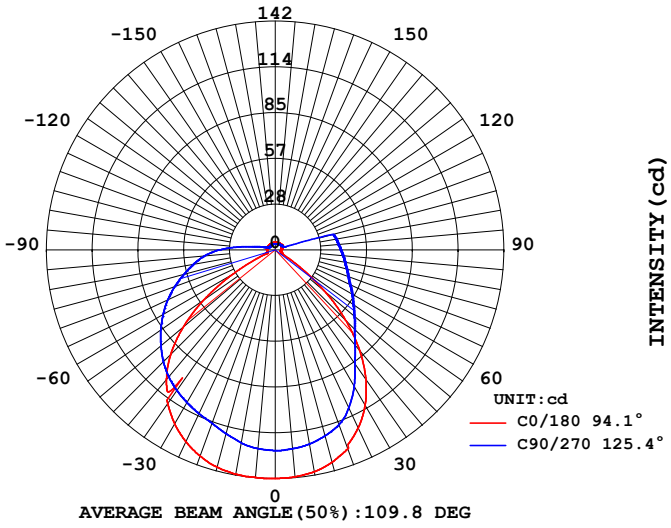
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

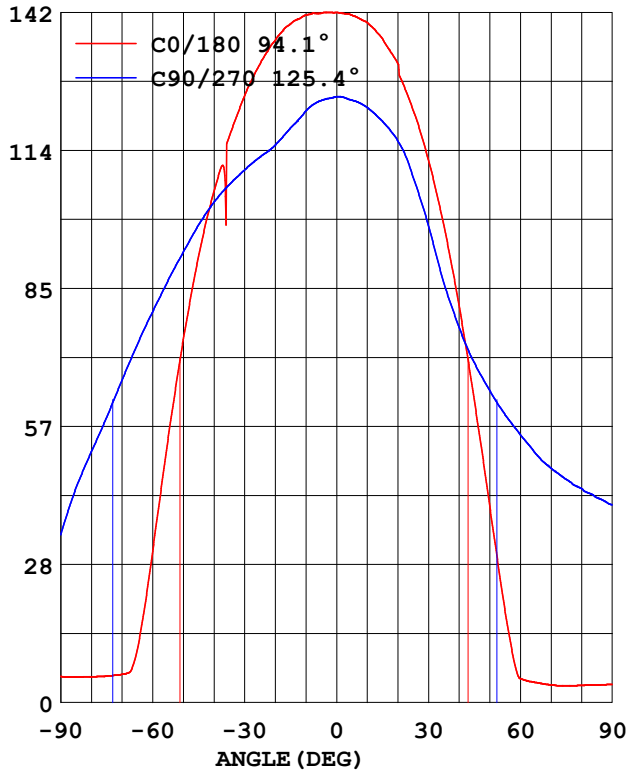
DATA OF LAMP		Imax(cd)	141.9	S/MH(C0/180)	1.30
MODEL	24V-480D-2700K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.33
NOMINAL POWER(W)	5	TOTAL FLUX(lm)	418.8	Voltage(V)	23.94
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	84.6	Current(A)	0.206
NOMINAL FLUX(lm)	418.8	η up(%)	12.9	Power(W)	4.950
LAMPS QUANTITY	1	η down(%)	87.1	Power Factor(PF)	1.000
TEST VOLTAGE(V)	23.9	Effictive Flux(lm)	384.2	EEI	0.137

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):109.8 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/IP20

Color Temperature Data List

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

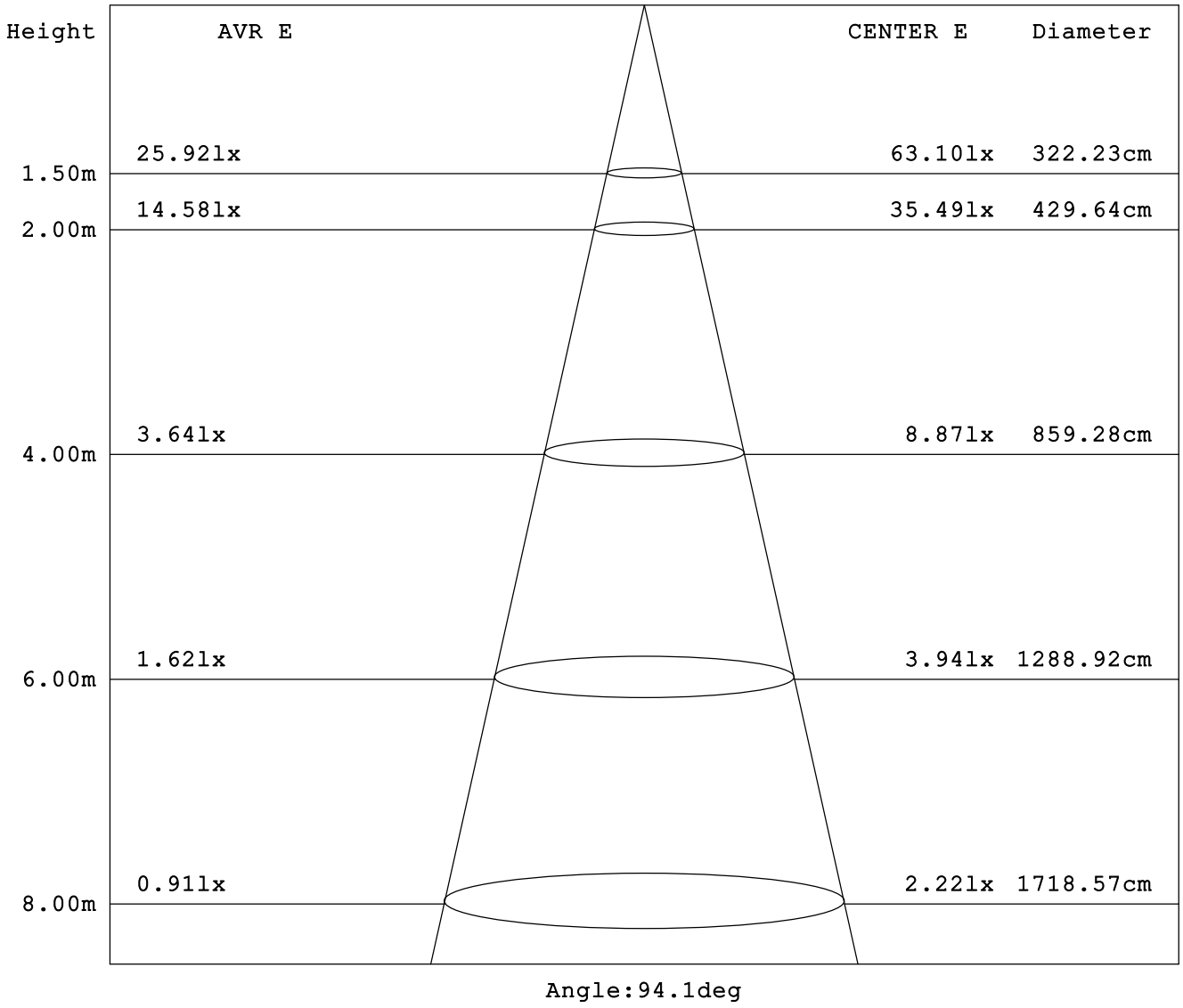
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP20

