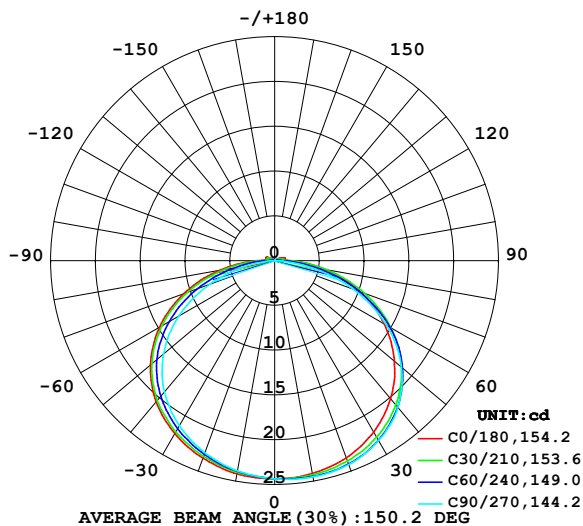


LUMINAIRE PHOTOMETRIC TEST REPORT

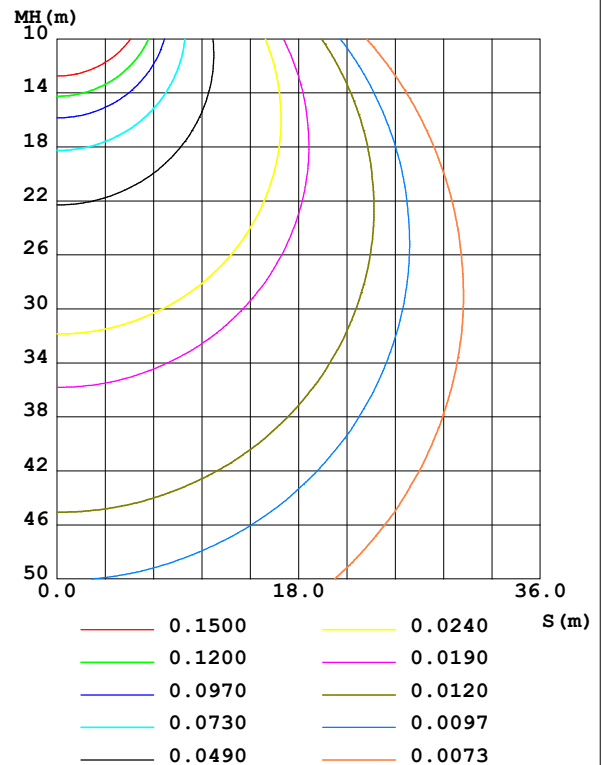
NAME: HCP-3456251-B	TYPE: 2835 B	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 4.38 lm/W
MODEL	HCP-3456251	Imax (cd)	24.52	S/MH (C0/180)	1.37	
NOMINAL POWER (W)	20	LOR (%)	100.0	S/MH (C90/270)	1.30	
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	87.503	η UP, DN (C0-180)	1.0, 50.6	
NOMINAL FLUX (lm)	87.5026	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.1, 47.3	
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	24	η down (%)	97.9	CIBSE SHR MAX	1.55	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JING
Test Date: 2022-05-23

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	24.14	24.37	24.51	24.42	24.17	23.94	23.84	23.91	0- 10	2.316	2.316	2.65,2.65
20	23.42	23.98	24.22	24.03	23.46	23.13	22.81	23.01	10- 20	6.759	9.075	10.4,10.4
30	22.11	22.95	23.20	23.18	22.29	21.87	21.28	21.63	20- 30	10.62	19.69	22.5,22.5
40	20.14	21.20	21.39	21.62	20.58	20.09	19.14	19.71	30- 40	13.48	33.18	37.9,37.9
50	17.45	18.56	18.49	19.14	18.11	17.54	16.20	17.06	40- 50	14.91	48.09	55,55
60	14.12	14.95	14.44	15.54	14.82	14.04	12.34	13.56	50- 60	14.50	62.59	71.5,71.5
70	10.17	10.37	9.287	10.90	10.80	9.749	7.696	9.328	60- 70	12.05	74.64	85.3,85.3
80	5.788	5.385	3.719	5.666	6.209	5.031	2.841	4.781	70- 80	7.870	82.51	94.3,94.3
90	1.847	1.411	0.0029	1.431	1.975	1.324	0	1.309	80- 90	3.154	85.66	97.9,97.9
100	1.122	0.6920	0	0.6345	0.9381	0.6289	0	0.6964	90-100	0.8611	86.52	98.9,98.9
110	1.026	0.3334	0	0.4795	1.052	0.4703	0	0.3398	100-110	0.5718	87.10	99.5,99.5
120	0.4145	0.0552	0	0.1936	0.6372	0.1779	0	0.0920	110-120	0.3168	87.41	99.9,99.9
130	0.0351	0	0	0.0365	0.1280	0.0510	0	0.0044	120-130	0.0728	87.49	100,100
140	0	0	0	0.0116	0.0523	0.0204	0	0	130-140	0.0143	87.50	100,100
150	0	0	0	0	0	0.0029	0	0	140-150	0.0027	87.50	100,100
160	0	0	0	0	0	0	0	0	150-160	0.0001	87.50	100,100
170	0	0	0	0	0	0	0	0	160-170	0	87.50	100,100
180	0	0	0	0	0	0	0	0	170-180	0	87.50	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

