	0.3333	0.2869	100-110	0.1889	2485	99.2,99.2
120	0.5479	0.5271	0.5576	0.6360	1.441	1.484	1.401	1.246	110-120	0.5449	2486	99.3,99.3
130	1.835	1.785	1.866	2.089	3.867	3.946	3.798	3.518	120-130	1.600	2487	99.3,99.3
140	4.328	4.253	4.392	4.734	7.079	7.176	7.003	6.648	130-140	3.231	2491	99.4,99.4
150	7.178	7.113	7.322	7.649	10.24	10.33	10.22	9.832	140-150	4.514	2495	99.6,99.6
160	9.499	9.494	9.784	9.931	12.42	12.46	12.53	12.16	150-160	4.575	2500	99.8,99.8
170	12.00	12.03	12.24	12.45	14.11	14.07	14.06	13.92	160-170	3.380	2503	99.9,99.9
180	14.56	14.70	14.64	14.88	14.59	14.72	14.66	14.90	170-180	1.319	2504	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2449.5 lm

%lum = 97.8%

%lamp = 97.8%

Conical surface Flux(130deg): 2483.9 lm

%lum = 99.2%

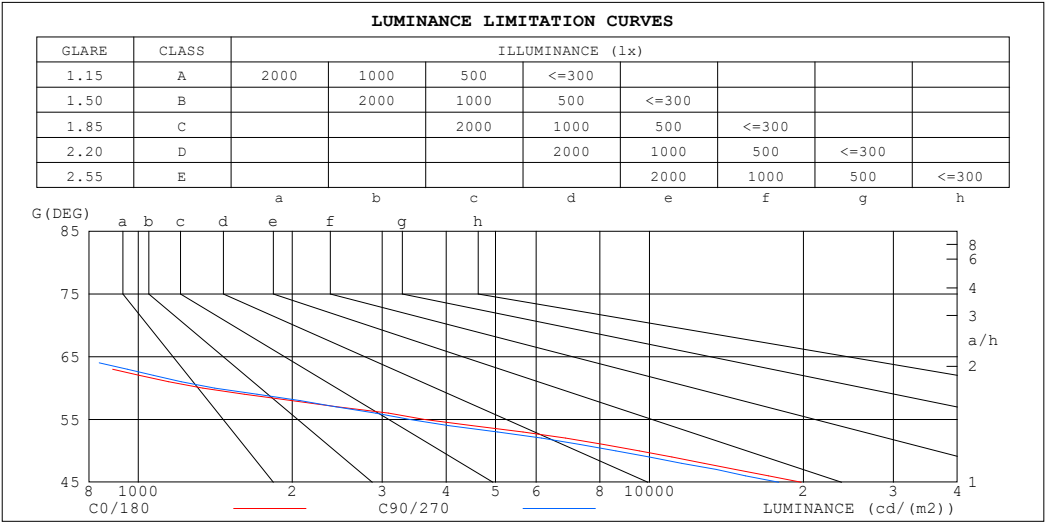
%lamp = 99.2%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.79V I:0.1752A P:27.859W PF:0.6888 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2504.43x1 lm		
NAME: DL3564 60D 3500K CRI90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 68	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	173	192
80	110	125
75	180	214
70	359	393
65	670	727
60	1338	1411
55	3634	3399
50	9545	8590
45	19819	17912

