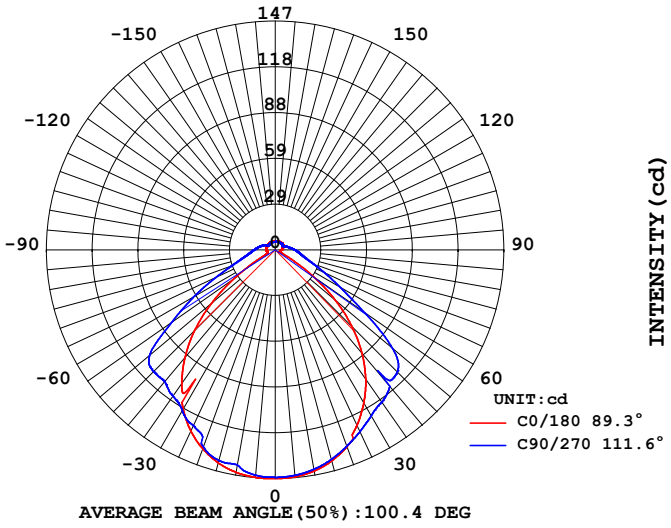
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

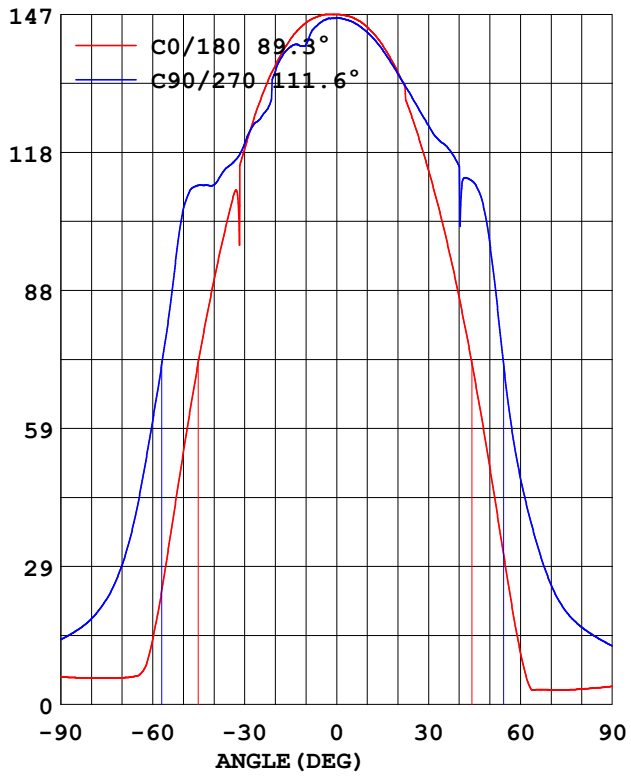
DATA OF LAMP		Imax(cd)	147.2	S/MH(C0/180)	1.20
MODEL	24V-480D-2700K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.22
NOMINAL POWER(W)	5	TOTAL FLUX(lm)	386.6	Voltage(V)	23.94
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	78.7	Current(A)	0.204
NOMINAL FLUX(lm)	386.6	η up(%)	11.0	Power(W)	4.910
LAMPS QUANTITY	1	η down(%)	89.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	23.9	Effictive Flux(lm)	334.3	EEI	0.151

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):100.4 DEG

LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

Color Temperature Data List

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

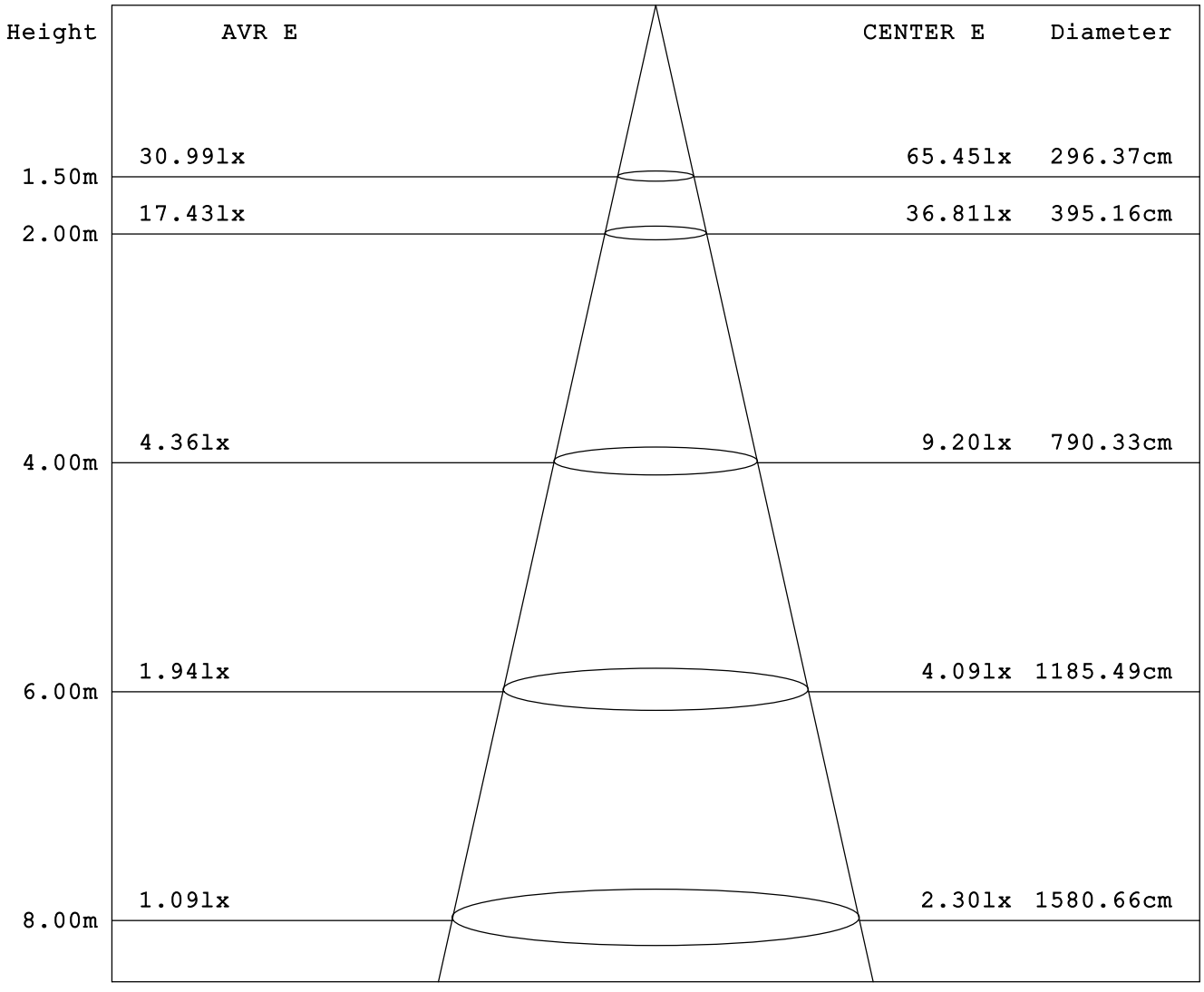
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



