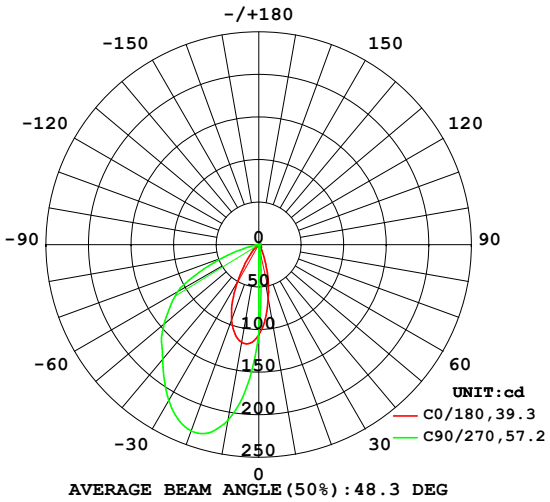
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.997V I:0.2196A P:5.2697W PF:1.0000 Freq:50.00Hz Lamp Flux:215.613x1 lm		
NAME: HCP-271916 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

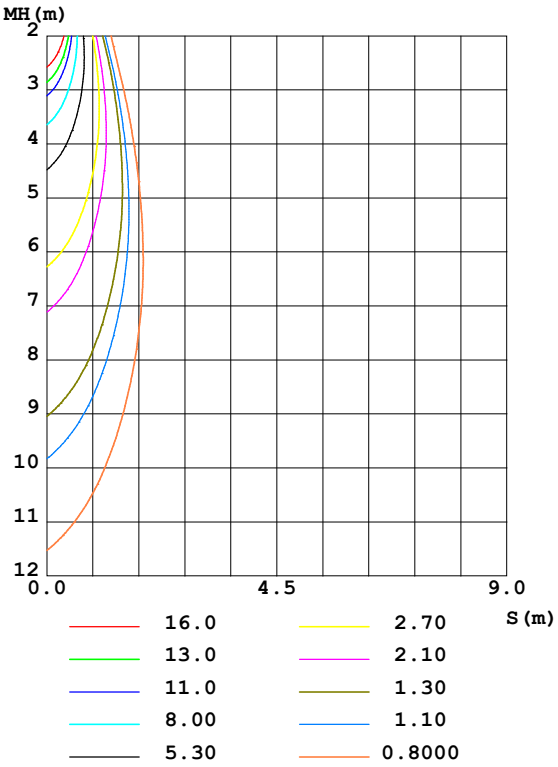
DATA OF LAMP		PHOTOMETRIC DATA Eff: 40.92 lm/W			
MODEL	HCP-271916 4000K	Imax(cd)	237.9	S/MH(C0/180)	0.87
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	1.98
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	215.61	η UP,DN(C0-180)	1.0,3.2
NOMINAL FLUX(lm)	215.613	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,95.7
LAMPS INSIDE	1	η up(%)	1.1	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	23.997	η down(%)	98.9	CIBSE SHR MAX	0.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):48.3 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:2025-12-03

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-271916 4000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	64.64	13.49	12.60	19.36	116.8	198.2	209.3	159.1	0- 10	9.537	9.537	4.42,4.42
20	24.43	3.245	2.187	8.460	93.67	225.3	233.0	159.1	10- 20	27.58	37.12	17.2,17.2
30	6.546	0.9955	0.7082	1.086	50.18	206.1	211.6	127.4	20- 30	39.17	76.28	35.4,35.4
40	3.152	0.6168	0.6255	0.6692	17.37	164.6	176.0	86.92	30- 40	41.04	117.3	54.4,54.4
50	1.552	0.5473	0.5647	0.5083	6.465	124.2	145.5	59.32	40- 50	37.64	155.0	71.9,71.9
60	0.6434	0.4517	0.4865	0.4301	3.307	85.35	109.5	36.61	50- 60	31.79	186.7	86.6,86.6
70	0.3173	0.3606	0.4214	0.3650	1.105	35.66	44.73	14.08	60- 70	20.40	207.1	96.1,96.1
80	0.1260	0.2174	0.3129	0.2174	0.1644	3.303	3.928	1.315	70- 80	5.834	213.0	98.8,98.8
90	0.0043	0.1433	0.1911	0.0738	0	0	0	0	80- 90	0.2349	213.2	98.9,98.9
100	0.0043	0.3122	0.3949	0.1474	0.0043	0	0	0	90-100	0.0876	213.3	98.9,98.9
110	0.0520	0.5210	0.7031	0.3040	0.0218	0	0	0	100-110	0.1705	213.5	99,99
120	0.1737	0.7946	1.016	0.5081	0.0652	0	0	0	110-120	0.2661	213.7	99.1,99.1
130	0.3774	1.050	1.333	0.7724	0.1435	0.0087	0	0.0218	120-130	0.3504	214.1	99.3,99.3
140	0.5599	1.238	1.554	0.9682	0.2999	0.0522	0.0131	0.0957	130-140	0.4082	214.5	99.5,99.5
150	0.7210	1.351	1.629	1.133	0.4867	0.1783	0.1088	0.2695	140-150	0.4154	214.9	99.7,99.7
160	0.8380	1.294	1.486	1.147	0.6777	0.4303	0.3478	0.5172	150-160	0.3614	215.3	99.8,99.8
170	0.9338	1.160	1.264	1.147	0.8514	0.7257	0.6824	0.7908	160-170	0.2502	215.5	100,100
180	0.9772	0.9902	1.021	1.021	0.9815	0.9555	1.016	1.021	170-180	0.0916	215.6	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:2025-12-03