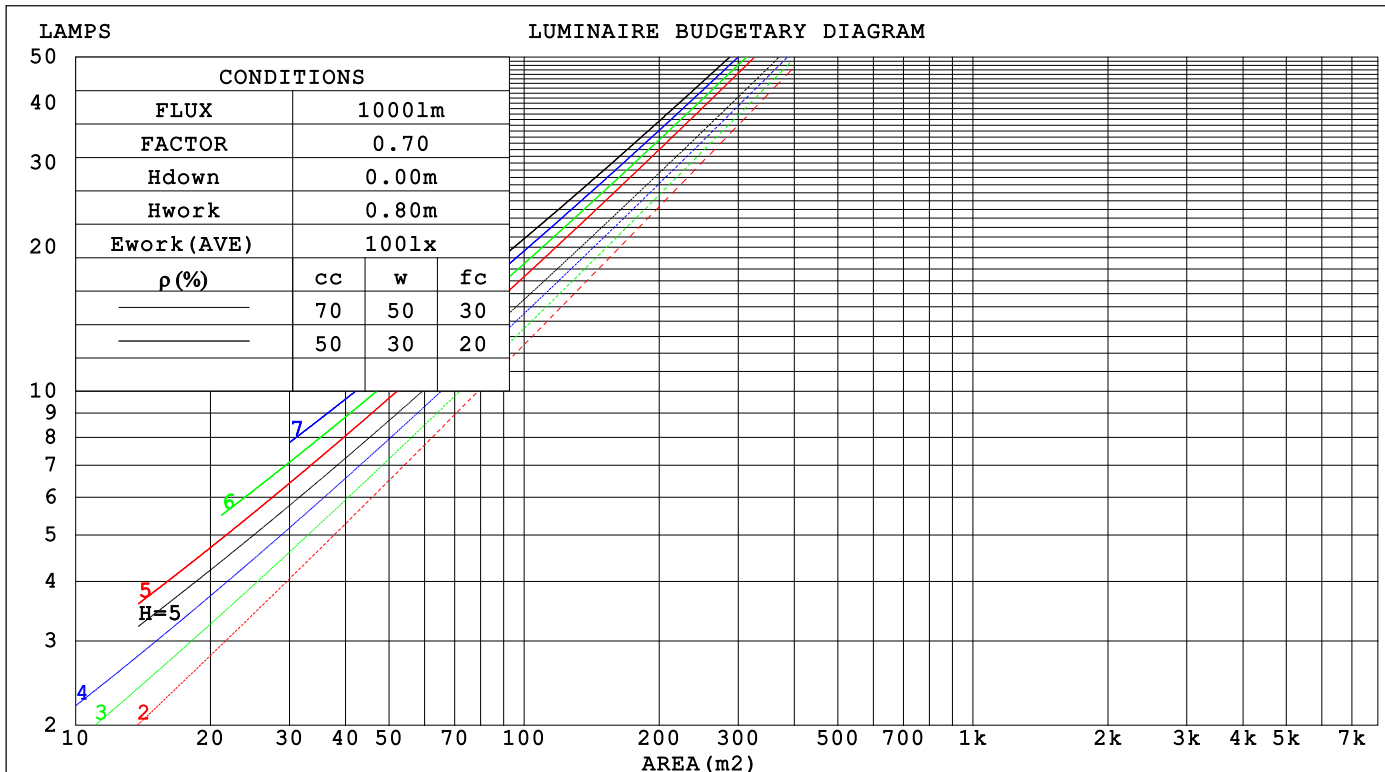
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.79V I:0.1752A P:27.859W PF:0.6888 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2504.43x1 lm		
NAME: DL3564 60D 3500K CRI90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 68	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	1.01	1.01	1.01	.99
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.90	.98	.97	.96	.95	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.98	.93	.90	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.86	.84	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.81	.87	.83	.80	.85	.82	.79	.78
5.0	.87	.81	.77	.86	.81	.77	.84	.80	.76	.82	.79	.76	.81	.77	.75	.74
6.0	.82	.77	.73	.81	.76	.72	.80	.75	.72	.78	.74	.71	.77	.73	.71	.69
7.0	.78	.72	.68	.77	.72	.68	.76	.71	.68	.74	.70	.67	.73	.70	.67	.66
8.0	.74	.68	.64	.73	.68	.64	.72	.67	.64	.71	.67	.64	.70	.66	.63	.62
9.0	.70	.64	.61	.69	.64	.61	.68	.64	.60	.68	.63	.60	.67	.63	.60	.59
10.0	.67	.61	.58	.66	.61	.57	.65	.61	.57	.64	.60	.57	.64	.60	.57	.56



