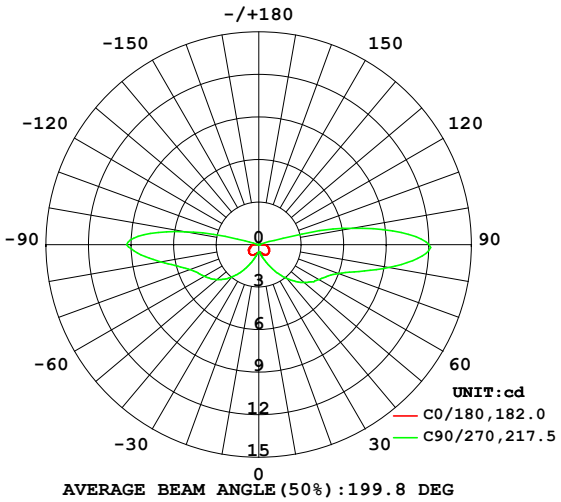
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.997V I:0.2324A P:5.5769W PF:1.0000 Freq:50.00Hz Lamp Flux:29.4713x1 lm		
NAME: HCP-271912-5500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

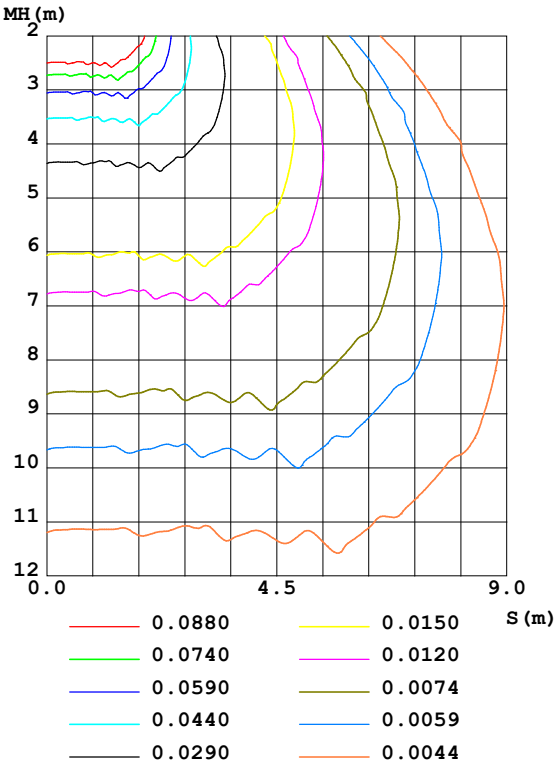
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 5.28 lm/W	
MODEL	HCP-271912-5500K	Imax(cd)	12.12	S/MH(C0/180)	2.19
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	4.71
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	29.471	η UP,DN(C0-180)	14.0,38.3
NOMINAL FLUX(lm)	29.4713	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	12.8,34.9
LAMPS INSIDE	1	η up(%)	26.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	23.997	η down(%)	73.2	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):199.8 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 5500K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	0.5819	0.5950	0.6510	0.6035	0.6038	0.6430	0.6952	0.6604	0- 10	0.0555	0.0555	0.19,0.19
20	0.6601	0.8728	1.146	0.9852	0.7167	0.9299	1.165	1.012	10- 20	0.2209	0.2764	0.94,0.94
30	0.8258	1.406	2.027	1.667	0.8602	1.477	1.999	1.660	20- 30	0.5617	0.8381	2.84,2.84
40	0.9248	2.041	3.139	2.540	0.9121	2.168	2.998	2.450	30- 40	1.155	1.993	6.76,6.76
50	0.9243	2.683	4.168	3.356	0.9119	2.828	3.840	3.145	40- 50	1.909	3.902	13.2,13.2
60	0.8297	3.226	4.954	3.913	0.8433	3.362	4.452	3.697	50- 60	2.657	6.559	22.3,22.3
70	0.7341	4.115	5.979	4.676	0.7251	4.115	5.170	4.323	60- 70	3.369	9.928	33.7,33.7
80	0.6039	7.179	9.325	6.811	0.5903	6.593	7.021	6.100	70- 80	4.692	14.62	49.6,49.6
90	0.3218	9.759	12.02	8.605	0.2907	9.193	9.324	8.425	80- 90	6.954	21.57	73.2,73.2
100	0.0697	4.776	6.709	4.753	0.0304	4.879	5.322	4.919	90-100	6.264	27.84	94.5,94.5
110	0	0.0668	0.0757	0.0441	0	0.0389	0.0434	0.0304	100-110	1.606	29.44	99.9,99.9
120	0	0.0088	0.0347	0.0174	0	0	0.0391	0	110-120	0.0201	29.46	100,100
130	0	0	0.0087	0.0043	0	0	0.0043	0	120-130	0.0067	29.47	100,100
140	0	0	0	0	0	0	0	0	130-140	0.0008	29.47	100,100
150	0	0	0	0	0	0	0	0	140-150	0.0000	29.47	100,100
160	0	0	0	0	0	0	0	0	150-160	0	29.47	100,100
170	0	0	0	0	0	0	0	0	160-170	0	29.47	100,100
180	0	0	0	0	0	0	0	0	170-180	0	29.47	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