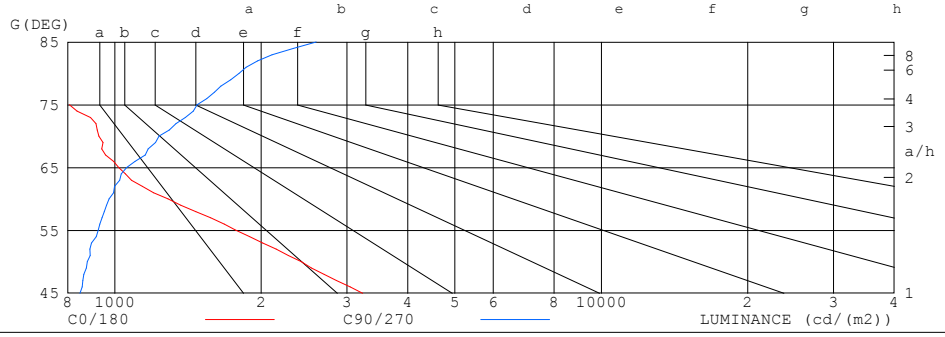
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271916 4000K

LUMINANCE LIMITATION CURVES

Test:U:23.997V I:0.2196A P:5.2697W PF:1.0000 Freq:50.00Hz Lamp Flux:215.613x1 lm		
NAME: HCP-271916 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	551	2594
80	726	1802
75	806	1477
70	928	1232
65	1018	1059
60	1287	973
55	1774	924
50	2414	879
45	3233	848

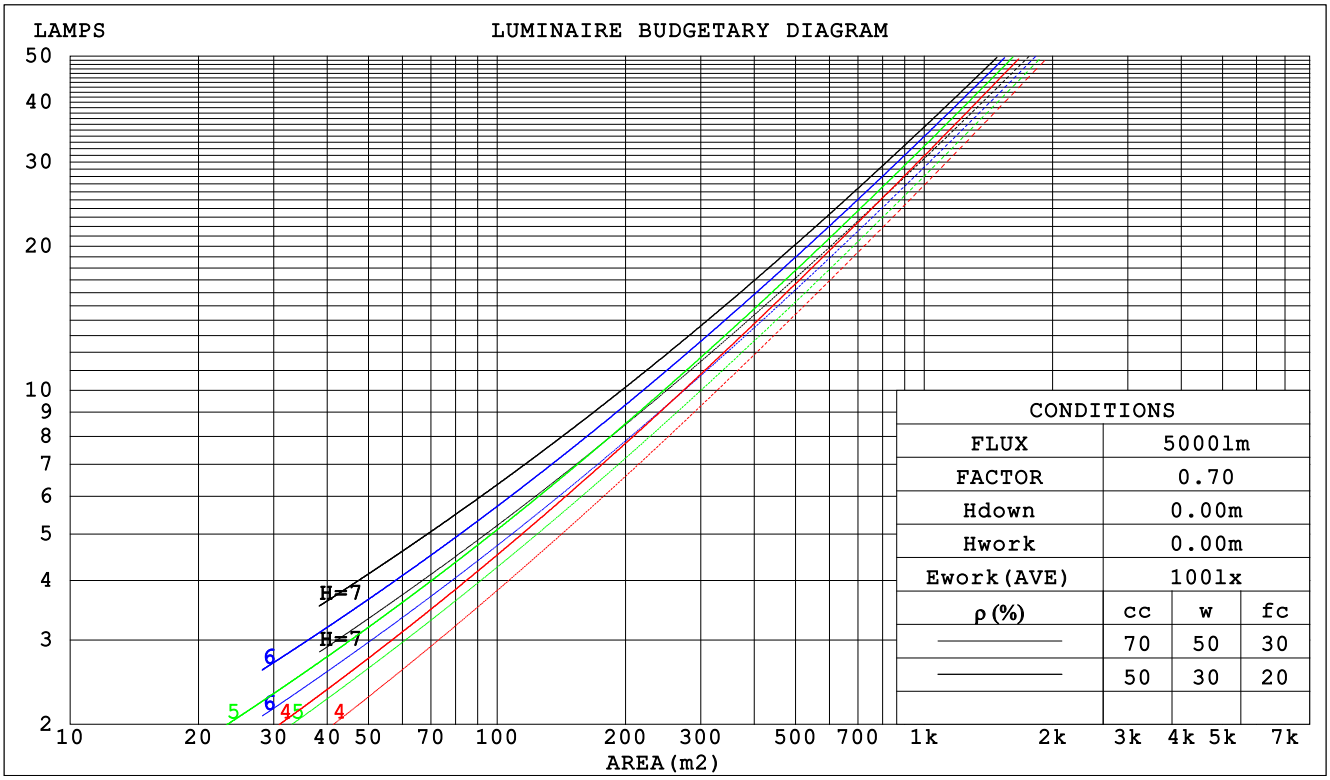
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-12-03

