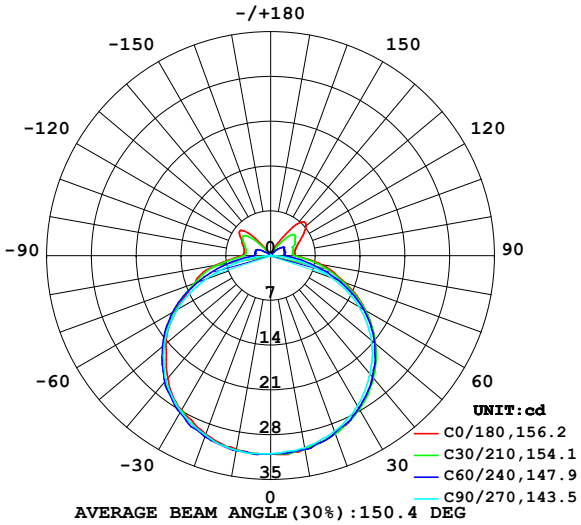
LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: HCP-3466250 R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

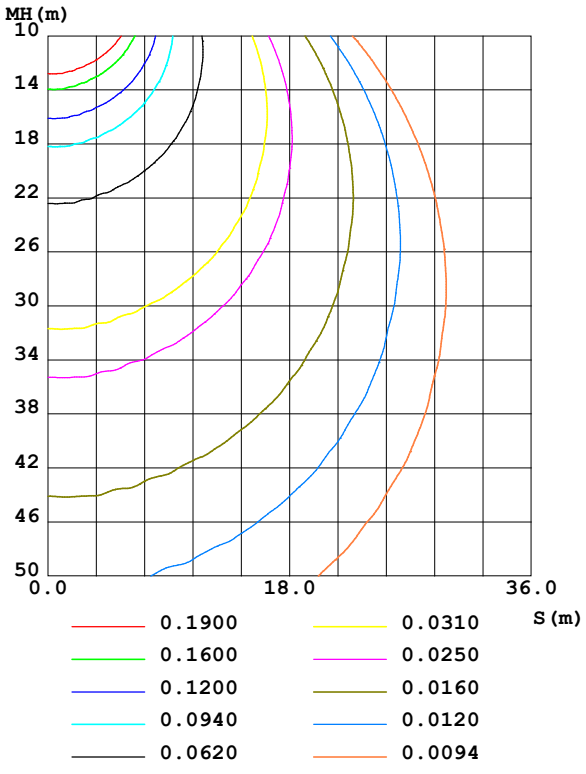
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 23.77 lm/W	
MODEL	HCP-3466251	Imax(cd)	31.24	S/MH(C0/180)	1.34
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.35
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	119.72	η UP,DN(C0-180)	6.1,43.4
NOMINAL FLUX(lm)	119.721	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	5.7,44.7
LAMPS INSIDE	1	η up(%)	11.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	88.2	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(30%):150.4 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	30.57	30.77	30.51	30.68	30.73	30.91	30.90	30.96	0- 10	2.951	2.951	2.47,2.47
20	29.57	29.50	29.19	29.27	29.72	30.06	29.82	29.83	10- 20	8.565	11.52	9.62,9.62
30	27.62	27.65	27.13	27.23	27.85	28.15	28.11	28.04	20- 30	13.28	24.79	20.7,20.7
40	24.84	24.91	24.13	24.68	25.00	25.78	25.48	25.54	30- 40	16.62	41.41	34.6,34.6
50	21.38	21.30	20.57	20.95	21.40	21.90	21.72	21.90	40- 50	18.02	59.43	49.6,49.6
60	17.17	16.93	15.95	16.86	17.01	17.63	16.84	17.43	50- 60	17.28	76.71	64.1,64.1
70	12.36	11.63	10.14	11.73	12.70	12.38	10.74	12.02	60- 70	14.32	91.02	76,76
80	8.082	6.538	3.861	7.040	8.752	7.452	4.137	6.678	70- 80	9.751	100.8	84.2,84.2
90	3.998	3.002	0.1656	3.359	4.580	3.420	0.0299	2.832	80- 90	4.766	105.5	88.2,88.2
100	3.834	2.835	0	3.154	4.182	3.195	0	2.831	90-100	2.937	108.5	90.6,90.6
110	4.369	2.980	0	3.301	4.577	3.384	0	3.135	100-110	2.926	111.4	93.1,93.1
120	5.572	3.403	0	3.190	5.323	3.360	0	3.427	110-120	3.010	114.4	95.6,95.6
130	7.219	3.418	0	2.337	6.150	2.423	0	3.014	120-130	2.820	117.2	97.9,97.9
140	6.505	2.040	0.0059	0.5242	2.662	0.5200	0	1.401	130-140	1.855	119.1	99.5,99.5
150	2.282	0.7169	0.0146	0.0234	0.0202	0.0262	0	0.2399	140-150	0.5152	119.6	99.9,99.9
160	0.5028	0.2167	0.0146	0.0234	0.0116	0.0204	0	0.0263	150-160	0.0966	119.7	100,100
170	0.0872	0.0291	0.0146	0.0248	0.0116	0.0189	0	0.0219	160-170	0.0159	119.7	100,100
180	0.0145	0.0160	0.0175	0.0204	0.0116	0.0116	0.0117	0.0219	170-180	0.0019	119.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