0 - 60 DEG Zonal Flux:62.588 %lum: 71.5%
0 - 60 DEG Zonal Flux:62.588 %lum: 71.5%
All measured values may vary less than 35 %
from the average measured value in the 0 to 130 deg. zone: 14.2%
All measured values in the 0 to 130 deg. zone
may vary less than 50% from the average value of itself: 20.9%

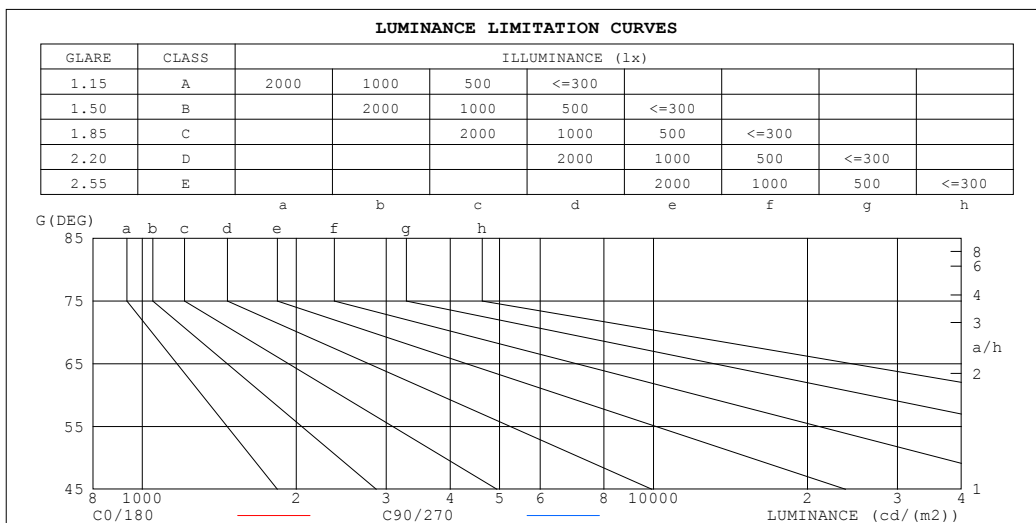
C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 30.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Temperature:25.3DEG	Humidity:65.0%
Operators:JING	Test Distance:6.070m [K=1.0000]
Test Date:2022-05-23	Remarks:

IES Flood Report

Photometric Filename: HCP-3456251-B.IES

LUMINANCE LIMITATION CURVES

NAME: HCP-3456251-B	TYPE: 2835 B	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	409	150
80	333	214
75	310	251
70	297	272
65	289	283
60	282	289
55	277	290
50	272	288
45	267	284