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-271916 4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.2196A P:5.2697W PF:1.0000 Freq:50.00Hz Lamp Flux:215.613x1 lm		
NAME: HCP-271916 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	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.06	1.03	.00	1.04	1.01	.98	.00	.97	.95	.96	.94	.92	.92	.90	.89	.87
2.0	.94	.89	.84	.93	.87	.83	.89	.84	.80	.86	.82	.79	.82	.79	.77	.75
3.0	.84	.77	.71	.83	.76	.70	.79	.74	.69	.77	.72	.68	.74	.70	.67	.64
4.0	.75	.67	.61	.74	.67	.61	.71	.65	.60	.69	.64	.59	.67	.62	.58	.56
5.0	.68	.60	.54	.67	.59	.53	.65	.58	.53	.63	.57	.52	.61	.56	.51	.49
6.0	.62	.53	.47	.61	.53	.47	.59	.52	.47	.57	.51	.46	.56	.50	.46	.44
7.0	.56	.48	.42	.55	.48	.42	.54	.47	.42	.52	.46	.42	.51	.45	.41	.39
8.0	.52	.44	.38	.51	.43	.38	.50	.43	.38	.48	.42	.38	.47	.41	.37	.35
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.34	.45	.39	.34	.44	.38	.34	.32
10.0	.44	.37	.32	.44	.36	.32	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-12-03

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-271916 4000K

WEC AND CCEC

Test:U:23.997V I:0.2196A P:5.2697W PF:1.0000 Freq:50.00Hz Lamp Flux:215.613x1 lm		
NAME: HCP-271916 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	.257	.146	.046	.249	.142	.045	.236	.135	.043	.223	.129	.041	.212	.123	.040	
2.0	.251	.137	.042	.244	.135	.041	.232	.129	.040	.221	.124	.039	.211	.119	.038	
3.0	.238	.126	.038	.232	.124	.037	.222	.120	.036	.212	.116	.036	.203	.112	.035	
4.0	.223	.116	.034	.218	.114	.034	.209	.111	.033	.200	.108	.032	.192	.104	.032	
5.0	.209	.107	.031	.205	.105	.031	.196	.102	.030	.189	.100	.030	.182	.097	.029	
6.0	.196	.098	.028	.192	.097	.028	.185	.095	.028	.178	.092	.027	.171	.090	.027	
7.0	.184	.091	.026	.180	.090	.026	.174	.088	.025	.168	.086	.025	.162	.084	.025	
8.0	.173	.085	.024	.170	.084	.024	.164	.082	.023	.158	.080	.023	.153	.079	.023	
9.0	.163	.079	.022	.160	.078	.022	.155	.077	.022	.150	.075	.021	.145	.074	.021	
10.0	.154	.074	.021	.152	.073	.020	.147	.072	.020	.142	.071	.020	.138	.069	.020	

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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.185	.165	.147	.158	.142	.127	.108	.098	.088	.062	.056	.051	.020	.018	.016	
2.0	.175	.141	.112	.150	.121	.096	.103	.084	.067	.059	.049	.039	.019	.016	.013	
3.0	.167	.123	.088	.143	.106	.076	.098	.074	.053	.057	.043	.031	.018	.014	.010	
4.0	.159	.109	.071	.137	.094	.062	.094	.066	.043	.054	.038	.026	.017	.013	.008	
5.0	.152	.098	.059	.130	.085	.051	.090	.060	.036	.052	.035	.022	.017	.011	.007	
6.0	.145	.090	.050	.125	.078	.044	.086	.055	.031	.050	.032	.018	.016	.010	.006	
7.0	.139	.083	.044	.119	.072	.038	.082	.050	.027	.048	.030	.016	.015	.010	.005	
8.0	.133	.077	.039	.114	.067	.034	.079	.047	.024	.046	.028	.014	.015	.009	.005	
9.0	.127	.072	.035	.109	.063	.031	.076	.044	.022	.044	.026	.013	.014	.009	.004	
10.0	.121	.068	.032	.105	.059	.028	.073	.042	.020	.042	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-12-03