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.79V I:0.1752A P:27.859W PF:0.6888 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2504.43x1 lm		
NAME: DL3564 60D 3500K CRI90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 68	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.167	.095	.030	.160	.091	.029	.147	.084	.027	.135	.078	.025	.124	.072	.023		
2.0	.159	.087	.027	.153	.084	.026	.142	.079	.025	.132	.074	.023	.123	.069	.022		
3.0	.151	.080	.024	.146	.078	.024	.137	.074	.022	.128	.070	.022	.120	.066	.021		
4.0	.143	.075	.022	.139	.073	.022	.131	.070	.021	.124	.066	.020	.117	.063	.019		
5.0	.137	.070	.020	.133	.068	.020	.126	.066	.019	.120	.063	.019	.114	.061	.018		
6.0	.131	.066	.019	.127	.064	.019	.121	.062	.018	.116	.060	.018	.110	.058	.017		
7.0	.125	.062	.018	.122	.061	.017	.117	.059	.017	.112	.057	.017	.107	.056	.016		
8.0	.120	.059	.016	.117	.058	.016	.113	.056	.016	.108	.055	.016	.104	.053	.016		
9.0	.115	.056	.016	.113	.055	.015	.109	.054	.015	.104	.052	.015	.101	.051	.015		
10.0	.111	.053	.015	.109	.052	.015	.105	.051	.014	.101	.050	.014	.098	.049	.014		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.196	.196	.196	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021		
1.0	.176	.163	.152	.151	.140	.131	.103	.096	.090	.059	.056	.052	.019	.018	.017		
2.0	.160	.139	.120	.137	.119	.104	.094	.083	.072	.054	.048	.042	.017	.016	.014		
3.0	.148	.120	.097	.126	.103	.084	.087	.072	.059	.050	.042	.035	.016	.014	.011		
4.0	.137	.105	.080	.117	.090	.070	.081	.063	.049	.047	.037	.029	.015	.012	.010		
5.0	.128	.093	.067	.110	.080	.058	.076	.056	.041	.044	.033	.024	.014	.011	.008		
6.0	.120	.084	.057	.103	.072	.050	.071	.051	.035	.041	.030	.021	.013	.010	.007		
7.0	.114	.076	.049	.098	.066	.043	.068	.046	.030	.039	.027	.018	.013	.009	.006		
8.0	.108	.070	.043	.093	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005		
9.0	.103	.064	.038	.089	.056	.033	.061	.039	.024	.036	.023	.014	.012	.008	.005		
10.0	.098	.060	.034	.085	.052	.030	.059	.037	.021	.034	.022	.013	.011	.007	.004		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.79V I:0.1752A P:27.859W PF:0.6888 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2504.43x1 lm										
NAME: DL3564 60D 3500K CRI90					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: VJC Lighting					SUR.: 68			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	15.8	16.6	16.0	16.8	17.0	15.3	16.2	15.5	16.3	16.5
3H	15.6	16.4	15.9	16.6	16.8	15.1	15.9	15.4	16.1	16.3
4H	15.5	16.3	15.8	16.5	16.7	15.0	15.8	15.3	16.0	16.3
6H	15.4	16.1	15.7	16.4	16.7	15.0	15.7	15.3	15.9	16.2
8H	15.4	16.1	15.7	16.3	16.6	14.9	15.6	15.2	15.9	16.1
12H	15.3	16.0	15.7	16.3	16.6	14.9	15.5	15.2	15.8	16.1
4H 2H	15.5	16.3	15.8	16.5	16.7	15.0	15.8	15.3	16.0	16.3
3H	15.3	16.0	15.7	16.3	16.6	14.9	15.5	15.2	15.8	16.1
4H	15.2	15.8	15.6	16.1	16.5	14.8	15.4	15.1	15.7	16.0
6H	15.1	15.7	15.5	16.0	16.4	14.7	15.2	15.1	15.5	15.9
8H	15.1	15.6	15.5	15.9	16.3	14.6	15.1	15.0	15.5	15.8
12H	15.0	15.5	15.5	15.9	16.3	14.6	15.0	15.0	15.4	15.8
8H 4H	15.1	15.6	15.5	15.9	16.3	14.6	15.1	15.0	15.5	15.8
6H	15.0	15.4	15.4	15.8	16.2	14.5	14.9	14.9	15.3	15.7
8H	14.9	15.3	15.4	15.7	16.2	14.5	14.8	14.9	15.2	15.7
12H	14.9	15.2	15.4	15.6	16.1	14.4	14.7	14.9	15.1	15.6
12H 4H	15.0	15.5	15.5	15.9	16.3	14.6	15.0	15.0	15.4	15.8
6H	14.9	15.3	15.4	15.7	16.2	14.5	14.8	14.9	15.2	15.7
8H	14.9	15.2	15.4	15.6	16.1	14.4	14.7	14.9	15.1	15.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.6 / -15.4					+ 3.5 / -14.9				
1.5H	+ 5.8 / -11.4					+ 5.7 / -10.9				
2.0H	+ 6.5 / -12.4					+ 6.3 / -11.7				

CIE Pub.117, 2504 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.2)
Area: 0.0068 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.79V I:0.1752A P:27.859W PF:0.6888 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2504.43x1 lm		
NAME: DL3564 60D 3500K CRI90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 68	Shielding Angle:

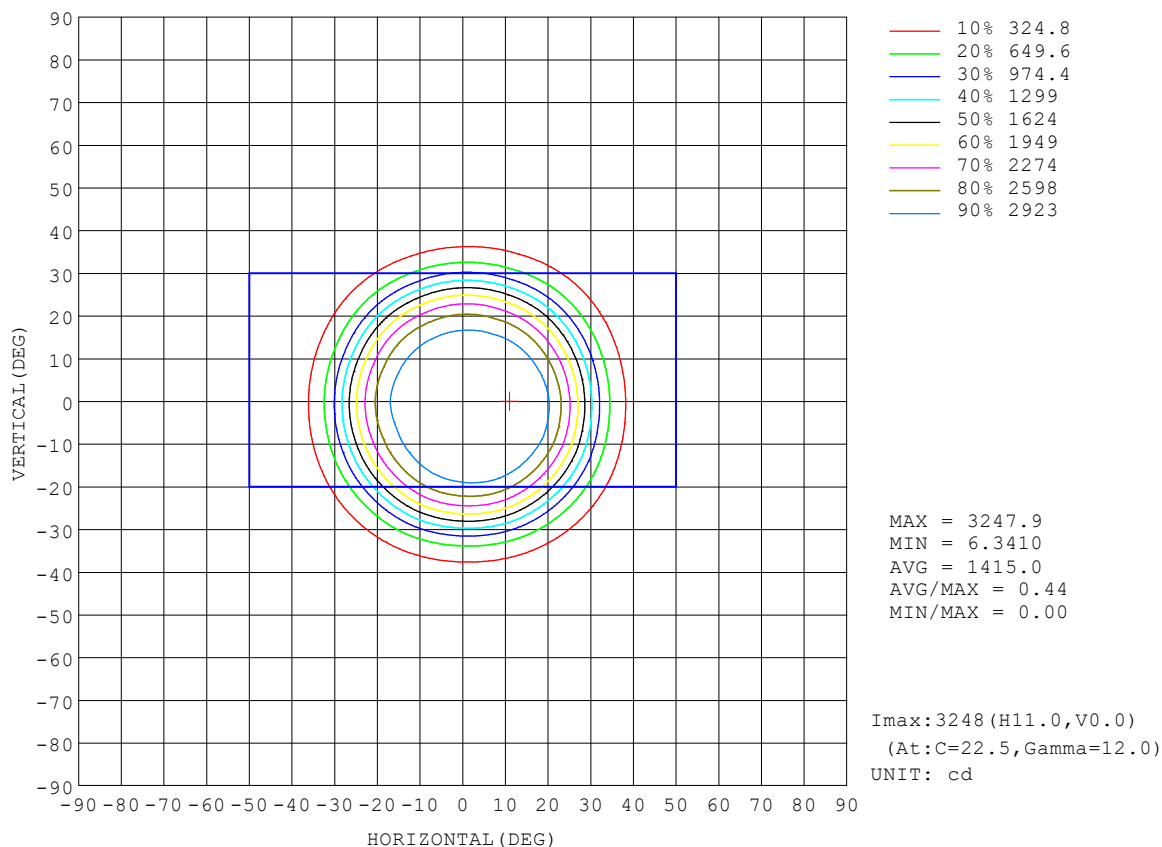
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	89	83	79	88	82	79	76
0.80	96	91	87	96	90	87	94	90	87	83
1.00	100	95	92	99	95	91	98	94	91	87
1.25	104	99	96	103	99	96	101	97	95	91
1.50	107	102	99	105	101	99	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	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: 25.3°C
 Operators: 001
 Test Date: 2024-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 7.580m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.79V I:0.1752A P:27.859W PF:0.6888 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2504.43x1 lm		
NAME: DL3564 60D 3500K CRI90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 68	Shielding Angle:

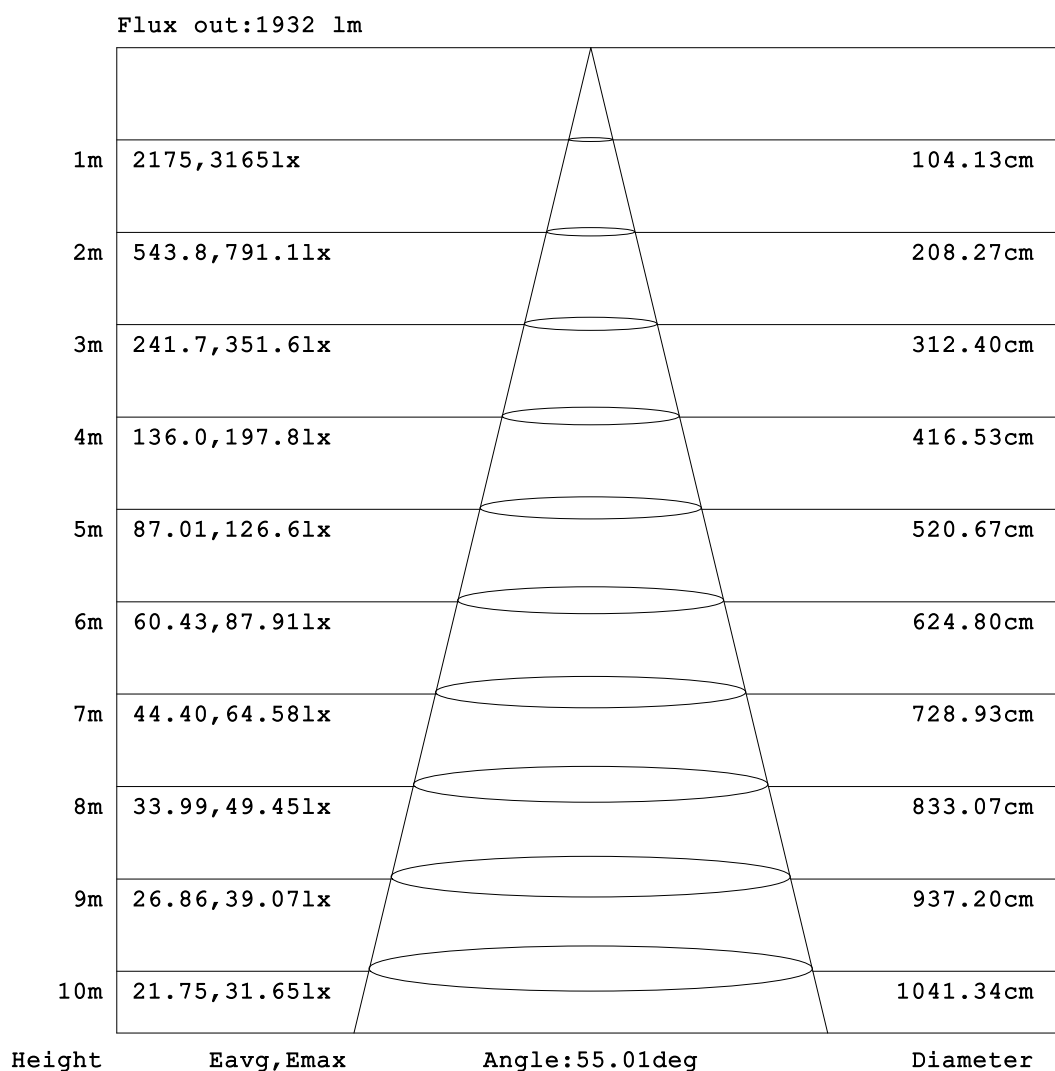


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: 001
Test Date: 2024-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.79V I:0.1752A P:27.859W PF:0.6888 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2504.43x1 lm		
NAME: DL3564 60D 3500K CRI90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 68	Shielding Angle:



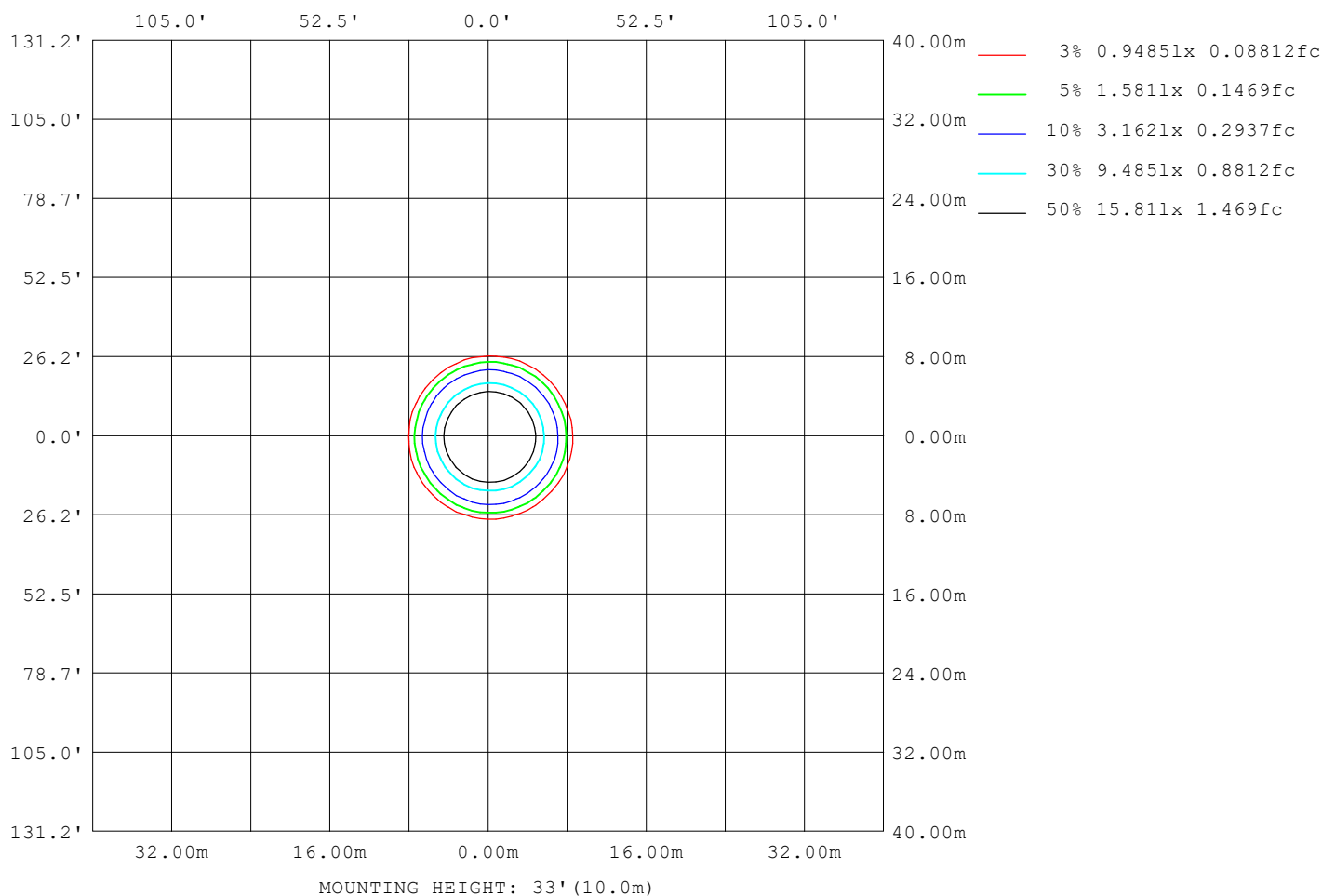
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: 001
Test Date: 2024-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.79V I:0.1752A P:27.859W PF:0.6888 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2504.43x1 lm		
NAME: DL3564 60D 3500K CRI90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 68	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: 001
Test Date: 2024-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.79V I:0.1752A P:27.859W PF:0.6888 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2504.43x1 lm		
NAME: DL3564 60D 3500K CRI90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 68	Shielding Angle:

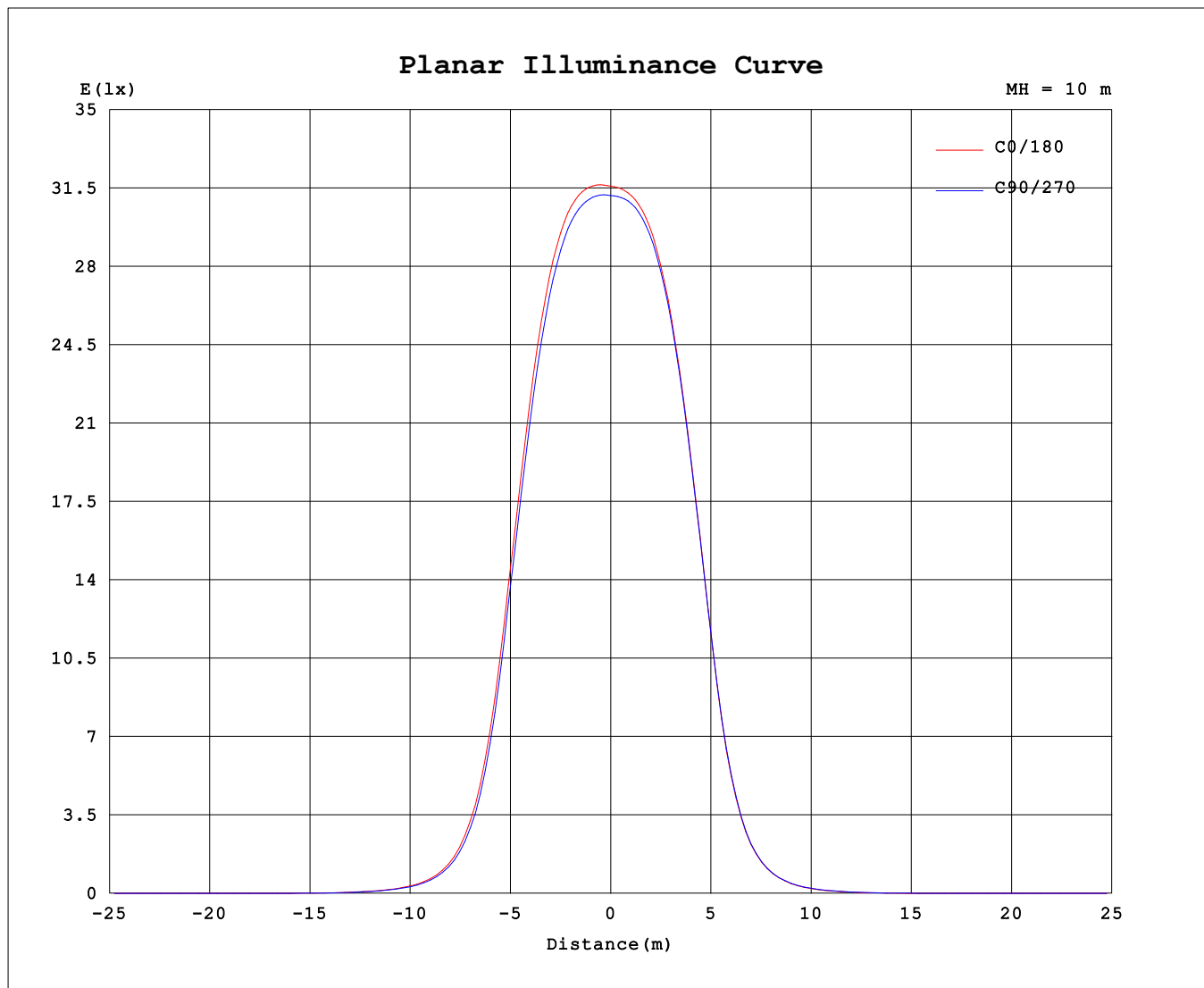
AvgL	cd/m2
L_0~180 (65) av	605
L_0~180 (75) av	165
L_0~180 (85) av	142
L_90~270 (65) av	606
L_90~270 (75) av	166
L_90~270 (85) av	140
L_45 (65) av	599
L_45 (75) av	160
L_45 (85) av	130

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: 001
Test Date: 2024-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.79V I:0.1752A P:27.859W PF:0.6888 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2504.43x1 lm		
NAME: DL3564 60D 3500K CRI90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 68	Shielding Angle:

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	3123	3123	3123	3123	3123	3123	3123	3123	3123	3123	3123	3123	3123	3123	3123	3123			
5	3160	3161	3160	3156	3152	3146	3140	3134	3129	3126	3126	3129	3133	3143	3151	3158			
10	3207	3211	3208	3196	3182	3166	3152	3142	3123	3114	3114	3118	3129	3146	3174	3198			
15	3176	3191	3182	3164	3127	3097	3061	3037	3000	2979	2982	2989	3015	3046	3104	3156			
20	2917	2951	2930	2905	2843	2795	2719	2675	2626	2593	2600	2601	2644	2697	2795	2880			
25	2276	2334	2304	2272	2190	2131	2025	1968	1909	1857	1867	1862	1925	1991	2118	2220			
30	1330	1402	1363	1340	1247	1191	1080	1029	977	928	945	941	1004	1063	1187	1273			
35	588	614	601	576	537	500	450	422	397	378	381	380	407	441	502	558			
40	229	240	232	226	209	199	179	167	155	146	149	146	159	171	196	215			
45	94.2	97.7	94.2	92.6	86.3	82.8	74.5	67.9	62.3	59.8	59.7	61.7	66.2	71.1	80.3	88.0			
50	41.3	42.5	40.8	40.4	37.6	35.9	31.7	27.4	24.8	23.3	24.1	25.2	27.9	30.5	34.1	38.1			
55	14.0	14.5	14.0	14.1	13.3	12.9	11.2	9.39	8.38	7.89	8.25	8.32	9.31	10.2	11.6	12.9			
60	4.50	4.77	4.79	4.99	4.81	4.57	4.02	3.74	3.56	3.41	3.37	3.29	3.37	3.42	3.74	4.09			
65	1.90	2.05	2.10	2.17	2.09	2.01	1.84	1.69	1.57	1.49	1.44	1.40	1.39	1.39	1.51	1.71			
70	0.82	0.87	0.88	0.92	0.92	0.93	0.89	0.86	0.80	0.72	0.69	0.65	0.66	0.66	0.71	0.76			
75	0.31	0.33	0.35	0.36	0.38	0.37	0.35	0.31	0.27	0.23	0.20	0.20	0.21	0.22	0.23	0.26			
80	0.13	0.11	0.13	0.12	0.15	0.13	0.14	0.12	0.11	0.12	0.09	0.10	0.08	0.10	0.08	0.11			
85	0.10	0.08	0.11	0.09	0.11	0.09	0.11	0.08	0.07	0.07	0.05	0.07	0.05	0.06	0.05	0.07			
90	0.08	0.08	0.09	0.08	0.09	0.08	0.08	0.08	0.05	0.05	0.05	0.04	0.05	0.05	0.04	0.05			
95	0.09	0.11	0.09	0.10	0.09	0.11	0.09	0.12	0.07	0.05	0.07	0.05	0.08	0.05	0.06	0.04			
100	0.13	0.14	0.13	0.14	0.13	0.15	0.13	0.16	0.11	0.08	0.10	0.08	0.11	0.08	0.09	0.06			
105	0.17	0.18	0.17	0.18	0.17	0.19	0.18	0.21	0.18	0.16	0.18	0.16	0.18	0.15	0.15	0.12			
110	0.22	0.23	0.22	0.24	0.23	0.25	0.24	0.27	0.35	0.35	0.35	0.34	0.33	0.30	0.29	0.26			
115	0.32	0.32	0.31	0.33	0.33	0.35	0.36	0.39	0.73	0.76	0.74	0.74	0.70	0.67	0.61	0.58			
120	0.55	0.53	0.53	0.53	0.56	0.59	0.64	0.67	1.44	1.50	1.48	1.47	1.40	1.35	1.25	1.19			
125	1.02	0.97	0.98	0.98	1.04	1.08	1.18	1.25	2.52	2.59	2.57	2.55	2.46	2.37	2.24	2.15			
130	1.83	1.78	1.79	1.79	1.87	1.94	2.09	2.20	3.87	3.96	3.95	3.92	3.80	3.69	3.52	3.41			
135	2.97	2.90	2.91	2.92	3.02	3.12	3.31	3.45	5.41	5.51	5.50	5.47	5.34	5.22	5.02	4.89			
140	4.33	4.25	4.25	4.28	4.39	4.52	4.73	4.90	7.08	7.18	7.18	7.14	7.00	6.86	6.65	6.51			
145	5.78	5.69	5.70	5.74	5.87	6.01	6.23	6.41	8.74	8.83	8.82	8.79	8.67	8.50	8.29	8.14			
150	7.18	7.10	7.11	7.17	7.32	7.46	7.65	7.82	10.2	10.3	10.3	10.3	10.2	10.04	9.83	9.66			
155	8.39	8.34	8.38	8.47	8.62	8.74	8.87	9.02	11.5	11.5	11.6	11.6	11.5	11.4	11.1	11.0			
160	9.50	9.44	9.49	9.62	9.78	9.83	9.93	10.07	12.4	12.4	12.5	12.5	12.5	12.4	12.2	12.0			
165	10.6	10.5	10.6	10.8	10.9	10.9	11.1	11.2	13.3	13.3	13.2	13.3	13.3	13.2	13.0	12.9			
170	12.0	11.9	12.0	12.2	12.2	12.3	12.5	12.6	14.1	14.2	14.1	14.0	14.1	14.0	13.9	13.9			
175	13.4	13.5	13.6	13.6	13.6	13.7	13.9	14.0	14.7	14.7	14.7	14.7	14.6	14.7	14.7	14.6			
180	14.6	14.7	14.7	14.7	14.6	14.7	14.9	14.9	14.6	14.6	14.7	14.6	14.7	14.7	14.9	14.9			

C Range: 0 - 360DEG

C Interval: 22.5DEG

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