Angle:89.3deg

Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

γ	C0	C90	C180	C270					γ	zone	total
5.0	147.0	145.6	146.6	145.7					0- 5	3.366	3.366
10.0	145.5	140.9	144.6	143.5					5- 10	9.969	13.33
15.0	142.2	140.4	141.0	139.9					10- 15	16.21	29.55
20.0	136.8	135.8	135.5	135.0					15- 20	21.93	51.48
25.0	129.4	125.3	125.5	129.7					20- 25	26.49	77.97
30.0	119.8	120.7	115.4	124.2					25- 30	30.15	108.1
35.0	106.8	115.2	103.5	119.9					30- 35	32.62	140.7
40.0	92.96	111.3	89.51	115.9					35- 40	34.41	175.1
45.0	76.64	110.8	73.16	111.7					40- 45	34.72	209.8
50.0	57.82	107.8	54.73	102.9					45- 50	34.12	244.0
55.0	37.24	86.87	34.57	76.24					50- 55	29.56	273.5
60.0	17.73	65.24	15.13	52.42					55- 60	21.27	294.8
65.0	6.695	46.66	3.124	38.26					60- 65	14.07	308.9
70.0	5.761	32.54	3.164	27.91					65- 70	9.938	318.8
75.0	5.640	24.22	3.124	21.18					70- 75	7.749	326.6
80.0	5.640	19.39	3.246	17.36					75- 80	6.451	333.0
85.0	5.721	16.43	3.489	14.97					80- 85	5.692	338.7
90.0	5.883	14.44	3.773	13.10					85- 90	5.194	343.9
95.0	6.045	12.94	4.098	11.40					90- 95	4.810	348.7
100.0	6.086	11.64	4.341	9.697					95-100	4.418	353.1
105.0	6.127	10.30	4.625	8.358					100-105	4.036	357.2
110.0	6.127	9.170	4.990	7.344					105-110	3.695	360.9
115.0	6.167	8.034	5.274	6.370					110-115	3.370	364.2
120.0	6.127	6.208	5.559	5.437					115-120	2.983	367.2
125.0	6.127	5.518	5.721	5.274					120-125	2.662	369.9
130.0	6.086	5.274	5.843	5.559					125-130	2.494	372.4
135.0	6.045	5.680	6.045	5.680					130-135	2.404	374.8
140.0	6.045	5.599	6.045	5.599					135-140	2.228	377.0
145.0	6.005	5.559	6.005	5.559					140-145	2.016	379.0
150.0	5.964	5.518	5.964	5.518					145-150	1.797	380.8
155.0	5.964	5.477	5.964	5.477					150-155	1.566	382.4
160.0	5.924	5.477	5.924	5.477					155-160	1.327	383.7
165.0	5.924	5.437	5.924	5.437					160-165	1.081	384.8
170.0	5.883	5.396	5.883	5.396					165-170	0.829	385.6
175.0	5.883	5.396	5.883	5.396					170-175	0.575	386.2
180.0	5.843	5.356	5.843	5.356					175-180	0.318	386.5
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

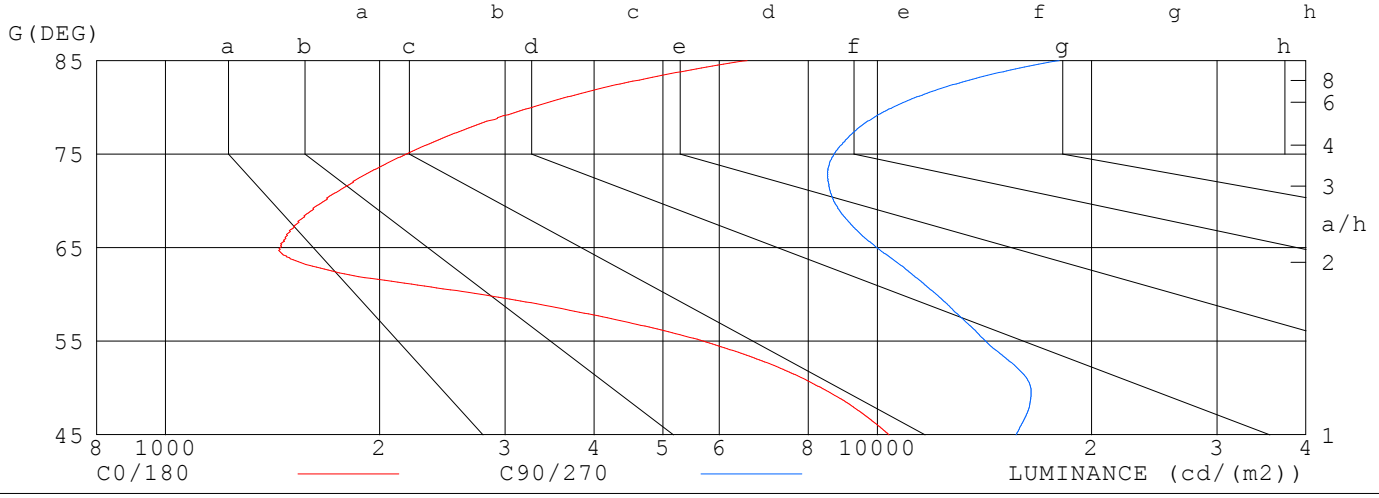
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