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-271916 4000K

UGR(Unified Glare Rating) Table

Test:U:23.997V I:0.2196A P:5.2697W PF:1.0000 Freq:50.00Hz Lamp Flux:215.613x1 lm		
NAME: HCP-271916 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	5.0	6.4	5.3	6.6	6.8	2.9	4.2	3.2	4.5	4.7
	3H	5.9	7.2	6.2	7.4	7.7	5.5	6.7	5.8	7.0	7.2
	4H	6.4	7.6	6.7	7.8	8.1	6.9	8.1	7.2	8.4	8.6
	6H	6.7	7.8	7.0	8.1	8.4	8.3	9.4	8.6	9.7	10.0
	8H	6.8	7.8	7.1	8.1	8.4	8.9	10.0	9.3	10.3	10.6
	12H	6.8	7.8	7.2	8.1	8.5	9.6	10.6	9.9	10.9	11.2
4H	2H	5.3	6.5	5.7	6.8	7.1	3.6	4.8	4.0	5.1	5.4
	3H	6.5	7.5	6.8	7.8	8.1	6.5	7.5	6.8	7.8	8.1
	4H	7.0	8.0	7.4	8.3	8.6	8.0	9.0	8.4	9.3	9.6
	6H	7.4	8.3	7.9	8.6	9.0	9.5	10.4	10.0	10.7	11.1
	8H	7.6	8.4	8.0	8.7	9.1	10.3	11.0	10.7	11.4	11.8
	12H	7.7	8.4	8.1	8.8	9.2	11.0	11.7	11.5	12.1	12.5
8H	4H	7.6	8.3	8.0	8.7	9.1	8.4	9.2	8.8	9.6	10.0
	6H	8.1	8.8	8.6	9.2	9.6	10.1	10.8	10.6	11.2	11.6
	8H	8.3	8.9	8.8	9.3	9.8	11.0	11.5	11.5	12.0	12.4
	12H	8.5	9.0	9.0	9.4	9.9	11.9	12.4	12.4	12.9	13.4
12H	4H	7.7	8.4	8.1	8.8	9.2	8.4	9.1	8.9	9.5	9.9
	6H	8.4	8.9	8.9	9.4	9.9	10.2	10.8	10.7	11.2	11.7
	8H	8.7	9.1	9.2	9.6	10.1	11.2	11.6	11.7	12.1	12.6

Variations with the observer position at spacings:		
S = 1.0H	+ 1.7 / - 0.6	+ 0.1 / - 0.1
1.5H	+ 2.7 / - 1.1	+ 0.1 / - 0.2
2.0H	+ 3.4 / - 1.0	+ 0.1 / - 0.3

CIE Pub.117, 215.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.3)
Area: 0.001 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-12-03

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-271916 4000K

UTILIZATION FACTORS TABLE

Test:U:23.997V I:0.2196A P:5.2697W PF:1.0000 Freq:50.00Hz Lamp Flux:215.613x1 lm		
NAME: HCP-271916 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

