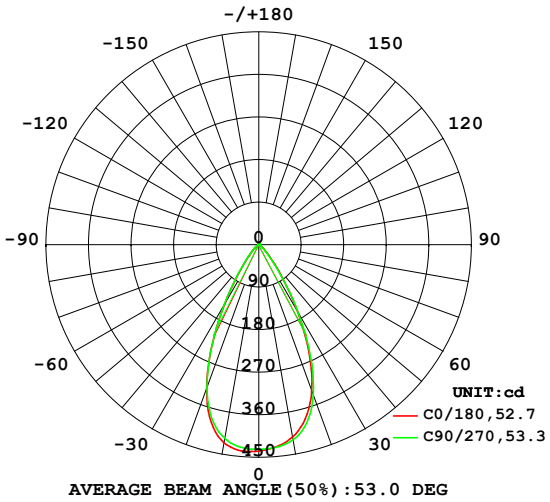
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.997V I:0.2342A P:5.6201W PF:1.0000 Freq:50.00Hz Lamp Flux:343.395x1 lm		
NAME: HCP-271910 50D 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

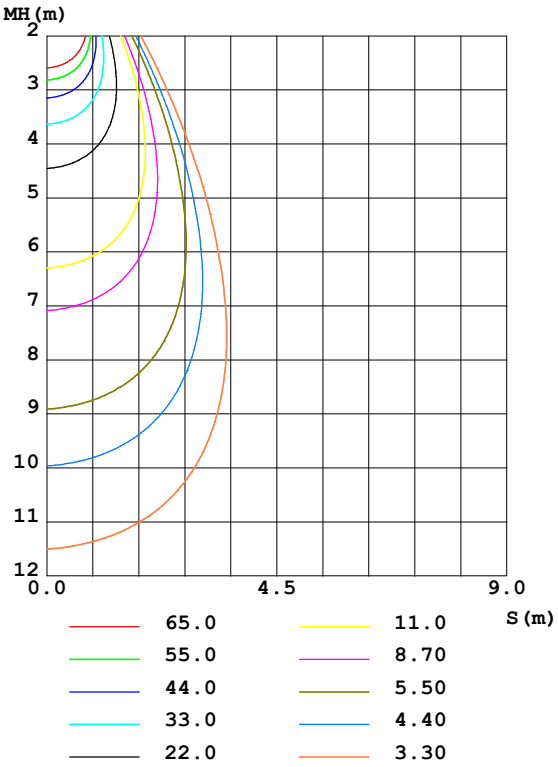
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 61.10 lm/W	
MODEL HCP-271910 50D 3000K		Imax(cd)	438.1	S/MH(C0/180)	0.78
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	0.79
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	343.40	η UP,DN(C0-180)	0.6,50.8
NOMINAL FLUX(lm)	343.395	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,48.0
LAMPS INSIDE	1	η up(%)	1.2	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	23.997	η down(%)	98.8	CIBSE SHR MAX	0.80

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):53.0 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:2025-11-29

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-271910 50D 3000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	413.0	412.9	419.1	421.2	425.5	418.2	416.3	412.2	0- 10	40.68	40.68	11.8,11.8
20	328.2	333.0	337.8	330.0	323.9	316.3	321.0	323.9	10- 20	106.4	147.0	42.8,42.8
30	165.5	171.1	169.0	153.7	144.7	140.1	146.3	155.4	20- 30	110.0	257.0	74.8,74.8
40	46.92	47.62	44.49	39.90	38.15	37.61	40.17	44.13	30- 40	54.80	311.8	90.8,90.8
50	13.69	13.62	12.71	11.69	11.39	11.30	12.13	13.16	40- 50	18.20	330.0	96.1,96.1
60	4.488	4.383	3.988	3.584	3.518	3.544	3.860	4.303	50- 60	6.632	336.6	98,98
70	1.357	1.309	1.114	0.9575	0.9140	0.9269	1.092	1.257	60- 70	2.275	338.9	98.7,98.7
80	0.1436	0.1348	0.1218	0.1045	0.0735	0.0650	0.0822	0.0911	70- 80	0.4363	339.3	98.8,98.8
90	0.0000	0	0	0	0	0.0000	0	0	80- 90	0.0395	339.4	98.8,98.8
100	0	0	0	0	0.0131	0.0174	0.0173	0.0087	90-100	0.0022	339.4	98.8,98.8
110	0.0304	0.0346	0.0348	0.0391	0.0653	0.0653	0.0652	0.0566	100-110	0.0236	339.4	98.8,98.8
120	0.1994	0.1738	0.2509	0.2512	0.2262	0.2434	0.2261	0.2044	110-120	0.1115	339.5	98.9,98.9
130	0.5770	0.5726	0.5813	0.6033	0.5957	0.6087	0.5957	0.5609	120-130	0.3408	339.9	99,99
140	1.150	1.141	1.146	1.202	1.165	1.178	1.160	1.121	130-140	0.6601	340.5	99.2,99.2
150	1.815	1.776	1.784	1.828	1.790	1.799	1.777	1.738	140-150	0.9175	341.4	99.4,99.4
160	2.392	2.358	2.358	2.388	2.363	2.359	2.328	2.285	150-160	0.9551	342.4	99.7,99.7
170	2.818	2.805	2.801	2.810	2.845	2.828	2.789	2.750	160-170	0.7250	343.1	99.9,99.9
180	3.101	3.097	3.079	3.036	3.105	3.101	3.084	3.036	170-180	0.2785	343.4	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:2025-11-29