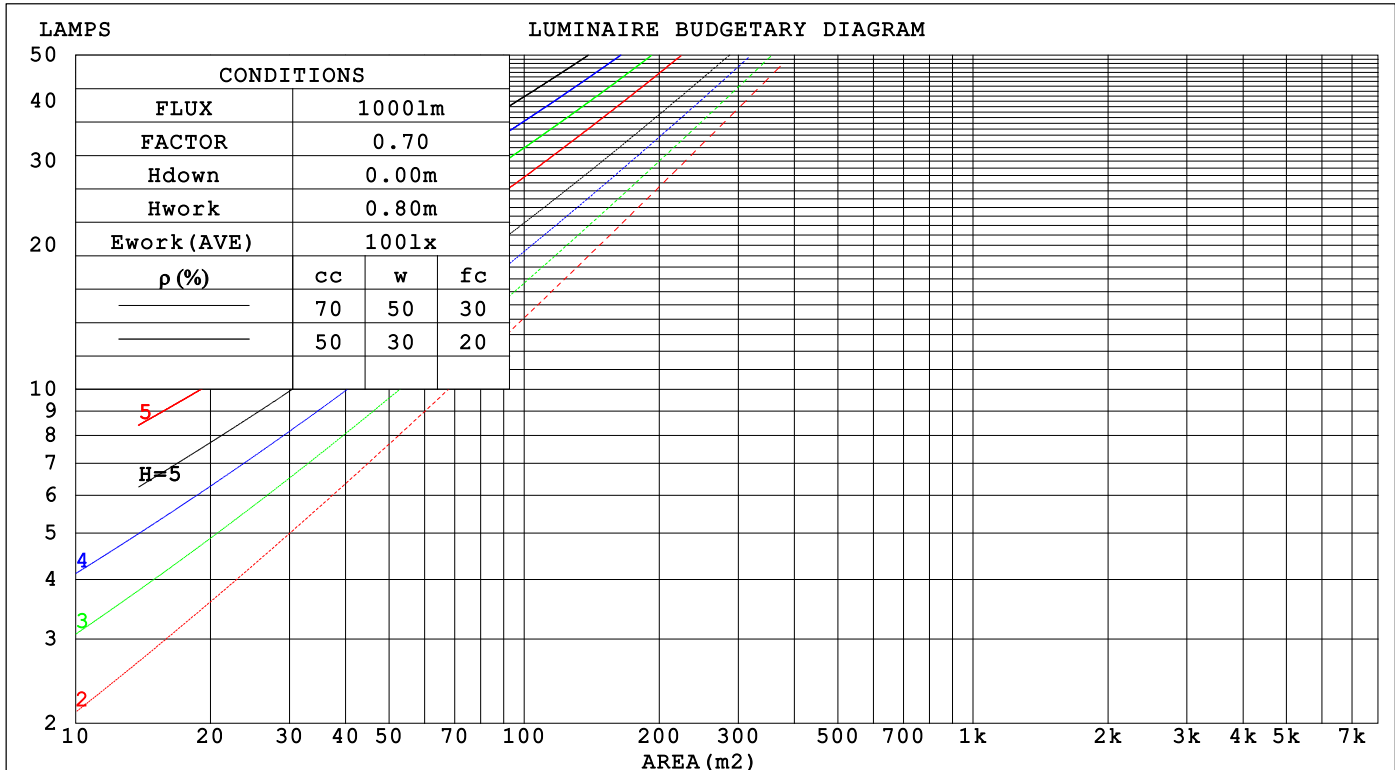
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JING
Test Date: 2022-05-23

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-3456251-B	TYPE: 2835 B	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.02	.97	.92	.99	.95	.91	.94	.91	.87	.90	.87	.84	.86	.84	.81	.79
2.0	.87	.80	.74	.85	.78	.73	.81	.76	.71	.78	.73	.69	.74	.70	.67	.64
3.0	.76	.67	.60	.74	.66	.60	.71	.64	.58	.68	.62	.57	.65	.60	.56	.53
4.0	.67	.57	.50	.65	.57	.50	.62	.55	.49	.60	.53	.48	.57	.52	.47	.45
5.0	.59	.50	.43	.58	.49	.42	.56	.48	.42	.53	.46	.41	.51	.45	.40	.38
6.0	.53	.44	.37	.52	.43	.37	.50	.42	.36	.48	.41	.36	.46	.40	.35	.33
7.0	.48	.39	.32	.47	.38	.32	.45	.37	.32	.44	.37	.31	.42	.36	.31	.29
8.0	.44	.35	.29	.43	.34	.29	.41	.34	.28	.40	.33	.28	.38	.32	.28	.26
9.0	.40	.31	.26	.39	.31	.25	.38	.30	.25	.37	.30	.25	.35	.29	.25	.23
10.0	.37	.29	.23	.36	.28	.23	.35	.28	.23	.34	.27	.23	.33	.27	.22	.21



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JING
Test Date: 2022-05-23

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-3456251-B	TYPE: 2835 B	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0														
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
pfc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Wall Exitance Coefficients(WEC)														
0.0																														
1.0	.345	.196	.062	.337	.192	.061	.322	.185	.059	.309	.178	.057	.297	.172	.055															
2.0	.316	.173	.053	.309	.170	.052	.296	.165	.051	.284	.159	.050	.273	.154	.049															
3.0	.288	.153	.046	.282	.151	.045	.271	.147	.045	.260	.142	.044	.250	.138	.043															
4.0	.263	.137	.040	.258	.135	.040	.248	.131	.039	.238	.128	.039	.229	.124	.038															
5.0	.242	.123	.036	.237	.122	.035	.228	.118	.035	.219	.116	.034	.211	.113	.034															
6.0	.223	.112	.032	.218	.110	.032	.210	.108	.031	.202	.105	.031	.195	.103	.031															
7.0	.206	.102	.029	.202	.101	.029	.195	.099	.028	.188	.096	.028	.182	.094	.028															
8.0	.192	.094	.026	.188	.093	.026	.182	.091	.026	.176	.089	.026	.170	.087	.025															
9.0	.179	.087	.024	.176	.086	.024	.170	.084	.024	.164	.082	.024	.159	.081	.023															
10.0	.168	.081	.022	.165	.080	.022	.160	.078	.022	.155	.077	.022	.150	.075	.022															

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.206	.206	.206	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.199	.172	.148	.170	.148	.127	.116	.102	.088	.067	.059	.051	.021	.019	.017	
2.0	.192	.148	.111	.164	.127	.096	.113	.088	.067	.065	.051	.039	.021	.017	.013	
3.0	.184	.131	.088	.158	.113	.076	.109	.078	.054	.063	.046	.032	.020	.015	.010	
4.0	.177	.118	.073	.152	.102	.063	.104	.071	.044	.060	.042	.026	.019	.014	.009	
5.0	.169	.108	.062	.145	.093	.054	.100	.065	.038	.058	.038	.023	.019	.012	.007	
6.0	.162	.099	.054	.139	.086	.047	.096	.060	.033	.056	.035	.020	.018	.012	.007	
7.0	.155	.092	.049	.133	.080	.042	.092	.056	.030	.053	.033	.018	.017	.011	.006	
8.0	.148	.087	.044	.128	.075	.039	.088	.053	.028	.051	.031	.016	.017	.010	.005	
9.0	.142	.082	.041	.122	.071	.036	.085	.050	.026	.049	.029	.015	.016	.010	.005	
10.0	.136	.077	.039	.117	.067	.034	.081	.047	.024	.047	.028	.014	.015	.009	.005	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JING
Test Date:2022-05-23

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-3456251-B					TYPE: 2835 B					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					17.1	18.7	17.4	19.0	19.2	17.2	18.8	17.5	19.0	19.3
3H					19.1	20.5	19.4	20.8	21.1	18.9	20.4	19.2	20.6	20.9
4H					19.9	21.3	20.3	21.6	21.9	19.6	21.0	19.9	21.3	21.6
6H					20.7	22.0	21.1	22.4	22.7	20.0	21.3	20.4	21.7	22.0
8H					21.1	22.3	21.5	22.7	23.0	20.1	21.4	20.5	21.7	22.1
12H					21.4	22.6	21.8	22.9	23.3	20.2	21.4	20.6	21.7	22.1
4H 2H					17.9	19.3	18.3	19.6	19.9	17.9	19.3	18.3	19.6	19.9
3H					20.0	21.2	20.4	21.6	21.9	19.8	21.1	20.2	21.4	21.8
4H					21.1	22.2	21.5	22.5	22.9	20.7	21.8	21.1	22.1	22.5
6H					22.0	23.0	22.4	23.4	23.8	21.2	22.2	21.7	22.6	23.1
8H					22.4	23.4	22.9	23.8	24.2	21.4	22.4	21.9	22.8	23.2
12H					22.8	23.7	23.3	24.1	24.6	21.5	22.4	22.0	22.8	23.3
8H 4H					21.4	22.4	21.9	22.8	23.2	21.1	22.0	21.5	22.4	22.8
6H					22.6	23.4	23.1	23.8	24.3	21.9	22.6	22.3	23.1	23.6
8H					23.2	23.8	23.6	24.3	24.8	22.1	22.8	22.6	23.3	23.8
12H					23.7	24.3	24.2	24.8	25.3	22.3	22.9	22.9	23.4	24.0
12H 4H					21.5	22.3	21.9	22.7	23.2	21.1	22.0	21.6	22.4	22.9
6H					22.7	23.4	23.2	23.8	24.3	22.0	22.7	22.5	23.2	23.7
8H					23.3	23.9	23.8	24.4	24.9	22.4	23.0	22.9	23.4	24.0
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 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 87.50 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -8.5)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JING
Test Date:2022-05-23

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-3456251-B	TYPE: 2835 B	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

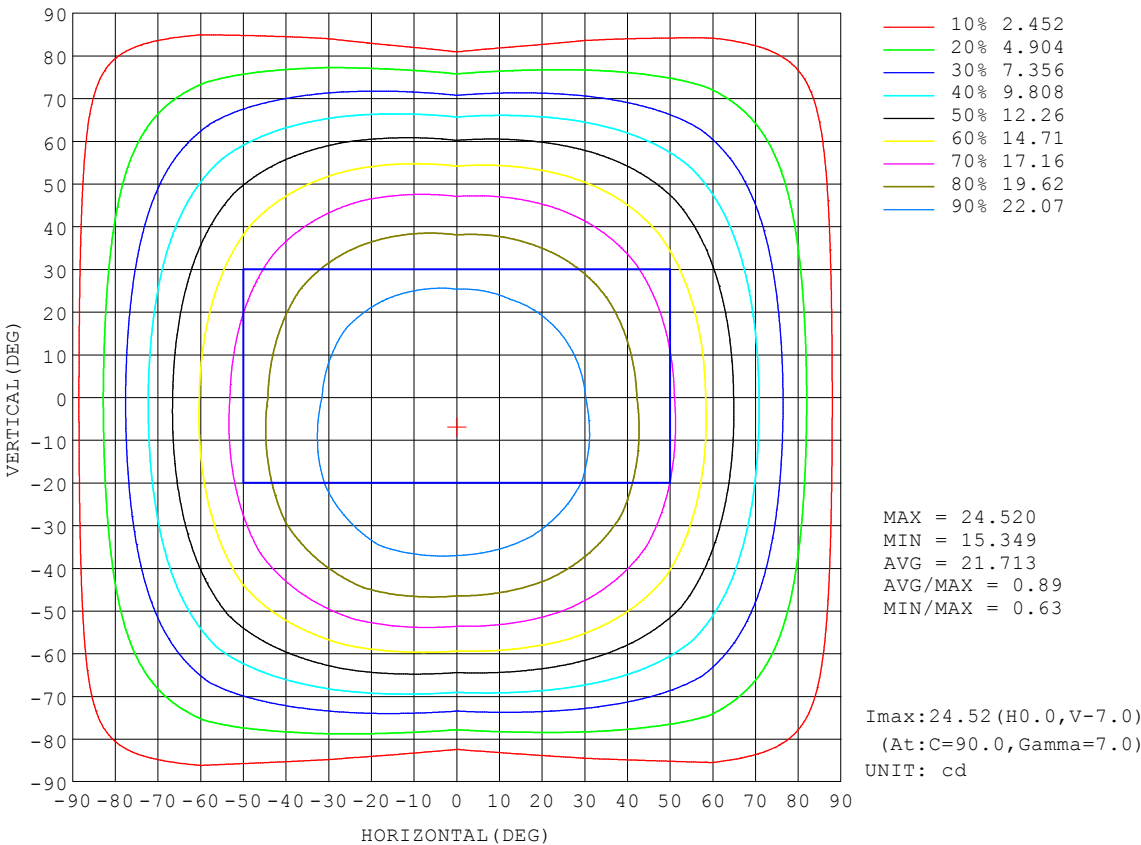
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	41	34	53	41	34	52	41	34	27
0.80	64	51	43	62	51	43	60	50	43	35
1.00	72	60	52	71	59	52	68	61	51	43
1.25	79	68	60	78	67	59	75	65	59	51
1.50	84	73	66	82	72	65	79	71	64	56
2.00	92	82	75	90	81	74	86	78	72	64
2.50	96	87	80	94	86	79	89	83	77	68
3.00	99	92	85	97	90	84	93	87	82	73
4.00	104	97	92	101	95	91	97	92	88	78
5.00	107	101	96	104	99	95	99	95	91	81
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: JING
Test Date: 2022-05-23

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

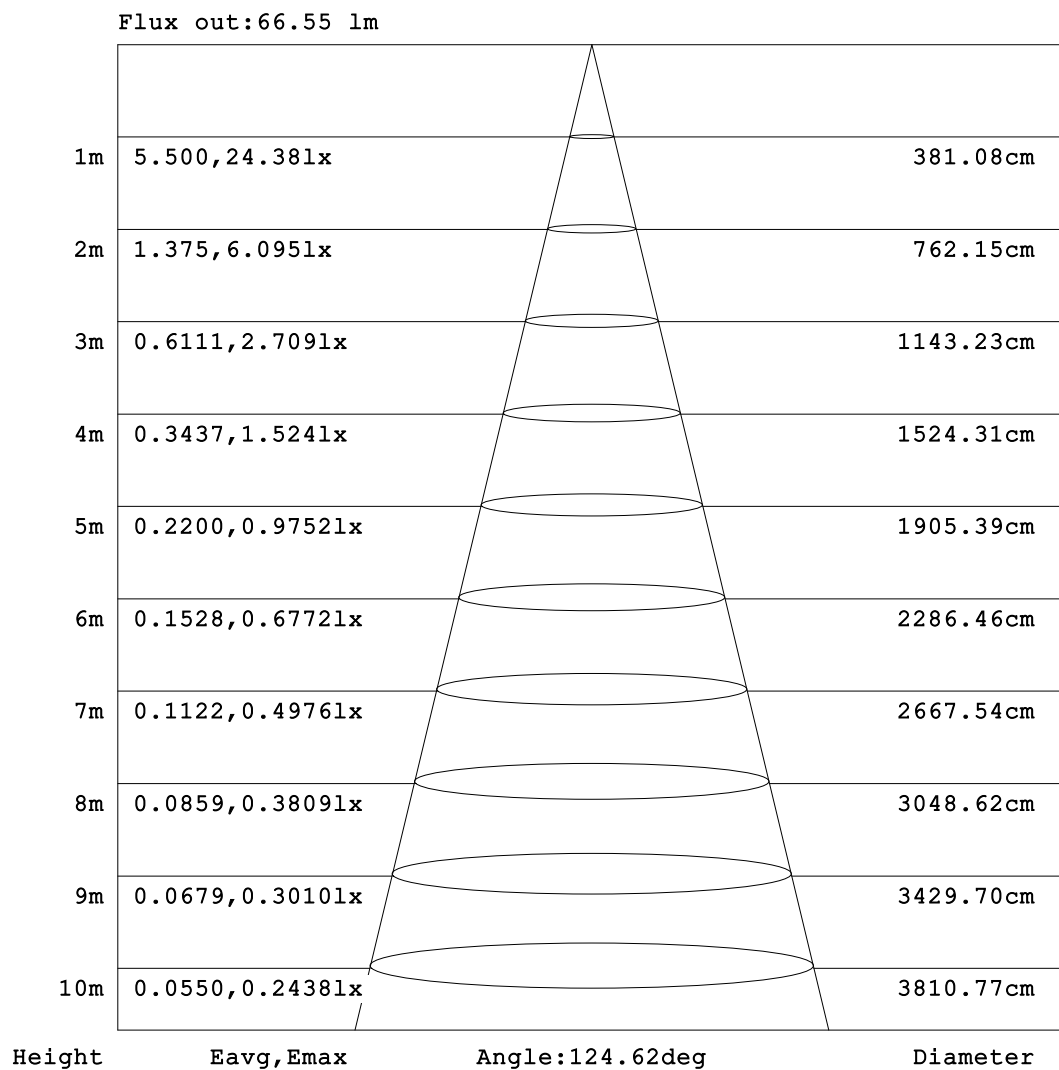
NAME: HCP-3456251-B	TYPE: 2835 B	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 30.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Temperature:25.3DEG	Humidity:65.0%
Operators:JING	Test Distance:6.070m [K=1.0000]
Test Date:2022-05-23	Remarks:

AAI Figure

NAME: HCP-3456251-B	TYPE: 2835 B	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:JING
Test Date:2022-05-23

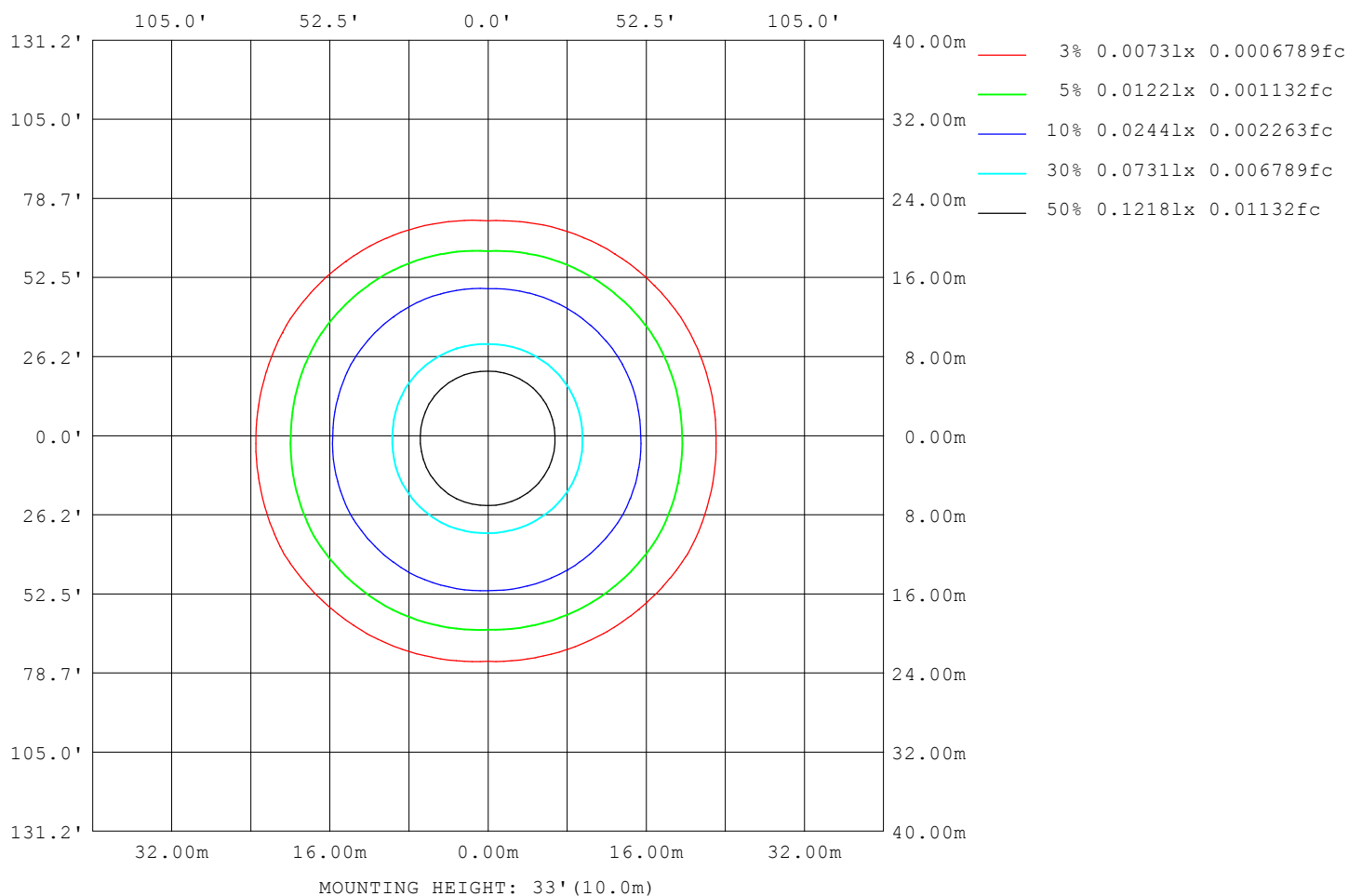
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

IES Flood Report

Photometric Filename: HCP-3456251-B.IES

ISOLUX DIAGRAM

NAME: HCP-3456251-B	TYPE: 2835 B	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: JING
 Test Date: 2022-05-23

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-3456251-B	TYPE: 2835 B	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

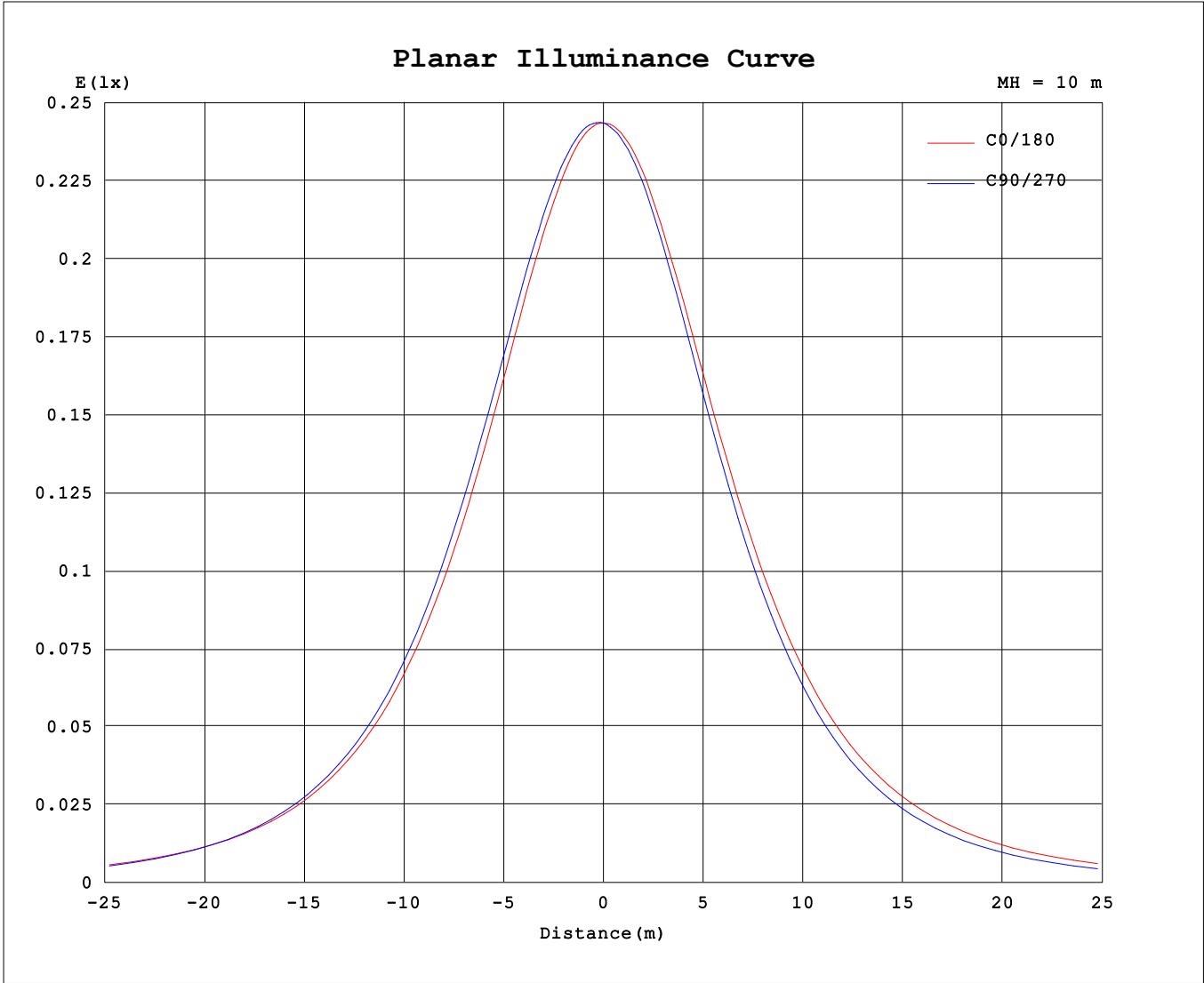
AvgL	cd/m2
L_0~180 (65) av	297
L_0~180 (75) av	320
L_0~180 (85) av	429
L_90~270 (65) av	261
L_90~270 (75) av	227
L_90~270 (85) av	120
L_45 (65) av	295
L_45 (75) av	299
L_45 (85) av	350