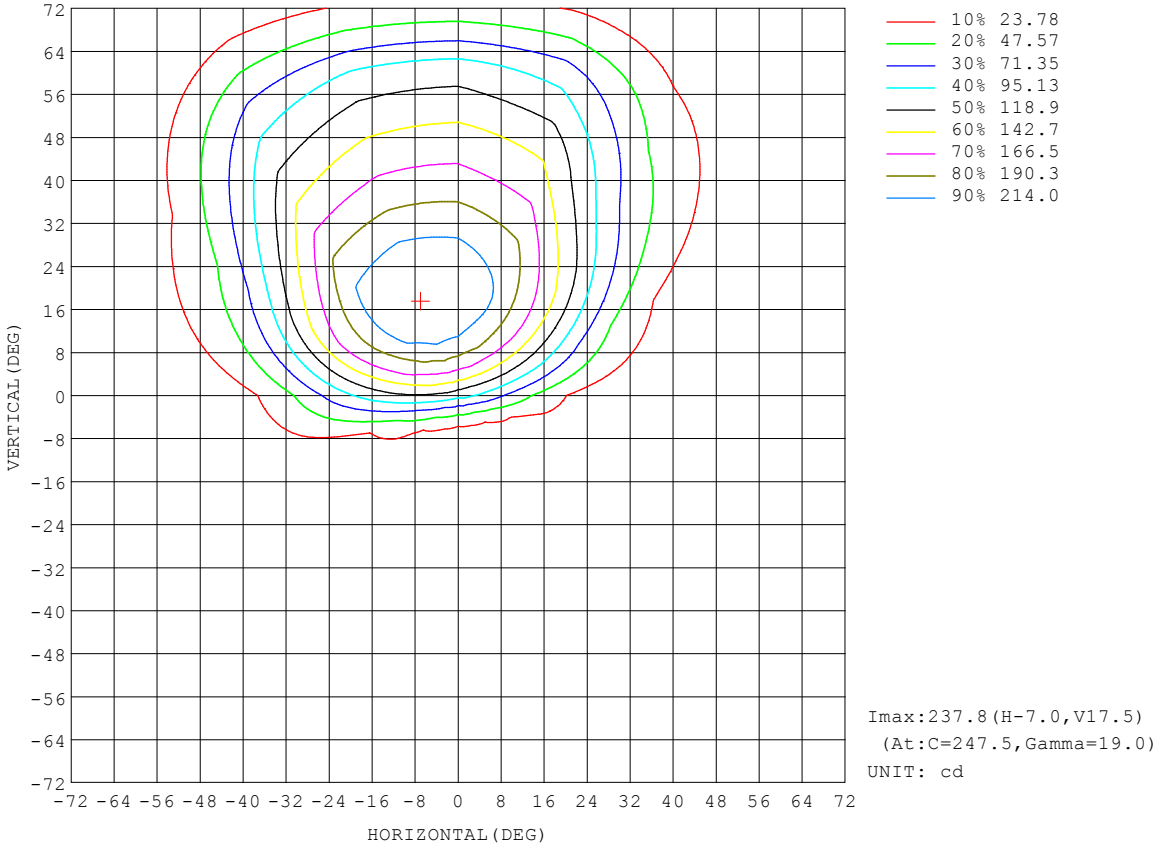
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	63	52	46	62	52	46	61	52	46	40
0.80	73	63	56	72	62	56	70	61	55	49
1.00	81	71	65	80	71	65	78	72	64	58
1.25	88	79	73	87	78	72	84	77	71	65
1.50	93	84	78	91	83	78	88	81	76	70
2.00	99	92	86	97	90	85	94	88	84	76
2.50	102	96	91	100	94	90	96	91	88	80
3.00	105	99	95	103	98	94	99	95	91	83
4.00	109	104	100	106	102	98	102	99	96	87
5.00	111	107	103	108	105	102	104	101	98	89
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:2025-12-03

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-271916 4000K

ISOCANDELA DIAGRAM

Test:U:23.997V I:0.2196A P:5.2697W PF:1.0000 Freq:50.00Hz Lamp Flux:215.613x1 lm		
NAME: HCP-271916 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

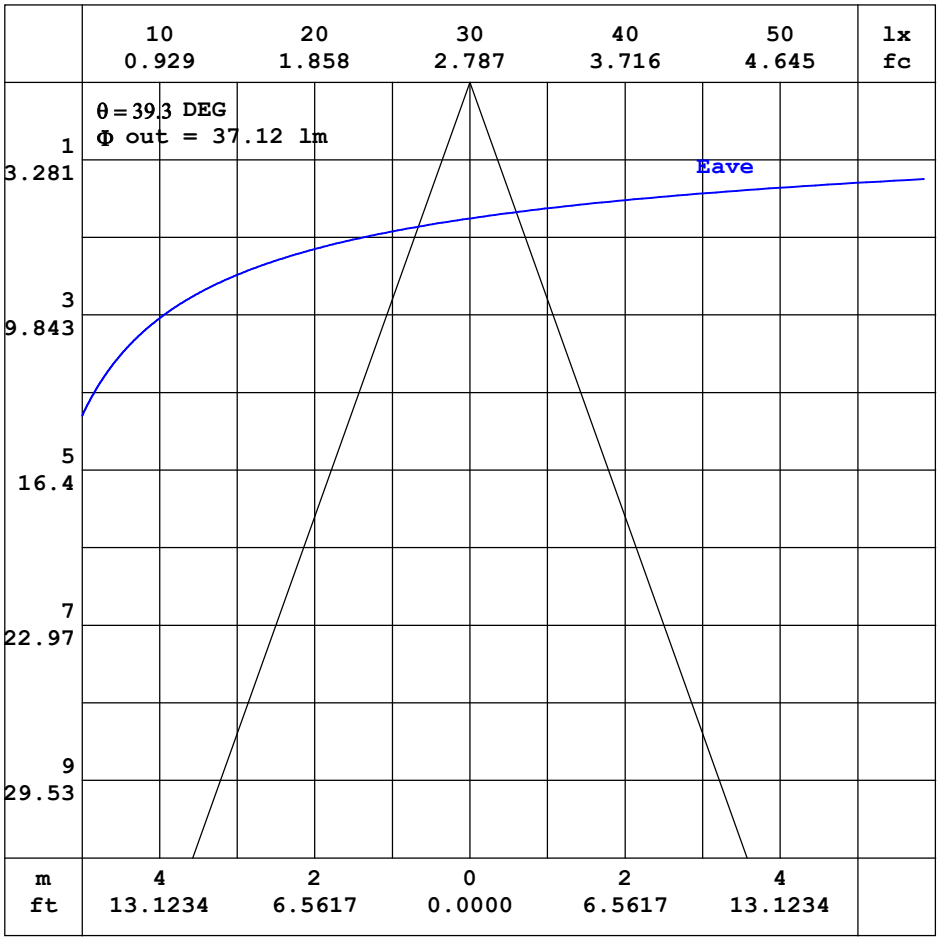


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271916 4000K

AAI CURVES

Test:U:23.997V I:0.2196A P:5.2697W PF:1.0000 Freq:50.00Hz Lamp Flux:215.613x1 lm		
NAME: HCP-271916 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:



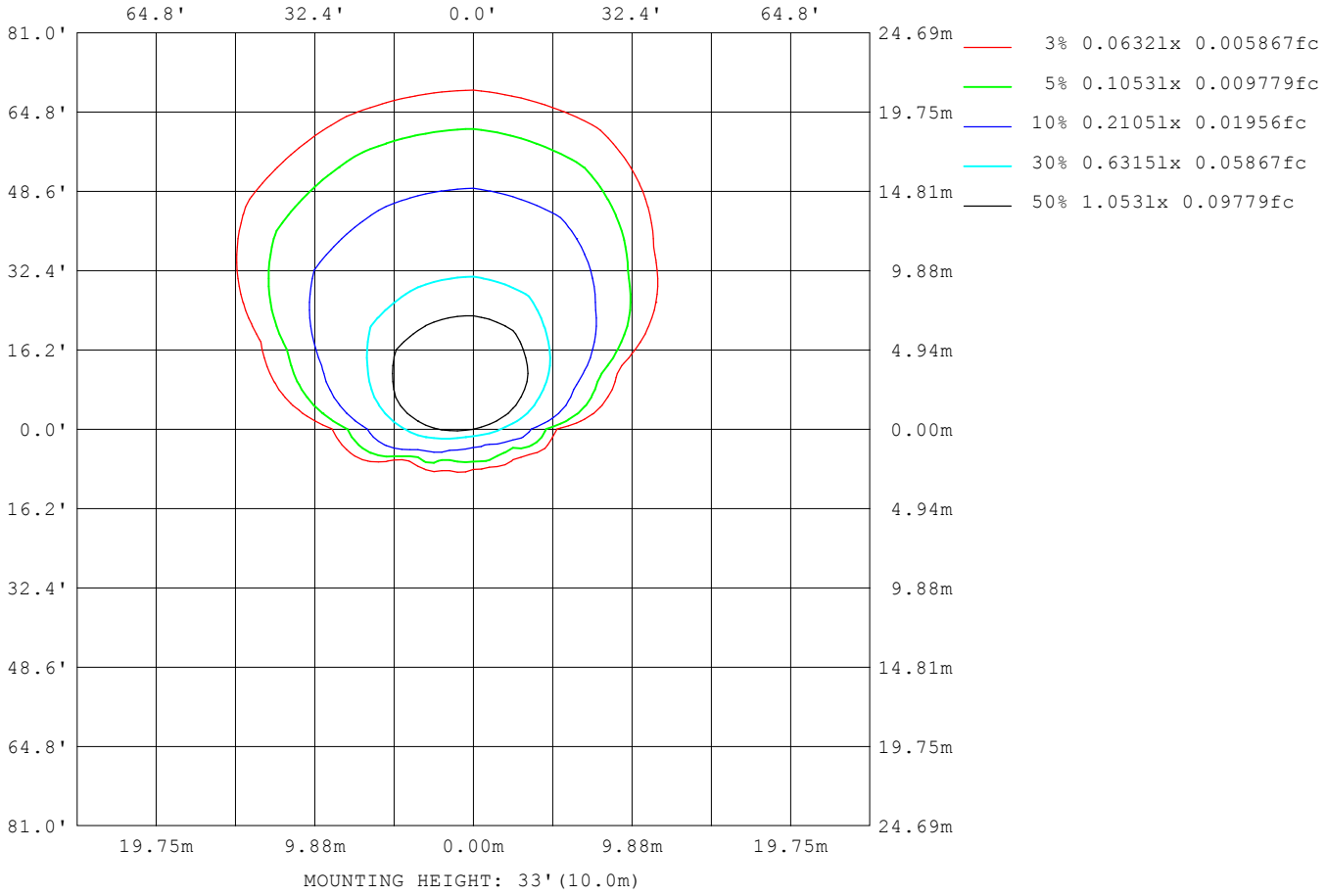
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-12-03

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-271916 4000K

ISOLUX DIAGRAM

Test:U:23.997V I:0.2196A P:5.2697W PF:1.0000 Freq:50.00Hz Lamp Flux:215.613x1 lm		
NAME: HCP-271916 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:2025-12-03

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-271916 4000K

LED Avg.L Report

Test:U:23.997V I:0.2196A P:5.2697W PF:1.0000 Freq:50.00Hz Lamp Flux:215.613x1 lm		
NAME: HCP-271916 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

