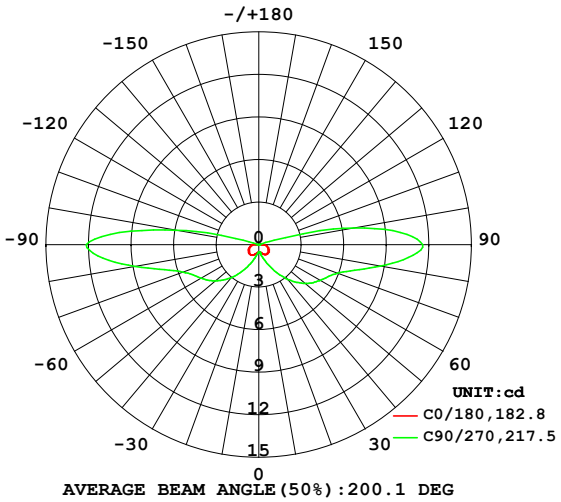
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.997V I:0.2206A P:5.2937W PF:1.0000 Freq:50.00Hz Lamp Flux:30.2079x1 lm		
NAME: HCP-271912-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

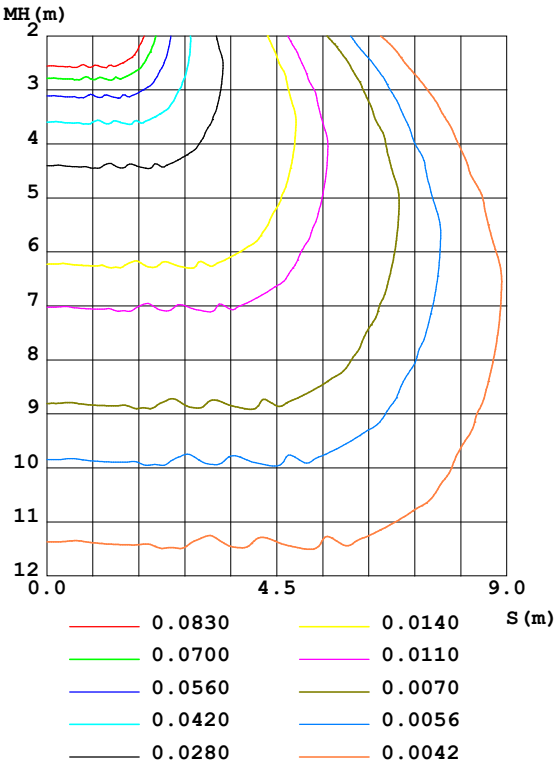
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 5.71 lm/W	
MODEL	HCP-271912-4000K	Imax(cd)	12.16	S/MH(C0/180)	2.21
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	5.00
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	30.208	η UP,DN(C0-180)	13.6,36.7
NOMINAL FLUX(lm)	30.2079	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	13.2,36.4
LAMPS INSIDE	1	η up(%)	26.9	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	23.997	η down(%)	73.1	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):200.1 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 4000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	0.5730	0.5906	0.6509	0.5906	0.5907	0.6517	0.6953	0.6473	0- 10	0.0551	0.0551	0.18,0.18
20	0.6472	0.9245	1.137	0.9158	0.6994	0.9865	1.186	0.9559	10- 20	0.2200	0.2751	0.91,0.91
30	0.8086	1.554	2.027	1.554	0.8557	1.621	2.016	1.503	20- 30	0.5618	0.8369	2.77,2.77
40	0.8686	2.331	3.212	2.405	0.9286	2.411	3.046	2.159	30- 40	1.163	2.000	6.62,6.62
50	0.8696	3.087	4.255	3.230	0.9307	3.115	3.984	2.811	40- 50	1.935	3.935	13,13
60	0.8079	3.683	5.033	3.839	0.8465	3.701	4.726	3.380	50- 60	2.716	6.651	22,22
70	0.6951	4.477	5.923	4.463	0.7406	4.427	5.683	4.258	60- 70	3.458	10.11	33.5,33.5
80	0.5648	6.651	8.717	6.629	0.5906	6.400	8.878	7.080	70- 80	4.812	14.92	49.4,49.4
90	0.2871	8.591	11.55	8.939	0.3385	8.781	12.16	9.696	80- 90	7.173	22.09	73.1,73.1
100	0.0437	4.758	6.805	5.369	0.0304	5.301	5.955	4.116	90-100	6.434	28.53	94.4,94.4
110	0	0.0532	0.1019	0.0754	0	0.0820	0.0434	0.0347	100-110	1.649	30.18	99.9,99.9
120	0	0.0217	0.0391	0.0087	0	0.0086	0.0347	0	110-120	0.0218	30.20	100,100
130	0	0.0043	0.0131	0	0	0	0	0	120-130	0.0071	30.21	100,100
140	0	0	0	0	0	0	0	0	130-140	0.0007	30.21	100,100
150	0	0	0	0	0	0	0	0	140-150	0	30.21	100,100
160	0	0	0	0	0	0	0	0	150-160	0	30.21	100,100
170	0	0	0	0	0	0	0	0	160-170	0	30.21	100,100
180	0	0	0	0	0	0	0	0	170-180	0	30.21	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