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



Angle:94.1deg

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/IP20

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

γ	C0	C90	C180	C270					γ	zone	total
5.0	141.8	123.8	141.4	123.9					0- 5	3.053	3.053
10.0	141.4	121.8	139.9	122.5					5- 10	9.079	12.13
15.0	139.7	118.3	136.7	119.7					10- 15	14.81	26.95
20.0	136.5	114.9	131.9	115.9					15- 20	20.07	47.02
25.0	131.9	112.4	122.7	109.0					20- 25	24.57	71.60
30.0	125.7	109.8	113.0	99.45					25- 30	28.13	99.73
35.0	117.6	106.9	100.3	87.93					30- 35	30.50	130.2
40.0	106.8	103.5	84.52	78.55					35- 40	31.45	161.6
45.0	94.46	99.12	65.81	71.00					40- 45	31.41	193.1
50.0	78.23	93.77	44.91	65.28					45- 50	29.87	222.9
55.0	58.83	88.13	23.37	60.25					50- 55	26.91	249.9
60.0	36.68	81.92	6.329	56.07					55- 60	22.91	272.8
65.0	15.33	75.51	4.260	52.26					60- 65	19.20	292.0
70.0	5.964	68.41	3.733	48.89					65- 70	16.61	308.6
75.0	5.518	60.94	3.449	46.54					70- 75	15.45	324.0
80.0	5.315	53.80	3.489	44.47					75- 80	14.54	338.6
85.0	5.234	46.78	3.570	42.80					80- 85	13.62	352.2
90.0	5.234	38.22	3.692	41.18					85- 90	12.52	364.7
95.0	5.396	27.30	3.773	39.96					90- 95	11.08	375.8
100.0	5.396	15.54	3.976	38.79					95-100	9.307	385.1
105.0	5.356	8.115	4.138	37.69					100-105	7.860	393.0
110.0	5.315	5.315	4.301	6.411					105-110	5.686	398.7
115.0	5.234	4.301	4.463	5.315					110-115	2.519	401.2
120.0	5.153	4.219	4.625	4.990					115-120	2.322	403.5
125.0	5.072	4.260	4.747	4.747					120-125	2.196	405.7
130.0	4.990	3.976	4.990	4.585					125-130	2.063	407.8
135.0	4.909	3.854	4.909	4.422					130-135	1.883	409.7
140.0	4.869	3.814	4.869	4.341					135-140	1.713	411.4
145.0	4.828	4.260	4.828	4.260					140-145	1.557	412.9
150.0	4.788	4.179	4.788	4.179					145-150	1.404	414.3
155.0	4.747	4.098	4.747	4.098					150-155	1.218	415.6
160.0	4.747	4.057	4.747	4.057					155-160	1.027	416.6
165.0	4.706	4.017	4.706	4.017					160-165	0.834	417.4
170.0	4.706	3.976	4.706	3.976					165-170	0.639	418.1
175.0	4.666	3.935	4.666	3.935					170-175	0.441	418.5
180.0	4.666	3.895	4.666	3.895					175-180	0.243	418.7
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/IP20

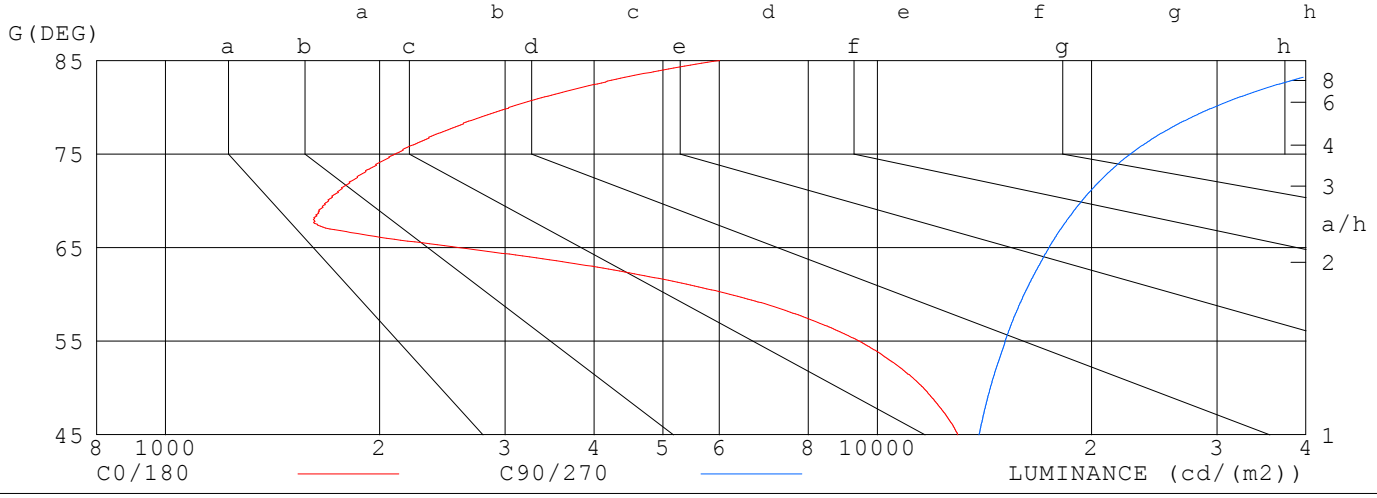
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		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	6006	50840
80	3061	29793
75	2101	22717
70	1697	19433
65	2660	17455
60	6306	16101
55	9508	15146
50	11666	14431
45	13021	13910