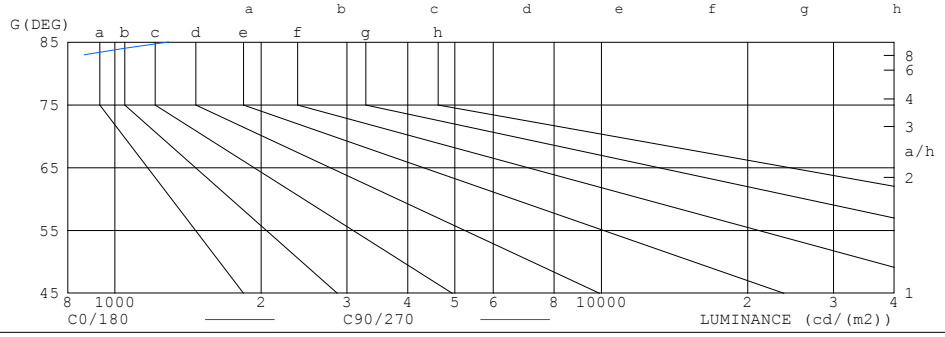
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 5500K

LUMINANCE LIMITATION CURVES

Test:U:23.997V I:0.2324A P:5.5769W PF:1.0000 Freq:50.00Hz Lamp Flux:29.4713x1 lm		
NAME: HCP-271912-5500K	**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	56	1291
80	35	537
75	26	283
70	21	175
65	18	126
60	17	99
55	16	80
50	14	65
45	13	52

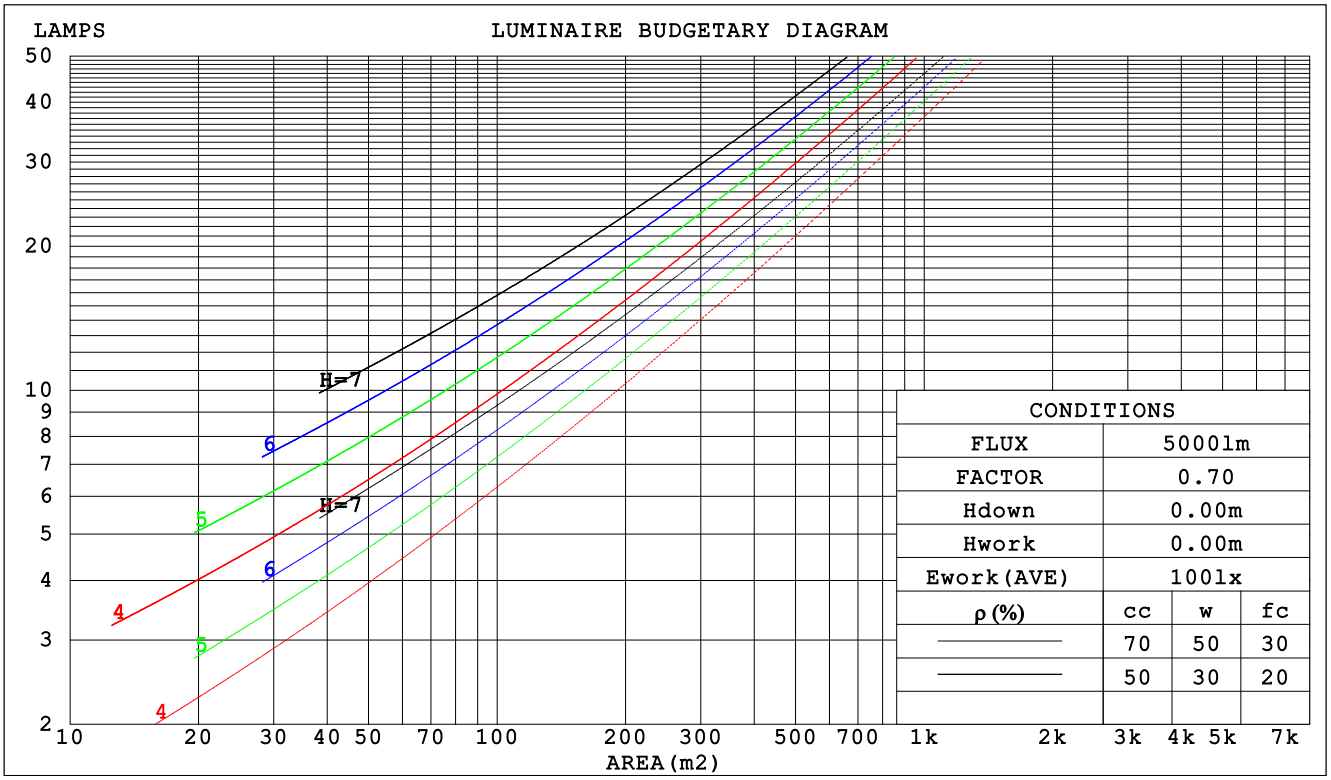
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-28