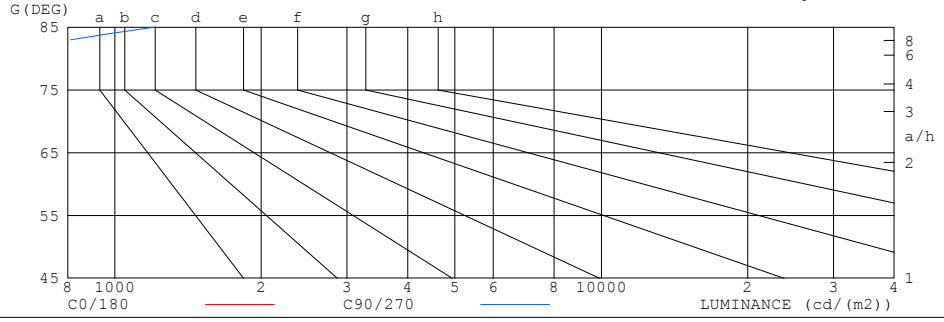
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 4000K

LUMINANCE LIMITATION CURVES

Test:U:23.997V I:0.2206A P:5.2937W PF:1.0000 Freq:50.00Hz Lamp Flux:30.2079x1 lm		
NAME: HCP-271912-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	51	1215
80	33	502
75	25	270
70	20	173
65	18	127
60	16	101
55	15	82
50	14	66
45	12	53

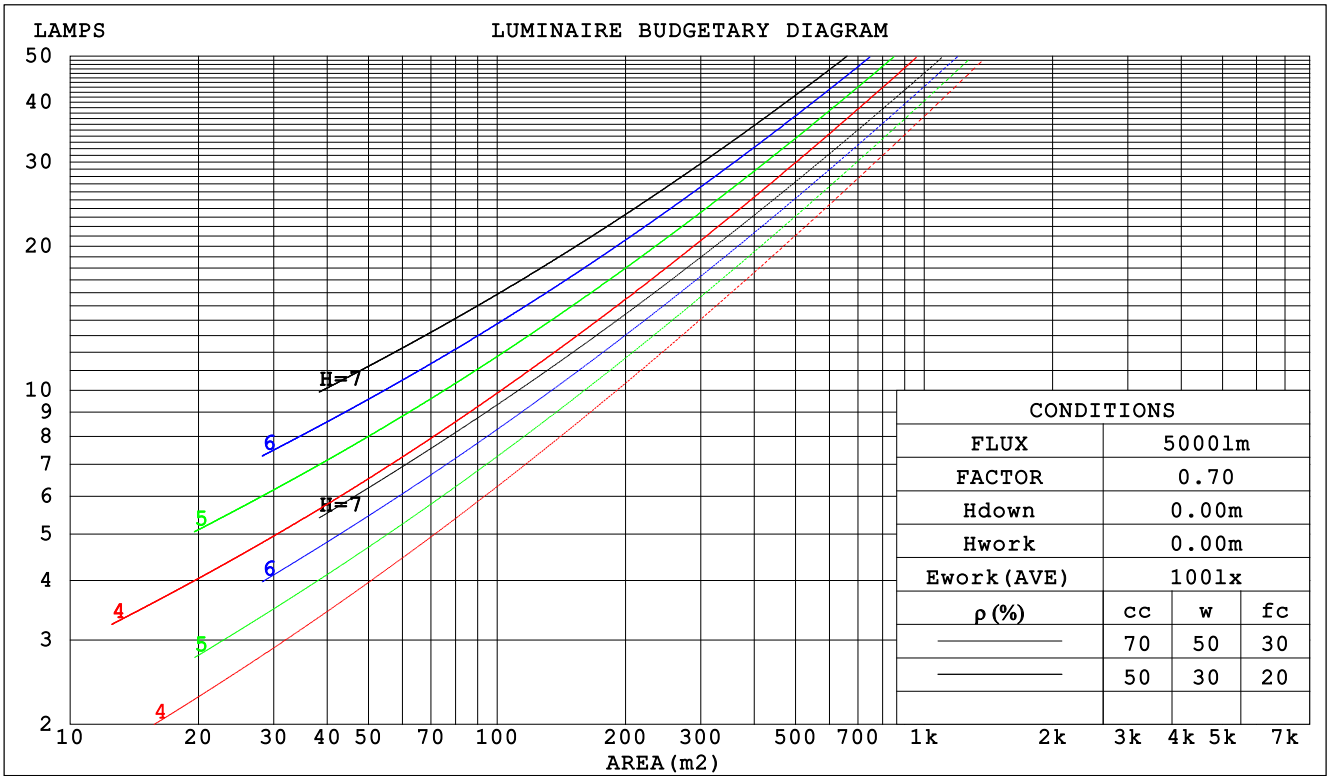
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.2206A P:5.2937W PF:1.0000 Freq:50.00Hz Lamp Flux:30.2079x1 lm		
NAME: HCP-271912-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	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	1.13	1.13	1.13	1.07	1.07	1.07	.96	.96	.96	.86	.86	.86	.77	.77	.77	.73
1.0	.83	.74	.67	.78	.70	.63	.68	.62	.56	.59	.54	.50	.51	.47	.43	.39
2.0	.67	.57	.48	.63	.53	.45	.55	.47	.40	.47	.40	.35	.40	.34	.30	.26
3.0	.57	.45	.36	.53	.42	.34	.46	.37	.30	.39	.32	.26	.33	.27	.22	.18
4.0	.49	.37	.28	.45	.35	.27	.39	.30	.23	.33	.26	.20	.28	.22	.17	.13
5.0	.42	.31	.23	.40	.29	.22	.34	.26	.19	.29	.22	.16	.25	.18	.13	.10
6.0	.37	.27	.19	.35	.25	.18	.30	.22	.16	.26	.19	.13	.22	.16	.11	.08
7.0	.33	.23	.16	.31	.22	.15	.27	.19	.13	.23	.16	.11	.20	.14	.09	.07
8.0	.30	.20	.14	.28	.19	.13	.25	.17	.11	.21	.14	.10	.18	.12	.08	.05
9.0	.27	.18	.12	.26	.17	.11	.22	.15	.10	.19	.13	.08	.16	.11	.07	.04
10.0	.25	.16	.10	.23	.15	.10	.21	.13	.08	.18	.12	.07	.15	.10	.06	.04



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 4000K

WEC AND CCEC

Test:U:23.997V I:0.2206A P:5.2937W PF:1.0000 Freq:50.00Hz Lamp Flux:30.2079x1 lm		
NAME: HCP-271912-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	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						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.593	.337	.107	.577	.329	.105	.547	.314	.100	.520	.300	.096	.495	.287	.092	
2.0	.452	.248	.076	.438	.241	.074	.411	.228	.071	.385	.216	.068	.362	.205	.065	
3.0	.375	.199	.060	.361	.194	.058	.337	.182	.055	.314	.172	.053	.293	.162	.050	
4.0	.322	.167	.049	.310	.162	.048	.288	.153	.046	.267	.143	.043	.247	.134	.041	
5.0	.283	.144	.042	.273	.140	.041	.252	.131	.039	.233	.123	.037	.215	.115	.035	
6.0	.254	.127	.036	.244	.123	.035	.225	.115	.034	.208	.108	.032	.191	.101	.030	
7.0	.230	.114	.032	.221	.110	.031	.203	.103	.030	.187	.096	.028	.172	.089	.026	
8.0	.210	.103	.029	.202	.099	.028	.186	.093	.027	.171	.087	.025	.157	.081	.023	
9.0	.193	.093	.026	.186	.090	.025	.171	.085	.024	.157	.079	.023	.144	.073	.021	
10.0	.179	.086	.024	.172	.083	.023	.159	.078	.022	.146	.072	.021	.134	.067	.019	

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	.395	.395	.395	.338	.338	.338	.230	.230	.230	.132	.132	.132	.042	.042	.042	
1.0	.406	.360	.318	.348	.309	.274	.238	.213	.189	.137	.123	.110	.044	.040	.036	
2.0	.401	.339	.286	.344	.292	.247	.236	.202	.173	.136	.117	.101	.044	.038	.033	
3.0	.393	.324	.268	.337	.279	.233	.232	.194	.163	.134	.113	.096	.043	.037	.032	
4.0	.385	.312	.257	.330	.270	.223	.227	.188	.157	.131	.110	.093	.042	.036	.031	
5.0	.376	.303	.250	.323	.262	.217	.222	.183	.153	.129	.108	.091	.041	.035	.030	
6.0	.367	.296	.244	.315	.256	.213	.218	.179	.151	.126	.105	.090	.041	.034	.030	
7.0	.359	.289	.241	.309	.251	.210	.213	.176	.149	.124	.104	.088	.040	.034	.029	
8.0	.351	.284	.238	.302	.246	.207	.209	.173	.147	.122	.102	.088	.039	.033	.029	
9.0	.344	.279	.235	.296	.242	.205	.205	.170	.146	.120	.101	.087	.039	.033	.029	
10.0	.337	.275	.233	.291	.239	.204	.202	.168	.145	.118	.099	.086	.038	.033	.029	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 4000K

UGR(Unified Glare Rating) Table

Test:U:23.997V I:0.2206A P:5.2937W PF:1.0000 Freq:50.00Hz Lamp Flux:30.2079x1 lm		
NAME: HCP-271912-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	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	9.5	11.0	10.1	11.6	12.4	15.5	17.0	16.1	17.6	18.4
3H	11.9	13.3	12.5	14.0	14.8	19.7	21.1	20.3	21.8	22.6
4H	13.3	14.6	13.9	15.3	16.2	22.3	23.6	23.0	24.4	25.2
6H	14.7	16.0	15.4	16.7	17.6	25.5	26.8	26.2	27.5	28.4
8H	15.4	16.6	16.1	17.4	18.2	27.4	28.6	28.1	29.3	30.2
12H	16.0	17.2	16.7	18.0	18.8	29.4	30.6	30.1	31.4	32.3
4H 2H	12.9	14.3	13.6	15.0	15.8	16.2	17.5	16.9	18.2	19.1
3H	15.6	16.9	16.3	17.6	18.5	20.7	21.9	21.4	22.6	23.5
4H	17.2	18.3	17.9	19.1	20.0	23.5	24.7	24.3	25.4	26.4
6H	18.8	19.9	19.6	20.7	21.6	26.9	28.0	27.7	28.8	29.7
8H	19.6	20.6	20.4	21.4	22.4	28.9	29.9	29.6	30.7	31.6
12H	20.3	21.2	21.1	22.1	23.0	31.0	32.0	31.8	32.8	33.8
8H 4H	20.4	21.4	21.1	22.2	23.1	24.2	25.2	25.0	26.0	26.9
6H	22.6	23.4	23.3	24.2	25.2	27.9	28.8	28.7	29.6	30.6
8H	23.6	24.4	24.4	25.2	26.3	30.1	30.9	30.9	31.7	32.7
12H	24.6	25.3	25.4	26.1	27.2	32.5	33.2	33.3	34.1	35.1
12H 4H	21.6	22.5	22.3	23.3	24.3	24.3	25.3	25.1	26.1	27.0
6H	24.1	24.9	24.9	25.7	26.8	28.2	29.0	29.0	29.9	30.9
8H	25.4	26.2	26.3	27.0	28.0	30.5	31.2	31.3	32.1	33.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.3 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.4 / - 0.4				

CIE Pub.117, 30.21 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -12.2)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 4000K

UTILIZATION FACTORS TABLE

Test:U:23.997V I:0.2206A P:5.2937W PF:1.0000 Freq:50.00Hz Lamp Flux:30.2079x1 lm		
NAME: HCP-271912-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

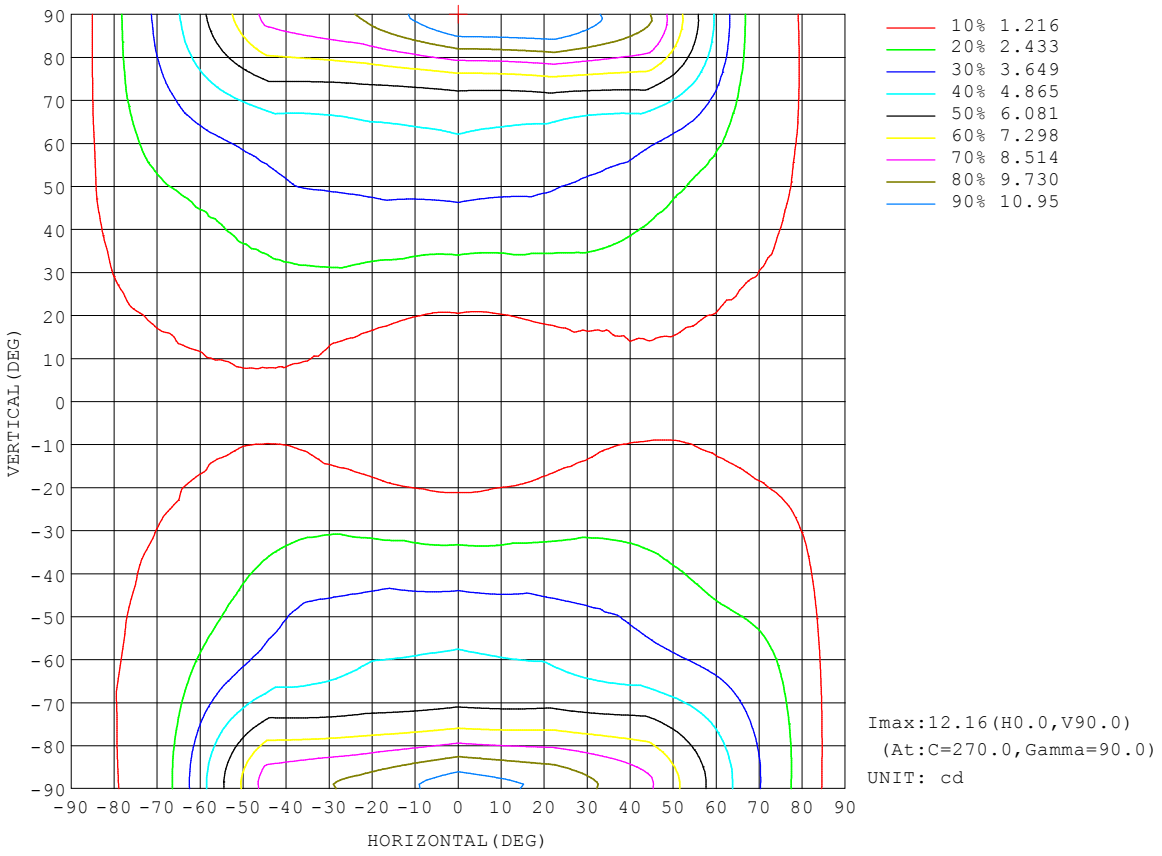
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	35	20	12	34	20	12	32	19	12	4
0.80	42	26	17	41	26	16	38	24	16	7
1.00	49	32	21	47	31	21	43	33	20	10
1.25	55	38	27	53	37	26	48	35	25	14
1.50	60	43	31	57	42	30	52	39	29	17
2.00	68	51	39	65	49	38	58	46	36	22
2.50	73	58	45	69	55	44	63	51	41	26
3.00	77	63	51	73	60	49	66	55	46	30
4.00	83	70	59	79	67	57	71	61	52	35
5.00	87	75	65	83	72	62	74	65	57	39
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:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 4000K

ISOCANDELA DIAGRAM

Test:U:23.997V I:0.2206A P:5.2937W PF:1.0000 Freq:50.00Hz Lamp Flux:30.2079x1 lm		
NAME: HCP-271912-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

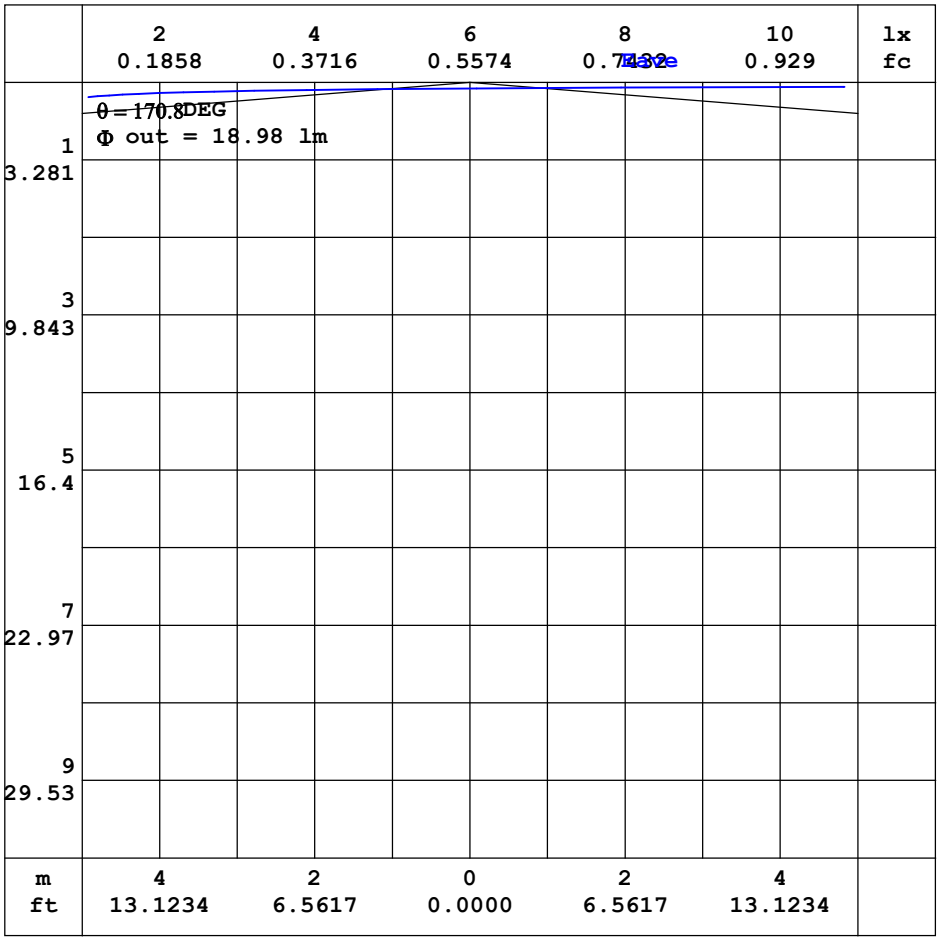


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 4000K

AAI CURVES

Test:U:23.997V I:0.2206A P:5.2937W PF:1.0000 Freq:50.00Hz Lamp Flux:30.2079x1 lm		
NAME: HCP-271912-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:



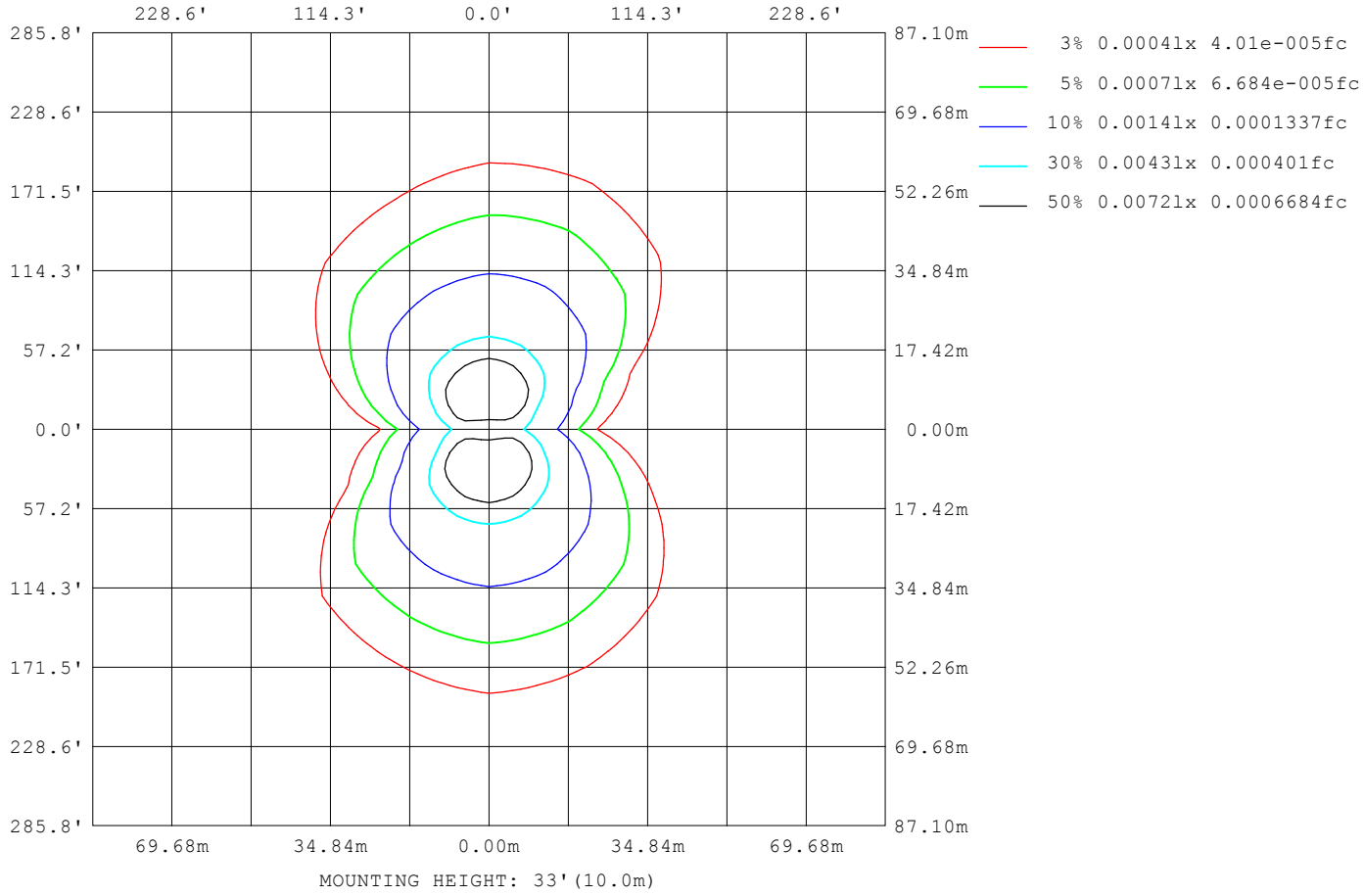
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 4000K