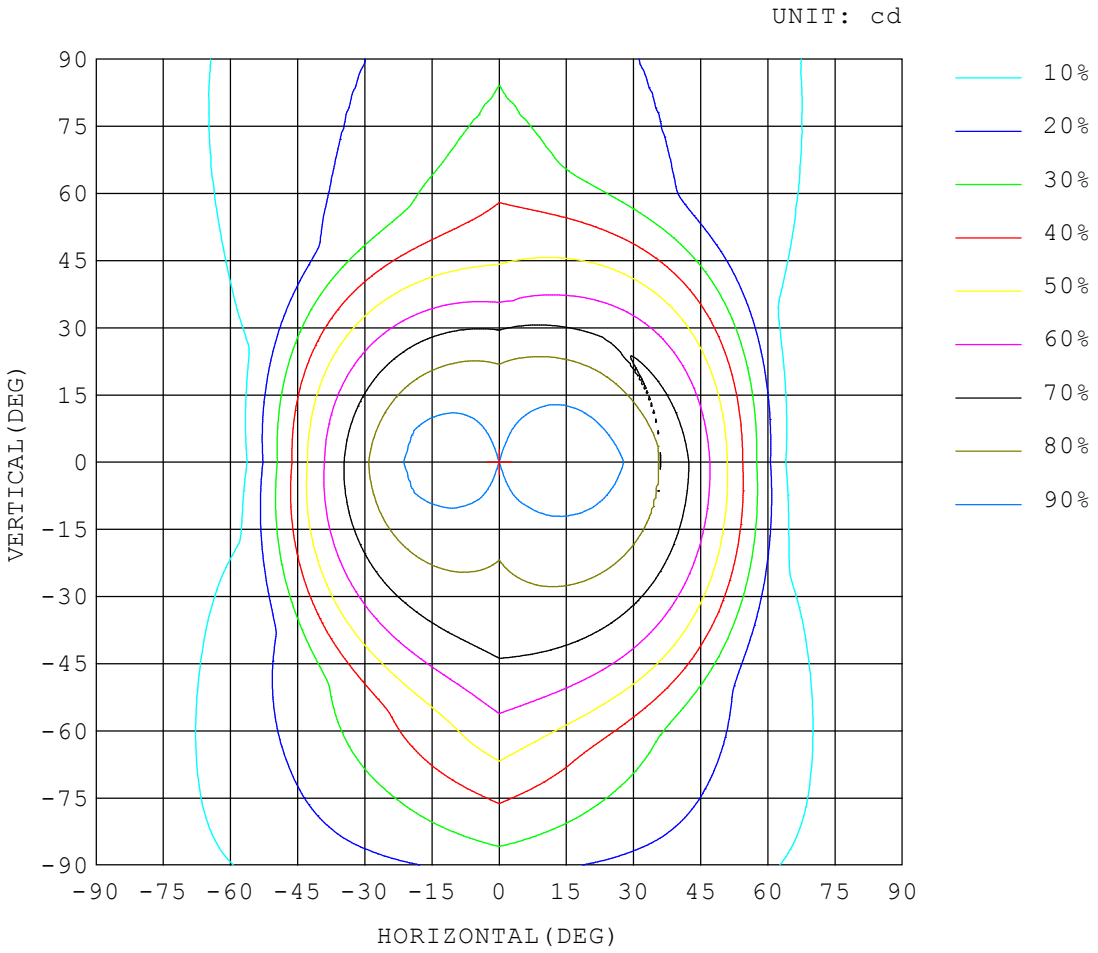
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP20

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



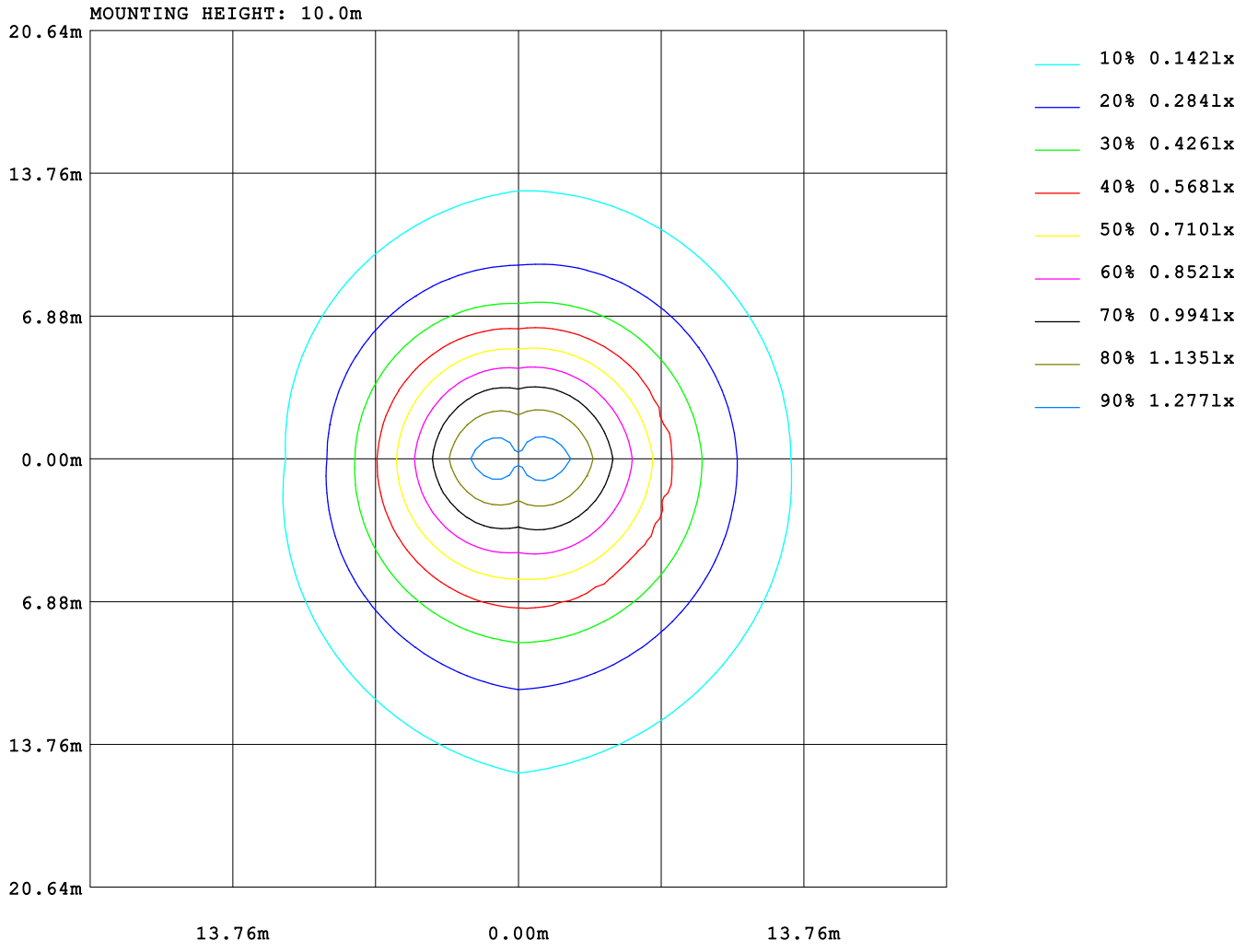
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP20

ISOLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		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/IP20

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		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	0.02	0.08	0.18	0.32	0.49	0.67	0.86	1.04	1.21	1.21	1.05	0.88	0.69	0.51	0.34	0.20	0.09	0.02	9.87	9.55
70	0.02	0.08	0.18	0.33	0.50	0.71	0.92	1.12	1.31	1.32	1.13	0.94	0.72	0.52	0.35	0.20	0.09	0.02	10.4	10.1
60	0.02	0.08	0.18	0.33	0.52	0.74	0.99	1.24	1.46	1.48	1.27	1.02	0.77	0.54	0.35	0.20	0.09	0.02	11.2	10.9
50	0.02	0.07	0.17	0.32	0.53	0.79	1.12	1.45	1.71	1.78	1.64	1.37	0.99	0.60	0.35	0.19	0.08	0.02	13.2	12.8
40	0.01	0.07	0.16	0.31	0.55	1.01	1.51	1.89	2.09	2.16	2.10	1.86	1.43	0.88	0.39	0.18	0.08	0.02	16.7	16.3
30	0.01	0.06	0.14	0.30	0.73	1.42	2.03	2.45	2.63	2.69	2.61	2.34	1.87	1.22	0.54	0.17	0.07	0.02	21.3	20.8
	0.01	0.05	0.12	0.32	0.99	1.83	2.56	3.07	3.28	3.32	3.21	2.81	2.25	1.53	0.72	0.18	0.07	0.02	26.3	25.9
	0.01	0.04	0.10	0.36	1.20	2.17	3.00	3.55	3.69	3.72	3.65	3.24	2.56	1.77	0.86	0.19	0.06	0.02	30.2	29.8
	0.01	0.03	0.07	0.38	1.32	2.39	3.27	3.87	3.99	4.01	3.96	3.51	2.79	1.92	0.94	0.19	0.05	0.01	32.7	32.4
	0.01	0.03	0.08	0.39	1.35	2.42	3.29	3.86	3.98	4.00	3.95	3.53	2.83	1.95	0.96	0.20	0.05	0.01	32.9	32.6
	0.01	0.05	0.12	0.42	1.30	2.30	3.09	3.56	3.66	3.69	3.66	3.33	2.69	1.87	0.92	0.21	0.06	0.02	31.0	30.6
-30	0.01	0.06	0.16	0.40	1.14	2.06	2.81	3.26	3.42	3.46	3.40	3.06	2.48	1.68	0.80	0.21	0.07	0.02	28.5	28.2
-40	0.01	0.07	0.19	0.40	0.93	1.73	2.45	2.94	3.18	3.24	3.10	2.76	2.18	1.42	0.64	0.21	0.08	0.02	25.5	25.2
-50	0.02	0.08	0.20	0.42	0.77	1.35	2.00	2.53	2.87	2.94	2.74	2.35	1.77	1.08	0.50	0.22	0.09	0.02	21.9	21.7
-60	0.02	0.08	0.21	0.42	0.73	1.12	1.60	2.08	2.48	2.55	2.27	1.85	1.32	0.80	0.45	0.23	0.09	0.02	18.3	18.0
-70	0.02	0.08	0.21	0.40	0.67	1.00	1.37	1.75	2.09	2.11	1.79	1.41	1.03	0.69	0.42	0.22	0.09	0.02	15.4	15.1
-80	0.02	0.08	0.20	0.37	0.59	0.86	1.14	1.42	1.68	1.68	1.43	1.15	0.87	0.61	0.39	0.21	0.09	0.02	12.8	12.5
-90	0.02	0.07	0.17	0.31	0.48	0.68	0.88	1.08	1.25	1.25	1.08	0.90	0.69	0.50	0.33	0.19	0.08	0.02	10.0	9.64
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	0.26	1.16	2.84	6.49	14.8	25.2	34.9	42.2	46.0	46.6	44.1	38.3	29.9	20.1	10.2	3.61	1.39	0.33	419	
Φ a	0.00	0.00	1.23	6.17	14.8	25.2	34.9	42.2	46.0	46.6	44.1	38.3	29.9	20.1	10.2	2.68	0.00	0.00		384

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

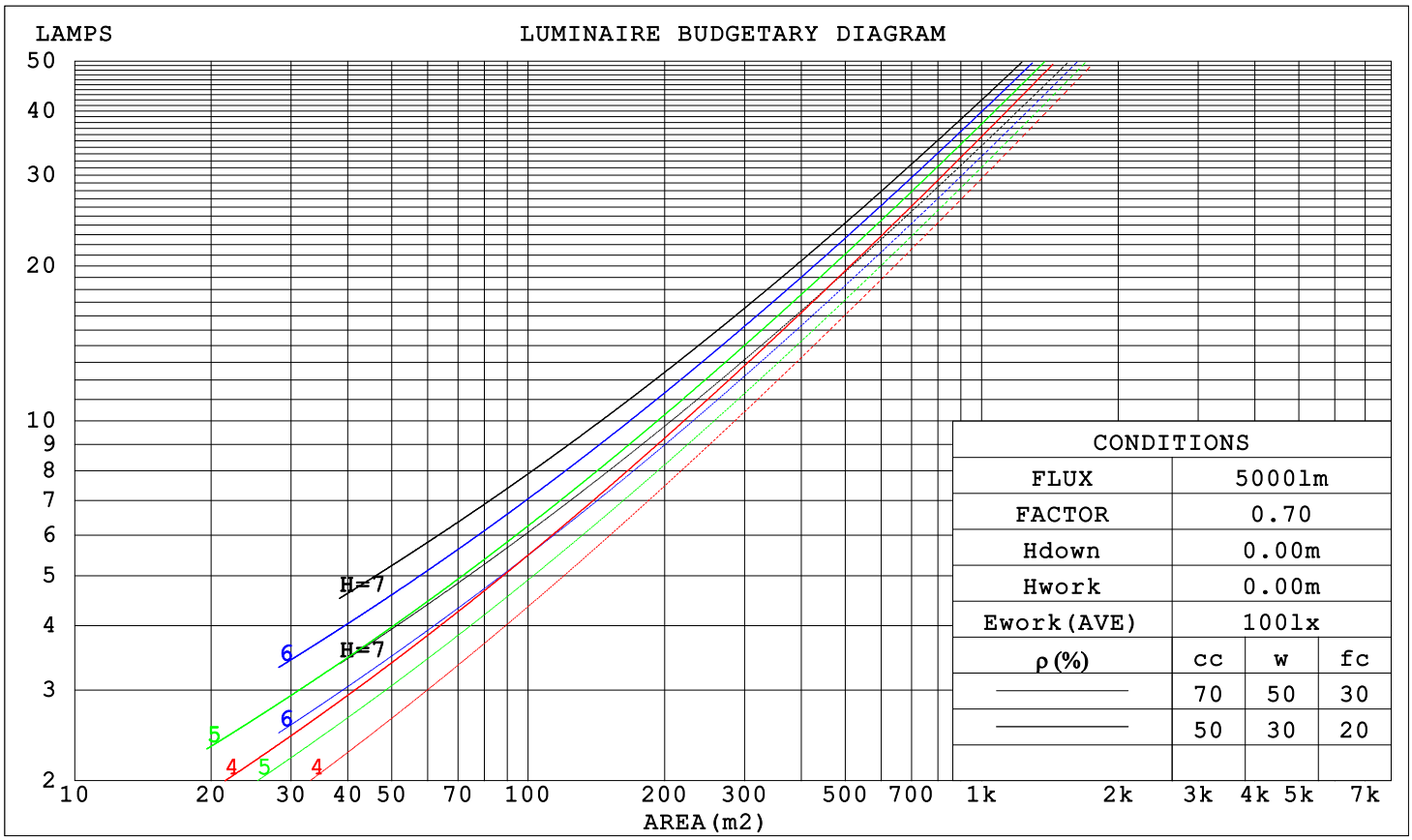
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP20

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		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	1.04	1.04	1.04	.97	.97	.97	.90	.90	.90	.87
1.0	.99	.94	.90	.95	.91	.87	.89	.85	.82	.82	.80	.77	.77	.75	.72	.69
2.0	.86	.79	.73	.83	.76	.71	.77	.72	.67	.72	.68	.64	.67	.64	.60	.58
3.0	.76	.67	.60	.73	.65	.59	.68	.62	.56	.64	.58	.54	.59	.55	.51	.49
4.0	.67	.58	.51	.65	.57	.50	.61	.54	.48	.57	.51	.46	.53	.48	.44	.42
5.0	.60	.51	.44	.58	.50	.44	.55	.47	.42	.51	.45	.40	.48	.43	.39	.36
6.0	.54	.45	.39	.52	.44	.38	.49	.42	.37	.46	.40	.35	.44	.38	.34	.32
7.0	.49	.40	.34	.48	.40	.34	.45	.38	.33	.42	.36	.32	.40	.35	.30	.28
8.0	.45	.36	.31	.44	.36	.30	.41	.34	.29	.39	.33	.28	.37	.31	.27	.25
9.0	.41	.33	.28	.40	.32	.27	.38	.31	.26	.36	.30	.26	.34	.29	.25	.23
10.0	.38	.30	.25	.37	.30	.25	.35	.28	.24	.33	.27	.23	.32	.26	.23	.21



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/IP20

WEC AND CCEC

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		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	.348	.198	.063	.337	.192	.061	.317	.182	.058	.298	.172	.055	.280	.162	.052	
2.0	.306	.167	.051	.296	.163	.050	.277	.154	.048	.260	.146	.046	.244	.138	.044	
3.0	.275	.146	.044	.266	.142	.043	.249	.135	.041	.234	.128	.039	.219	.121	.038	
4.0	.250	.130	.038	.242	.126	.037	.227	.120	.036	.213	.114	.034	.200	.108	.033	
5.0	.229	.117	.034	.222	.114	.033	.208	.108	.032	.195	.103	.031	.183	.098	.029	
6.0	.211	.106	.030	.205	.103	.030	.192	.099	.029	.181	.094	.028	.170	.089	.027	
7.0	.196	.097	.027	.190	.095	.027	.179	.090	.026	.168	.086	.025	.158	.082	.024	
8.0	.183	.089	.025	.177	.087	.025	.167	.083	.024	.157	.080	.023	.148	.076	.022	
9.0	.171	.083	.023	.166	.081	.023	.156	.077	.022	.148	.074	.021	.139	.071	.020	
10.0	.161	.077	.021	.156	.075	.021	.147	.072	.020	.139	.069	.020	.131	.066	.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	.289	.289	.289	.247	.247	.247	.168	.168	.168	.097	.097	.097	.031	.031	.031	
1.0	.282	.255	.230	.241	.219	.198	.165	.150	.137	.095	.087	.080	.030	.028	.026	
2.0	.274	.232	.196	.235	.199	.169	.161	.138	.118	.093	.080	.069	.030	.026	.023	
3.0	.266	.215	.174	.228	.185	.151	.156	.129	.106	.090	.075	.062	.029	.024	.020	
4.0	.258	.202	.159	.221	.174	.138	.152	.121	.097	.088	.071	.058	.028	.023	.019	
5.0	.250	.192	.148	.215	.166	.129	.148	.116	.091	.086	.068	.054	.028	.022	.018	
6.0	.243	.183	.141	.209	.159	.123	.144	.111	.087	.084	.065	.052	.027	.021	.017	
7.0	.236	.177	.135	.203	.153	.118	.140	.107	.083	.081	.063	.050	.026	.021	.016	
8.0	.229	.171	.131	.198	.148	.114	.137	.104	.081	.080	.061	.048	.026	.020	.016	
9.0	.223	.166	.128	.193	.144	.111	.133	.101	.079	.078	.060	.047	.025	.020	.016	
10.0	.218	.162	.125	.188	.141	.109	.130	.099	.077	.076	.059	.046	.025	.019	.015	

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/IP20

UGR Table

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		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	19.7	21.1	20.2	21.5	22.0	22.1	23.4	22.5	23.8	24.3
3H	19.9	21.1	20.4	21.6	22.1	24.4	25.7	24.9	26.1	26.6
4H	20.0	21.2	20.5	21.7	22.2	25.7	26.9	26.2	27.4	27.9
6H	20.2	21.3	20.7	21.8	22.3	27.2	28.3	27.7	28.8	29.3
8H	20.3	21.4	20.8	21.9	22.4	28.0	29.1	28.5	29.6	30.1
12H	20.4	21.5	21.0	22.0	22.6	28.9	30.0	29.5	30.5	31.0
4H 2H	20.4	21.6	20.9	22.1	22.6	22.3	23.5	22.8	24.0	24.5
3H	21.0	22.0	21.5	22.6	23.1	24.9	25.9	25.4	26.4	27.0
4H	21.4	22.3	21.9	22.9	23.5	26.4	27.4	27.0	27.9	28.5
6H	21.8	22.7	22.4	23.2	23.9	28.1	29.0	28.7	29.5	30.2
8H	22.1	22.8	22.7	23.4	24.1	29.1	29.9	29.7	30.5	31.1
12H	22.3	23.1	22.9	23.7	24.3	30.2	30.9	30.8	31.5	32.2
8H 4H	22.5	23.3	23.1	23.8	24.5	26.6	27.4	27.2	27.9	28.6
6H	23.3	24.0	24.0	24.6	25.3	28.6	29.2	29.2	29.8	30.5
8H	23.8	24.4	24.5	25.0	25.8	29.7	30.3	30.4	30.9	31.7
12H	24.3	24.8	25.0	25.5	26.2	31.1	31.6	31.7	32.2	33.0
12H 4H	22.8	23.6	23.5	24.2	24.8	26.6	27.3	27.2	27.9	28.6
6H	24.0	24.6	24.6	25.2	25.9	28.6	29.2	29.3	29.8	30.6
8H	24.6	25.1	25.3	25.8	26.5	29.9	30.4	30.5	31.0	31.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.3 / - 0.4					+ 0.2 / - 0.2				
2.0H	+ 0.3 / - 0.6					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 418.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.0)

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/IP20

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		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	54	42	35	53	41	35	51	41	34	28
0.80	63	51	44	62	50	43	59	49	43	35
1.00	71	59	51	69	58	51	66	59	50	42
1.25	77	66	58	75	65	58	72	63	56	48
1.50	82	71	64	80	70	63	76	67	61	52
2.00	89	79	72	86	77	70	81	74	68	58
2.50	93	84	77	90	82	75	84	78	72	61
3.00	96	88	81	93	86	80	87	81	76	65
4.00	100	93	87	97	91	85	91	86	81	69
5.00	103	97	91	99	94	89	93	88	84	71
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

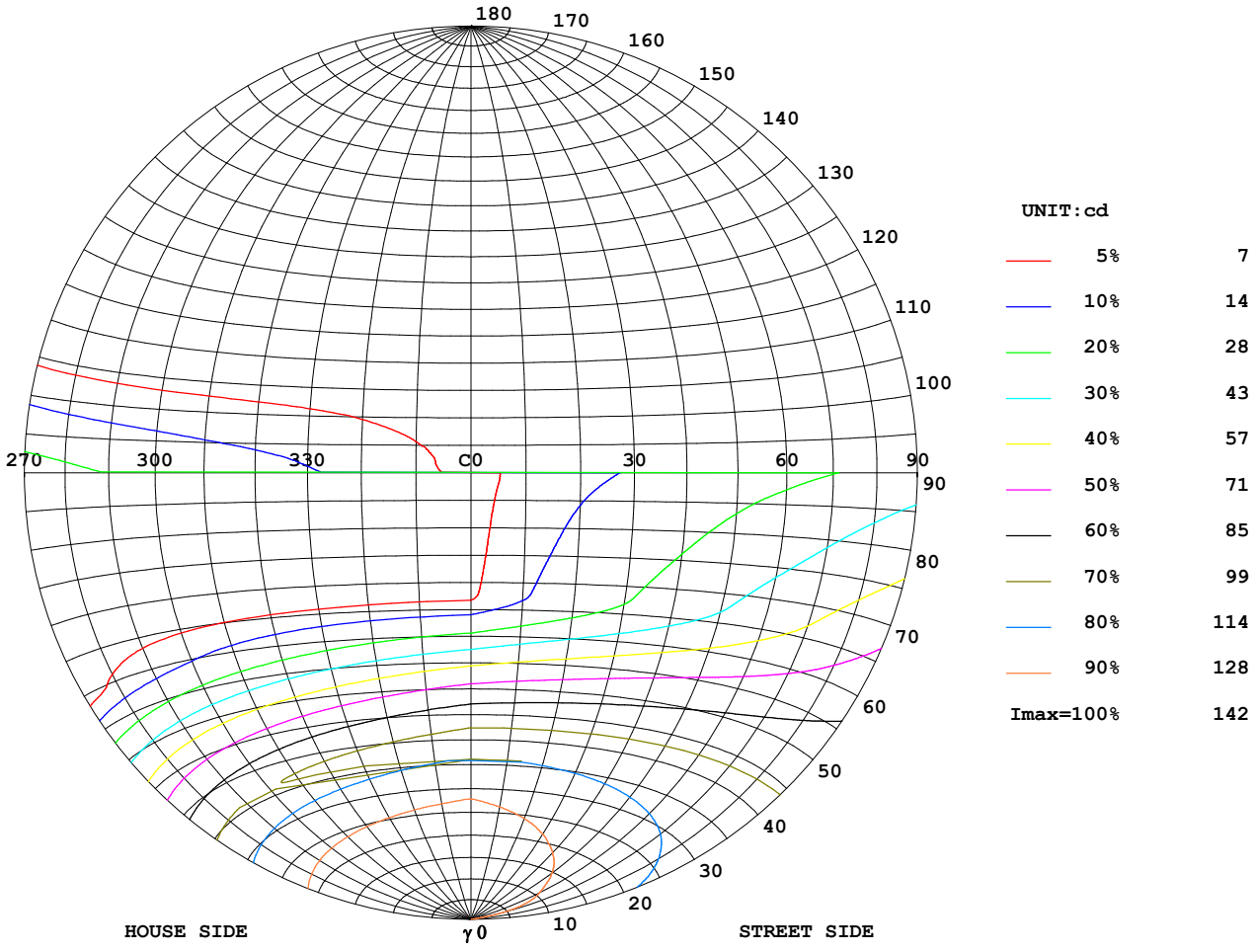
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP20