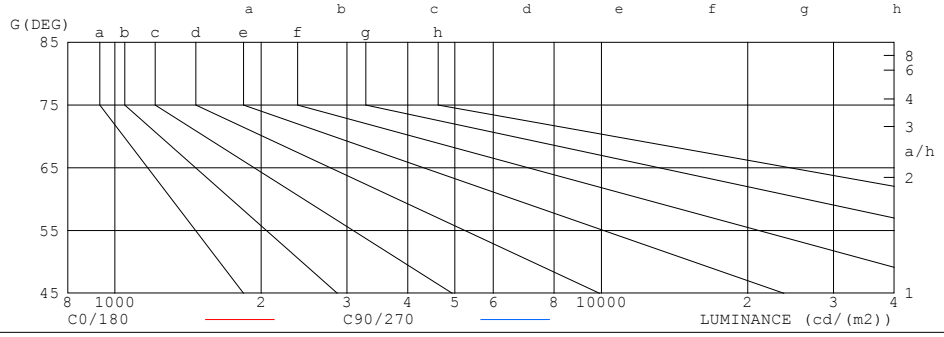
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271910 50D 3000K

LUMINANCE LIMITATION CURVES

Test:U:23.997V I:0.2342A P:5.6201W PF:1.0000 Freq:50.00Hz Lamp Flux:343.395x1 lm		
NAME: HCP-271910 50D 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	6	5
80	8	7
75	16	12
70	40	33
65	59	52
60	90	80
55	137	126
50	213	198
45	345	324

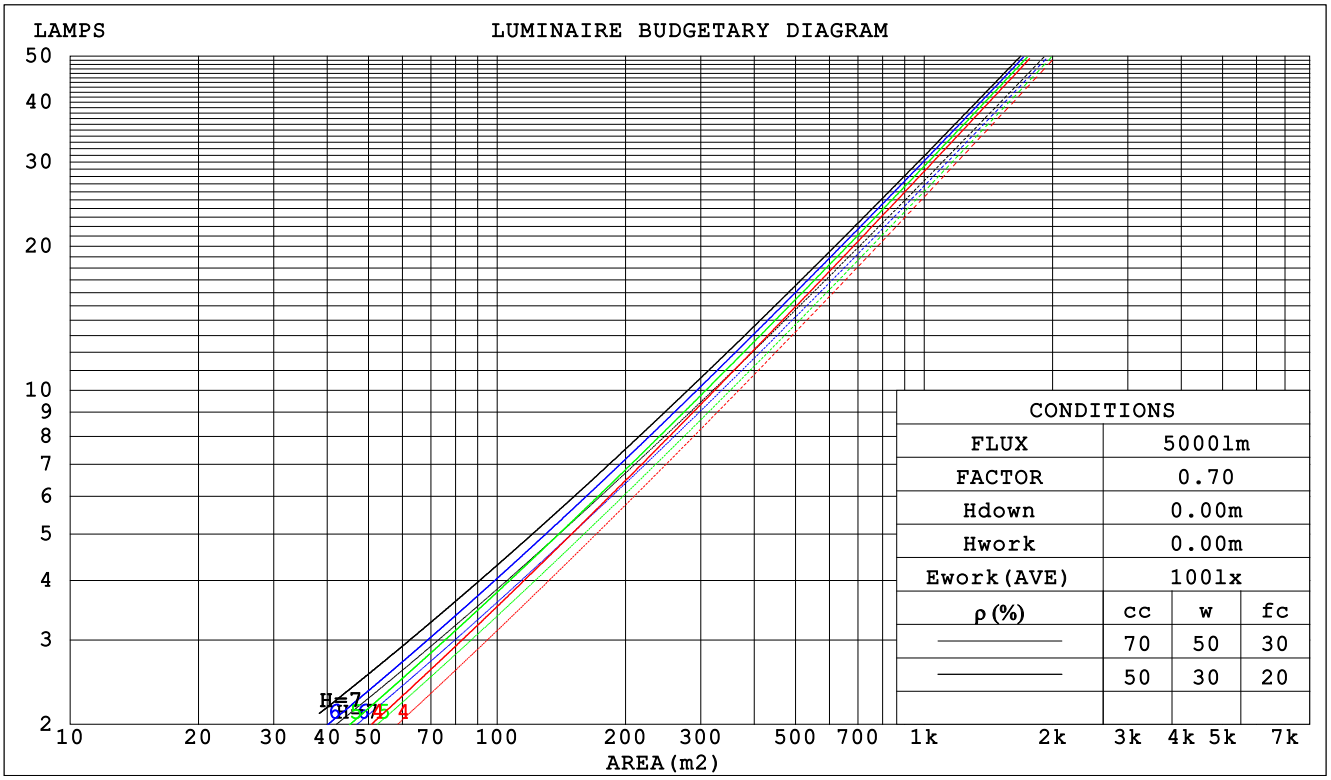
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-29

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-271910 50D 3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.2342A P:5.6201W PF:1.0000 Freq:50.00Hz Lamp Flux:343.395x1 lm		
NAME: HCP-271910 50D 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	1.11	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.00	.99	.98	.97	.95	.94	.93
2.0	1.03	.99	.96	1.01	.98	.95	.98	.95	.92	.95	.92	.90	.92	.90	.88	.86
3.0	.96	.91	.87	.95	.90	.87	.92	.88	.85	.89	.86	.84	.87	.84	.82	.81
4.0	.90	.85	.81	.89	.84	.80	.87	.82	.79	.84	.81	.78	.83	.79	.77	.75
5.0	.85	.79	.75	.84	.78	.74	.82	.77	.74	.80	.76	.73	.78	.75	.72	.71
6.0	.80	.74	.70	.79	.73	.69	.77	.72	.69	.76	.71	.68	.74	.71	.68	.66
7.0	.75	.69	.65	.74	.69	.65	.73	.68	.65	.72	.67	.64	.71	.67	.64	.62
8.0	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.60	.67	.63	.60	.59
9.0	.67	.62	.58	.67	.61	.58	.66	.61	.57	.65	.60	.57	.64	.60	.57	.55
10.0	.64	.58	.54	.63	.58	.54	.62	.58	.54	.62	.57	.54	.61	.57	.54	.52



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-29

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-271910 50D 3000K

WEC AND CCEC

Test:U:23.997V I:0.2342A P:5.6201W PF:1.0000 Freq:50.00Hz Lamp Flux:343.395x1 lm		
NAME: HCP-271910 50D 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	.176	.100	.032	.169	.096	.031	.156	.089	.029	.143	.083	.027	.132	.077	.025	
2.0	.168	.092	.028	.162	.089	.028	.151	.084	.026	.141	.079	.025	.131	.074	.023	
3.0	.160	.085	.026	.155	.083	.025	.145	.079	.024	.137	.075	.023	.128	.071	.022	
4.0	.152	.079	.023	.148	.077	.023	.140	.074	.022	.132	.071	.021	.125	.068	.021	
5.0	.145	.074	.021	.141	.072	.021	.134	.070	.021	.127	.067	.020	.121	.065	.019	
6.0	.138	.069	.020	.135	.068	.020	.128	.066	.019	.122	.064	.019	.117	.061	.018	
7.0	.132	.065	.018	.129	.064	.018	.123	.062	.018	.118	.060	.018	.113	.059	.017	
8.0	.126	.062	.017	.123	.061	.017	.118	.059	.017	.114	.058	.017	.109	.056	.016	
9.0	.121	.058	.016	.118	.058	.016	.114	.056	.016	.109	.055	.016	.105	.054	.015	
10.0	.116	.056	.015	.114	.055	.015	.110	.054	.015	.106	.052	.015	.102	.051	.015	

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	.180	.166	.154	.154	.143	.132	.105	.098	.092	.061	.057	.053	.019	.018	.017	
2.0	.165	.142	.122	.141	.122	.105	.097	.084	.074	.056	.049	.043	.018	.016	.014	
3.0	.152	.123	.099	.131	.106	.086	.090	.074	.060	.052	.043	.035	.017	.014	.012	
4.0	.142	.108	.082	.122	.093	.071	.084	.065	.050	.049	.038	.030	.016	.012	.010	
5.0	.133	.096	.069	.115	.083	.060	.079	.058	.042	.046	.034	.025	.015	.011	.008	
6.0	.126	.087	.059	.108	.075	.052	.075	.053	.036	.043	.031	.022	.014	.010	.007	
7.0	.119	.079	.052	.103	.069	.045	.071	.048	.032	.041	.028	.019	.013	.009	.006	
8.0	.114	.073	.046	.098	.064	.040	.068	.045	.028	.039	.026	.017	.013	.009	.006	
9.0	.109	.068	.041	.094	.059	.036	.065	.042	.025	.038	.025	.015	.012	.008	.005	
10.0	.104	.064	.037	.090	.055	.032	.062	.039	.023	.036	.023	.014	.012	.008	.005	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-29

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-271910 50D 3000K

UGR(Unified Glare Rating) Table

Test:U:23.997V I:0.2342A P:5.6201W PF:1.0000 Freq:50.00Hz Lamp Flux:343.395x1 lm		
NAME: HCP-271910 50D 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	8.0	9.0	8.3	9.1	9.3	7.9	8.9	8.2	9.0	9.2
	3H	7.9	8.8	8.2	9.0	9.2	7.8	8.7	8.1	8.9	9.1
	4H	7.8	8.6	8.1	8.9	9.1	7.7	8.5	8.0	8.8	9.0
	6H	7.8	8.5	8.1	8.8	9.0	7.6	8.4	8.0	8.7	8.9
	8H	7.7	8.4	8.0	8.7	9.0	7.6	8.3	7.9	8.6	8.9
	12H	7.7	8.4	8.0	8.6	8.9	7.5	8.2	7.9	8.5	8.8
4H	2H	7.8	8.6	8.1	8.9	9.1	7.7	8.6	8.0	8.8	9.0
	3H	7.7	8.4	8.1	8.7	9.0	7.6	8.3	8.0	8.6	8.9
	4H	7.7	8.3	8.0	8.6	8.9	7.5	8.2	7.9	8.5	8.8
	6H	7.6	8.1	8.0	8.5	8.8	7.4	8.0	7.8	8.3	8.7
	8H	7.5	8.0	7.9	8.4	8.8	7.4	7.9	7.8	8.3	8.7
	12H	7.5	7.9	7.9	8.3	8.7	7.3	7.8	7.8	8.2	8.6
8H	4H	7.5	8.0	7.9	8.4	8.8	7.4	7.9	7.8	8.3	8.7
	6H	7.4	7.8	7.9	8.2	8.7	7.3	7.7	7.7	8.1	8.6
	8H	7.4	7.7	7.8	8.2	8.6	7.2	7.6	7.7	8.0	8.5
	12H	7.3	7.6	7.8	8.1	8.6	7.2	7.5	7.7	8.0	8.5
12H	4H	7.5	7.9	7.9	8.3	8.7	7.3	7.8	7.8	8.2	8.6
	6H	7.4	7.7	7.8	8.2	8.6	7.2	7.6	7.7	8.0	8.5
	8H	7.3	7.6	7.8	8.1	8.6	7.2	7.5	7.7	8.0	8.5

Variations with the observer position at spacings:		
S = 1.0H	+ 2.7 / - 6.0	+ 2.7 / - 6.3
1.5H	+ 4.3 / - 4.4	+ 4.3 / - 4.4
2.0H	+ 4.3 / - 4.6	+ 4.2 / - 4.6

CIE Pub.117, 343.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.7)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-29

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-271910 50D 3000K

UTILIZATION FACTORS TABLE

Test:U:23.997V I:0.2342A P:5.6201W PF:1.0000 Freq:50.00Hz Lamp Flux:343.395x1 lm		
NAME: HCP-271910 50D 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

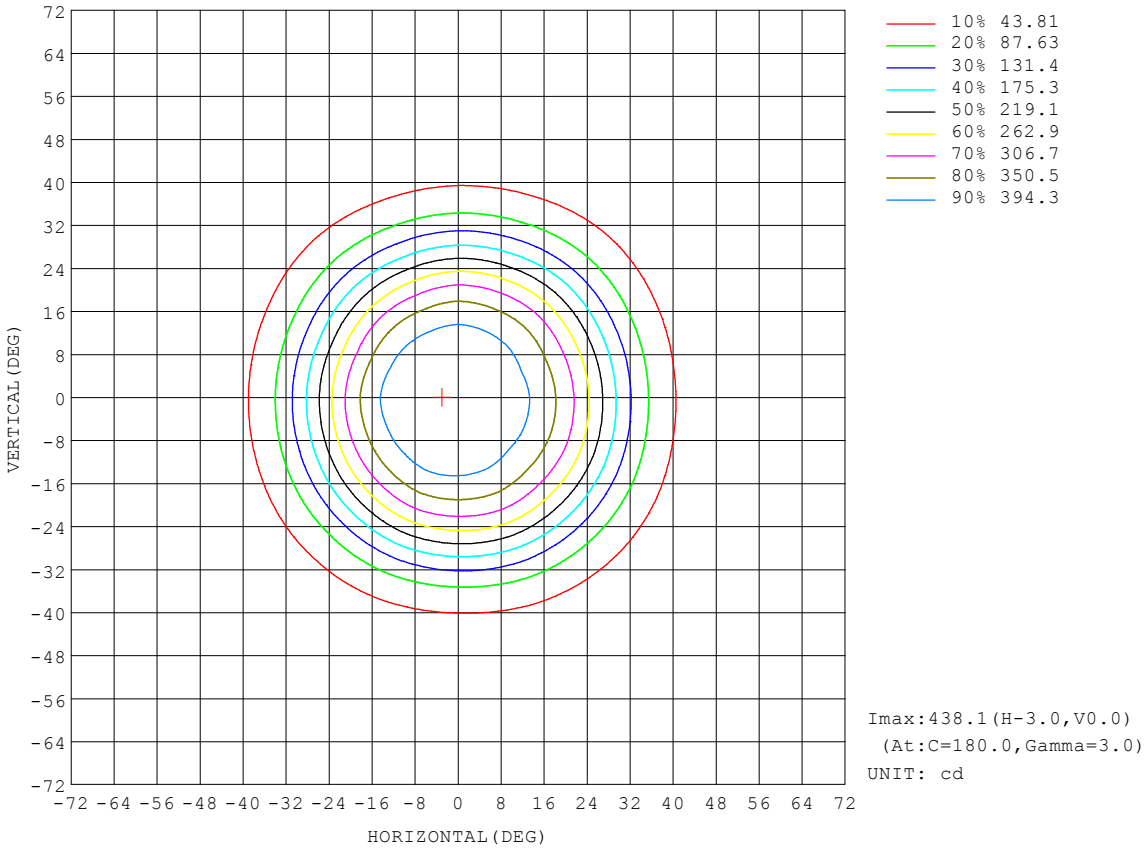
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	86	79	75	85	79	75	84	79	75	71
0.80	93	87	83	93	87	83	91	86	83	79
1.00	98	92	89	97	92	88	95	92	88	83
1.25	102	97	93	101	96	93	99	95	92	88
1.50	105	100	97	104	99	96	101	98	95	90
2.00	108	104	100	106	102	99	103	100	98	92
2.50	110	106	103	108	104	102	105	102	100	93
3.00	111	108	105	109	106	104	106	103	101	95
4.00	113	110	108	111	109	107	107	105	104	96
5.00	115	112	110	112	110	109	108	107	105	97
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:2025-11-29

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-271910 50D 3000K

ISOCANDELA DIAGRAM

Test:U:23.997V I:0.2342A P:5.6201W PF:1.0000 Freq:50.00Hz Lamp Flux:343.395x1 lm		
NAME: HCP-271910 50D 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

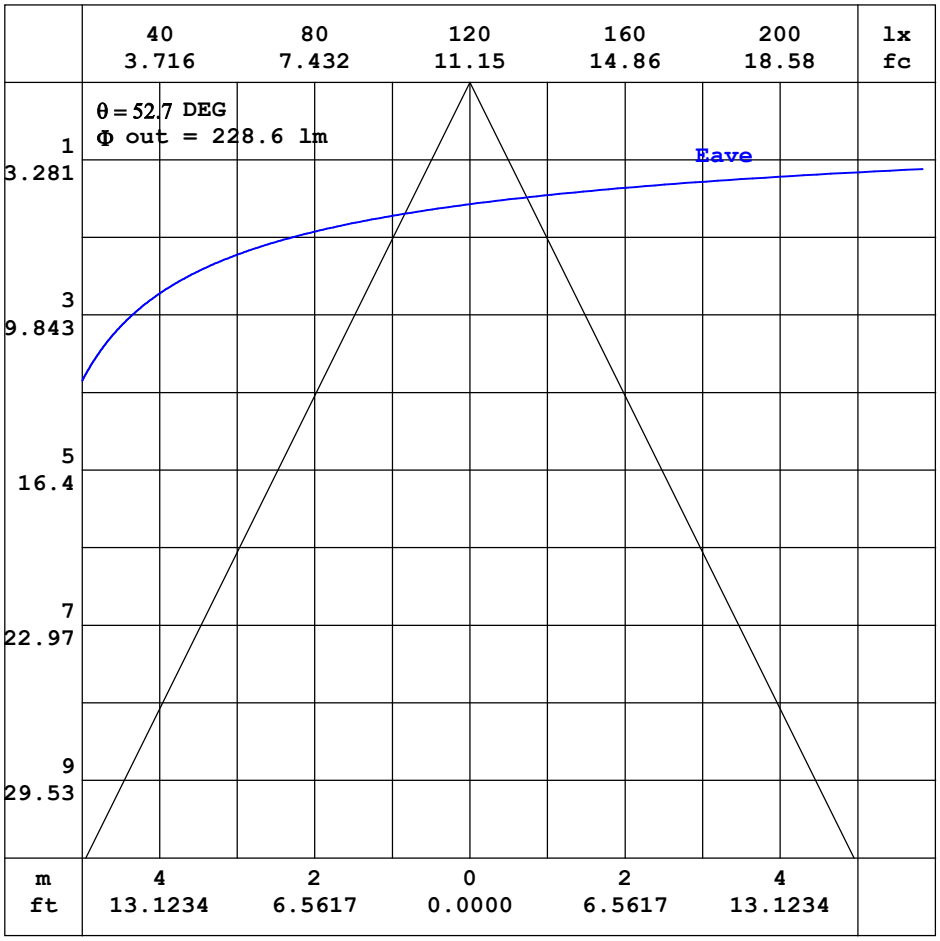


C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-271910 50D 3000K

AAI CURVES

Test:U:23.997V I:0.2342A P:5.6201W PF:1.0000 Freq:50.00Hz Lamp Flux:343.395x1 lm		
NAME: HCP-271910 50D 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:



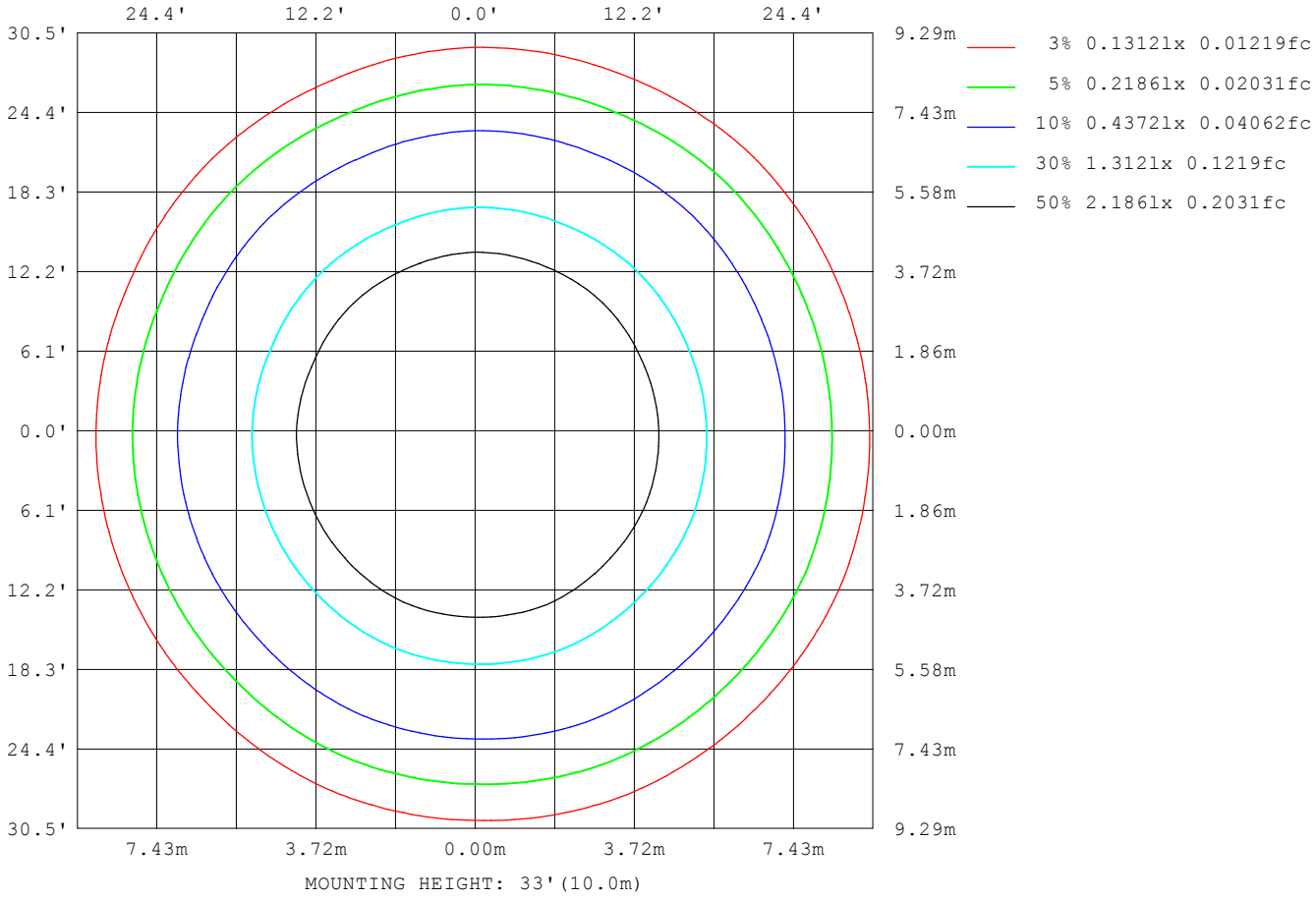
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-29

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-271910 50D 3000K

ISOLUX DIAGRAM

Test:U:23.997V I:0.2342A P:5.6201W PF:1.0000 Freq:50.00Hz Lamp Flux:343.395x1 lm		
NAME: HCP-271910 50D 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:2025-11-29

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-271910 50D 3000K

LED Avg.L Report

Test:U:23.997V I:0.2342A P:5.6201W PF:1.0000 Freq:50.00Hz Lamp Flux:343.395x1 lm		
NAME: HCP-271910 50D 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ONIKE	SUR.:	Shielding Angle:

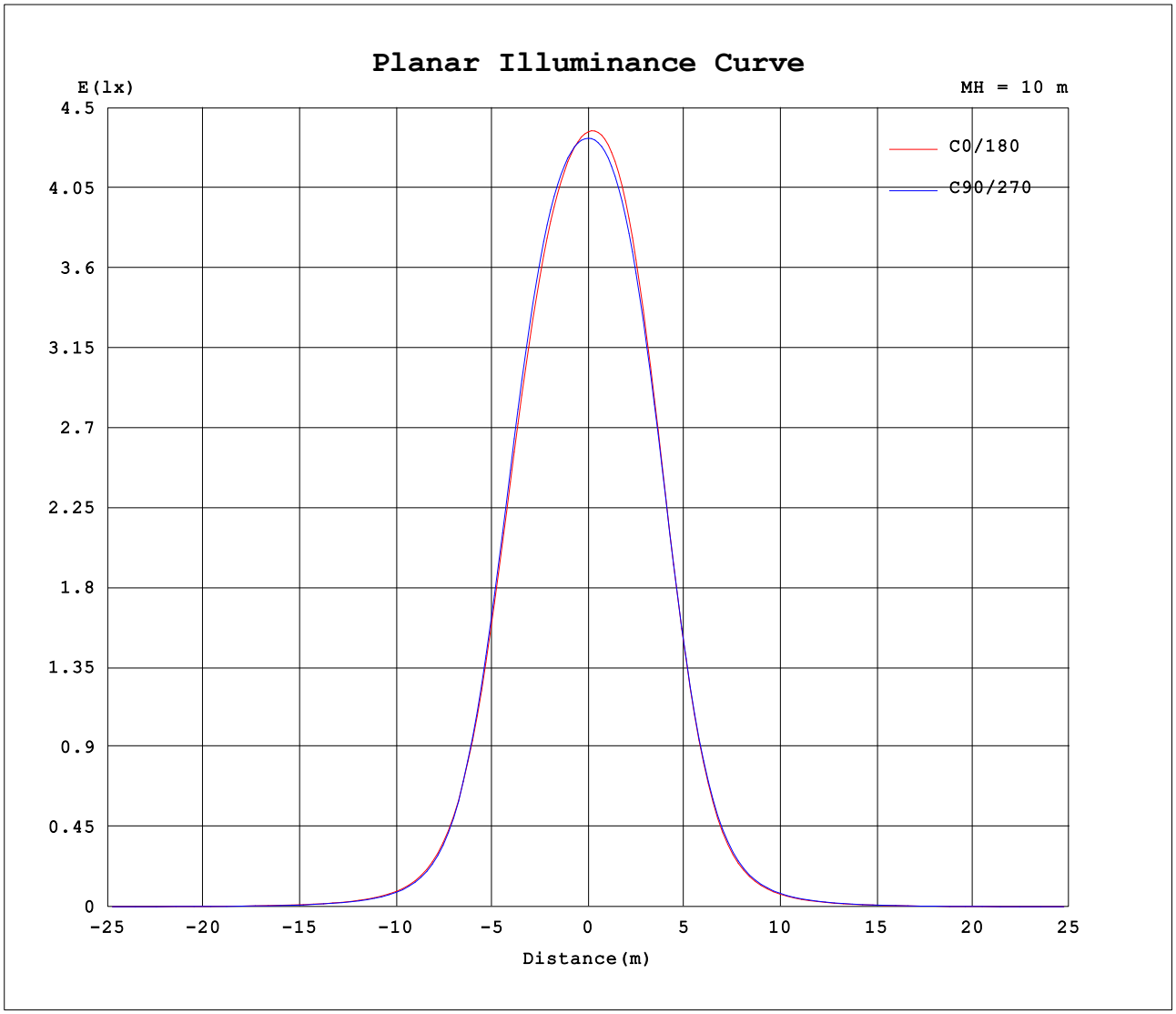
AvgL	cd/m2
L_0~180(65)av	53
L_0~180(75)av	13
L_0~180(85)av	3
L_90~270(65)av	52
L_90~270(75)av	11
L_90~270(85)av	3
L_45(65)av	52
L_45(75)av	12
L_45(85)av	3

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-29

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-271910 50D 3000K

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-11-29

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-271910 50D 3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.997V I:0.2342A P:5.6201W PF:1.0000 Freq:50.00Hz Lamp Flux:343.395x1 lm		
NAME: HCP-271910 50D 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	437	436	435	434	433	432	432	431	437	436	435	434	433	432	432	431			
5	429	429	428	429	430	432	432	432	437	435	433	432	430	429	427	425			
10	413	413	413	417	419	421	421	422	426	421	418	416	416	414	412	409			
15	382	383	384	389	391	393	390	388	390	382	381	379	382	380	380	377			
20	328	333	333	339	338	338	330	325	324	314	316	314	321	319	324	322			
25	253	257	259	263	259	256	246	238	235	226	228	228	235	237	243	245			
30	165	171	171	173	169	164	154	148	145	139	140	140	146	148	155	158			
35	92.8	96.5	95.5	95.7	90.9	87.7	80.9	77.8	76.5	73.0	74.9	74.7	79.5	81.1	86.6	88.3			
40	46.9	48.7	47.6	47.3	44.5	43.1	39.9	38.7	38.1	36.7	37.6	37.8	40.2	41.3	44.1	45.1			
45	24.4	25.1	24.5	24.2	22.9	22.2	20.8	20.3	20.2	19.5	20.0	20.1	21.4	21.9	23.3	23.7			
50	13.7	14.0	13.6	13.4	12.7	12.4	11.7	11.4	11.4	11.0	11.3	11.4	12.1	12.4	13.2	13.3			
55	7.88	8.08	7.80	7.71	7.24	7.03	6.58	6.44	6.37	6.21	6.39	6.49	6.93	7.15	7.58	7.71			
60	4.49	4.57	4.38	4.30	3.99	3.87	3.58	3.56	3.52	3.40	3.54	3.58	3.86	4.00	4.30	4.38			
65	2.51	2.55	2.43	2.35	2.20	2.10	1.97	1.97	1.96	1.90	1.98	2.02	2.16	2.22	2.39	2.44			
70	1.36	1.39	1.31	1.23	1.11	1.07	0.96	0.94	0.91	0.87	0.93	0.98	1.09	1.15	1.26	1.32			
75	0.40	0.39	0.39	0.34	0.32	0.26	0.27	0.25	0.25	0.24	0.23	0.26	0.25	0.30	0.32	0.38			
80	0.14	0.10	0.13	0.10	0.12	0.09	0.10	0.07	0.07	0.11	0.06	0.10	0.08	0.13	0.09	0.16			
85	0.06	0.04	0.05	0.03	0.04	0.01	0.03	0.00	0.00	0.03	0.00	0.03	0.01	0.05	0.03	0.07			
90	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			
95	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	0.00	0.00	0.00			
100	0.00	0.01	0.00	0.01	0.00	0.02	0.00	0.01	0.01	0.00	0.02	0.00	0.02	0.00	0.01	0.00			
105	0.00	0.03	0.00	0.03	0.01	0.04	0.00	0.04	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.00			
110	0.03	0.07	0.03	0.07	0.03	0.07	0.04	0.07	0.07	0.04	0.07	0.04	0.07	0.04	0.06	0.03			
115	0.09	0.12	0.10	0.12	0.10	0.13	0.09	0.14	0.13	0.09	0.13	0.10	0.12	0.09	0.11	0.05			
120	0.20	0.22	0.17	0.22	0.25	0.25	0.25	0.26	0.23	0.25	0.24	0.25	0.23	0.17	0.20	0.17			
125	0.34	0.38	0.33	0.38	0.36	0.41	0.38	0.43	0.39	0.36	0.39	0.36	0.38	0.33	0.35	0.31			
130	0.58	0.60	0.57	0.60	0.58	0.63	0.60	0.66	0.60	0.59	0.61	0.58	0.60	0.55	0.56	0.53			
135	0.86	0.86	0.83	0.86	0.86	0.90	0.88	0.93	0.86	0.84	0.87	0.84	0.86	0.81	0.82	0.79			
140	1.15	1.18	1.14	1.18	1.15	1.20	1.20	1.24	1.16	1.13	1.18	1.13	1.16	1.11	1.12	1.08			
145	1.49	1.50	1.46	1.50	1.48	1.53	1.50	1.56	1.48	1.45	1.49	1.45	1.48	1.42	1.44	1.38			
150	1.81	1.82	1.78	1.81	1.78	1.83	1.83	1.88	1.79	1.76	1.80	1.76	1.78	1.72	1.74	1.69			
155	2.11	2.13	2.09	2.12	2.10	2.14	2.11	2.17	2.09	2.05	2.09	2.05	2.07	2.01	2.03	1.98			
160	2.39	2.41	2.36	2.38	2.36	2.40	2.39	2.44	2.36	2.32	2.36	2.31	2.33	2.26	2.29	2.24			
165	2.61	2.64	2.59	2.62	2.60	2.64	2.60	2.66	2.62	2.57	2.60	2.54	2.57	2.51	2.52	2.47			
170	2.82	2.85	2.80	2.83	2.80	2.84	2.81	2.85	2.85	2.81	2.83	2.77	2.79	2.74	2.75	2.68			
175	3.01	3.01	2.96	3.01	2.96	3.00	2.96	3.00	3.03	2.96	3.01	2.96	2.98	2.95	2.95	2.88			
180	3.10	3.11	3.10	3.09	3.08	3.07	3.04	3.04	3.11	3.11	3.10	3.09	3.08	3.04	3.04	3.04			

C Range: 0 - 360DEG
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