ISOLUX DIAGRAM

Test:U:23.997V I:0.2206A P:5.2937W PF:1.0000 Freq:50.00Hz Lamp Flux:30.2079x1 lm		
NAME: HCP-271912-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 4000K

LED Avg.L Report

Test:U:23.997V I:0.2206A P:5.2937W PF:1.0000 Freq:50.00Hz Lamp Flux:30.2079x1 lm		
NAME: HCP-271912-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

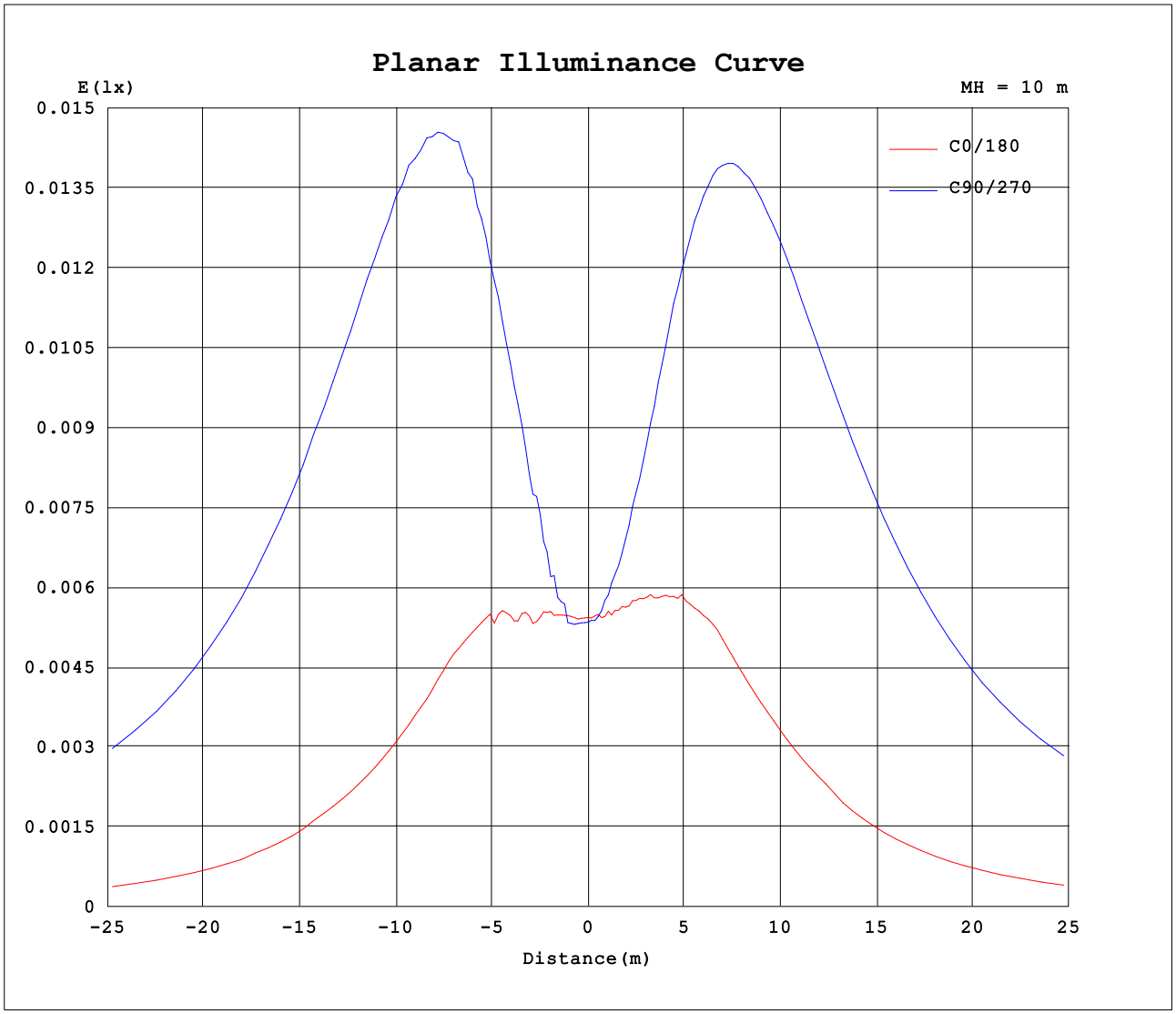
AvgL	cd/m2
L_0~180(65)av	18
L_0~180(75)av	25
L_0~180(85)av	56
L_90~270(65)av	124
L_90~270(75)av	268
L_90~270(85)av	1240
L_45(65)av	93
L_45(75)av	204
L_45(85)av	946