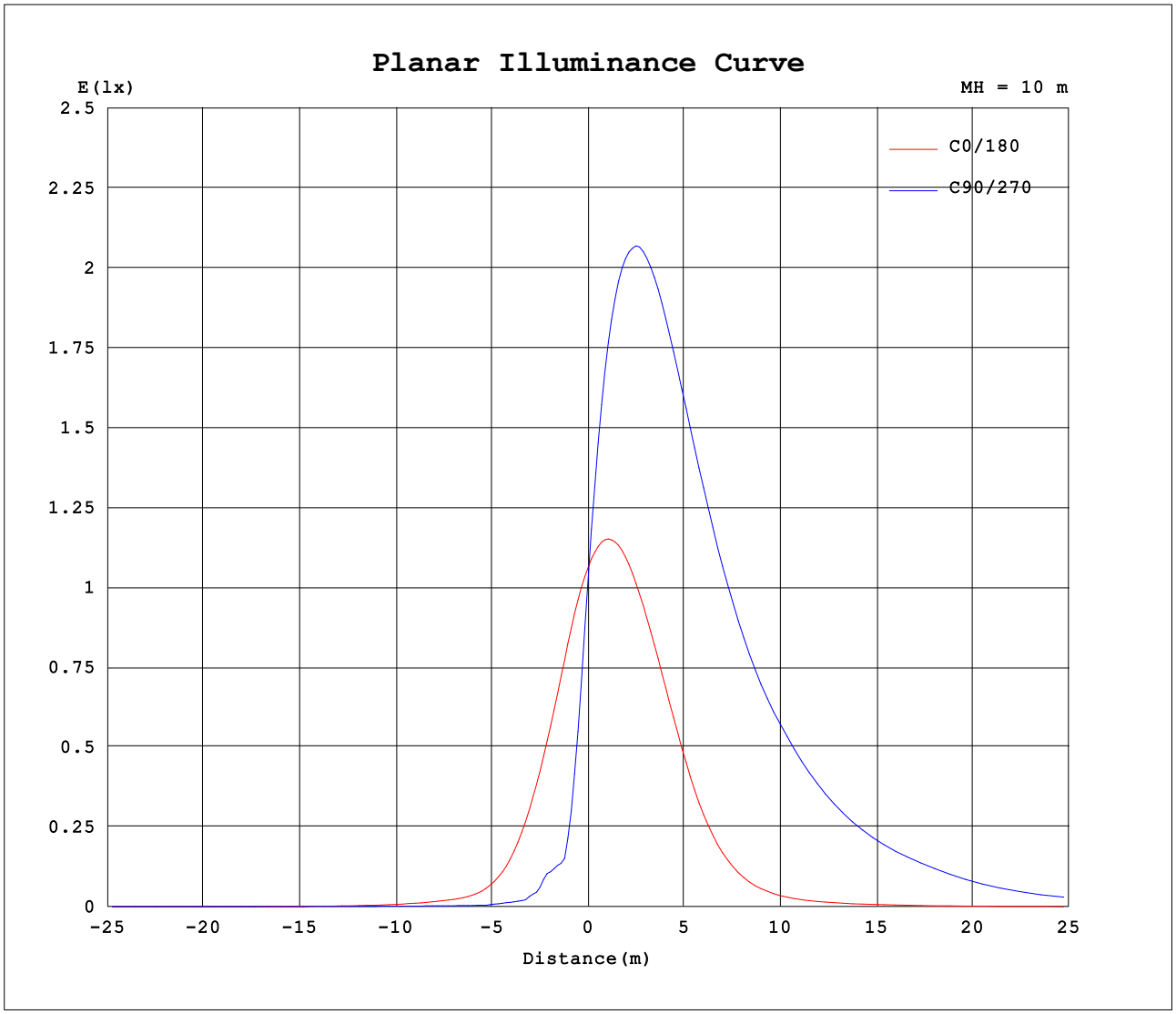
AvgL	cd/m2
L_0~180(65)av	3029
L_0~180(75)av	1308
L_0~180(85)av	449
L_90~270(65)av	92488
L_90~270(75)av	37480
L_90~270(85)av	1594
L_45(65)av	51835
L_45(75)av	20992
L_45(85)av	997

