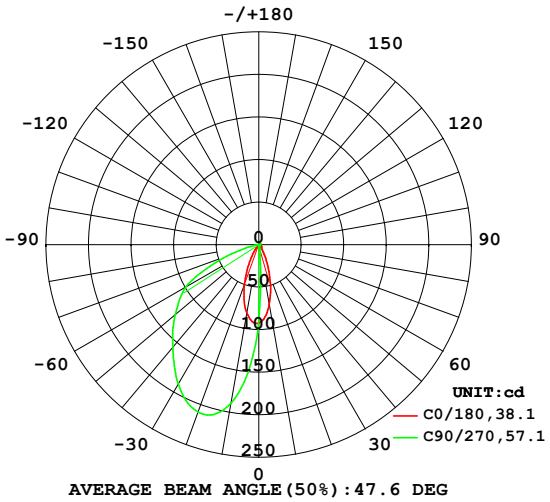
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.997V I:0.2330A P:5.5913W PF:1.0000 Freq:50.00Hz Lamp Flux:188.653x1 lm		
NAME: HCP-271916 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

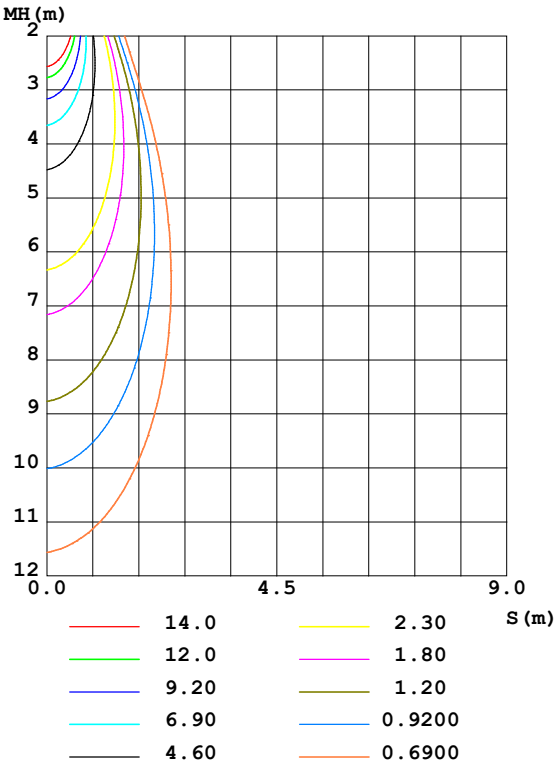
DATA OF LAMP		PHOTOMETRIC DATA Eff: 33.74 lm/W			
MODEL	HCP-271916 3000K	Imax(cd)	209.7	S/MH(C0/180)	0.67
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	2.00
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	188.65	η UP,DN(C0-180)	1.0,3.5
NOMINAL FLUX(lm)	188.653	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,95.4
LAMPS INSIDE	1	η up(%)	1.1	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	23.997	η down(%)	98.9	CIBSE SHR MAX	0.70

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):47.6 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 3000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	71.43	12.06	10.72	11.86	81.74	165.0	189.4	153.3	0- 10	8.328	8.328	4.41,4.41
20	37.10	3.274	1.835	3.569	49.72	181.4	209.3	159.6	10- 20	23.96	32.29	17.1,17.1
30	12.68	0.9344	0.6604	0.8997	18.12	161.0	189.4	139.9	20- 30	34.01	66.30	35.1,35.1
40	4.395	0.5691	0.5646	0.5474	4.616	122.0	157.2	107.4	30- 40	35.67	102.0	54.1,54.1
50	2.555	0.4996	0.5256	0.4821	2.318	87.48	128.1	78.75	40- 50	33.06	135.0	71.6,71.6
60	1.343	0.4214	0.4387	0.4127	1.310	55.58	98.74	53.06	50- 60	28.15	163.2	86.5,86.5
70	0.4044	0.3518	0.3432	0.3085	0.3773	22.17	39.53	21.51	60- 70	18.10	181.3	96.1,96.1
80	0.1001	0.2087	0.2347	0.2259	0.0998	2.019	3.300	1.876	70- 80	5.091	186.4	98.8,98.8
90	0.0000	0.0955	0.1781	0.0999	0	0	0	0	80- 90	0.1970	186.6	98.9,98.9
100	0	0.2037	0.3643	0.1737	0.0131	0	0	0	90-100	0.0758	186.6	98.9,98.9
110	0.0173	0.3734	0.6293	0.3385	0.0348	0	0	0	100-110	0.1482	186.8	99,99
120	0.0866	0.5819	0.9246	0.5556	0.0870	0	0	0	110-120	0.2321	187.0	99.1,99.1
130	0.2125	0.7990	1.168	0.7860	0.1869	0.0087	0	0.0001	120-130	0.3053	187.3	99.3,99.3
140	0.3778	0.9466	1.385	0.9725	0.3390	0.0566	0.0087	0.0435	130-140	0.3537	187.7	99.5,99.5
150	0.5340	1.064	1.425	1.073	0.5040	0.1827	0.0871	0.1783	140-150	0.3606	188.0	99.7,99.7
160	0.6558	1.051	1.290	1.081	0.6516	0.4042	0.2913	0.3999	150-160	0.3113	188.4	99.8,99.8
170	0.7861	0.9687	1.095	1.029	0.7819	0.6431	0.5910	0.6561	160-170	0.2157	188.6	100,100
180	0.8686	0.8556	0.8773	0.8816	0.8730	0.8252	0.8730	0.8816	170-180	0.0790	188.7	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