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 4000K

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.997V I:0.2206A P:5.2937W PF:1.0000 Freq:50.00Hz Lamp Flux:30.2079x1 lm		
NAME: HCP-271912-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(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	0.54	0.53	0.54	0.53	0.53	0.53	0.53	0.53	0.54	0.53	0.54	0.53	0.53	0.53	0.53	0.53			
5	0.55	0.55	0.56	0.55	0.54	0.56	0.55	0.54	0.55	0.55	0.57	0.53	0.58	0.53	0.56	0.54			
10	0.57	0.60	0.59	0.66	0.65	0.66	0.59	0.59	0.59	0.59	0.65	0.66	0.70	0.64	0.65	0.59			
15	0.60	0.68	0.73	0.83	0.86	0.82	0.72	0.66	0.64	0.66	0.78	0.86	0.89	0.85	0.77	0.65			
20	0.65	0.79	0.92	1.10	1.14	1.10	0.92	0.77	0.70	0.80	0.99	1.12	1.19	1.09	0.96	0.74			
25	0.74	0.93	1.20	1.46	1.54	1.47	1.19	0.90	0.78	0.93	1.27	1.48	1.56	1.43	1.20	0.86			
30	0.81	1.11	1.55	1.90	2.03	1.93	1.55	1.08	0.86	1.14	1.62	1.91	2.02	1.85	1.50	1.01			
35	0.86	1.33	1.96	2.42	2.62	2.49	1.98	1.26	0.91	1.35	2.02	2.40	2.53	2.32	1.82	1.14			
40	0.87	1.52	2.33	2.96	3.21	3.05	2.40	1.43	0.93	1.56	2.41	2.87	3.05	2.80	2.16	1.29			
45	0.88	1.69	2.74	3.46	3.77	3.58	2.83	1.56	0.94	1.73	2.77	3.31	3.54	3.23	2.48	1.38			
50	0.87	1.86	3.09	3.94	4.26	4.04	3.23	1.66	0.93	1.92	3.11	3.72	3.98	3.66	2.81	1.45			
55	0.86	2.00	3.40	4.34	4.70	4.43	3.56	1.73	0.88	2.04	3.42	4.06	4.38	4.05	3.11	1.50			
60	0.81	2.10	3.68	4.70	5.03	4.74	3.84	1.76	0.85	2.20	3.70	4.42	4.73	4.42	3.38	1.57			
65	0.76	2.23	3.98	5.07	5.38	5.03	4.06	1.78	0.80	2.29	3.98	4.74	5.09	4.75	3.71	1.68			
70	0.70	2.43	4.48	5.63	5.92	5.48	4.46	1.81	0.74	2.51	4.43	5.23	5.68	5.40	4.26	1.75			
75	0.65	2.79	5.36	6.63	6.99	6.33	5.26	1.88	0.66	2.83	5.20	6.11	6.87	6.74	5.34	1.91			
80	0.56	3.35	6.65	8.14	8.72	7.71	6.63	1.97	0.59	3.36	6.40	7.45	8.88	8.91	7.08	2.05			
85	0.45	3.90	7.98	9.77	10.6	9.23	8.21	2.08	0.53	3.92	7.81	8.90	11.0	11.1	8.97	2.19			
90	0.29	4.13	8.59	10.6	11.6	10.0	8.94	2.12	0.34	4.33	8.78	9.80	12.2	12.0	9.70	2.09			
95	0.17	3.45	7.25	9.27	10.0	8.88	7.74	1.83	0.20	3.81	7.77	8.32	9.88	9.40	7.50	1.73			
100	0.04	2.18	4.76	6.24	6.81	6.19	5.37	1.24	0.03	2.57	5.30	5.44	5.96	5.28	4.12	0.95			
105	0.00	0.51	1.24	1.93	1.96	1.94	1.64	0.27	0.00	0.78	1.87	1.65	1.69	1.30	1.06	0.20			
110	0.00	0.00	0.05	0.07	0.10	0.09	0.08	0.00	0.00	0.04	0.08	0.08	0.04	0.06	0.03	0.00			
115	0.00	0.00	0.03	0.03	0.05	0.03	0.02	0.00	0.00	0.00	0.02	0.05	0.04	0.04	0.00	0.00			
120	0.00	0.00	0.02	0.03	0.04	0.03	0.01	0.00	0.00	0.00	0.01	0.04	0.03	0.04	0.00	0.00			
125	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.02	0.00	0.00			
130	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00			
135	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	0.01	0.00	0.00			
140	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			
145	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			
150	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			
155	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			
160	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			
165	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			
170	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			
175	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			
180	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			

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