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 5500K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.2324A P:5.5769W PF:1.0000 Freq:50.00Hz Lamp Flux:29.4713x1 lm		
NAME: HCP-271912-5500K	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	.75	.67	.78	.70	.63	.68	.62	.56	.59	.54	.50	.51	.47	.44	.39
2.0	.67	.57	.48	.63	.53	.45	.55	.47	.40	.47	.40	.35	.40	.35	.30	.26
3.0	.57	.45	.36	.53	.42	.34	.46	.37	.30	.39	.32	.26	.33	.27	.22	.18
4.0	.49	.37	.29	.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	.19	.14	.10
6.0	.38	.27	.19	.35	.25	.18	.30	.22	.16	.26	.19	.13	.22	.16	.11	.08
7.0	.34	.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	.15	.10	.18	.12	.08	.05
9.0	.27	.18	.12	.26	.17	.11	.22	.15	.10	.19	.13	.08	.17	.11	.07	.05
10.0	.25	.16	.10	.23	.15	.10	.21	.13	.09	.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 5500K

WEC AND CCEC

Test:U:23.997V I:0.2324A P:5.5769W PF:1.0000 Freq:50.00Hz Lamp Flux:29.4713x1 lm		
NAME: HCP-271912-5500K	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	.592	.336	.107	.576	.328	.104	.546	.313	.100	.518	.299	.096	.493	.286	.092	
2.0	.451	.247	.076	.437	.241	.074	.410	.228	.071	.385	.216	.068	.361	.204	.064	
3.0	.374	.199	.060	.361	.193	.058	.336	.182	.055	.313	.172	.053	.292	.162	.050	
4.0	.322	.167	.049	.310	.162	.048	.287	.152	.046	.267	.143	.043	.247	.134	.041	
5.0	.283	.144	.042	.272	.140	.041	.252	.131	.039	.233	.123	.037	.215	.115	.035	
6.0	.253	.127	.036	.244	.123	.035	.225	.115	.034	.207	.108	.032	.191	.101	.030	
7.0	.229	.113	.032	.220	.110	.031	.203	.103	.030	.187	.096	.028	.172	.089	.026	
8.0	.210	.102	.029	.201	.099	.028	.186	.093	.026	.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	.158	.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	.337	.337	.337	.230	.230	.230	.132	.132	.132	.042	.042	.042	
1.0	.406	.360	.318	.347	.309	.274	.237	.212	.189	.137	.123	.110	.044	.040	.036	
2.0	.401	.338	.286	.343	.291	.247	.235	.202	.172	.136	.117	.101	.044	.038	.033	
3.0	.393	.323	.268	.337	.279	.232	.231	.194	.163	.134	.113	.096	.043	.037	.031	
4.0	.384	.312	.257	.330	.269	.223	.227	.188	.157	.131	.110	.093	.042	.036	.031	
5.0	.375	.303	.249	.322	.262	.217	.222	.183	.153	.129	.107	.091	.041	.035	.030	
6.0	.366	.295	.244	.315	.256	.213	.217	.179	.150	.126	.105	.089	.041	.034	.030	
7.0	.358	.289	.240	.308	.250	.209	.213	.176	.148	.124	.103	.088	.040	.034	.029	
8.0	.350	.283	.237	.302	.246	.207	.209	.173	.147	.121	.102	.087	.039	.033	.029	
9.0	.343	.279	.235	.296	.242	.205	.205	.170	.145	.119	.100	.087	.039	.033	.029	
10.0	.337	.274	.233	.290	.238	.203	.201	.168	.144	.117	.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 5500K

UGR(Unified Glare Rating) Table

Test:U:23.997V I:0.2324A P:5.5769W PF:1.0000 Freq:50.00Hz Lamp Flux:29.4713x1 lm		
NAME: HCP-271912-5500K	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	8.2	9.7	8.8	10.4	11.1	15.2	16.7	15.8	17.3	18.1
	3H	10.4	11.8	11.1	12.5	13.3	19.5	21.0	20.2	21.6	22.5
	4H	11.7	13.0	12.4	13.8	14.6	22.4	23.7	23.1	24.4	25.3
	6H	13.0	14.3	13.7	15.0	15.9	25.8	27.1	26.5	27.9	28.7
	8H	13.7	14.9	14.4	15.7	16.5	27.8	29.0	28.5	29.8	30.6
	12H	14.3	15.5	15.0	16.3	17.2	29.9	31.1	30.6	31.8	32.7
4H	2H	12.0	13.4	12.7	14.1	14.9	15.8	17.1	16.4	17.8	18.7
	3H	14.5	15.7	15.2	16.4	17.3	20.5	21.7	21.2	22.4	23.3
	4H	15.7	16.9	16.5	17.6	18.5	23.5	24.7	24.3	25.4	26.3
	6H	16.9	18.0	17.7	18.7	19.7	27.2	28.2	27.9	29.0	29.9
	8H	17.5	18.5	18.3	19.3	20.3	29.2	30.2	30.0	31.0	32.0
	12H	18.1	19.1	18.9	19.9	20.8	31.5	32.4	32.2	33.2	34.2
8H	4H	19.9	20.9	20.6	21.6	22.6	24.2	25.2	25.0	26.0	26.9
	6H	21.7	22.6	22.5	23.4	24.4	28.2	29.0	29.0	29.9	30.8
	8H	22.4	23.2	23.2	24.0	25.0	30.4	31.2	31.2	32.0	33.0
	12H	22.9	23.6	23.7	24.4	25.5	32.9	33.6	33.7	34.4	35.4
12H	4H	21.3	22.3	22.1	23.1	24.0	24.3	25.2	25.1	26.0	27.0
	6H	23.9	24.7	24.7	25.5	26.5	28.5	29.3	29.3	30.1	31.1
	8H	25.0	25.7	25.8	26.5	27.6	30.8	31.6	31.7	32.4	33.4

Variations with the observer position at spacings:		
S = 1.0H	+ 0.1 / - 0.1	+ 0.1 / - 0.1
1.5H	+ 0.1 / - 0.2	+ 0.3 / - 0.3
2.0H	+ 0.2 / - 0.3	+ 0.3 / - 0.4

CIE Pub.117, 29.47 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 5500K

UTILIZATION FACTORS TABLE

Test:U:23.997V I:0.2324A P:5.5769W PF:1.0000 Freq:50.00Hz Lamp Flux:29.4713x1 lm		
NAME: HCP-271912-5500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

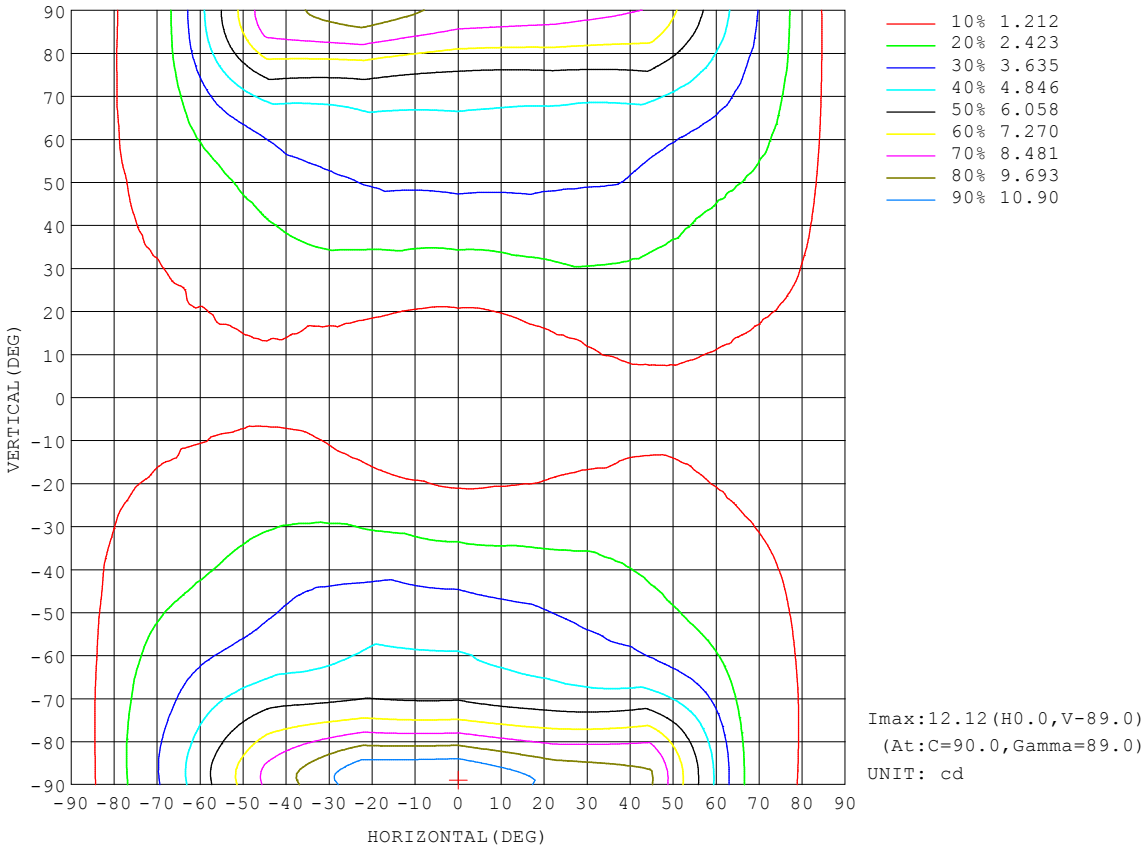
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	35	20	12	34	20	12	32	19	12	4
0.80	42	26	17	41	26	16	38	25	16	7
1.00	49	32	22	47	31	21	43	33	20	11
1.25	55	38	27	53	37	26	48	35	25	14
1.50	60	43	31	57	42	31	52	39	29	17
2.00	68	52	39	65	50	38	58	46	36	22
2.50	73	58	46	70	55	44	63	51	41	26
3.00	78	63	51	74	60	49	66	55	46	30
4.00	83	70	59	79	67	57	71	61	52	36
5.00	87	76	65	83	72	63	74	65	57	40
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 5500K

ISOCANDELA DIAGRAM

Test:U:23.997V I:0.2324A P:5.5769W PF:1.0000 Freq:50.00Hz Lamp Flux:29.4713x1 lm		
NAME: HCP-271912-5500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

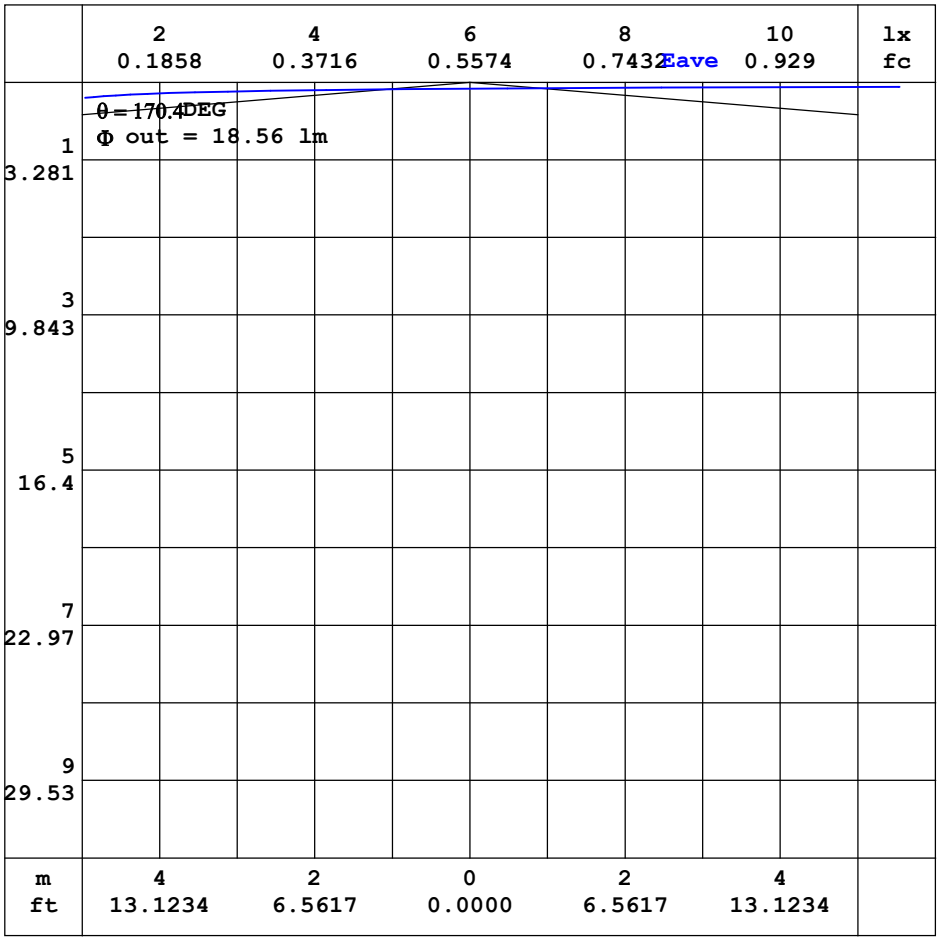


C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271912-Front Cover 5500K

AAI CURVES

Test:U:23.997V I:0.2324A P:5.5769W PF:1.0000 Freq:50.00Hz Lamp Flux:29.4713x1 lm		
NAME: HCP-271912-5500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:



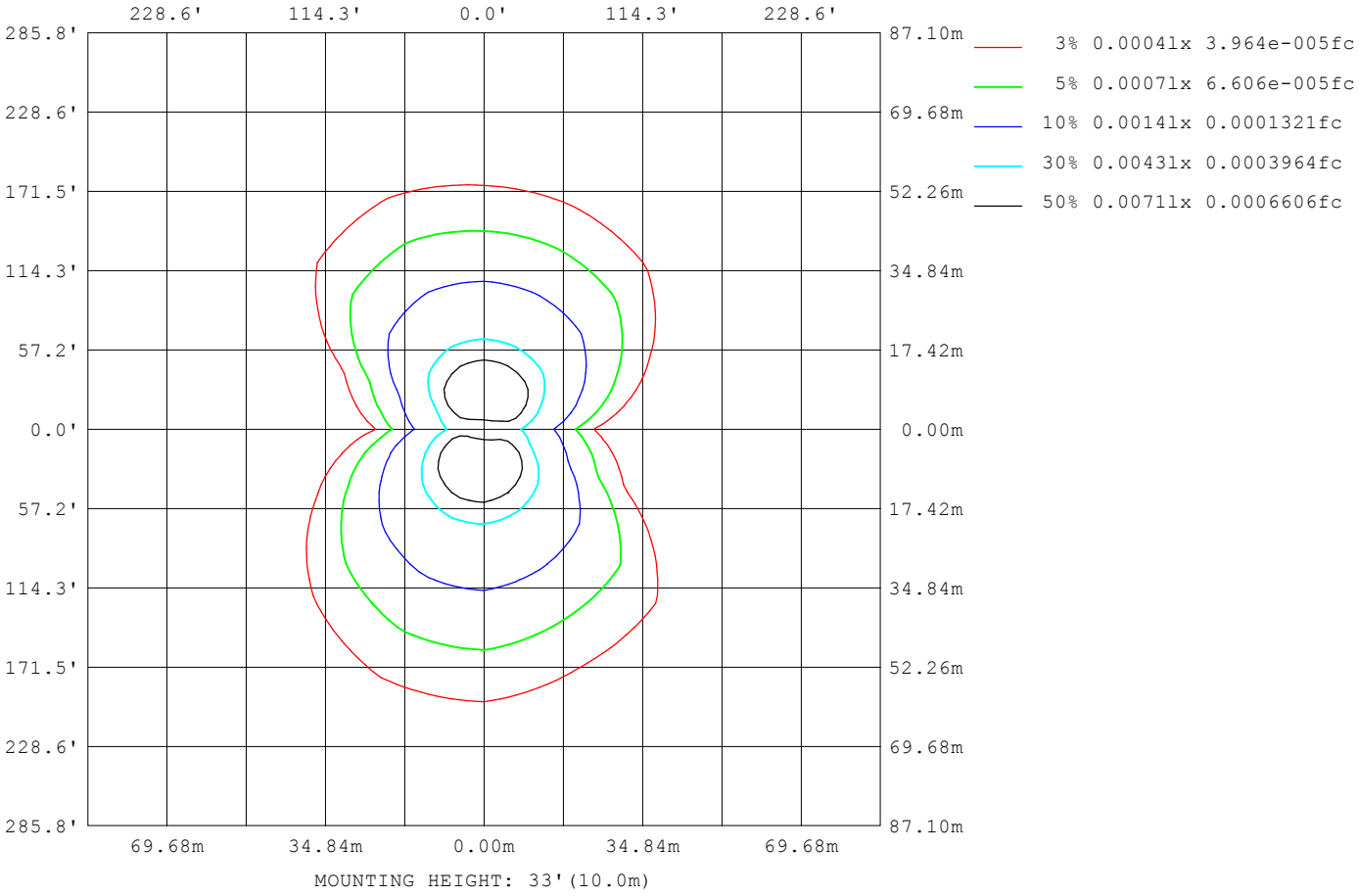
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 5500K

ISOLUX DIAGRAM

Test:U:23.997V I:0.2324A P:5.5769W PF:1.0000 Freq:50.00Hz Lamp Flux:29.4713x1 lm		
NAME: HCP-271912-5500K	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 5500K

LED Avg.L Report

Test:U:23.997V I:0.2324A P:5.5769W PF:1.0000 Freq:50.00Hz Lamp Flux:29.4713x1 lm		
NAME: HCP-271912-5500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

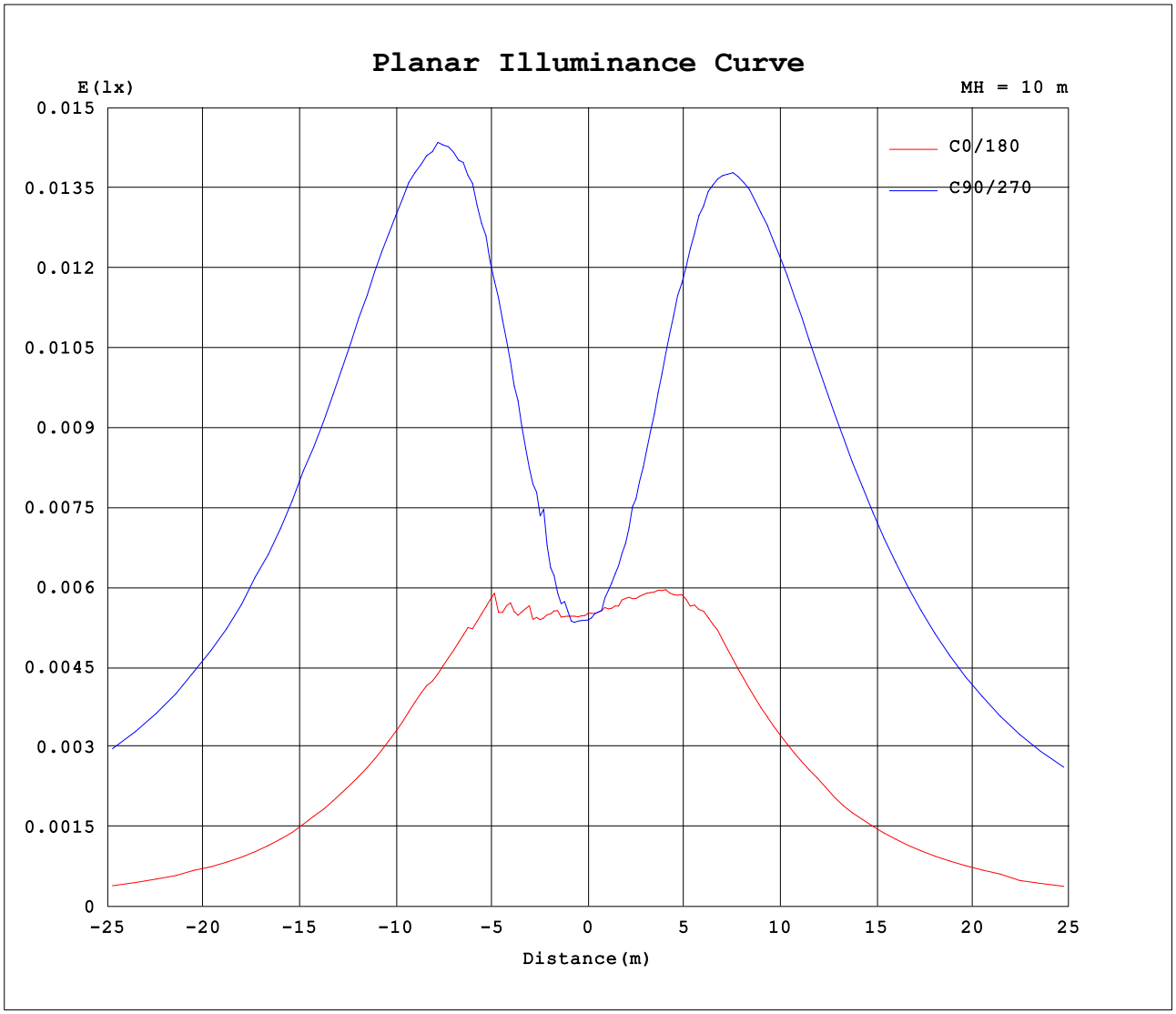
AvgL	cd/m2
L_0~180(65)av	19
L_0~180(75)av	26
L_0~180(85)av	54
L_90~270(65)av	119
L_90~270(75)av	256
L_90~270(85)av	1124
L_45(65)av	91
L_45(75)av	202
L_45(85)av	946