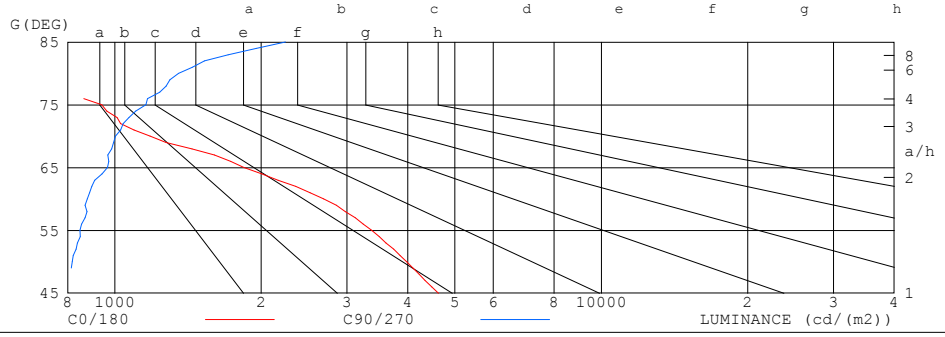
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271916 3000K

LUMINANCE LIMITATION CURVES

Test:U:23.997V I:0.2330A P:5.5913W PF:1.0000 Freq:50.00Hz Lamp Flux:188.653x1 lm		
NAME: HCP-271916 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	351	2244
80	576	1351
75	941	1158
70	1183	1004
65	1842	966
60	2687	877
55	3372	848
50	3976	818
45	4628	774

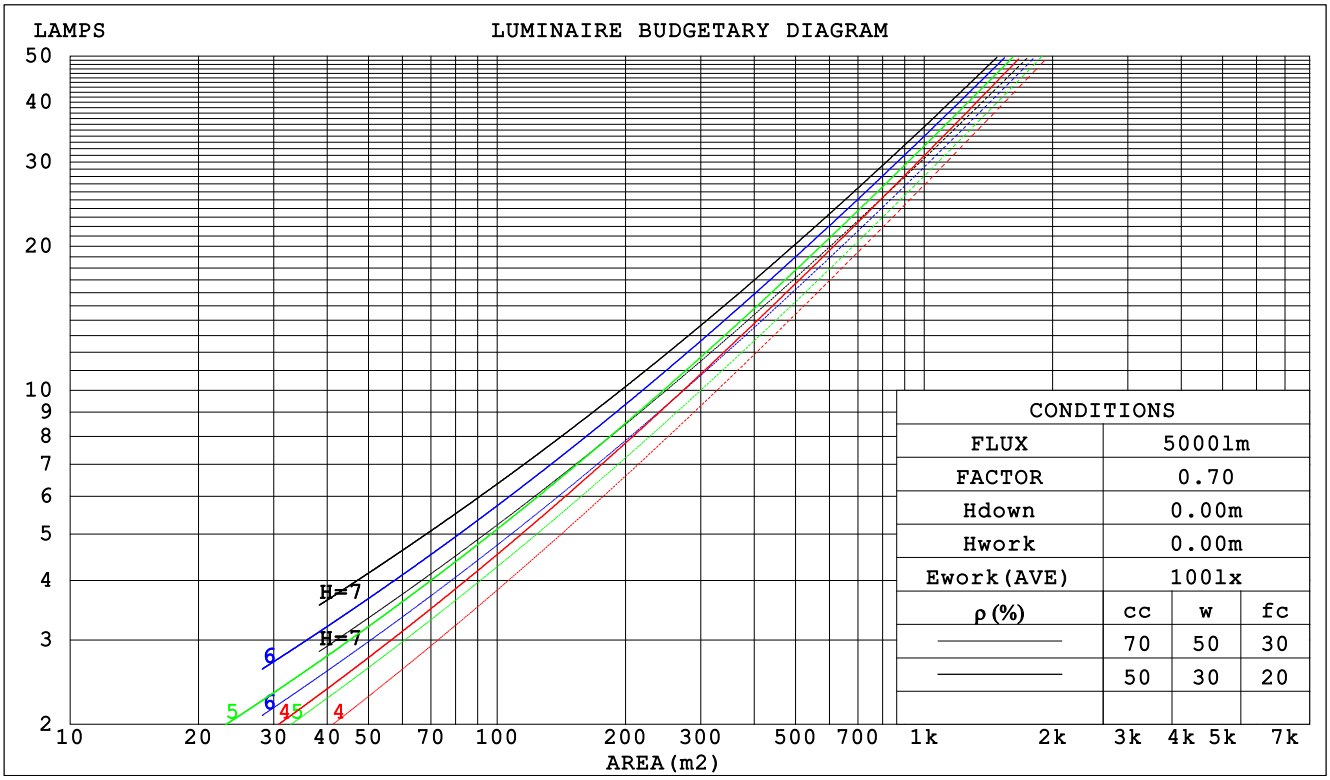
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-12-03