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	6565	18064
80	3271	10562
75	2179	8732
70	1673	8744
65	1450	10062
60	2840	12189
55	5766	14276
50	8408	16470
45	10432	15672

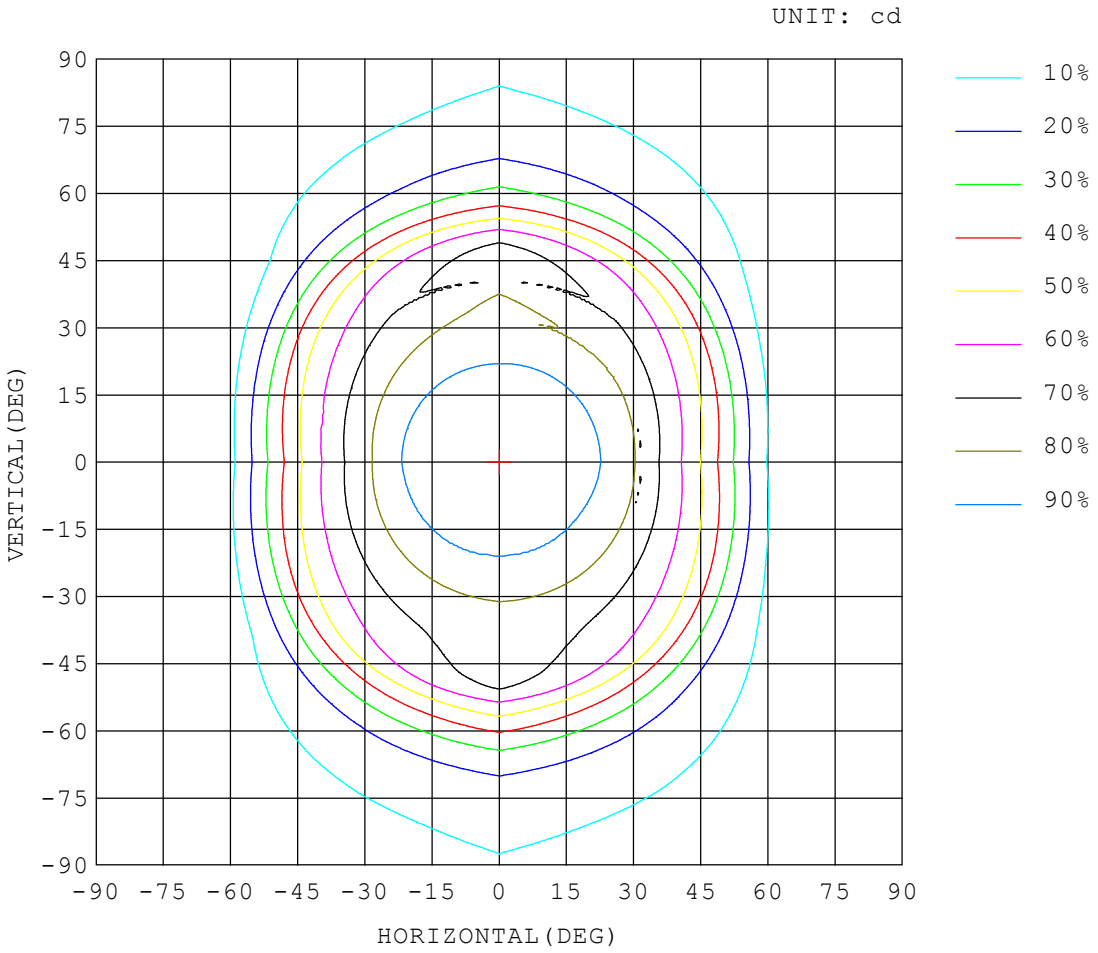
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