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-12-03

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-271916 4000K

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-12-03

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-271916 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.997V I:0.2196A P:5.2697W PF:1.0000 Freq:50.00Hz Lamp Flux:215.613x1 lm		
NAME: HCP-271916 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	106	107	104	106	103	105	103	104	106	107	104	106	103	105	103	104			
5	88.2	60.7	40.9	33.3	30.5	39.2	54.1	82.1	116	143	161	172	169	160	139	114			
10	64.6	26.3	13.5	13.1	12.6	13.2	19.4	57.1	117	167	198	213	209	192	159	114			
15	42.6	11.2	10.0	5.67	5.11	9.02	10.8	34.1	109	177	218	234	229	208	164	106			
20	24.4	8.84	3.25	2.19	2.19	2.44	8.46	17.1	93.7	176	225	238	233	211	159	90.1			
25	12.6	5.84	1.49	1.39	1.33	1.48	2.66	8.22	73.3	163	220	230	226	204	146	70.3			
30	6.55	1.66	1.00	0.69	0.71	0.89	1.09	5.17	50.2	141	206	215	212	192	127	50.7			
35	4.30	0.86	0.68	0.62	0.66	0.59	0.84	3.88	30.8	112	186	196	194	176	107	34.7			
40	3.15	0.71	0.62	0.59	0.63	0.56	0.67	2.45	17.4	85.4	165	177	176	160	86.9	23.6			
45	2.29	0.59	0.58	0.58	0.60	0.52	0.55	1.26	10.0	63.4	144	160	162	145	71.5	16.4			
50	1.55	0.49	0.55	0.52	0.56	0.51	0.51	0.62	6.47	46.7	124	143	146	130	59.3	12.0			
55	1.02	0.43	0.50	0.51	0.53	0.45	0.47	0.51	4.59	33.8	105	125	127	111	47.8	8.77			
60	0.64	0.37	0.45	0.45	0.49	0.43	0.43	0.44	3.31	23.7	85.3	107	109	91.8	36.6	6.06			
65	0.43	0.31	0.41	0.43	0.45	0.39	0.40	0.38	2.13	15.2	61.7	76.2	77.7	65.7	25.1	3.70			
70	0.32	0.24	0.36	0.38	0.42	0.36	0.36	0.29	1.11	8.20	35.7	43.9	44.7	37.4	14.1	1.78			
75	0.21	0.17	0.30	0.33	0.38	0.30	0.31	0.20	0.47	3.26	15.2	18.5	19.0	15.7	5.88	0.70			
80	0.13	0.11	0.22	0.26	0.31	0.23	0.22	0.11	0.16	0.75	3.30	3.70	3.93	3.15	1.31	0.18			
85	0.05	0.06	0.16	0.19	0.23	0.16	0.13	0.03	0.03	0.07	0.03	0.10	0.05	0.08	0.03	0.05			
90	0.00	0.07	0.14	0.20	0.19	0.16	0.07	0.01	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.00			
95	0.00	0.11	0.20	0.31	0.26	0.24	0.10	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00			
100	0.00	0.17	0.31	0.43	0.39	0.34	0.15	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
105	0.03	0.24	0.40	0.57	0.54	0.46	0.24	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
110	0.05	0.33	0.52	0.73	0.70	0.59	0.30	0.12	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
115	0.11	0.42	0.66	0.89	0.86	0.72	0.40	0.18	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
120	0.17	0.53	0.79	1.05	1.02	0.86	0.51	0.24	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
125	0.26	0.63	0.92	1.20	1.16	0.99	0.65	0.32	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.03			
130	0.38	0.74	1.05	1.34	1.33	1.13	0.77	0.42	0.14	0.01	0.01	0.00	0.00	0.00	0.02	0.07			
135	0.45	0.84	1.14	1.47	1.44	1.25	0.86	0.52	0.22	0.03	0.02	0.00	0.00	0.00	0.04	0.13			
140	0.56	0.93	1.24	1.57	1.55	1.36	0.97	0.63	0.30	0.09	0.05	0.00	0.01	0.00	0.10	0.23			
145	0.65	1.00	1.31	1.59	1.63	1.43	1.07	0.73	0.39	0.17	0.10	0.03	0.04	0.03	0.17	0.32			
150	0.72	1.04	1.35	1.55	1.63	1.42	1.13	0.83	0.49	0.25	0.18	0.10	0.11	0.10	0.27	0.44			
155	0.79	1.08	1.34	1.50	1.57	1.41	1.14	0.91	0.59	0.38	0.29	0.18	0.21	0.23	0.39	0.56			
160	0.84	1.07	1.29	1.41	1.49	1.36	1.15	0.97	0.68	0.52	0.43	0.31	0.35	0.37	0.52	0.66			
165	0.88	1.07	1.23	1.30	1.38	1.28	1.15	1.02	0.77	0.62	0.58	0.49	0.51	0.51	0.66	0.79			
170	0.93	1.05	1.16	1.21	1.26	1.20	1.15	1.02	0.85	0.73	0.73	0.65	0.68	0.67	0.79	0.86			
175	0.95	1.01	1.09	1.08	1.15	1.09	1.10	1.02	0.94	0.86	0.86	0.82	0.86	0.84	0.92	0.94			
180	0.98	0.98	0.99	0.99	1.02	1.02	1.02	1.02	0.98	0.94	0.96	0.97	1.02	1.00	1.02	1.02			

C Range: 0 - 360DEG
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