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 3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.2330A P:5.5913W PF:1.0000 Freq:50.00Hz Lamp Flux:188.653x1 lm		
NAME: HCP-271916 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	1.19	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	.93	.92	.92	.90	.89	.87
2.0	.94	.88	.83	.92	.87	.82	.89	.84	.80	.85	.82	.78	.82	.79	.77	.74
3.0	.84	.77	.71	.82	.76	.70	.79	.74	.69	.77	.72	.68	.74	.70	.66	.64
4.0	.75	.67	.61	.74	.67	.61	.71	.65	.60	.69	.63	.59	.67	.62	.58	.56
5.0	.68	.60	.54	.67	.59	.53	.65	.58	.53	.63	.57	.52	.61	.55	.51	.49
6.0	.62	.53	.47	.61	.53	.47	.59	.52	.47	.57	.51	.46	.55	.50	.46	.44
7.0	.56	.48	.42	.55	.48	.42	.54	.47	.42	.52	.46	.41	.51	.45	.41	.39
8.0	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.47	.41	.37	.35
9.0	.48	.40	.35	.47	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.34	.32
10.0	.44	.37	.32	.44	.36	.31	.42	.36	.31	.41	.35	.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 3000K

WEC AND CCEC

Test:U:23.997V I:0.2330A P:5.5913W PF:1.0000 Freq:50.00Hz Lamp Flux:188.653x1 lm		
NAME: HCP-271916 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	.257	.146	.046	.250	.143	.045	.236	.136	.043	.224	.129	.041	.212	.123	.040	
2.0	.251	.138	.042	.245	.135	.042	.233	.130	.040	.222	.125	.039	.212	.120	.038	
3.0	.238	.127	.038	.233	.125	.038	.222	.120	.037	.212	.116	.036	.203	.113	.035	
4.0	.224	.116	.034	.219	.115	.034	.210	.111	.033	.201	.108	.033	.193	.105	.032	
5.0	.210	.107	.031	.205	.105	.031	.197	.103	.030	.189	.100	.030	.182	.097	.029	
6.0	.196	.098	.028	.193	.097	.028	.185	.095	.028	.178	.093	.027	.172	.090	.027	
7.0	.184	.091	.026	.181	.090	.026	.174	.088	.025	.168	.086	.025	.162	.084	.025	
8.0	.173	.085	.024	.170	.084	.024	.164	.082	.023	.159	.080	.023	.153	.079	.023	
9.0	.163	.079	.022	.161	.078	.022	.155	.077	.022	.150	.075	.022	.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	.097	.088	.062	.056	.051	.020	.018	.016	
2.0	.175	.141	.111	.150	.121	.096	.103	.084	.067	.059	.049	.039	.019	.016	.013	
3.0	.167	.123	.087	.143	.106	.076	.098	.074	.053	.057	.043	.031	.018	.014	.010	
4.0	.159	.109	.071	.137	.094	.061	.094	.066	.043	.054	.038	.026	.017	.013	.008	
5.0	.152	.098	.059	.130	.085	.051	.090	.059	.036	.052	.035	.021	.017	.011	.007	
6.0	.145	.090	.050	.125	.078	.044	.086	.054	.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	.122	.068	.032	.105	.059	.028	.073	.041	.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 3000K