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 5500K

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 5500K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.997V I:0.2324A P:5.5769W PF:1.0000 Freq:50.00Hz Lamp Flux:29.4713x1 lm		
NAME: HCP-271912-5500K	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	0.55	0.54	0.54	0.54	0.54	0.53	0.54	0.54	0.55	0.54	0.54	0.54	0.54	0.53	0.54	0.54			
5	0.55	0.56	0.56	0.57	0.54	0.56	0.56	0.55	0.57	0.55	0.57	0.54	0.59	0.54	0.57	0.53			
10	0.58	0.61	0.59	0.66	0.65	0.67	0.60	0.61	0.60	0.58	0.64	0.65	0.70	0.65	0.66	0.59			
15	0.60	0.66	0.72	0.82	0.86	0.86	0.80	0.69	0.65	0.65	0.76	0.81	0.89	0.85	0.81	0.66			
20	0.66	0.76	0.87	1.09	1.15	1.15	0.99	0.81	0.72	0.73	0.93	1.08	1.16	1.12	1.01	0.81			
25	0.74	0.86	1.13	1.40	1.54	1.53	1.28	0.99	0.79	0.86	1.18	1.42	1.54	1.48	1.30	0.96			
30	0.83	1.00	1.41	1.81	2.03	2.02	1.67	1.20	0.86	1.00	1.48	1.83	2.00	1.91	1.66	1.16			
35	0.88	1.14	1.71	2.28	2.58	2.58	2.11	1.43	0.91	1.15	1.81	2.30	2.50	2.40	2.06	1.41			
40	0.92	1.28	2.04	2.74	3.14	3.13	2.54	1.64	0.91	1.28	2.17	2.78	3.00	2.87	2.45	1.58			
45	0.93	1.38	2.39	3.19	3.67	3.68	2.95	1.85	0.91	1.38	2.50	3.22	3.45	3.30	2.81	1.76			
50	0.92	1.47	2.68	3.61	4.17	4.15	3.36	2.02	0.91	1.46	2.83	3.63	3.84	3.67	3.15	1.90			
55	0.90	1.52	2.95	3.97	4.57	4.56	3.65	2.17	0.87	1.50	3.11	3.94	4.17	3.98	3.44	2.04			
60	0.83	1.56	3.23	4.29	4.95	4.89	3.91	2.28	0.84	1.57	3.36	4.26	4.45	4.24	3.70	2.20			
65	0.78	1.62	3.54	4.66	5.31	5.23	4.19	2.40	0.82	1.64	3.65	4.60	4.75	4.51	3.95	2.27			
70	0.73	1.69	4.12	5.24	5.98	5.83	4.68	2.58	0.73	1.70	4.11	5.09	5.17	4.95	4.32	2.46			
75	0.68	1.82	5.26	6.32	7.32	7.04	5.54	2.90	0.65	1.84	5.06	6.05	5.91	5.66	5.01	2.78			
80	0.60	1.98	7.18	8.01	9.32	9.02	6.81	3.34	0.59	2.00	6.59	7.56	7.02	6.77	6.10	3.22			
85	0.49	2.10	9.13	9.77	11.3	11.0	8.13	3.79	0.45	2.18	8.34	9.32	8.33	8.04	7.38	3.65			
90	0.32	2.07	9.76	10.6	12.0	11.6	8.60	3.93	0.29	2.17	9.19	10.4	9.32	9.00	8.43	4.00			
95	0.19	1.76	7.82	8.99	10.1	9.69	7.22	3.36	0.14	1.84	7.77	8.85	8.15	7.80	7.44	3.53			
100	0.07	1.13	4.78	5.94	6.71	6.43	4.75	2.18	0.03	1.13	4.88	5.76	5.32	4.98	4.92	2.30			
105	0.01	0.24	1.50	2.02	1.79	1.65	1.02	0.44	0.00	0.25	1.52	1.70	1.56	1.26	1.49	0.62			
110	0.00	0.00	0.07	0.08	0.08	0.04	0.04	0.00	0.00	0.00	0.04	0.08	0.04	0.06	0.03	0.01			
115	0.00	0.00	0.02	0.04	0.04	0.02	0.03	0.00	0.00	0.00	0.01	0.04	0.04	0.05	0.02	0.00			
120	0.00	0.00	0.01	0.01	0.03	0.01	0.02	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.00	0.00			
125	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.03	0.03	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	0.02	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	0.00	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
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