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



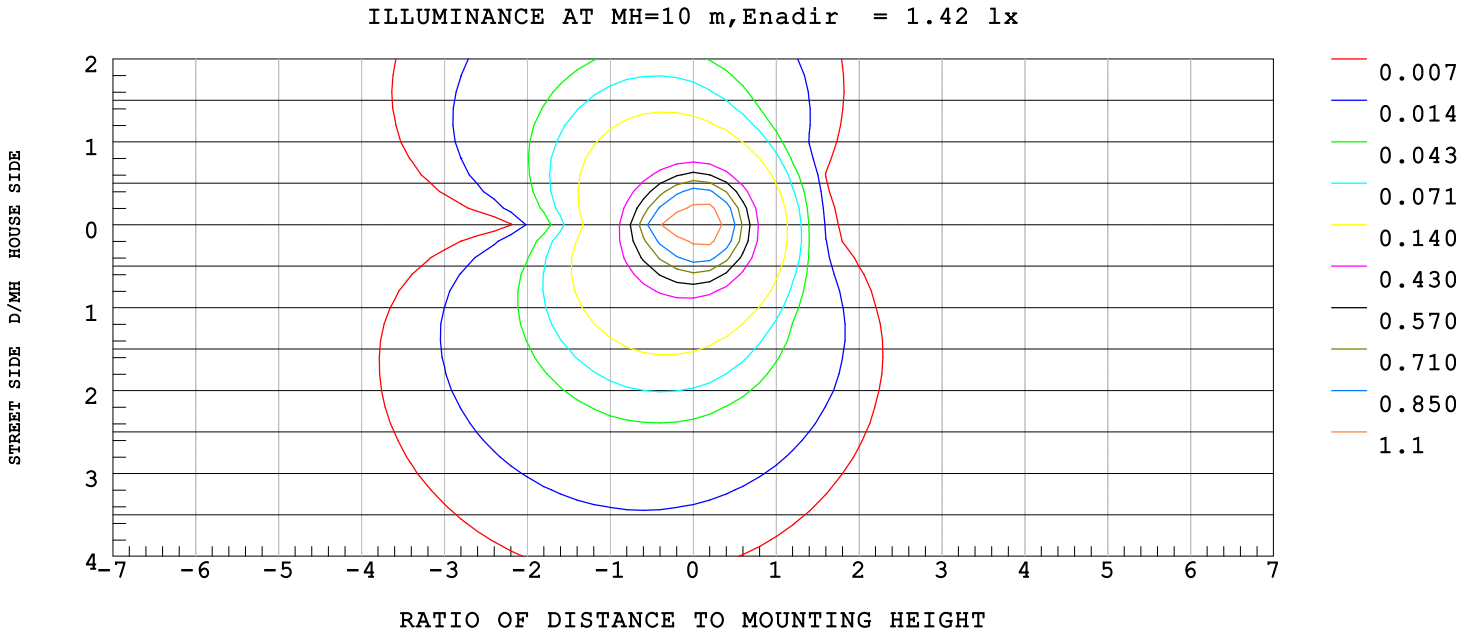
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

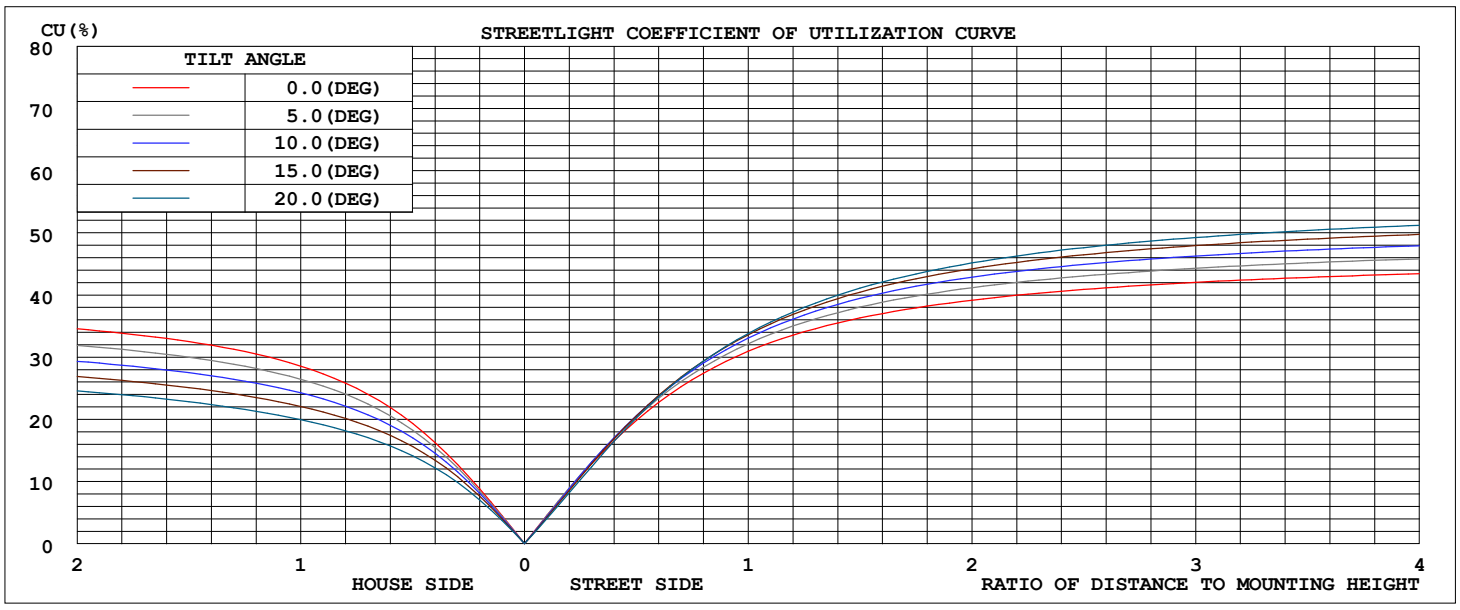
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP20

ISOLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:





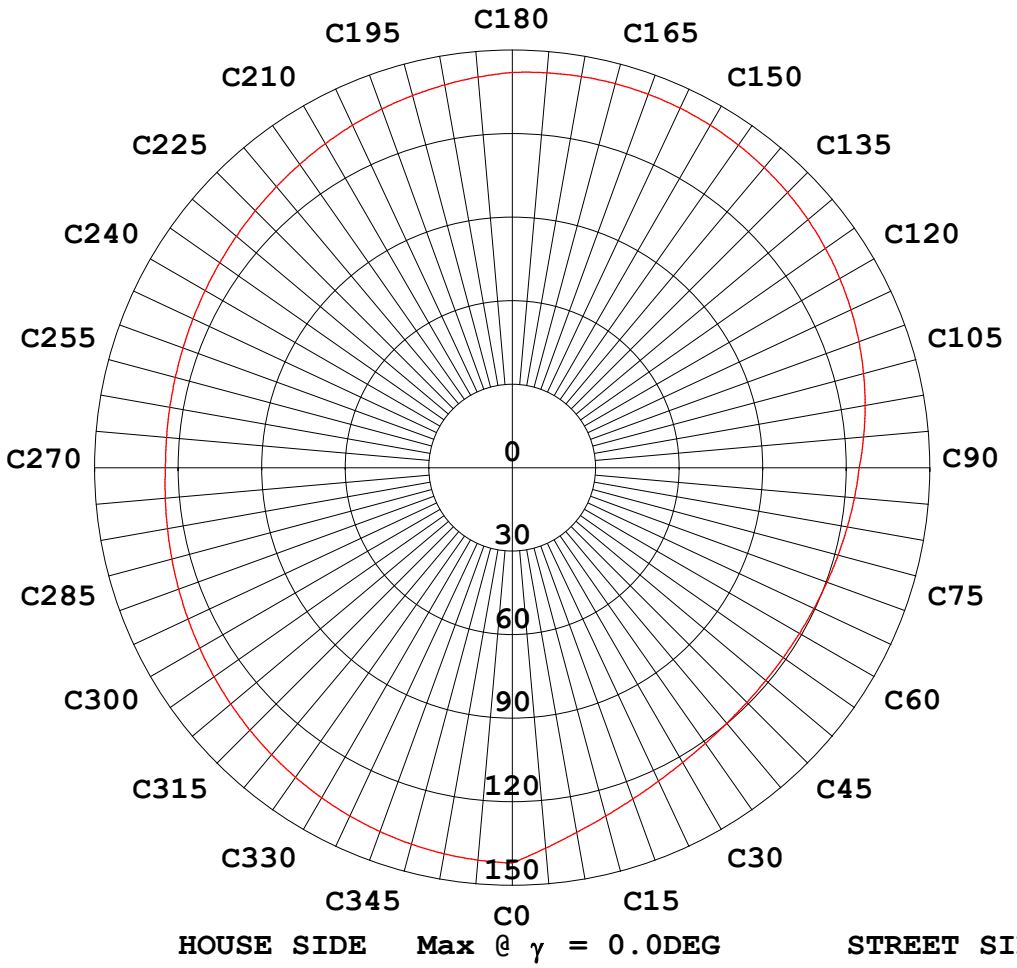
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-4.8W/IP20

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		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/IP20

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925482		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG) \ C(DEG)	0	90	180	270
0.0	142	125	142	125
5.0	142	124	141	124
10.0	141	122	140	122
15.0	140	118	137	120
20.0	136	115	132	116
25.0	131	112	122	108
30.0	125	110	112	98.3
35.0	117	107	98.6	86.5
40.0	105	103	82.0	77.3
45.0	92.0	98.3	62.4	69.9
50.0	74.9	92.7	40.8	64.3
55.0	54.5	86.8	19.2	59.3
60.0	31.5	80.5	4.95	55.1
65.0	11.2	73.7	4.13	51.2
70.0	5.80	66.4	3.61	48.2
75.0	5.43	58.7	3.44	45.9
80.0	5.31	51.7	3.53	44.0
85.0	5.23	44.3	3.61	42.1
90.0	5.35	34.6	3.69	40.6
95.0	5.39	22.4	3.85	39.3
100.0	5.39	12.5	4.05	38.4
105.0	5.31	6.49	4.21	37.3
110.0	5.27	4.70	4.38	5.59
115.0	5.19	4.17	4.54	5.15
120.0	5.11	4.21	4.66	4.86
125.0	5.03	4.17	4.82	4.66
130.0	4.95	3.85	4.95	4.50
135.0	4.86	3.81	4.86	4.38
140.0	4.82	3.77	4.82	4.30
145.0	4.78	4.21	4.78	4.21
150.0	4.78	4.13	4.78	4.13
155.0	4.74	4.09	4.74	4.09
160.0	4.70	4.01	4.70	4.01
165.0	4.70	3.97	4.70	3.97
170.0	4.66	3.93	4.66	3.93
175.0	4.66	3.93	4.66	3.93
180.0	4.62	3.89	4.62	3.89

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/IP20