UGR(Unified Glare Rating) Table

Test:U:23.997V I:0.2330A P:5.5913W PF:1.0000 Freq:50.00Hz Lamp Flux:188.653x1 lm		
NAME: HCP-271916 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	8.9	10.3	9.2	10.5	10.7	3.1	4.4	3.3	4.7	4.9
	3H	9.5	10.8	9.8	11.0	11.3	5.4	6.6	5.7	6.9	7.1
	4H	9.7	10.9	10.0	11.2	11.4	6.6	7.8	6.9	8.0	8.3
	6H	9.8	10.9	10.1	11.2	11.5	7.8	8.9	8.1	9.2	9.5
	8H	9.8	10.8	10.1	11.1	11.4	8.4	9.4	8.7	9.7	10.0
	12H	9.7	10.8	10.1	11.1	11.4	9.1	10.1	9.4	10.4	10.7
4H	2H	8.8	10.0	9.2	10.3	10.6	3.9	5.1	4.2	5.4	5.6
	3H	9.6	10.6	9.9	10.9	11.2	6.4	7.5	6.8	7.8	8.1
	4H	9.9	10.8	10.3	11.1	11.5	7.7	8.7	8.1	9.0	9.3
	6H	10.0	10.8	10.4	11.2	11.6	9.1	9.9	9.5	10.3	10.7
	8H	10.0	10.8	10.5	11.2	11.6	9.7	10.5	10.2	10.9	11.3
	12H	10.0	10.7	10.5	11.1	11.5	10.6	11.3	11.0	11.7	12.1
8H	4H	10.1	10.8	10.5	11.2	11.6	8.2	9.0	8.6	9.3	9.7
	6H	10.3	10.9	10.8	11.4	11.8	9.8	10.4	10.2	10.8	11.3
	8H	10.4	10.9	10.8	11.4	11.8	10.6	11.1	11.0	11.5	12.0
	12H	10.4	10.8	10.9	11.3	11.8	11.6	12.0	12.1	12.5	13.0
12H	4H	10.1	10.8	10.5	11.2	11.6	8.2	8.9	8.7	9.3	9.7
	6H	10.4	11.0	10.9	11.4	11.9	9.9	10.4	10.4	10.9	11.4
	8H	10.5	11.0	11.0	11.5	12.0	10.8	11.2	11.2	11.7	12.2

Variations with the observer position at spacings:		
S = 1.0H	+ 2.7 / - 1.5	+ 0.1 / - 0.1
1.5H	+ 4.0 / - 2.4	+ 0.2 / - 0.2
2.0H	+ 4.3 / - 2.7	+ 0.1 / - 0.3

CIE Pub.117, 188.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.8)
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 3000K

UTILIZATION FACTORS TABLE

Test:U:23.997V I:0.2330A P:5.5913W PF:1.0000 Freq:50.00Hz Lamp Flux:188.653x1 lm		
NAME: HCP-271916 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

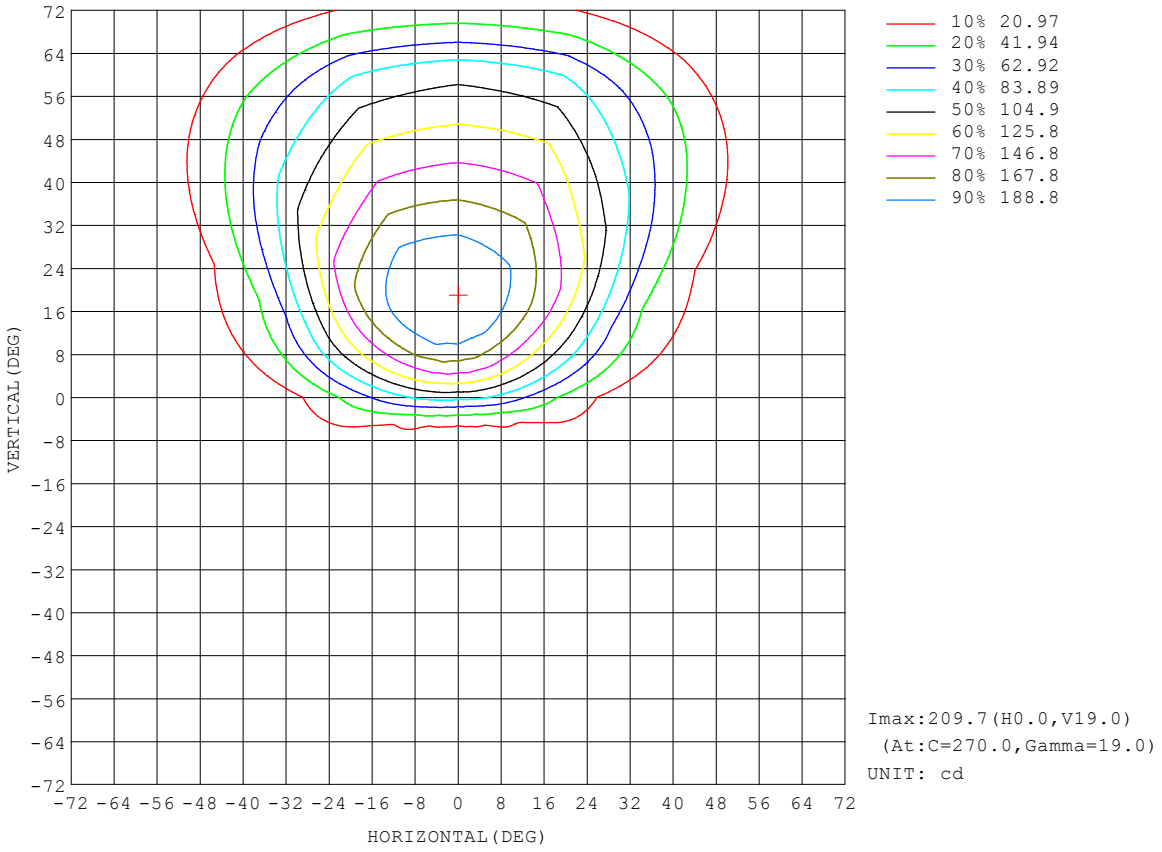
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	63	52	46	62	52	46	61	51	45	39
0.80	73	62	56	72	62	56	70	61	55	49
1.00	81	71	65	80	71	65	78	72	64	57
1.25	88	79	73	86	78	72	84	77	71	65
1.50	93	84	78	91	83	77	88	81	76	69
2.00	99	91	86	97	90	85	93	88	84	76
2.50	102	96	90	100	94	89	96	91	87	80
3.00	105	99	95	103	98	94	99	95	91	83
4.00	108	104	100	106	102	98	102	98	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 3000K

