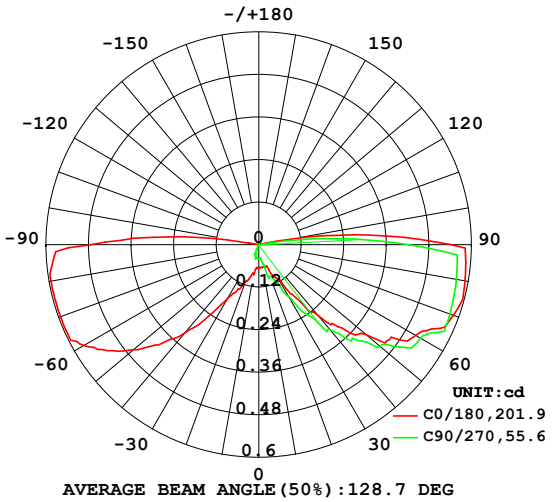
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.997V I:0.1120A P:2.6877W PF:1.0000 Freq:50.00Hz Lamp Flux:2.30884x1 lm		
NAME: HCP-271105 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

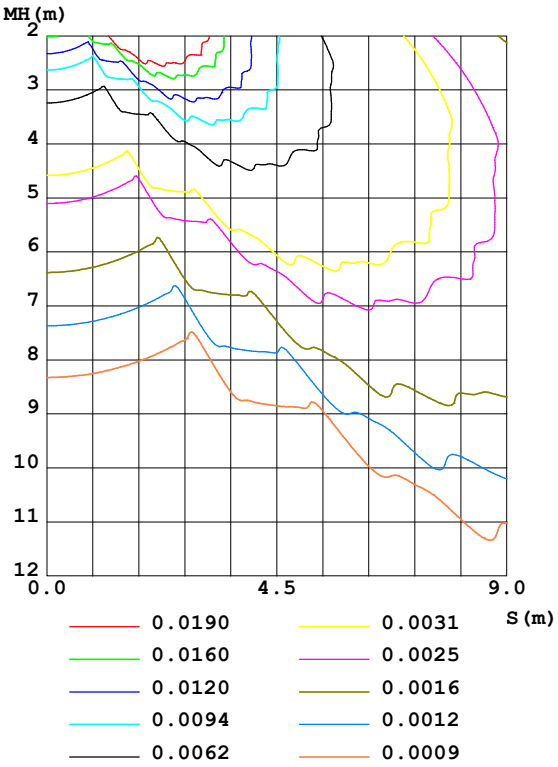
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 0.86 lm/W
MODEL	HCP-271105 3000K	Imax(cd)	0.6731	S/MH(C0/180)	4.49
NOMINAL POWER(W)	2.5W	LOR(%)	100.0	S/MH(C90/270)	0.71
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	2.3088	η UP,DN(C0-180)	4.9,61.0
NOMINAL FLUX(lm)	2.30884	CIE CLASS	DIRECT	η UP,DN(C180-360)	3.5,30.5
LAMPS INSIDE	1	η up(%)	8.5	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	23.997	η down(%)	91.5	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):128.7 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:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271105 3000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	0.0651	0.0651	0.0477	0.0608	0.0868	0.0651	0.0391	0.0608	0- 10	0.0063	0.0063	0.27,0.27
20	0.0651	0.0999	0.0955	0.1085	0.1130	0.0739	0.0261	0.0651	10- 20	0.0219	0.0282	1.22,1.22
30	0.1139	0.1475	0.1693	0.1553	0.1739	0.0956	0.0043	0.0825	20- 30	0.0482	0.0764	3.31,3.31
40	0.2604	0.2690	0.3127	0.2992	0.3259	0.1651	0	0.1303	30- 40	0.1089	0.1852	8.02,8.02
50	0.3951	0.4387	0.4473	0.4429	0.4605	0.2563	0	0.2042	40- 50	0.2174	0.4026	17.4,17.4
60	0.5124	0.5820	0.5280	0.5863	0.5690	0.3345	0	0.2737	50- 60	0.3394	0.7420	32.1,32.1
70	0.5841	0.6658	0.5736	0.6451	0.5951	0.3795	0	0.3011	60- 70	0.4359	1.178	51,51
80	0.5907	0.6632	0.5658	0.6387	0.5950	0.3849	0	0.2999	70- 80	0.4775	1.655	71.7,71.7
90	0.5433	0.4958	0.4218	0.4610	0.4730	0.3169	0	0.2431	80- 90	0.4576	2.113	91.5,91.5
100	0.0917	0.0133	0.0177	0.0088	0.0303	0.0258	0	0.0043	90-100	0.1921	2.305	99.8,99.8
110	0	0	0	0	0	0	0	0	100-110	0.0038	2.309	100,100
120	0	0	0	0	0	0	0	0	110-120	0	2.309	100,100
130	0	0	0	0	0	0	0	0	120-130	0	2.309	100,100
140	0	0	0	0	0	0	0	0	130-140	0	2.309	100,100
150	0	0	0	0	0	0	0	0	140-150	0	2.309	100,100
160	0	0	0	0	0	0	0	0	150-160	0	2.309	100,100
170	0	0	0	0	0	0	0	0	160-170	0	2.309	100,100
180	0	0	0	0	0	0	0	0	170-180	0	2.309	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:2023-12-14

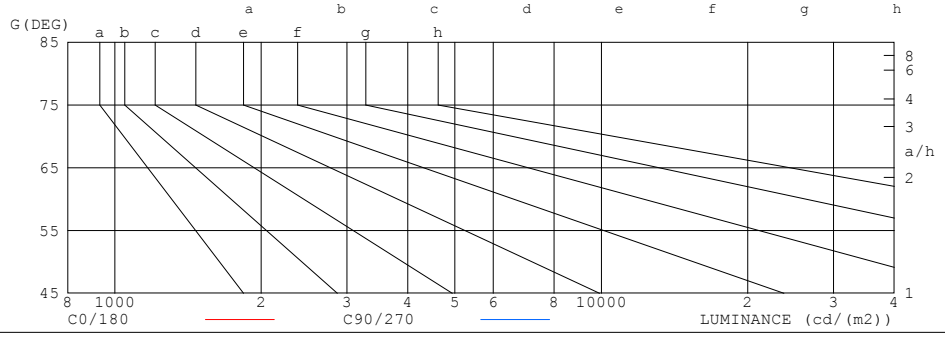
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271105 3000K

LUMINANCE LIMITATION CURVES

Test:U:23.997V I:0.1120A P:2.6877W PF:1.0000 Freq:50.00Hz Lamp Flux:2.30884x1 lm		
NAME: HCP-271105 3000K	**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	67	64
80	34	33
75	23	22
70	17	17
65	13	14
60	10	11
55	8	9
50	6	7
45	5	5

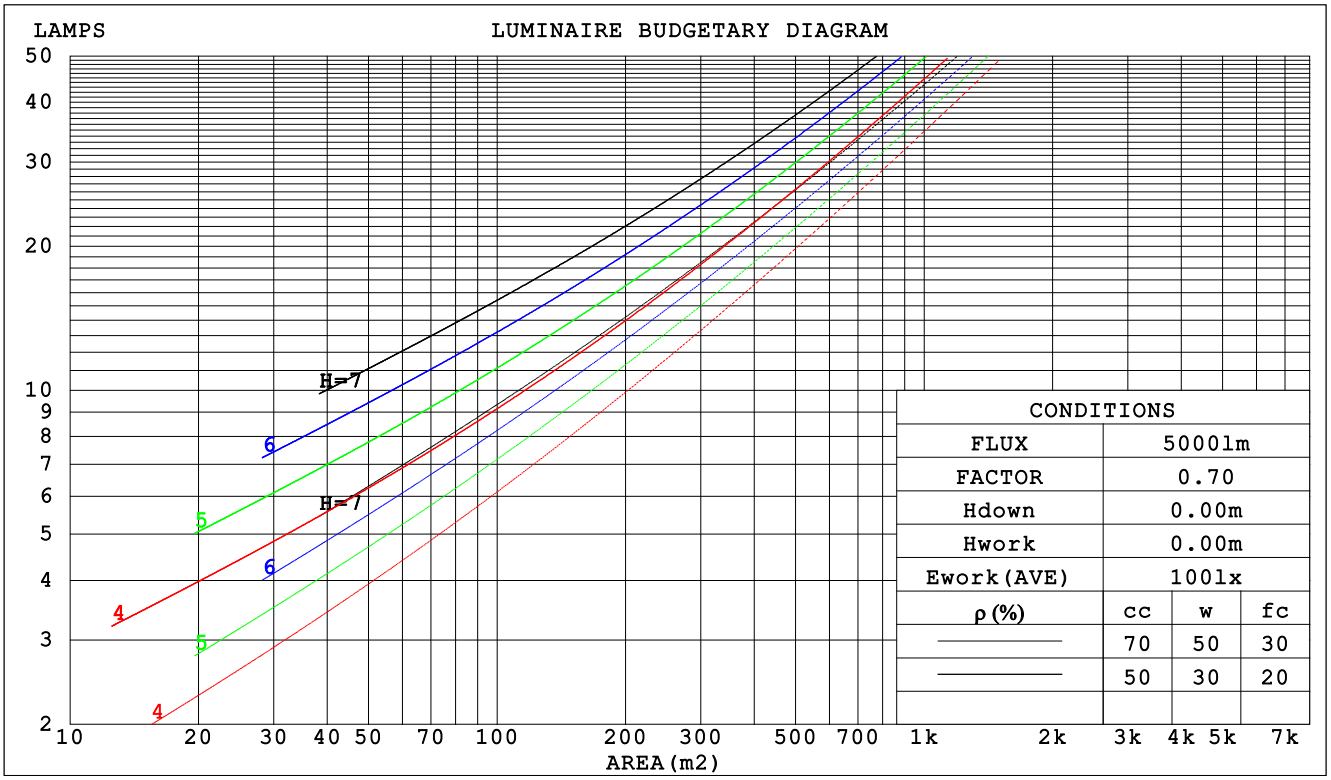
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271105 3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.1120A P:2.6877W PF:1.0000 Freq:50.00Hz Lamp Flux:2.30884x1 lm		
NAME: HCP-271105 3000K	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	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	1.00	1.00	1.00	.94	.94	.94	.92
1.0	.87	.79	.71	.84	.76	.69	.77	.71	.65	.72	.66	.62	.66	.62	.58	.55
2.0	.70	.59	.49	.67	.57	.48	.61	.53	.45	.56	.49	.43	.52	.46	.40	.37
3.0	.58	.45	.36	.55	.44	.35	.50	.41	.33	.46	.38	.31	.42	.35	.29	.26
4.0	.49	.37	.27	.47	.35	.26	.43	.33	.25	.39	.30	.24	.36	.28	.22	.19
5.0	.42	.30	.21	.40	.29	.21	.37	.27	.20	.34	.25	.19	.31	.23	.17	.14
6.0	.37	.25	.17	.35	.25	.17	.32	.23	.16	.30	.21	.15	.27	.20	.14	.11
7.0	.33	.22	.14	.31	.21	.14	.29	.20	.13	.26	.18	.12	.24	.17	.12	.09
8.0	.29	.19	.12	.28	.18	.12	.26	.17	.11	.24	.16	.10	.22	.15	.10	.07
9.0	.26	.17	.10	.25	.16	.10	.24	.15	.09	.22	.14	.09	.20	.13	.08	.06
10.0	.24	.15	.09	.23	.14	.09	.22	.14	.08	.20	.13	.08	.18	.12	.07	.05



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271105 3000K

WEC AND CCEC

Test:U:23.997V I:0.1120A P:2.6877W PF:1.0000 Freq:50.00Hz Lamp Flux:2.30884x1 lm		
NAME: HCP-271105 3000K	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	.583	.332	.106	.563	.323	.103	.545	.315	.101	.529	.307	.099	
2.0	.471	.258	.079	.462	.254	.078	.444	.247	.077	.428	.240	.075	.413	.233	.074	
3.0	.397	.211	.063	.388	.208	.063	.372	.202	.061	.357	.196	.060	.343	.190	.059	
4.0	.343	.178	.052	.335	.176	.052	.321	.170	.051	.308	.165	.050	.295	.160	.049	
5.0	.302	.154	.045	.296	.152	.044	.283	.147	.043	.271	.143	.042	.259	.139	.042	
6.0	.270	.135	.039	.264	.133	.038	.253	.129	.038	.242	.126	.037	.231	.122	.036	
7.0	.244	.121	.034	.239	.119	.034	.228	.115	.033	.218	.112	.033	.209	.109	.032	
8.0	.223	.109	.031	.218	.107	.030	.208	.104	.030	.199	.101	.029	.191	.098	.029	
9.0	.205	.099	.028	.200	.098	.027	.192	.095	.027	.184	.092	.026	.176	.089	.026	
10.0	.189	.091	.025	.185	.090	.025	.178	.087	.024	.170	.084	.024	.163	.082	.024	

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	.255	.255	.255	.218	.218	.218	.149	.149	.149	.085	.085	.085	.027	.027	.027	
1.0	.265	.219	.177	.227	.188	.152	.155	.129	.105	.089	.075	.061	.029	.024	.020	
2.0	.262	.197	.142	.224	.169	.123	.154	.117	.086	.089	.068	.050	.028	.022	.016	
3.0	.255	.181	.122	.218	.156	.106	.150	.109	.074	.087	.063	.044	.028	.021	.014	
4.0	.246	.169	.111	.211	.146	.096	.145	.102	.068	.084	.060	.040	.027	.019	.013	
5.0	.237	.160	.103	.204	.138	.090	.140	.097	.063	.081	.057	.038	.026	.019	.012	
6.0	.228	.152	.098	.196	.132	.085	.135	.092	.060	.078	.054	.036	.025	.018	.012	
7.0	.219	.146	.094	.189	.126	.082	.130	.088	.058	.076	.052	.034	.024	.017	.011	
8.0	.211	.140	.091	.182	.121	.079	.126	.085	.056	.073	.050	.034	.024	.016	.011	
9.0	.204	.135	.089	.175	.117	.077	.122	.082	.055	.071	.049	.033	.023	.016	.011	
10.0	.197	.131	.087	.169	.113	.076	.118	.080	.054	.069	.047	.032	.022	.016	.011	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271105 3000K

UGR(Unified Glare Rating) Table

Test:U:23.997V I:0.1120A P:2.6877W PF:1.0000 Freq:50.00Hz Lamp Flux:2.30884x1 lm		
NAME: HCP-271105 3000K	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	18.6	20.5	19.0	20.9	21.3	18.8	20.7	19.2	21.1	21.5
3H	22.3	24.1	22.7	24.5	25.0	22.4	24.2	22.8	24.6	25.1
4H	24.3	26.0	24.8	26.4	26.9	24.3	26.0	24.7	26.4	26.9
6H	26.4	28.1	26.9	28.5	29.0	26.3	27.9	26.8	28.4	28.9
8H	27.6	29.2	28.1	29.7	30.2	27.4	29.0	27.9	29.5	30.0
12H	28.9	30.4	29.4	30.9	31.5	28.7	30.2	29.2	30.7	31.3
4H 2H	20.1	21.8	20.5	22.2	22.7	20.2	21.9	20.7	22.4	22.9
3H	23.7	25.3	24.2	25.8	26.3	23.8	25.4	24.3	25.9	26.4
4H	25.8	27.2	26.3	27.7	28.3	25.8	27.2	26.3	27.7	28.3
6H	28.0	29.3	28.6	29.9	30.5	27.9	29.2	28.5	29.8	30.4
8H	29.2	30.5	29.8	31.0	31.6	29.1	30.3	29.6	30.9	31.5
12H	30.6	31.8	31.2	32.3	33.0	30.4	31.6	31.0	32.1	32.8
8H 4H	26.7	28.0	27.3	28.5	29.1	26.7	28.0	27.3	28.5	29.1
6H	29.2	30.3	29.8	30.9	31.5	29.1	30.2	29.7	30.8	31.4
8H	30.6	31.6	31.1	32.1	32.8	30.4	31.4	31.0	32.0	32.6
12H	32.1	33.0	32.7	33.6	34.3	31.9	32.8	32.5	33.4	34.1
12H 4H	27.0	28.1	27.5	28.7	29.3	27.0	28.2	27.5	28.7	29.3
6H	29.6	30.6	30.2	31.2	31.8	29.5	30.5	30.1	31.1	31.8
8H	31.1	32.0	31.7	32.6	33.3	30.9	31.8	31.5	32.4	33.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 2.309 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -21.1)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271105 3000K

UTILIZATION FACTORS TABLE

Test:U:23.997V I:0.1120A P:2.6877W PF:1.0000 Freq:50.00Hz Lamp Flux:2.30884x1 lm		
NAME: HCP-271105 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

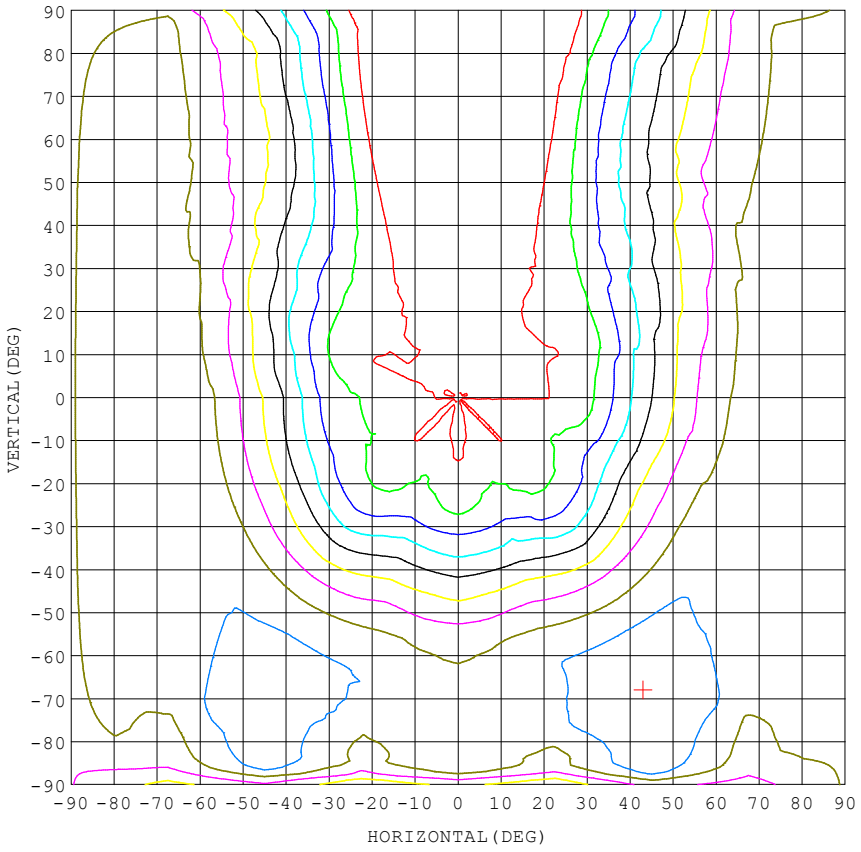
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	37	22	13	36	22	13	35	21	13	5
0.80	45	29	19	44	29	19	41	28	19	9
1.00	52	36	25	51	35	25	48	38	24	14
1.25	59	43	32	57	42	31	54	40	30	20
1.50	65	49	37	63	48	37	58	45	36	24
2.00	74	58	47	71	57	46	66	54	44	32
2.50	79	65	54	76	63	53	71	60	51	38
3.00	84	71	60	81	69	59	75	65	56	43
4.00	90	78	69	87	76	67	81	72	64	51
5.00	94	84	75	91	81	73	84	77	70	56
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:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271105 3000K

ISOCANDELA DIAGRAM

Test:U:23.997V I:0.1120A P:2.6877W PF:1.0000 Freq:50.00Hz Lamp Flux:2.30884x1 lm		
NAME: HCP-271105 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:



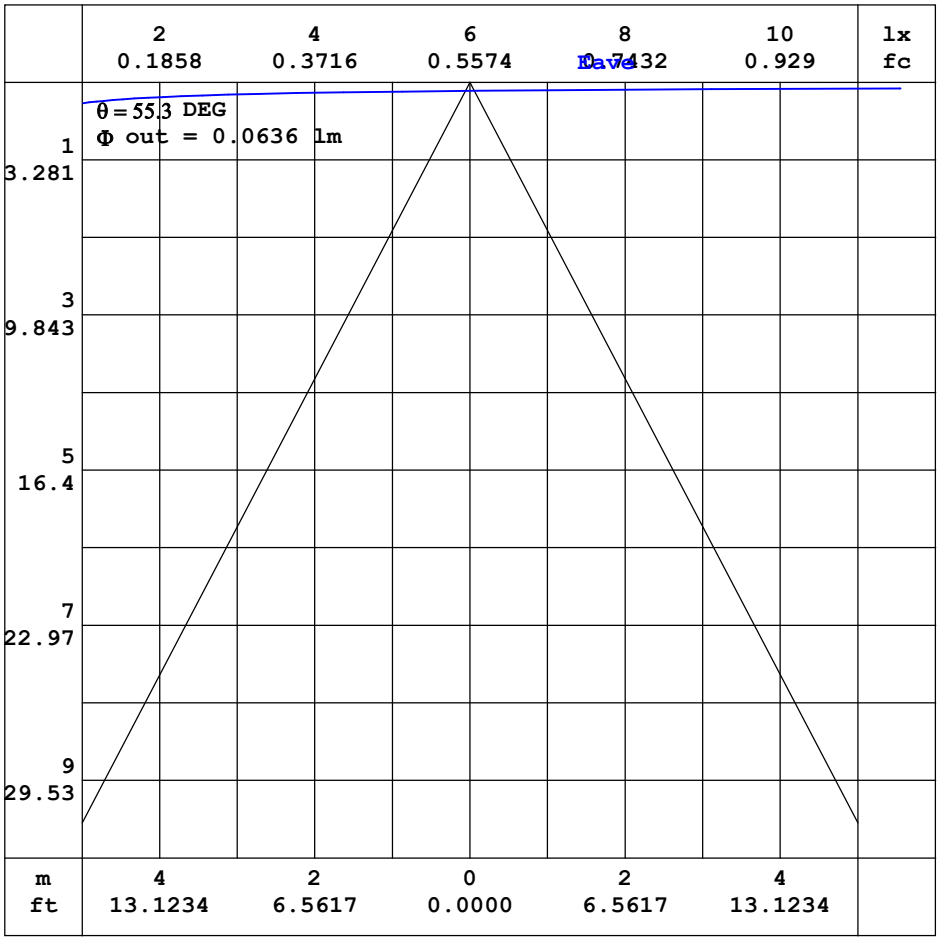
Imax:0.6721(H43.0,V-68.0)
(At:C=45.0,Gamma=74.0)
UNIT: cd