0 - 60 DEG Zonal Flux:76.707 %lum: 64.1%
0 - 60 DEG Zonal Flux:76.707 %lum: 64.1%
All measured values may vary less than 35 %
from the average measured value in the 0 to 130 deg. zone: 16.9%
All measured values in the 0 to 130 deg. zone
may vary less than 50% from the average value of itself: 24.6%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

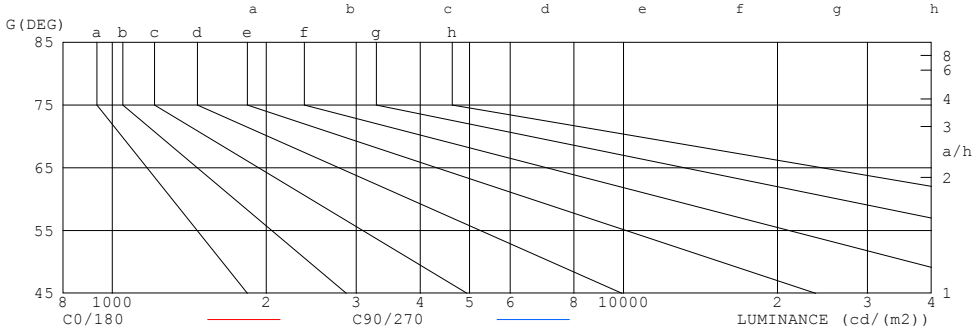
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: HCP-3466250 R	**TYPE: 2835 R**	**WEIGHT:**
SPEC.:	**DIM.: 1*0.012**	**SERIAL No.:**
MFR.: HAVIT COMMERCIAL	**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	629	157
80	468	222
75	396	268
70	363	296
65	353	311
60	345	318
55	339	320
50	334	319
45	331	317