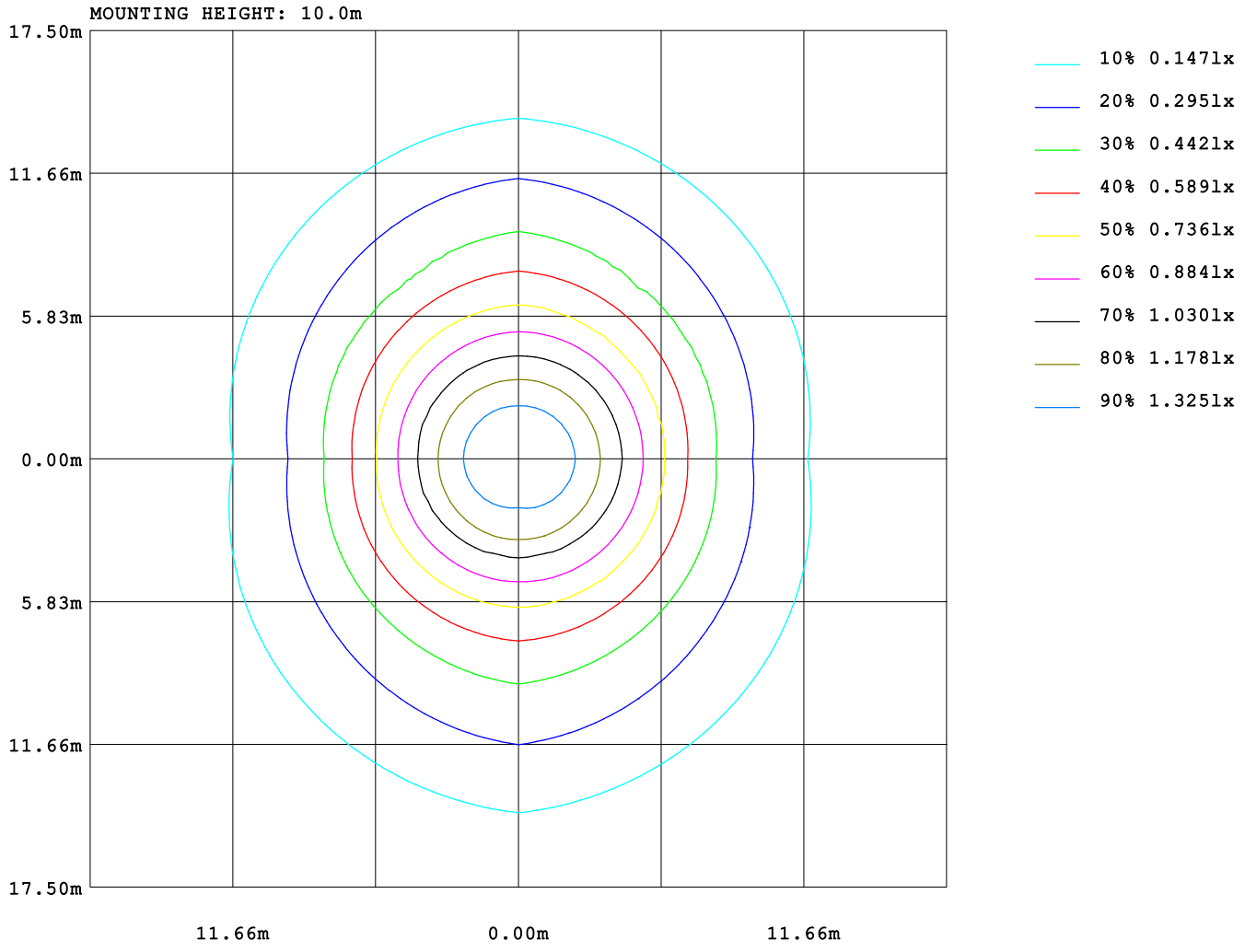
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

ISOLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-90	-80	-70	-60	-50	-40	-30	-20	20	30	40	50	60	70	80	90	Φ t	Φ a
90																		
80	0.01	0.04	0.08	0.13	0.19	0.25	0.31	0.37	0.42	0.42	0.38	0.33	0.27	0.21	0.15	0.10	0.06	0.02	3.72	0.23
70	0.01	0.04	0.08	0.14	0.21	0.30	0.40	0.49	0.58	0.58	0.51	0.42	0.33	0.24	0.17	0.11	0.06	0.02	4.68	2.52
60	0.01	0.04	0.09	0.16	0.26	0.42	0.61	0.83	1.01	1.02	0.84	0.64	0.44	0.29	0.18	0.11	0.06	0.02	7.03	5.80
50	0.01	0.04	0.09	0.18	0.36	0.68	1.15	1.65	2.04	2.05	1.67	1.17	0.71	0.39	0.21	0.11	0.06	0.02	12.6	11.7
40	0.01	0.04	0.09	0.21	0.58	1.30	2.16	2.81	3.19	3.20	2.83	2.19	1.34	0.62	0.25	0.12	0.06	0.02	21.0	20.4
30	0.01	0.04	0.09	0.29	0.98	1.95	2.70	3.23	3.54	3.55	3.25	2.74	2.00	1.02	0.33	0.12	0.05	0.02	25.9	25.4
	0.01	0.03	0.09	0.42	1.32	2.26	3.03	3.57	3.87	3.88	3.60	3.08	2.32	1.37	0.46	0.12	0.05	0.02	29.5	29.1
	0.01	0.03	0.08	0.53	1.50	2.46	3.27	3.89	4.20	4.21	3.93	3.33	2.52	1.55	0.57	0.11	0.05	0.02	32.2	31.9
	0.01	0.03	0.07	0.56	1.53	2.53	3.42	4.09	4.39	4.40	4.12	3.51	2.59	1.60	0.60	0.10	0.05	0.02	33.6	33.3
	0.01	0.03	0.07	0.57	1.53	2.53	3.41	4.09	4.37	4.38	4.12	3.50	2.59	1.60	0.61	0.11	0.05	0.02	33.5	33.2
	0.01	0.03	0.09	0.55	1.50	2.44	3.24	3.86	4.20	4.21	3.90	3.30	2.50	1.56	0.59	0.12	0.05	0.02	32.2	31.8
-30	0.01	0.04	0.10	0.46	1.36	2.25	2.97	3.49	3.77	3.78	3.53	3.02	2.31	1.41	0.50	0.13	0.05	0.02	29.2	28.8
-40	0.01	0.04	0.10	0.33	1.06	1.99	2.68	3.15	3.42	3.43	3.18	2.72	2.04	1.10	0.37	0.13	0.06	0.02	25.8	25.4
-50	0.01	0.04	0.10	0.25	0.68	1.44	2.27	2.87	3.23	3.24	2.89	2.30	1.48	0.71	0.28	0.13	0.06	0.02	22.0	21.4
-60	0.01	0.04	0.10	0.20	0.42	0.82	1.37	1.93	2.36	2.37	1.94	1.39	0.85	0.45	0.23	0.12	0.06	0.02	14.7	13.9
-70	0.01	0.04	0.09	0.17	0.30	0.48	0.72	0.99	1.22	1.23	1.00	0.74	0.51	0.33	0.20	0.12	0.06	0.02	8.24	7.18
-80	0.01	0.04	0.09	0.15	0.23	0.33	0.45	0.56	0.66	0.66	0.57	0.47	0.36	0.26	0.18	0.11	0.06	0.02	5.21	3.43
-90	0.01	0.04	0.09	0.14	0.20	0.27	0.34	0.40	0.46	0.46	0.41	0.35	0.29	0.23	0.16	0.11	0.06	0.02	4.04	0.79
HORIZONTAL(DEG)																				
Φ t	0.20	0.69	1.58	5.44	14.2	24.7	34.5	42.3	47.0	47.1	42.7	35.2	25.4	14.9	6.04	2.07	0.98	0.30	387	
Φ a	0.00	0.00	0.00	3.53	12.8	23.5	33.5	41.5	46.5	46.6	42.0	34.3	24.3	13.6	4.24	0.00	0.00	0.00		334

Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

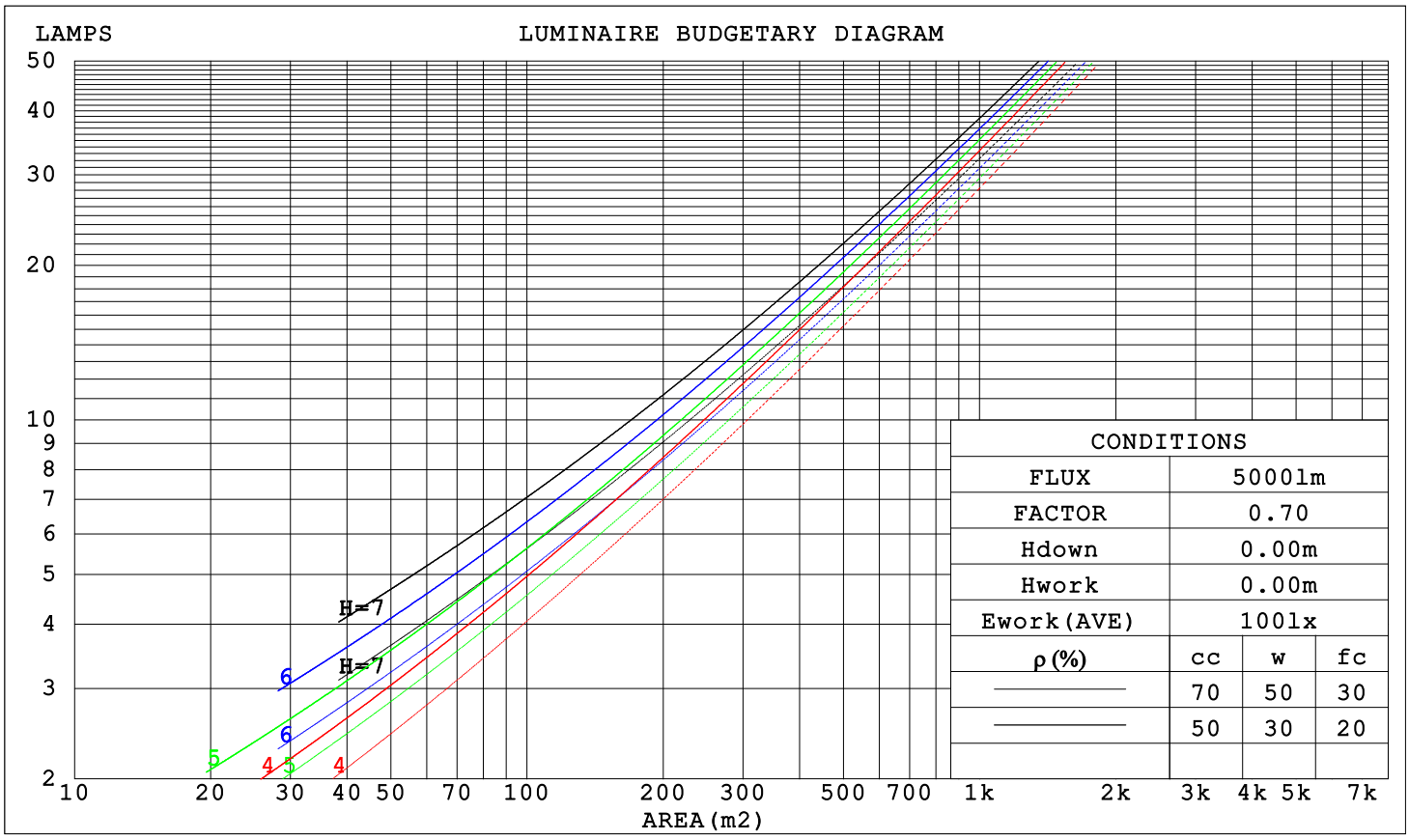
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

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	.92	.92	.92	.89
1.0	1.02	.98	.95	.99	.95	.92	.93	.90	.87	.87	.85	.83	.82	.80	.78	.76
2.0	.90	.84	.79	.88	.82	.77	.82	.78	.74	.77	.74	.70	.73	.70	.67	.65
3.0	.80	.73	.67	.78	.71	.65	.73	.68	.63	.69	.64	.60	.65	.61	.58	.56
4.0	.72	.63	.57	.70	.62	.56	.66	.59	.54	.62	.57	.52	.59	.54	.51	.48
5.0	.64	.56	.50	.63	.55	.49	.59	.53	.47	.56	.50	.46	.53	.48	.45	.42
6.0	.58	.50	.44	.57	.49	.43	.54	.47	.42	.51	.45	.41	.49	.43	.39	.37
7.0	.53	.45	.39	.51	.44	.38	.49	.42	.37	.47	.41	.36	.44	.39	.35	.33
8.0	.48	.40	.35	.47	.39	.34	.45	.38	.33	.43	.37	.33	.41	.36	.32	.30
9.0	.44	.36	.31	.43	.36	.31	.41	.35	.30	.40	.34	.29	.38	.33	.29	.27
10.0	.41	.33	.28	.40	.33	.28	.38	.32	.27	.37	.31	.27	.35	.30	.26	.24



Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

WEC AND CCEC

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

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	.289	.164	.052	.279	.159	.051	.259	.149	.048	.242	.139	.045	.225	.130	.042	
2.0	.267	.146	.045	.258	.142	.044	.241	.134	.042	.225	.126	.039	.210	.119	.037	
3.0	.248	.132	.039	.239	.128	.039	.224	.121	.037	.210	.115	.035	.196	.109	.034	
4.0	.230	.119	.035	.222	.116	.034	.209	.111	.033	.196	.105	.032	.184	.100	.030	
5.0	.214	.109	.032	.207	.106	.031	.195	.101	.030	.183	.097	.029	.172	.092	.028	
6.0	.200	.100	.029	.194	.098	.028	.182	.093	.027	.171	.089	.026	.161	.085	.025	
7.0	.187	.092	.026	.181	.090	.026	.171	.086	.025	.161	.083	.024	.152	.079	.023	
8.0	.175	.086	.024	.170	.084	.024	.161	.080	.023	.152	.077	.022	.143	.074	.021	
9.0	.165	.080	.022	.160	.078	.022	.152	.075	.021	.143	.072	.021	.136	.069	.020	
10.0	.156	.075	.021	.151	.073	.020	.143	.070	.020	.136	.067	.019	.129	.065	.019	

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	.274	.274	.274	.235	.235	.235	.160	.160	.160	.092	.092	.092	.029	.029	.029	
1.0	.264	.241	.221	.226	.207	.190	.154	.142	.131	.089	.082	.076	.028	.027	.025	
2.0	.254	.217	.186	.218	.187	.161	.149	.129	.112	.086	.075	.066	.028	.024	.021	
3.0	.246	.200	.163	.211	.172	.141	.145	.120	.099	.084	.070	.058	.027	.023	.019	
4.0	.238	.187	.147	.204	.161	.128	.141	.112	.090	.081	.066	.053	.026	.021	.018	
5.0	.231	.176	.136	.198	.153	.118	.137	.107	.084	.079	.063	.050	.026	.020	.016	
6.0	.224	.168	.128	.193	.146	.111	.133	.102	.079	.077	.060	.047	.025	.020	.015	
7.0	.218	.161	.122	.187	.140	.106	.129	.098	.075	.075	.058	.045	.024	.019	.015	
8.0	.212	.156	.117	.182	.135	.102	.126	.095	.072	.073	.056	.043	.024	.018	.014	
9.0	.206	.151	.113	.178	.131	.099	.123	.092	.070	.072	.054	.042	.023	.018	.014	
10.0	.201	.147	.111	.173	.127	.097	.120	.090	.069	.070	.053	.041	.023	.017	.014	

Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

UGR Table

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

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	18.2	19.5	18.6	19.9	20.3	21.3	22.5	21.7	22.9	23.3
3H	18.2	19.4	18.7	19.8	20.3	22.1	23.3	22.6	23.7	24.1
4H	18.3	19.4	18.8	19.9	20.3	22.6	23.7	23.0	24.1	24.6
6H	18.5	19.5	19.0	20.0	20.5	23.1	24.1	23.6	24.6	25.1
8H	18.7	19.7	19.2	20.1	20.6	23.5	24.5	24.0	24.9	25.4
12H	18.9	19.9	19.4	20.4	20.9	24.0	24.9	24.5	25.4	25.9
4H 2H	18.6	19.7	19.1	20.2	20.6	21.2	22.3	21.7	22.8	23.2
3H	18.9	19.9	19.4	20.3	20.9	22.3	23.2	22.8	23.7	24.2
4H	19.1	20.0	19.7	20.5	21.0	22.9	23.7	23.4	24.2	24.8
6H	19.5	20.3	20.0	20.8	21.4	23.6	24.4	24.2	24.9	25.5
8H	19.8	20.5	20.3	21.0	21.6	24.2	24.9	24.7	25.4	26.0
12H	20.2	20.8	20.8	21.4	22.0	24.8	25.5	25.4	26.0	26.7
8H 4H	19.5	20.2	20.1	20.8	21.4	22.9	23.6	23.5	24.2	24.8
6H	20.2	20.8	20.8	21.4	22.0	23.9	24.5	24.5	25.1	25.7
8H	20.7	21.2	21.3	21.8	22.5	24.6	25.1	25.2	25.7	26.4
12H	21.3	21.8	21.9	22.4	23.1	25.5	26.0	26.1	26.6	27.3
12H 4H	19.7	20.3	20.2	20.9	21.5	22.9	23.5	23.5	24.1	24.7
6H	20.5	21.0	21.1	21.6	22.3	23.9	24.4	24.5	25.0	25.7
8H	21.1	21.5	21.7	22.2	22.9	24.7	25.1	25.3	25.8	26.5

Variations with the observer position at spacings:		
S = 1.0H	+ 0.5 / - 0.7	+ 0.2 / - 0.2
1.5H	+ 0.5 / - 0.6	+ 0.4 / - 0.4
2.0H	+ 1.0 / - 1.6	+ 0.9 / - 0.7

CIE Pub.117 Corrected 386.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.3)

Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

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	57	46	39	56	46	39	54	45	39	33
0.80	67	56	49	66	55	49	63	54	48	41
1.00	76	65	58	74	64	58	71	64	57	49
1.25	82	72	66	81	71	65	77	69	63	56
1.50	87	78	71	85	76	70	81	74	68	60
2.00	94	85	79	91	84	78	86	80	75	66
2.50	97	89	83	94	87	82	89	84	79	69
3.00	100	93	88	97	91	86	92	87	83	72
4.00	104	98	93	100	95	91	95	90	87	75
5.00	106	101	97	102	98	94	96	93	90	77
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