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271105 3000K

AAI CURVES

Test:U:23.997V I:0.1120A P:2.6877W PF:1.0000 Freq:50.00Hz Lamp Flux:2.30884x1 lm		
NAME: HCP-271105 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:



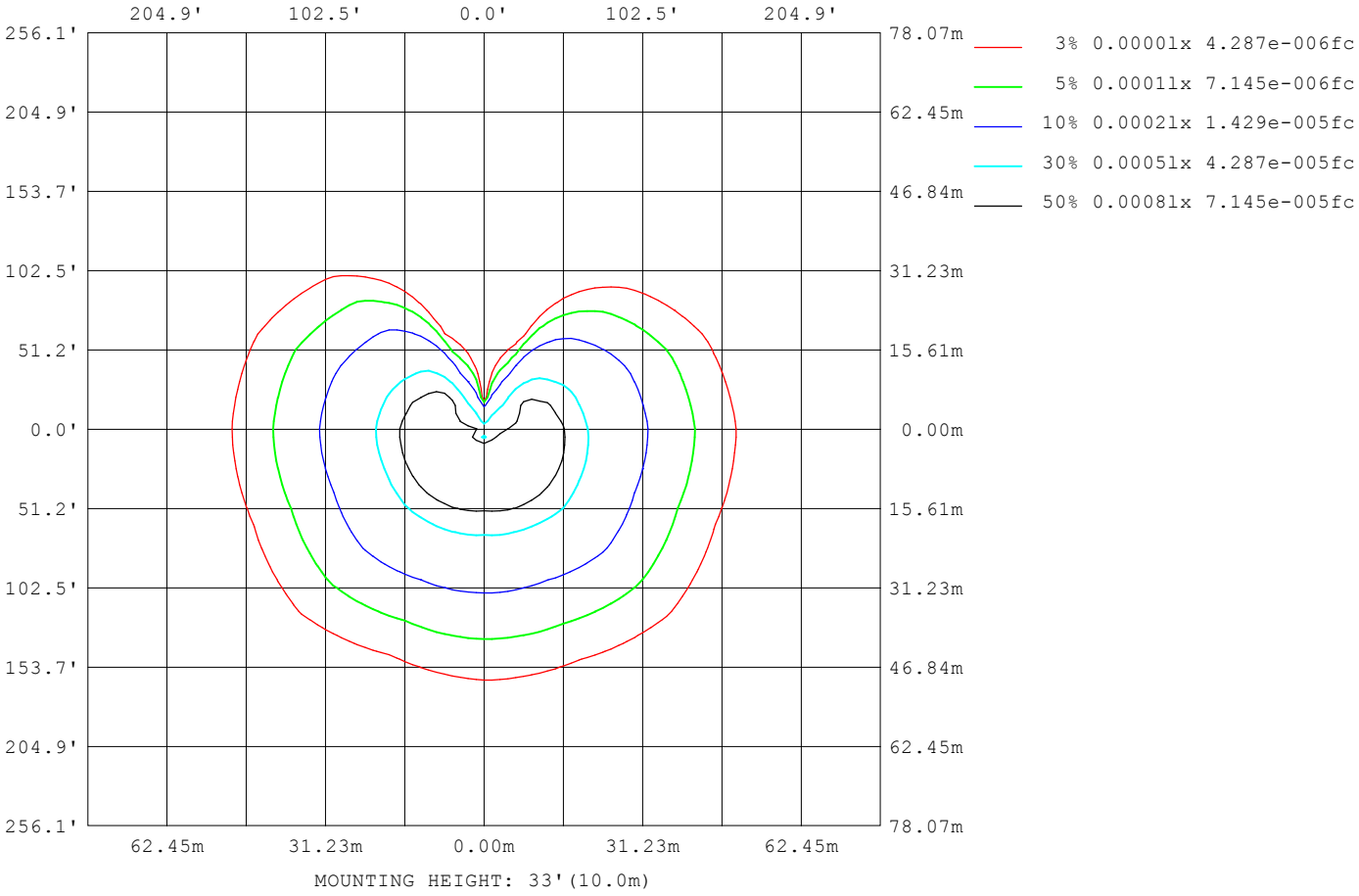
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271105 3000K

ISOLUX DIAGRAM

Test:U:23.997V I:0.1120A P:2.6877W PF:1.0000 Freq:50.00Hz Lamp Flux:2.30884x1 lm		
NAME: HCP-271105 3000K	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:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271105 3000K

LED Avg.L Report

Test:U:23.997V I:0.1120A P:2.6877W PF:1.0000 Freq:50.00Hz Lamp Flux:2.30884x1 lm		
NAME: HCP-271105 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

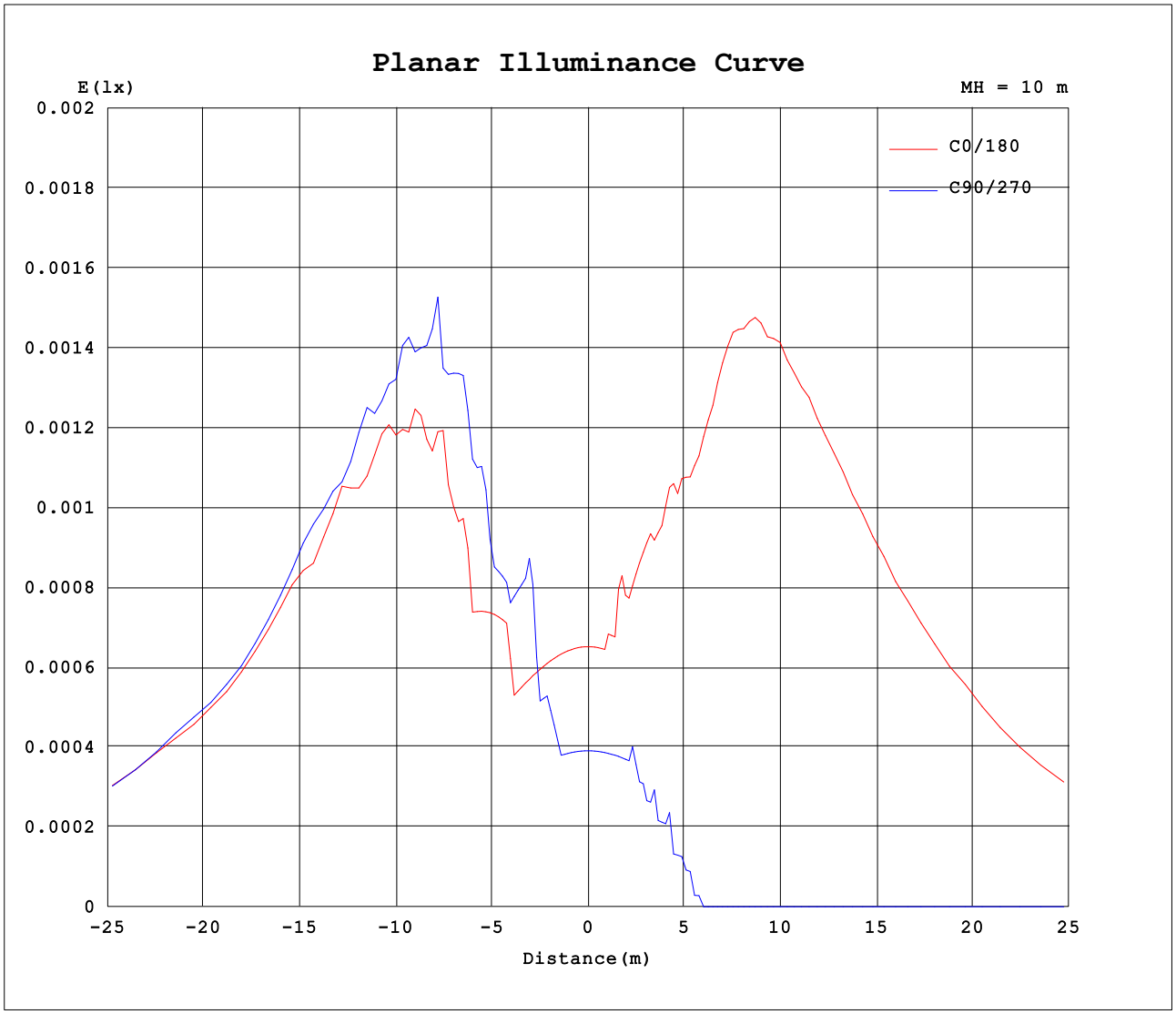
AvgL	cd/m2
L_0~180(65)av	14
L_0~180(75)av	23
L_0~180(85)av	67
L_90~270(65)av	7
L_90~270(75)av	11
L_90~270(85)av	32
L_45(65)av	11
L_45(75)av	19
L_45(85)av	56

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271105 3000K

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271105 3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.997V I:0.1120A P:2.6877W PF:1.0000 Freq:50.00Hz Lamp Flux:2.30884x1 lm		
NAME: HCP-271105 3000K	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	0.07	0.07	0.07	0.07	0.04	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.04	0.07	0.06	0.07			
5	0.07	0.07	0.07	0.08	0.04	0.08	0.06	0.07	0.07	0.07	0.07	0.06	0.04	0.06	0.06	0.07			
10	0.07	0.09	0.07	0.09	0.05	0.10	0.06	0.09	0.09	0.07	0.07	0.06	0.04	0.06	0.06	0.07			
15	0.07	0.10	0.07	0.11	0.07	0.11	0.07	0.10	0.10	0.07	0.07	0.06	0.03	0.05	0.07	0.07			
20	0.07	0.12	0.10	0.13	0.10	0.14	0.11	0.12	0.11	0.07	0.07	0.05	0.03	0.05	0.07	0.07			
25	0.10	0.14	0.10	0.16	0.11	0.16	0.11	0.15	0.14	0.10	0.09	0.05	0.02	0.05	0.08	0.07			
30	0.11	0.17	0.15	0.20	0.17	0.20	0.16	0.18	0.17	0.10	0.10	0.05	0.00	0.05	0.08	0.09			
35	0.18	0.23	0.19	0.27	0.24	0.27	0.21	0.25	0.25	0.16	0.13	0.05	0.00	0.04	0.10	0.12			
40	0.26	0.31	0.27	0.33	0.31	0.34	0.30	0.31	0.33	0.23	0.17	0.05	0.00	0.04	0.13	0.20			
45	0.33	0.38	0.37	0.41	0.37	0.41	0.37	0.40	0.40	0.30	0.21	0.05	0.00	0.04	0.17	0.26			
50	0.40	0.46	0.44	0.47	0.45	0.47	0.44	0.46	0.46	0.37	0.26	0.05	0.00	0.04	0.20	0.32			
55	0.46	0.52	0.52	0.53	0.51	0.53	0.52	0.53	0.52	0.42	0.30	0.05	0.00	0.04	0.24	0.38			
60	0.51	0.56	0.58	0.58	0.53	0.57	0.59	0.58	0.57	0.46	0.33	0.05	0.00	0.04	0.27	0.43			
65	0.56	0.58	0.65	0.60	0.58	0.59	0.62	0.58	0.60	0.52	0.37	0.05	0.00	0.04	0.29	0.46			
70	0.58	0.58	0.67	0.59	0.57	0.59	0.65	0.58	0.60	0.53	0.38	0.05	0.00	0.04	0.30	0.52			
75	0.60	0.58	0.67	0.59	0.57	0.58	0.64	0.58	0.60	0.54	0.38	0.05	0.00	0.04	0.30	0.52			
80	0.59	0.58	0.66	0.56	0.57	0.53	0.64	0.58	0.59	0.55	0.38	0.05	0.00	0.03	0.30	0.52			
85	0.59	0.53	0.65	0.50	0.56	0.52	0.64	0.52	0.58	0.54	0.38	0.05	0.00	0.01	0.27	0.51			
90	0.54	0.44	0.50	0.36	0.42	0.36	0.46	0.38	0.47	0.52	0.32	0.03	0.00	0.00	0.24	0.51			
95	0.31	0.23	0.21	0.15	0.20	0.15	0.19	0.16	0.26	0.30	0.16	0.01	0.00	0.00	0.12	0.30			
100	0.09	0.03	0.01	0.00	0.02	0.00	0.01	0.00	0.03	0.09	0.03	0.00	0.00	0.00	0.00	0.10			
105	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			
110	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			
115	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			
120	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			
125	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			
130	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			
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
C Interval: 22.5DEG
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