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

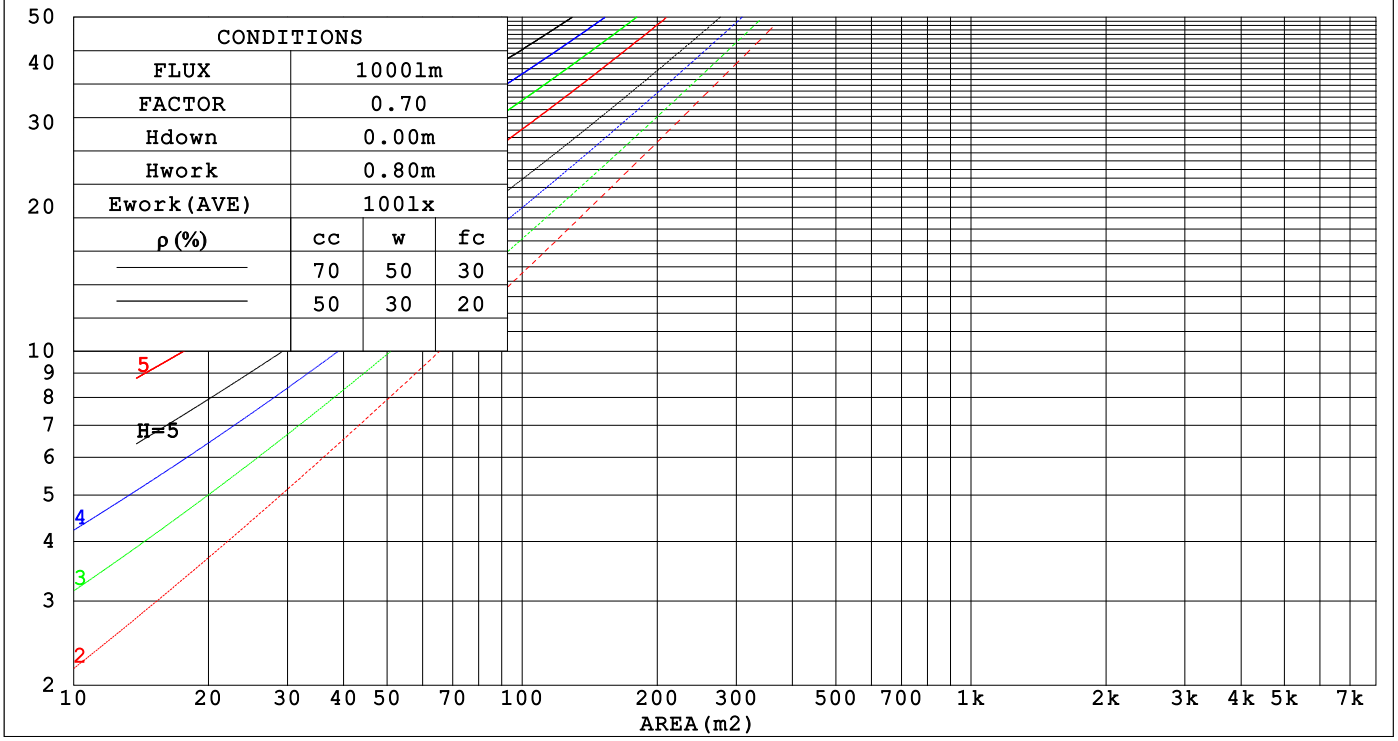
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: HCP-3466250 R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	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	1.16	1.16	1.16	1.12	1.12	1.12	1.05	1.05	1.05	.98	.98	.98	.91	.91	.91	.88
1.0	.99	.95	.90	.96	.92	.88	.89	.86	.83	.83	.81	.78	.78	.76	.74	.71
2.0	.86	.78	.72	.83	.76	.70	.77	.72	.67	.72	.68	.64	.67	.64	.61	.58
3.0	.75	.66	.59	.72	.64	.58	.67	.61	.55	.63	.58	.53	.59	.54	.51	.48
4.0	.66	.57	.50	.64	.55	.49	.59	.52	.47	.56	.50	.45	.52	.47	.43	.40
5.0	.58	.49	.42	.57	.48	.41	.53	.46	.40	.50	.43	.38	.47	.41	.37	.34
6.0	.52	.43	.37	.51	.42	.36	.48	.40	.35	.45	.38	.33	.42	.37	.32	.30
7.0	.47	.38	.32	.46	.37	.31	.43	.36	.30	.41	.34	.29	.38	.33	.28	.26
8.0	.43	.34	.28	.42	.34	.28	.39	.32	.27	.37	.31	.26	.35	.30	.25	.23
9.0	.39	.31	.25	.38	.30	.25	.36	.29	.24	.34	.28	.23	.32	.27	.23	.21
10.0	.36	.28	.23	.35	.28	.22	.33	.27	.22	.32	.26	.21	.30	.25	.21	.19

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: HCP-3466250 R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	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	.342	.195	.062	.331	.189	.060	.311	.179	.057	.293	.169	.054	.276	.160	.052	
2.0	.310	.170	.052	.301	.166	.051	.283	.157	.049	.266	.149	.047	.250	.142	.045	
3.0	.282	.150	.045	.273	.146	.044	.257	.139	.042	.242	.133	.041	.228	.126	.039	
4.0	.257	.134	.039	.250	.131	.039	.235	.125	.037	.221	.119	.036	.209	.113	.035	
5.0	.236	.120	.035	.229	.118	.034	.216	.112	.033	.203	.107	.032	.192	.102	.031	
6.0	.218	.109	.031	.211	.107	.031	.199	.102	.030	.188	.098	.029	.177	.093	.028	
7.0	.202	.100	.028	.196	.098	.028	.185	.093	.027	.175	.090	.026	.165	.086	.025	
8.0	.188	.092	.026	.182	.090	.025	.172	.086	.025	.163	.083	.024	.154	.079	.023	
9.0	.175	.085	.024	.171	.083	.023	.161	.080	.023	.153	.077	.022	.145	.073	.021	
10.0	.165	.079	.022	.160	.077	.022	.152	.074	.021	.144	.071	.020	.136	.068	.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	.281	.281	.281	.240	.240	.240	.164	.164	.164	.094	.094	.094	.030	.030	.030	
1.0	.274	.247	.223	.234	.212	.192	.160	.146	.133	.092	.084	.077	.030	.027	.025	
2.0	.266	.223	.187	.228	.192	.162	.156	.133	.113	.090	.077	.066	.029	.025	.022	
3.0	.259	.206	.165	.222	.178	.143	.152	.124	.100	.088	.072	.059	.028	.023	.019	
4.0	.251	.194	.150	.216	.167	.130	.148	.117	.092	.086	.068	.054	.028	.022	.018	
5.0	.244	.184	.139	.209	.159	.121	.144	.111	.085	.084	.065	.051	.027	.021	.017	
6.0	.237	.176	.132	.203	.152	.115	.140	.106	.081	.081	.063	.048	.026	.020	.016	
7.0	.230	.169	.126	.198	.146	.110	.137	.103	.078	.079	.060	.046	.026	.020	.015	
8.0	.223	.163	.122	.192	.142	.106	.133	.099	.075	.077	.059	.045	.025	.019	.015	
9.0	.217	.158	.119	.187	.137	.104	.130	.097	.074	.076	.057	.044	.024	.019	.015	
10.0	.211	.154	.116	.182	.134	.101	.126	.094	.072	.074	.056	.043	.024	.018	.014	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: HCP-3466250 R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	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	15.9	17.3	16.4	17.8	18.2	15.7	17.1	16.1	17.5	17.9
3H	17.8	19.1	18.3	19.6	20.1	17.3	18.6	17.7	19.0	19.5
4H	18.8	20.0	19.3	20.5	21.0	17.9	19.1	18.4	19.6	20.1
6H	19.8	20.9	20.3	21.4	21.9	18.3	19.5	18.8	19.9	20.5
8H	20.2	21.3	20.7	21.8	22.4	18.4	19.5	18.9	20.0	20.5
12H	20.7	21.7	21.2	22.2	22.8	18.4	19.5	18.9	20.0	20.6
4H 2H	16.6	17.8	17.1	18.3	18.8	16.4	17.6	16.8	18.1	18.6
3H	18.7	19.7	19.2	20.2	20.8	18.2	19.3	18.7	19.8	20.3
4H	19.8	20.8	20.3	21.3	21.9	18.9	19.9	19.5	20.5	21.0
6H	20.9	21.8	21.5	22.3	23.0	19.5	20.4	20.0	20.9	21.5
8H	21.5	22.3	22.0	22.8	23.5	19.6	20.5	20.2	21.0	21.7
12H	22.0	22.8	22.6	23.3	24.0	19.7	20.5	20.3	21.1	21.7
8H 4H	20.1	20.9	20.7	21.5	22.1	19.4	20.2	19.9	20.7	21.4
6H	21.5	22.1	22.1	22.7	23.4	20.1	20.8	20.7	21.4	22.1
8H	22.2	22.8	22.8	23.4	24.1	20.4	21.0	21.0	21.6	22.3
12H	22.9	23.4	23.6	24.1	24.8	20.6	21.1	21.2	21.7	22.5
12H 4H	20.1	20.8	20.7	21.4	22.1	19.4	20.2	20.0	20.8	21.4
6H	21.5	22.1	22.2	22.8	23.5	20.3	20.9	20.9	21.5	22.2
8H	22.3	22.9	23.0	23.5	24.2	20.7	21.2	21.3	21.8	22.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 119.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.4)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: HCP-3466250 R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

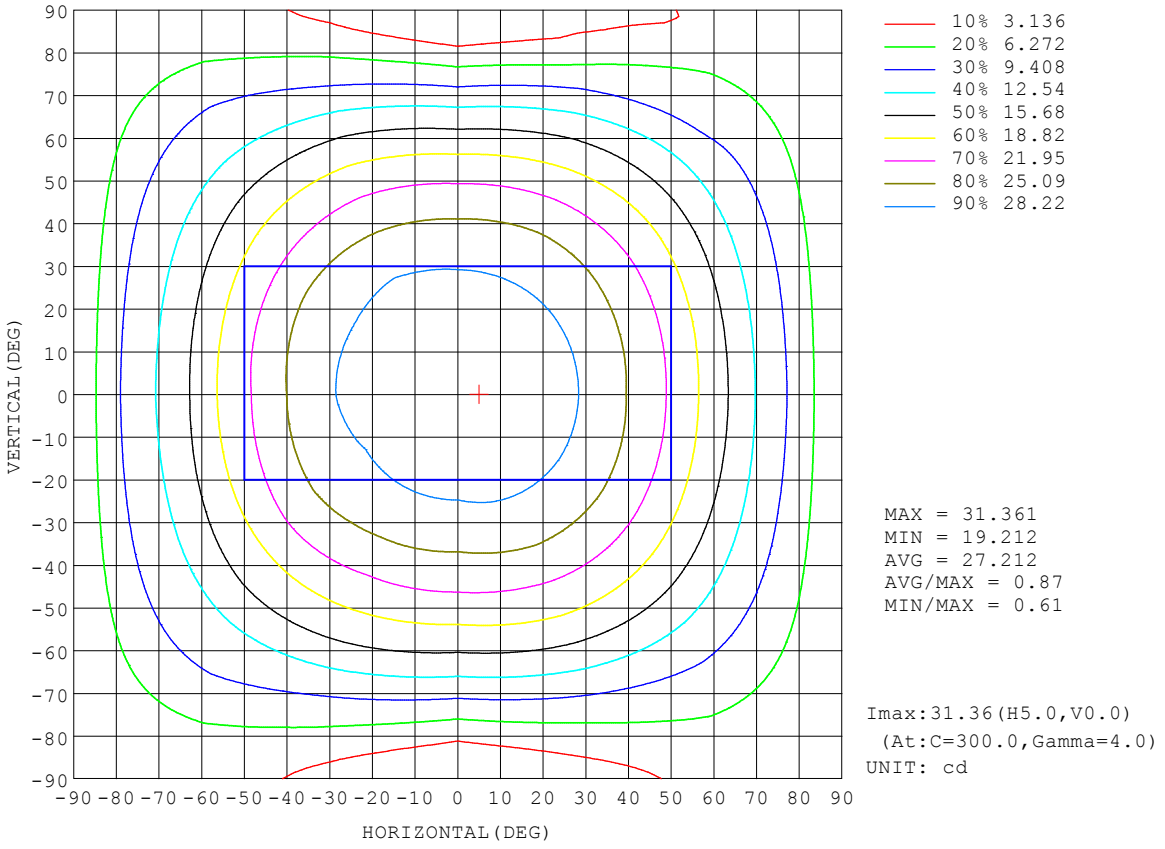
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	51	39	32	50	39	32	49	38	32	25
0.80	61	49	41	60	48	41	57	47	40	32
1.00	69	57	49	67	56	49	64	57	48	39
1.25	76	65	57	74	63	56	70	61	55	46
1.50	81	70	62	79	69	62	75	66	60	50
2.00	89	79	71	86	77	70	81	73	68	57
2.50	93	84	77	90	82	75	84	78	72	61
3.00	97	88	82	93	86	80	88	82	77	65
4.00	101	94	89	98	91	86	91	86	82	70
5.00	104	98	93	100	95	90	94	89	86	73
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: HCP-3466250 R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

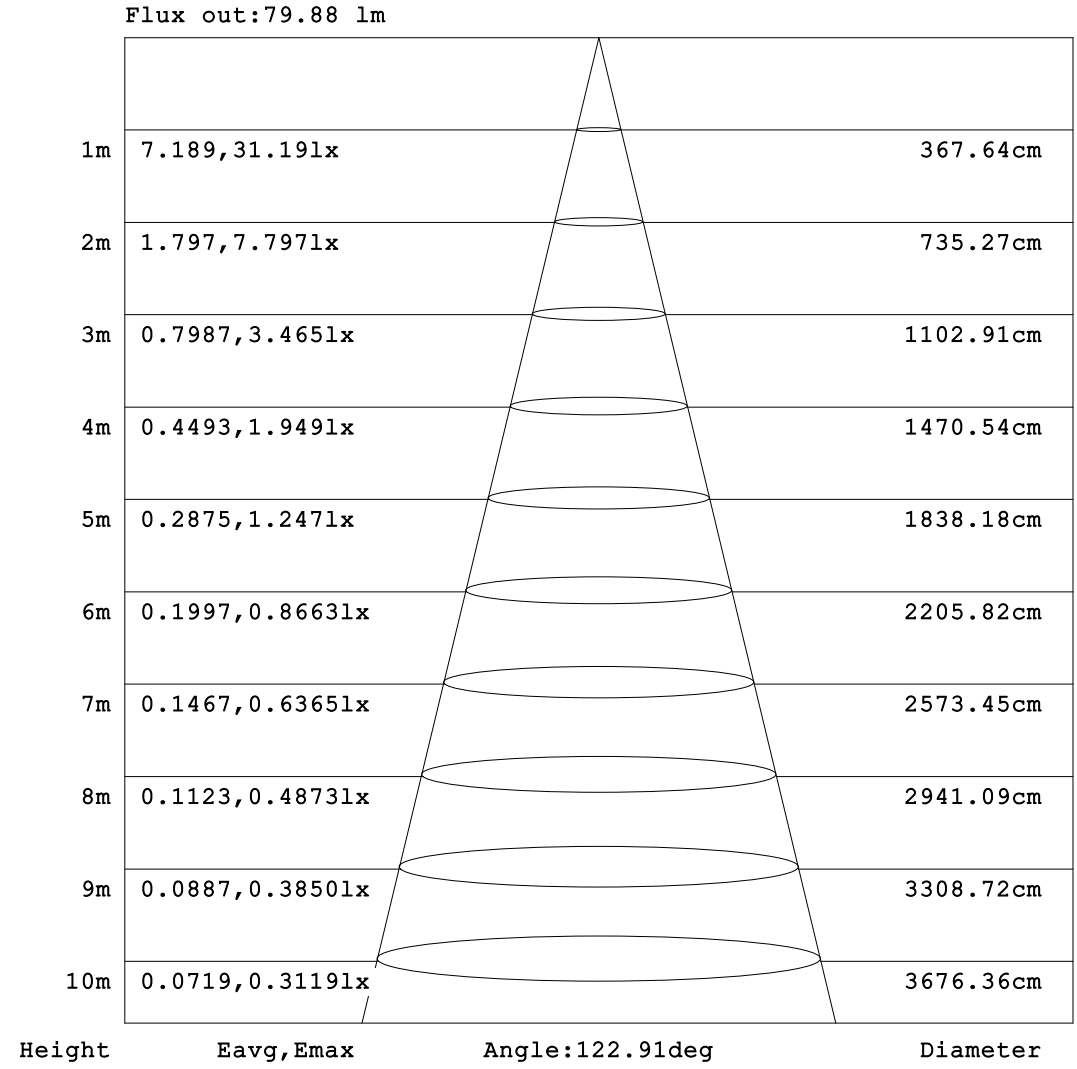


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

AAI Figure

NAME: HCP-3466250 R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



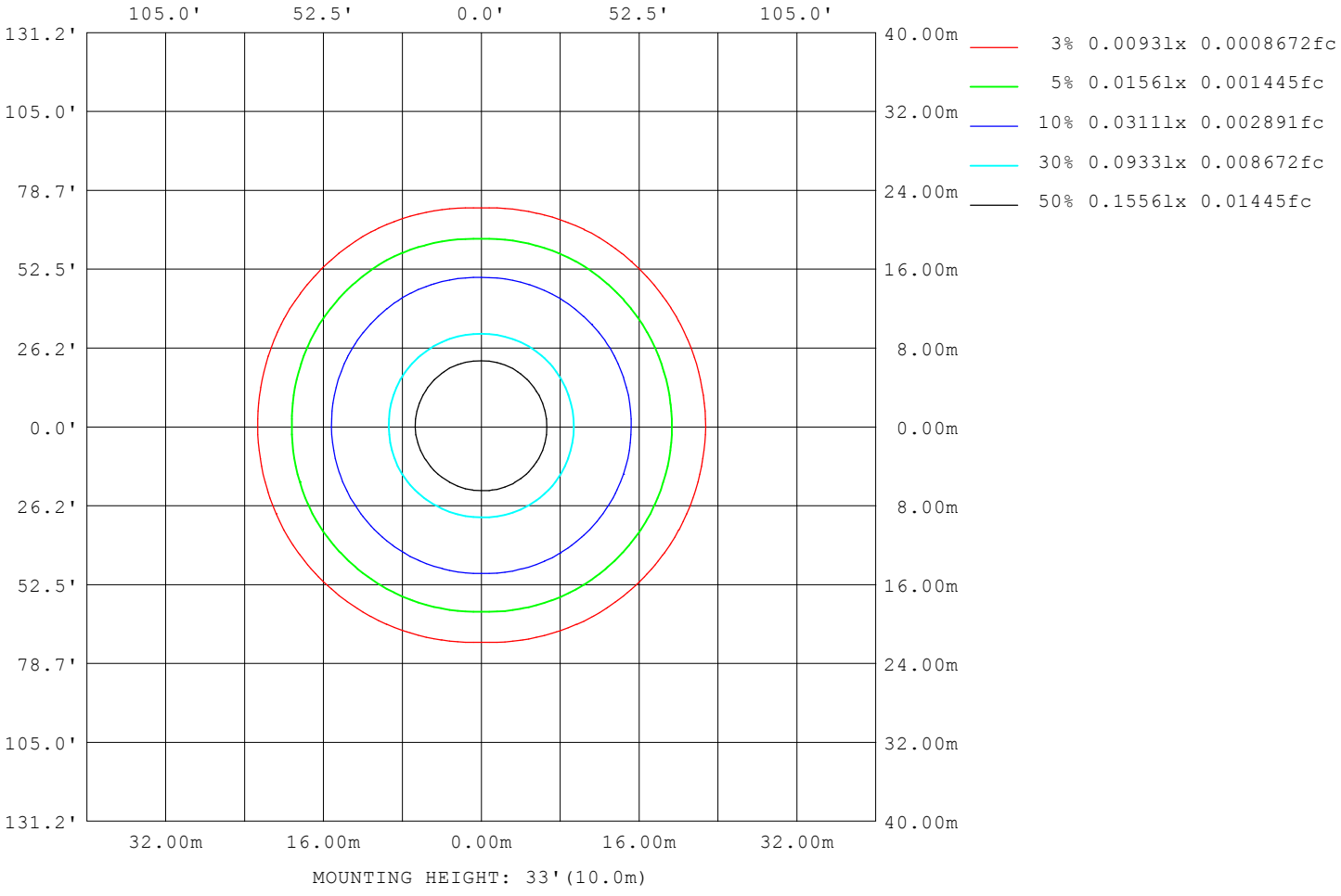
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: HCP-3466250 R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: HCP-3466250 R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

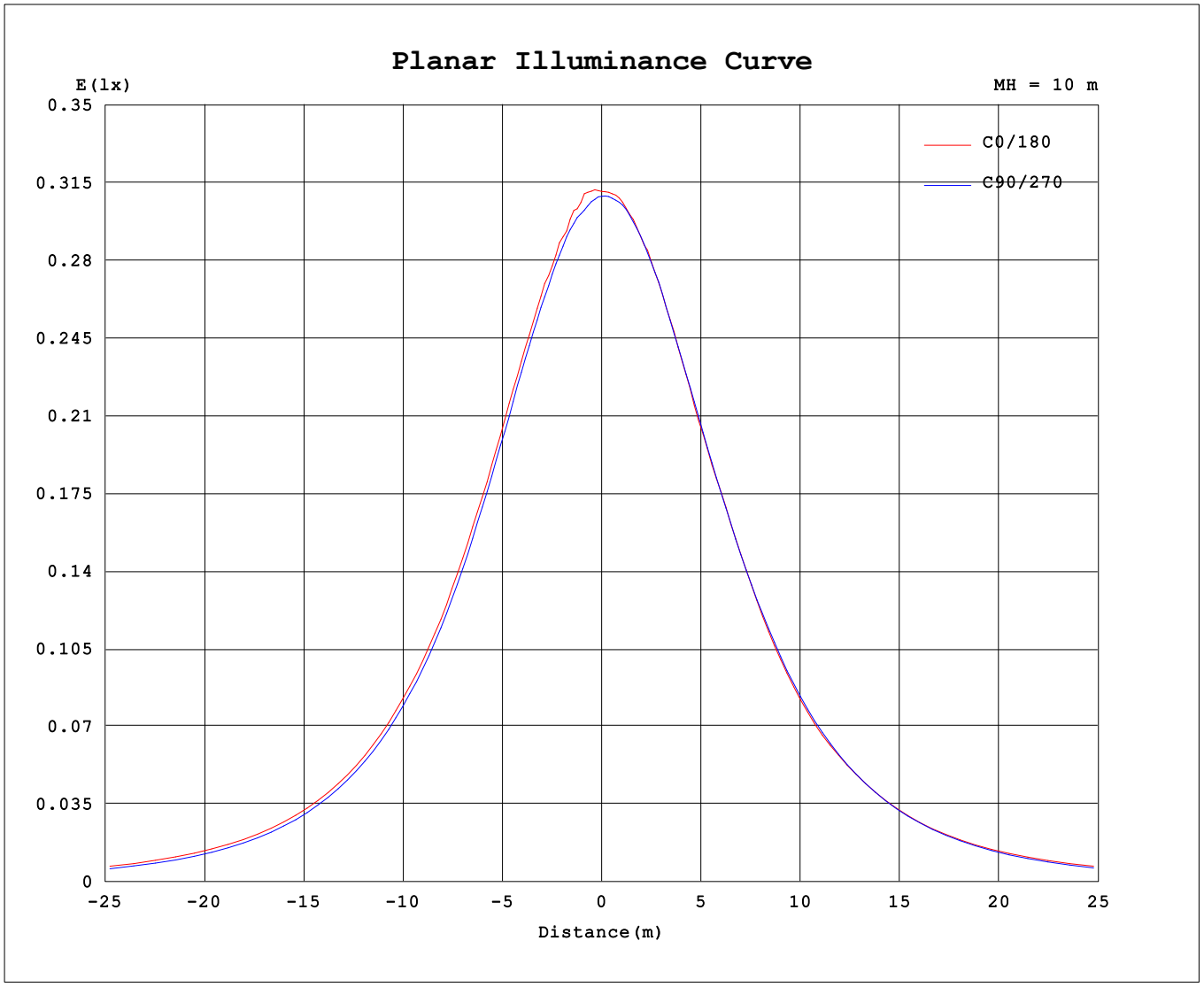
AvgL	cd/m2
L_0~180(65)av	349
L_0~180(75)av	415
L_0~180(85)av	664
L_90~270(65)av	321
L_90~270(75)av	278
L_90~270(85)av	152
L_45(65)av	348
L_45(75)av	363
L_45(85)av	530