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JING
Test Date: 2022-05-23

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	γ Range: 0 - 180DEG
C Interval: 30.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Temperature: 25.3DEG	Humidity: 65.0%
Operators: JING	Test Distance: 6.070m [K=1.0000]
Test Date: 2022-05-23	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HCP-3456251-B	TYPE: 2835 B	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	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4							
5	24.3	24.4	24.5	24.5	24.5	24.4	24.3	24.2	24.2	24.1	24.2	24.2							
10	24.1	24.3	24.5	24.5	24.5	24.3	24.2	24.0	23.9	23.8	23.9	24.0							
15	23.8	24.1	24.4	24.5	24.4	24.1	23.9	23.7	23.5	23.4	23.4	23.6							
20	23.4	23.8	24.2	24.2	24.2	23.8	23.5	23.2	23.0	22.8	22.9	23.1							
25	22.8	23.4	23.8	23.8	23.9	23.4	23.0	22.7	22.4	22.1	22.2	22.5							
30	22.1	22.8	23.2	23.2	23.4	23.0	22.3	22.1	21.7	21.3	21.5	21.8							
35	21.2	22.0	22.4	22.4	22.7	22.3	21.5	21.3	20.8	20.3	20.6	20.9							
40	20.1	21.0	21.4	21.4	21.8	21.4	20.6	20.4	19.8	19.1	19.5	19.9							
45	18.9	19.9	20.1	20.1	20.6	20.4	19.4	19.2	18.6	17.8	18.3	18.7							
50	17.5	18.5	18.6	18.5	19.2	19.1	18.1	17.9	17.2	16.2	16.8	17.3							
55	15.9	16.9	16.9	16.6	17.5	17.5	16.6	16.3	15.5	14.4	15.1	15.7							
60	14.1	15.0	14.9	14.4	15.4	15.7	14.8	14.5	13.6	12.3	13.2	13.9							
65	12.2	12.9	12.5	12.0	13.1	13.6	12.9	12.5	11.5	10.1	11.1	12.0							
70	10.2	10.7	10.0	9.29	10.5	11.3	10.8	10.3	9.15	7.70	8.82	9.83							
75	8.02	8.34	7.45	6.50	7.75	8.85	8.55	8.05	6.74	5.25	6.48	7.61							
80	5.79	5.92	4.85	3.72	5.05	6.28	6.21	5.68	4.38	2.84	4.20	5.36							
85	3.57	3.56	2.55	1.31	2.66	3.78	3.90	3.42	2.37	0.78	2.25	3.23							
90	1.85	1.76	1.06	0.00	1.06	1.81	1.97	1.64	1.00	0.00	1.00	1.61							
95	1.17	1.06	0.66	0.00	0.58	0.93	1.06	0.96	0.56	0.00	0.63	1.07							
100	1.12	0.95	0.43	0.00	0.43	0.84	0.94	0.86	0.40	0.00	0.41	0.98							
105	1.14	0.88	0.19	0.00	0.29	0.84	1.01	0.86	0.25	0.00	0.20	0.92							
110	1.03	0.64	0.02	0.00	0.14	0.82	1.05	0.84	0.10	0.00	0.01	0.66							
115	0.72	0.41	0.00	0.00	0.07	0.65	0.94	0.65	0.03	0.00	0.00	0.43							
120	0.41	0.11	0.00	0.00	0.04	0.35	0.64	0.34	0.01	0.00	0.00	0.18							
125	0.15	0.00	0.00	0.00	0.02	0.15	0.30	0.16	0.00	0.00	0.00	0.04							
130	0.04	0.00	0.00	0.00	0.00	0.07	0.13	0.10	0.00	0.00	0.00	0.01							
135	0.00	0.00	0.00	0.00	0.00	0.06	0.08	0.07	0.00	0.00	0.00	0.00							
140	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.04	0.00	0.00	0.00	0.00							
145	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00							
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	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							
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							
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							
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							
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							
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							

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Operators:JING
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γ Range: 0 - 180DEG
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