ISOCANDELA DIAGRAM

Test:U:23.997V I:0.2330A P:5.5913W PF:1.0000 Freq:50.00Hz Lamp Flux:188.653x1 lm		
NAME: HCP-271916 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

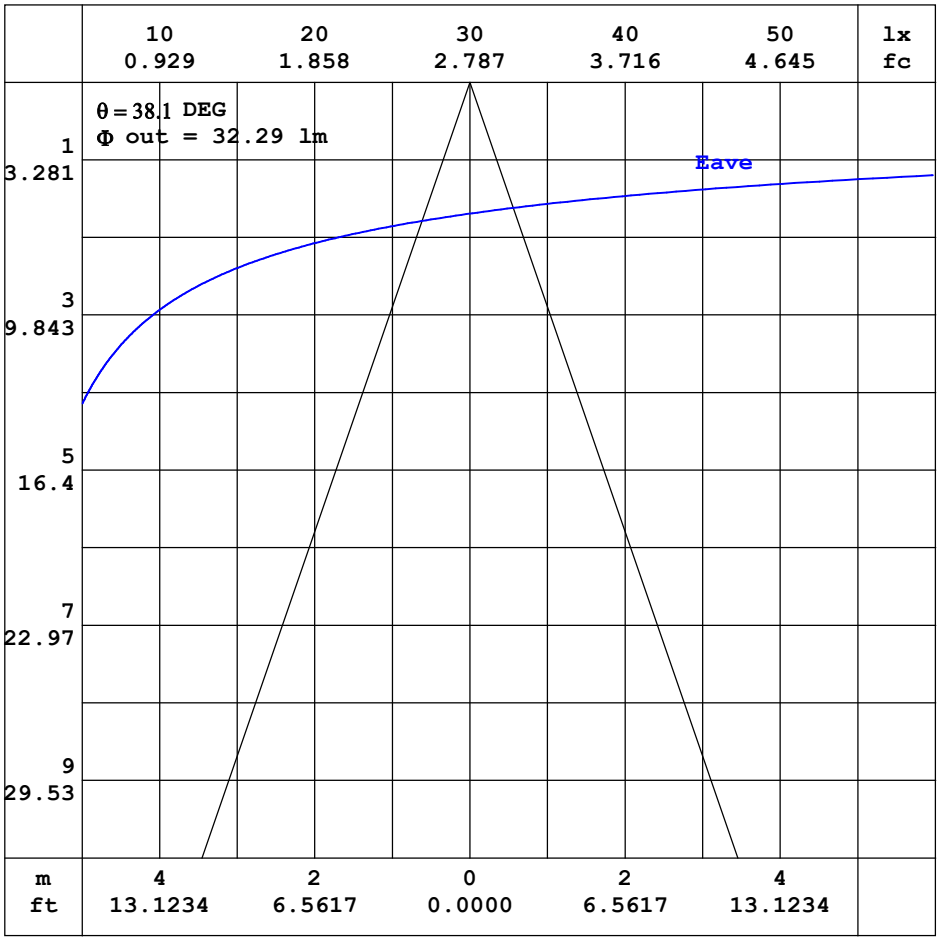


C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271916 3000K

AAI CURVES

Test:U:23.997V I:0.2330A P:5.5913W PF:1.0000 Freq:50.00Hz Lamp Flux:188.653x1 lm		
NAME: HCP-271916 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:



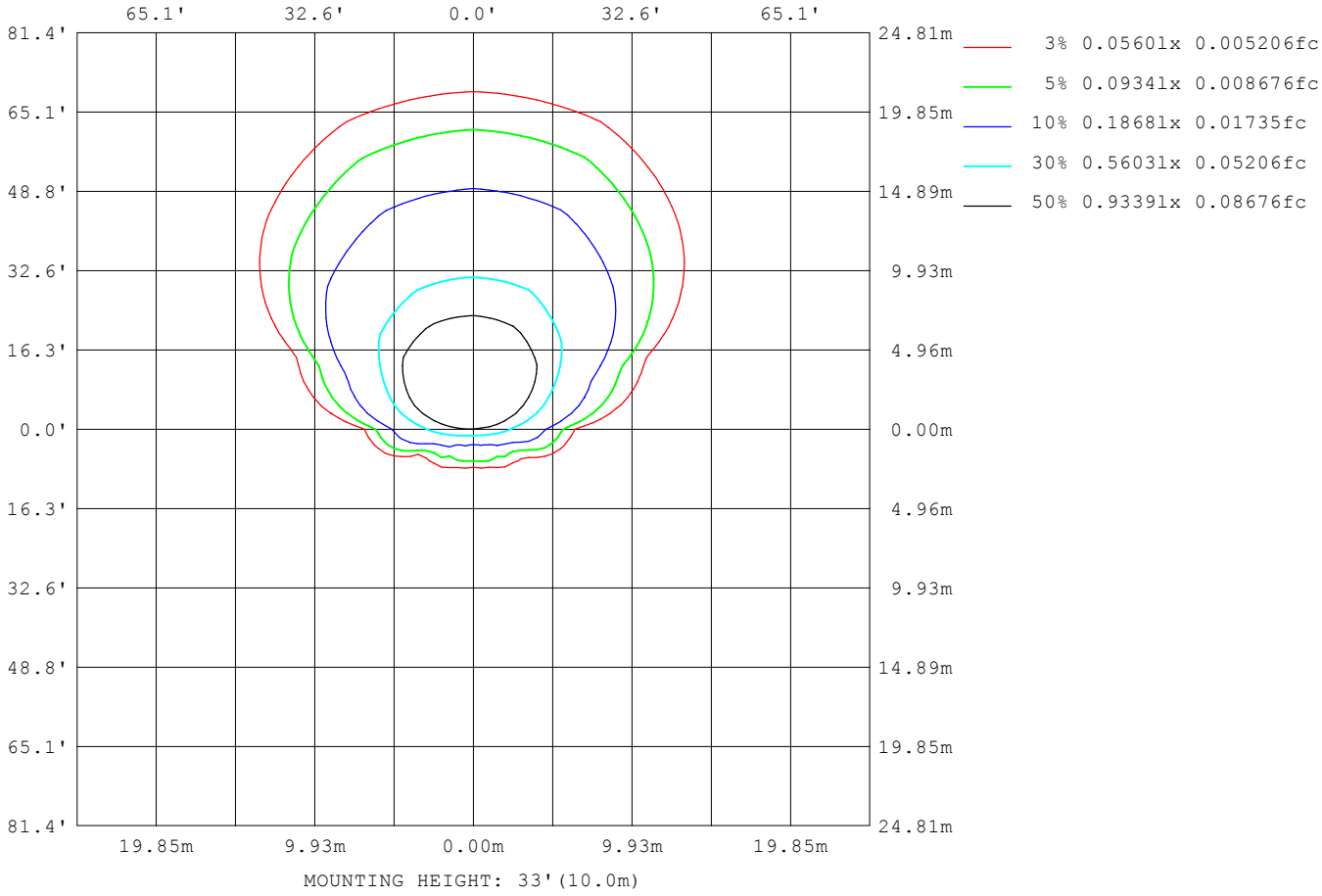
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date: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 3000K

ISOLUX DIAGRAM

Test:U:23.997V I:0.2330A P:5.5913W PF:1.0000 Freq:50.00Hz Lamp Flux:188.653x1 lm		
NAME: HCP-271916 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: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 3000K

LED Avg.L Report

Test:U:23.997V I:0.2330A P:5.5913W PF:1.0000 Freq:50.00Hz Lamp Flux:188.653x1 lm		
NAME: HCP-271916 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

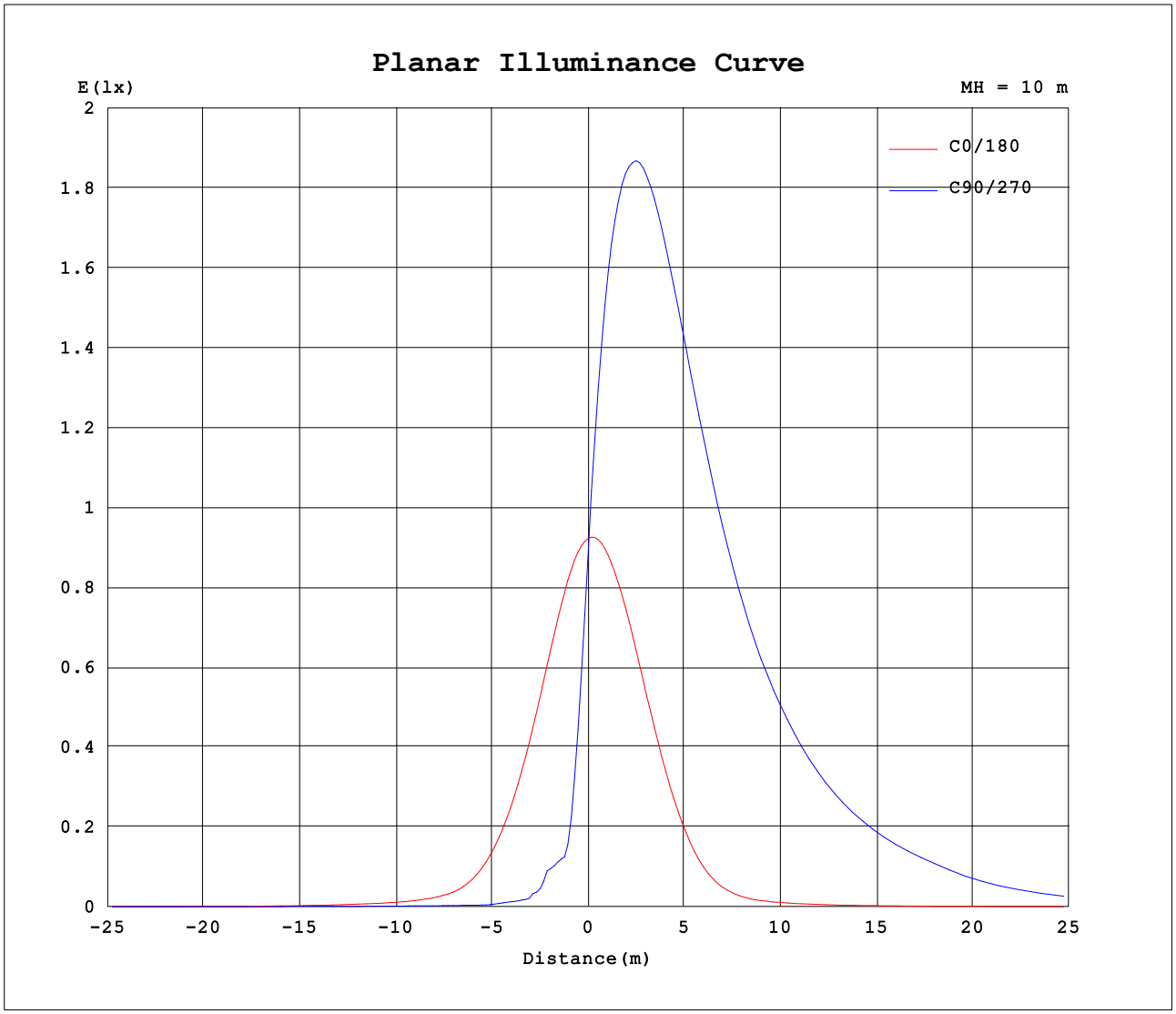
AvgL	cd/m2
L_0~180(65)av	1850
L_0~180(75)av	923
L_0~180(85)av	348
L_90~270(65)av	82358
L_90~270(75)av	32806
L_90~270(85)av	1296
L_45(65)av	46037
L_45(75)av	18216
L_45(85)av	996

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 3000K

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 3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.997V I:0.2330A P:5.5913W PF:1.0000 Freq:50.00Hz Lamp Flux:188.653x1 lm		
NAME: HCP-271916 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	92.3	92.0	89.7	91.8	88.8	92.1	90.8	92.8	92.3	92.0	89.7	91.8	88.8	92.1	90.8	92.8			
5	85.5	57.5	36.7	27.3	22.7	27.9	39.0	61.5	90.7	117	137	151	152	148	132	112			
10	71.4	29.3	12.1	11.5	10.7	11.2	11.9	33.7	81.7	129	165	186	189	179	153	117			
15	54.1	12.4	9.02	5.14	4.11	5.32	8.85	14.4	67.2	130	178	203	207	193	160	112			
20	37.1	8.47	3.27	1.88	1.83	1.89	3.57	7.66	49.7	123	181	207	209	196	160	101			
25	23.0	6.25	1.30	1.24	1.10	1.23	1.25	5.29	32.6	108	175	201	202	191	153	85.4			
30	12.7	3.62	0.93	0.65	0.66	0.65	0.90	3.65	18.1	85.6	161	188	189	180	140	66.8			
35	6.79	1.21	0.70	0.58	0.60	0.54	0.68	1.42	8.98	62.8	142	172	173	166	124	49.5			
40	4.40	0.65	0.57	0.52	0.56	0.52	0.55	0.65	4.62	44.1	122	155	157	152	107	35.7			
45	3.27	0.54	0.54	0.52	0.55	0.51	0.51	0.53	3.10	30.8	104	139	143	139	92.7	26.1			
50	2.56	0.49	0.50	0.50	0.53	0.49	0.48	0.45	2.32	21.5	87.5	124	128	124	78.7	19.6			
55	1.93	0.39	0.46	0.45	0.49	0.45	0.45	0.37	1.78	15.2	71.2	108	114	109	65.7	14.6			
60	1.34	0.32	0.42	0.40	0.44	0.39	0.41	0.31	1.31	10.5	55.6	90.7	98.7	91.5	53.1	10.4			
65	0.78	0.30	0.39	0.38	0.41	0.37	0.36	0.26	0.79	6.76	39.1	64.9	69.2	64.9	37.9	6.64			
70	0.40	0.23	0.35	0.31	0.34	0.31	0.31	0.23	0.38	3.67	22.2	37.2	39.5	36.4	21.5	3.50			
75	0.24	0.17	0.29	0.26	0.30	0.24	0.27	0.17	0.23	1.41	9.24	15.6	16.7	15.0	9.06	1.31			
80	0.10	0.10	0.21	0.22	0.23	0.20	0.23	0.11	0.10	0.36	2.02	3.11	3.30	2.87	1.88	0.28			
85	0.03	0.03	0.13	0.16	0.20	0.17	0.16	0.04	0.03	0.04	0.03	0.07	0.03	0.07	0.03	0.03			
90	0.00	0.03	0.10	0.16	0.18	0.17	0.10	0.03	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00			
95	0.00	0.06	0.11	0.25	0.23	0.25	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100	0.00	0.09	0.20	0.36	0.36	0.34	0.17	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
105	0.00	0.14	0.29	0.47	0.49	0.46	0.25	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
110	0.02	0.20	0.37	0.60	0.63	0.58	0.34	0.17	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
115	0.03	0.27	0.50	0.73	0.78	0.71	0.44	0.23	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
120	0.09	0.35	0.58	0.86	0.92	0.84	0.56	0.31	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
125	0.13	0.44	0.68	0.98	1.06	0.96	0.66	0.40	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
130	0.21	0.52	0.80	1.10	1.17	1.08	0.79	0.48	0.19	0.03	0.01	0.00	0.00	0.00	0.00	0.03			
135	0.30	0.61	0.86	1.21	1.29	1.20	0.87	0.58	0.26	0.05	0.03	0.00	0.00	0.00	0.02	0.04			
140	0.38	0.70	0.95	1.30	1.39	1.29	0.97	0.68	0.34	0.10	0.06	0.00	0.01	0.00	0.04	0.10			
145	0.45	0.76	1.00	1.35	1.42	1.35	1.06	0.76	0.43	0.18	0.11	0.02	0.03	0.02	0.10	0.20			
150	0.53	0.81	1.06	1.29	1.42	1.35	1.07	0.83	0.50	0.26	0.18	0.07	0.09	0.06	0.18	0.30			
155	0.60	0.85	1.06	1.24	1.39	1.28	1.08	0.89	0.59	0.39	0.29	0.17	0.17	0.16	0.28	0.38			
160	0.66	0.88	1.05	1.16	1.29	1.21	1.08	0.92	0.65	0.48	0.40	0.30	0.29	0.27	0.40	0.52			
165	0.73	0.88	1.02	1.09	1.19	1.15	1.08	0.93	0.72	0.57	0.53	0.43	0.43	0.41	0.53	0.59			
170	0.79	0.87	0.97	1.00	1.09	1.06	1.03	0.92	0.78	0.65	0.64	0.59	0.59	0.57	0.66	0.71			
175	0.80	0.87	0.92	0.94	0.99	0.95	0.97	0.88	0.84	0.73	0.76	0.73	0.75	0.73	0.78	0.79			
180	0.87	0.86	0.86	0.85	0.88	0.88	0.88	0.88	0.87	0.83	0.83	0.82	0.87	0.87	0.88	0.87			

C Range: 0 - 360DEG
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