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HCP-3466250 R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

Table--1 UNIT: cd

C(DEG) / γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
5	31.2	31.1	30.9	30.7	30.9	31.0	31.0	31.0	31.2	31.0	31.2	31.2
10	30.6	30.8	30.8	30.5	30.6	30.7	30.7	30.9	31.0	30.9	31.0	30.9
15	30.2	30.2	30.2	29.9	30.0	30.2	30.3	30.6	30.5	30.5	30.5	30.3
20	29.6	29.6	29.4	29.2	29.2	29.4	29.7	30.0	30.1	29.8	29.9	29.8
25	28.8	28.8	28.7	28.2	28.3	28.3	28.7	29.0	29.5	29.1	29.0	28.9
30	27.6	27.7	27.6	27.1	27.2	27.3	27.9	28.0	28.3	28.1	28.1	28.0
35	26.4	26.6	26.3	25.7	25.8	26.4	26.7	27.0	27.1	26.9	26.9	26.7
40	24.8	25.0	24.8	24.1	24.3	25.1	25.0	25.8	25.8	25.5	25.8	25.3
45	23.3	23.3	23.1	22.5	22.6	23.3	23.1	23.9	24.0	23.7	23.8	23.7
50	21.4	21.4	21.2	20.6	20.7	21.2	21.4	21.7	22.1	21.7	21.9	21.9
55	19.3	19.3	19.1	18.4	18.7	19.0	19.4	19.7	20.0	19.4	19.8	19.9
60	17.2	17.1	16.8	16.0	16.6	17.1	17.0	17.5	17.7	16.8	17.4	17.5
65	14.9	14.6	14.1	13.2	14.0	14.6	14.7	15.1	15.0	13.9	14.8	15.0
70	12.4	12.0	11.2	10.1	11.3	12.2	12.7	12.6	12.1	10.7	11.8	12.2
75	10.2	9.66	8.28	6.96	8.49	10.3	11.3	10.8	9.16	7.41	8.70	9.38
80	8.08	7.52	5.55	3.86	5.98	8.10	8.75	8.42	6.48	4.14	5.73	7.62
85	5.45	5.15	3.38	1.37	3.69	5.59	6.12	5.74	3.99	1.27	3.35	5.10
90	4.00	3.73	2.28	0.17	2.55	4.17	4.58	4.22	2.61	0.03	2.08	3.58
95	3.78	3.46	2.19	0.00	2.45	3.89	4.20	3.95	2.47	0.00	2.13	3.47
100	3.83	3.48	2.19	0.00	2.42	3.89	4.18	3.92	2.47	0.00	2.22	3.45
105	4.04	3.67	2.28	0.00	2.42	4.01	4.32	4.04	2.49	0.00	2.29	3.54
110	4.37	3.67	2.29	0.00	2.38	4.22	4.58	4.29	2.48	0.00	2.32	3.95
115	4.88	4.25	2.34	0.00	2.09	4.56	4.99	4.65	2.26	0.00	2.40	4.35
120	5.57	4.39	2.41	0.00	1.45	4.93	5.32	5.05	1.67	0.00	2.40	4.45
125	6.44	4.71	2.31	0.00	0.61	5.17	5.98	5.33	0.79	0.00	2.14	4.64
130	7.22	5.00	1.84	0.00	0.07	4.60	6.15	4.76	0.08	0.00	1.31	4.72
135	7.45	4.61	1.25	0.01	0.03	3.01	5.03	3.11	0.02	0.00	0.49	4.22
140	6.51	3.30	0.78	0.01	0.03	1.01	2.66	1.02	0.02	0.00	0.11	2.70
145	4.05	1.90	0.50	0.01	0.02	0.10	0.63	0.13	0.02	0.00	0.02	1.18
150	2.28	1.12	0.31	0.01	0.02	0.02	0.02	0.03	0.02	0.00	0.02	0.46
155	1.18	0.64	0.18	0.01	0.02	0.02	0.01	0.03	0.02	0.00	0.02	0.09
160	0.50	0.33	0.10	0.01	0.02	0.02	0.01	0.02	0.02	0.00	0.02	0.03
165	0.24	0.14	0.05	0.01	0.03	0.02	0.01	0.02	0.01	0.00	0.02	0.02
170	0.09	0.04	0.02	0.01	0.03	0.02	0.01	0.02	0.01	0.00	0.02	0.02
175	0.02	0.01	0.02	0.01	0.02	0.02	0.01	0.02	0.01	0.01	0.02	0.02
180	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.02	0.02

C Range: 0 - 360DEG
C Interval: 30.0DEG
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γ Range: 0 - 180DEG
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