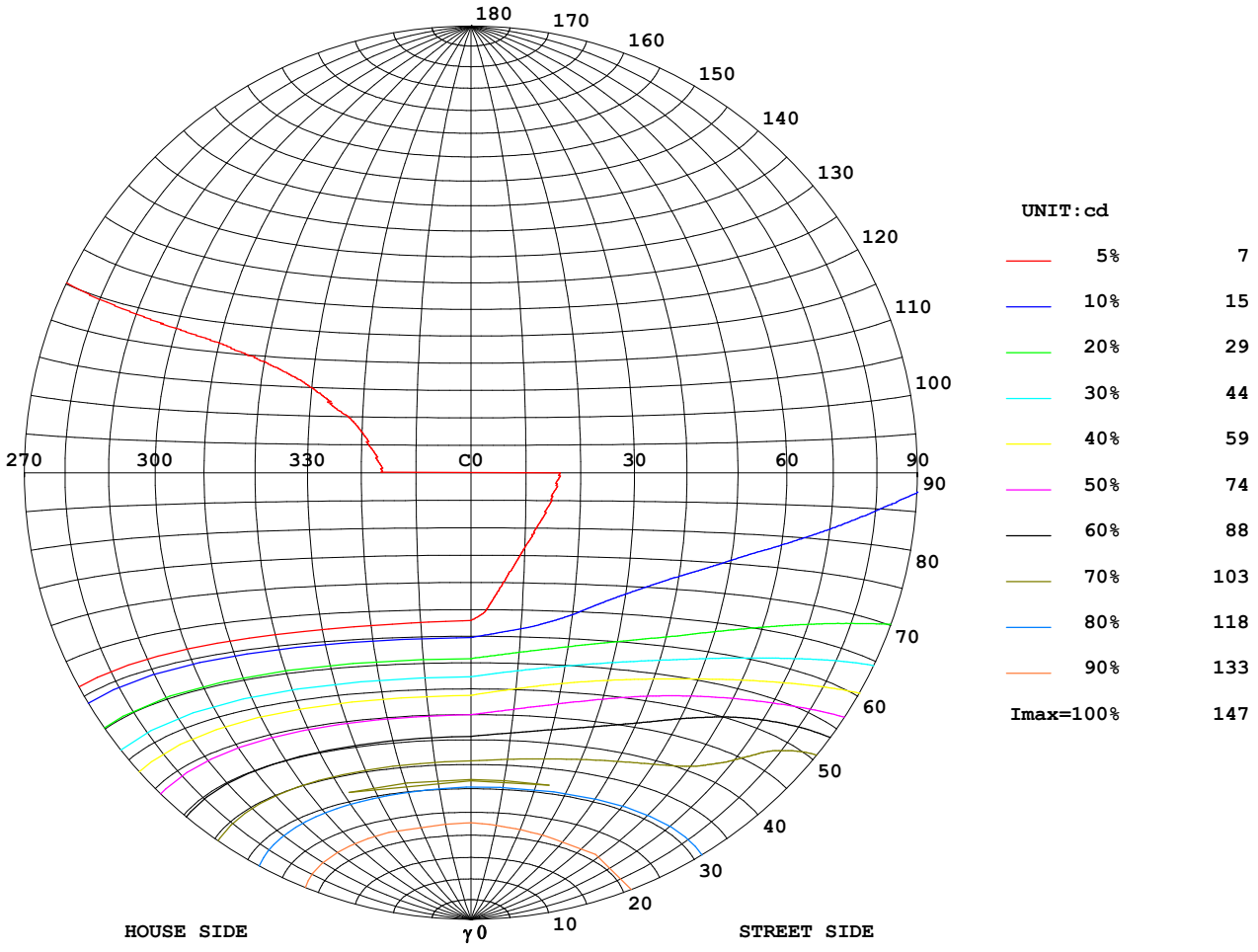
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



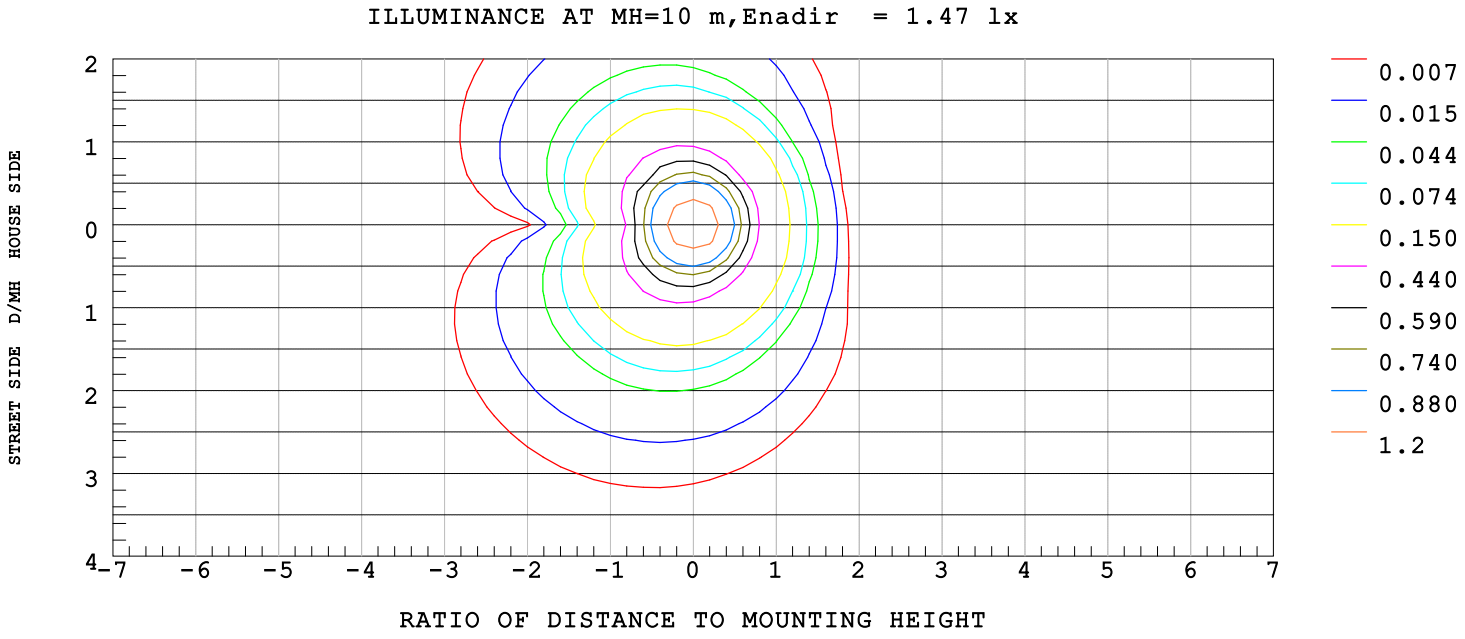
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

ISOLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:





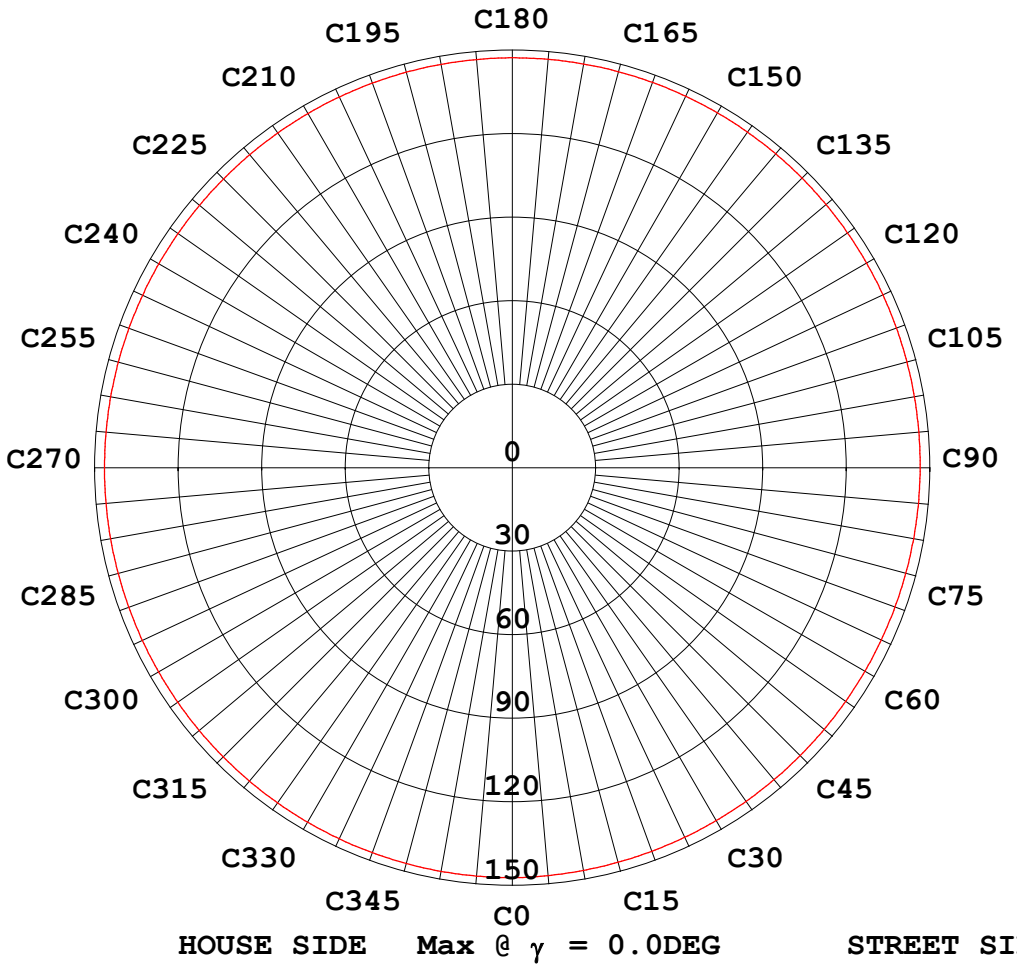
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG) \ C(DEG)	0	90	180	270
0.0	147	146	147	146
5.0	147	146	147	146
10.0	146	141	145	143
15.0	142	140	141	140
20.0	136	135	135	135
25.0	129	125	125	129
30.0	119	120	114	124
35.0	105	115	102	120
40.0	90.7	111	87.2	115
45.0	73.7	111	70.2	111
50.0	54.0	106	51.0	99.0
55.0	33.0	81.8	30.4	70.3
60.0	14.2	60.9	11.5	48.7
65.0	6.12	42.5	3.12	35.4
70.0	5.72	29.9	3.08	25.7
75.0	5.64	22.6	3.12	19.8
80.0	5.68	18.3	3.32	16.5
85.0	5.72	15.7	3.57	14.3
90.0	5.92	13.8	3.85	12.4
95.0	6.04	12.4	4.17	10.7
100.0	6.08	11.1	4.46	9.17
105.0	6.12	9.86	4.78	7.95
110.0	6.12	8.68	5.11	6.93
115.0	6.16	7.46	5.43	5.68
120.0	6.12	5.80	5.64	5.31
125.0	6.12	5.39	5.80	5.31
130.0	6.08	5.68	6.08	5.68
135.0	6.04	5.64	6.04	5.64
140.0	6.00	5.59	6.00	5.59
145.0	5.96	5.55	5.96	5.55
150.0	5.96	5.51	5.96	5.51
155.0	5.92	5.47	5.92	5.47
160.0	5.92	5.43	5.92	5.43
165.0	5.88	5.39	5.88	5.39
170.0	5.88	5.39	5.88	5.39
175.0	5.84	5.35	5.84	5.35
180.0	5.84	5.35	5.84	5.35

Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP54