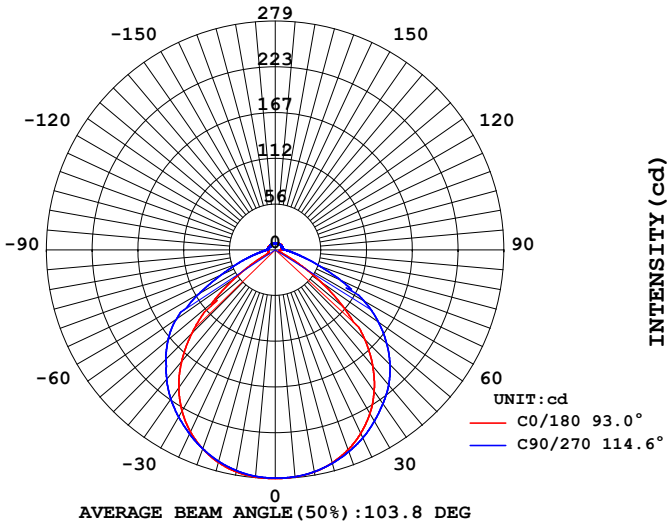
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

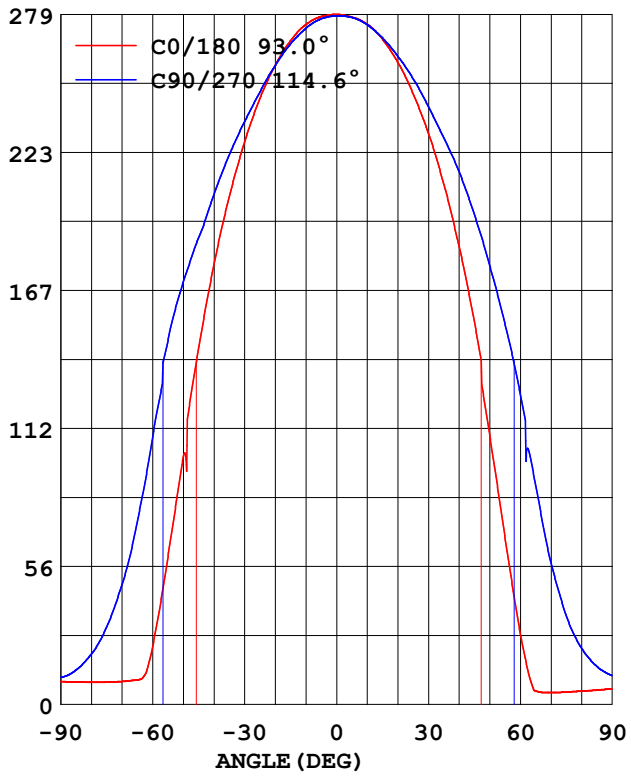
DATA OF LAMP		Imax(cd)	278.7	S/MH(C0/180)	1.21
MODEL	24V-480D-2700K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.26
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	711.6	Voltage(V)	23.92
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	77.7	Current(A)	0.382
NOMINAL FLUX(lm)	711.6	η up(%)	7.9	Power(W)	9.160
LAMPS QUANTITY	1	η down(%)	92.1	Power Factor(PF)	1.000
TEST VOLTAGE(V)	23.9	Effictive Flux(lm)	631.3	EEI	0.173

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):103.8 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-9.6W/IP20

Color Temperature Data List

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

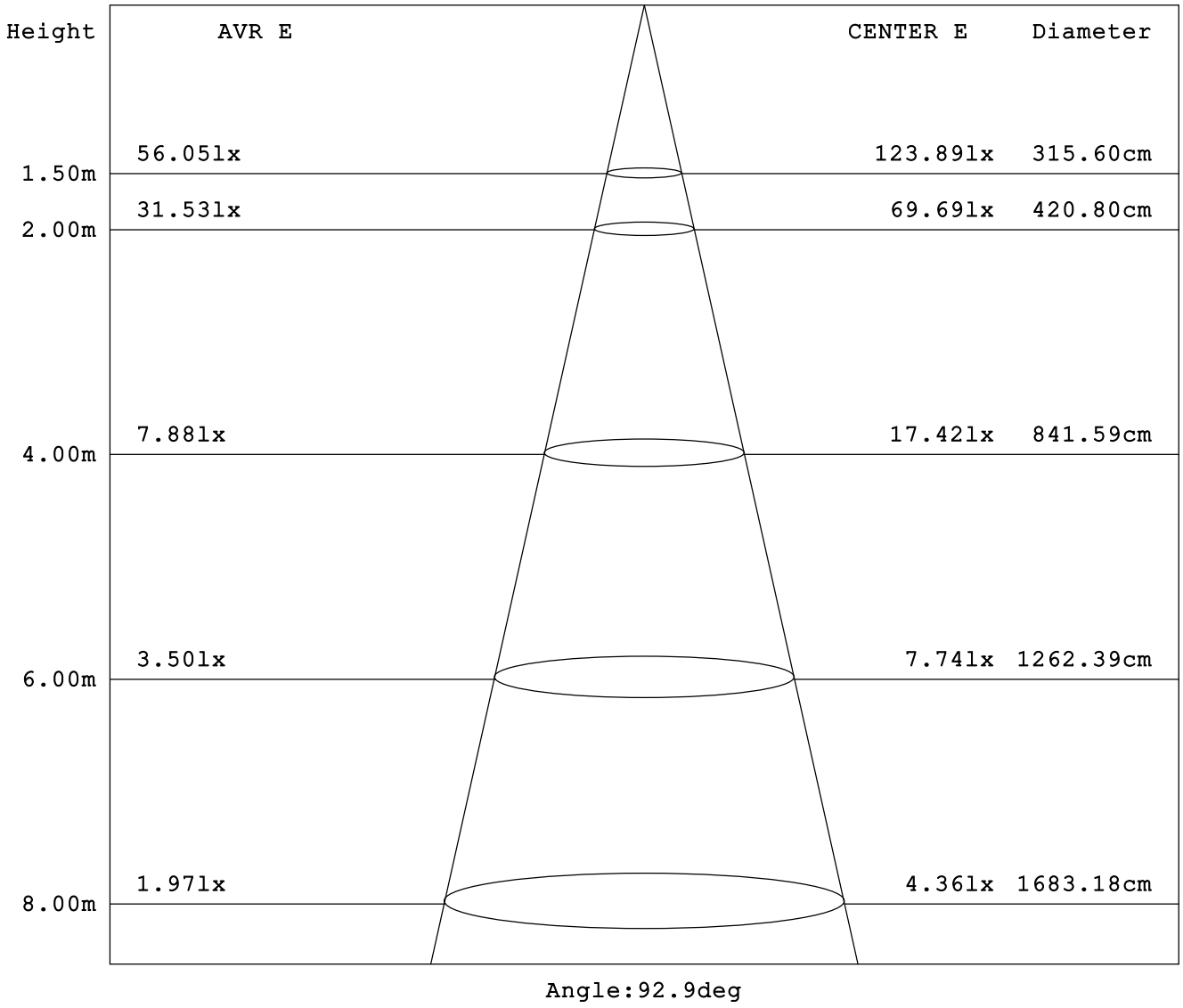
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP20

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



Angle:92.9deg

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-9.6W/IP20

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

γ	C0	C90	C180	C270					γ	zone	total
5.0	277.9	276.9	277.6	277.5					0- 5	6.382	6.382
10.0	274.7	273.3	274.9	274.7					5- 10	18.97	25.35
15.0	268.5	267.2	269.2	269.6					10- 15	30.95	56.30
20.0	259.0	258.8	260.1	262.4					15- 20	41.88	98.19
25.0	246.3	248.5	248.2	253.7					20- 25	51.37	149.5
30.0	229.5	236.8	232.8	242.9					25- 30	59.00	208.5
35.0	208.4	224.0	213.3	230.7					30- 35	64.46	273.0
40.0	182.4	208.8	189.2	217.6					35- 40	67.32	340.3
45.0	150.2	191.2	160.4	201.2					40- 45	67.04	407.4
50.0	96.93	174.3	116.7	181.7					45- 50	62.96	470.3
55.0	68.61	153.4	76.64	159.1					50- 55	54.52	524.9
60.0	31.28	116.7	37.16	132.7					55- 60	43.33	568.2
65.0	10.30	81.96	8.155	97.05					60- 65	29.67	597.9
70.0	9.413	54.12	4.788	64.88					65- 70	20.04	617.9
75.0	9.089	35.74	4.950	41.59					70- 75	14.11	632.0
80.0	9.048	23.12	5.274	26.05					75- 80	9.921	641.9
85.0	9.089	15.70	5.680	17.40					80- 85	7.293	649.2
90.0	9.170	11.56	6.167	12.70					85- 90	5.776	655.0
95.0	9.332	10.18	6.735	10.50					90- 95	5.096	660.1
100.0	9.373	9.494	7.100	9.494					95-100	4.813	664.9
105.0	9.373	9.251	7.466	9.048					100-105	4.652	669.6
110.0	9.332	9.048	7.750	8.886					105-110	4.545	674.1
115.0	9.292	8.805	8.034	8.683					110-115	4.403	678.5
120.0	9.170	8.318	8.318	8.521					115-120	4.213	682.7
125.0	9.048	8.034	8.521	8.602					120-125	3.980	686.7
130.0	8.926	7.912	8.724	8.642					125-130	3.762	690.5
135.0	8.845	8.602	8.845	8.602					130-135	3.586	694.1
140.0	8.805	8.521	8.805	8.521					135-140	3.316	697.4
145.0	8.764	8.480	8.764	8.480					140-145	3.006	700.4
150.0	8.724	8.439	8.724	8.439					145-150	2.677	703.1
155.0	8.683	8.358	8.683	8.358					150-155	2.334	705.4
160.0	8.642	8.318	8.642	8.318					155-160	1.978	707.4
165.0	8.602	8.318	8.602	8.318					160-165	1.613	709.0
170.0	8.561	8.277	8.561	8.277					165-170	1.238	710.2
175.0	8.561	8.237	8.561	8.237					170-175	0.857	711.1
180.0	8.521	8.196	8.521	8.196					175-180	0.475	711.6
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-9.6W/IP20

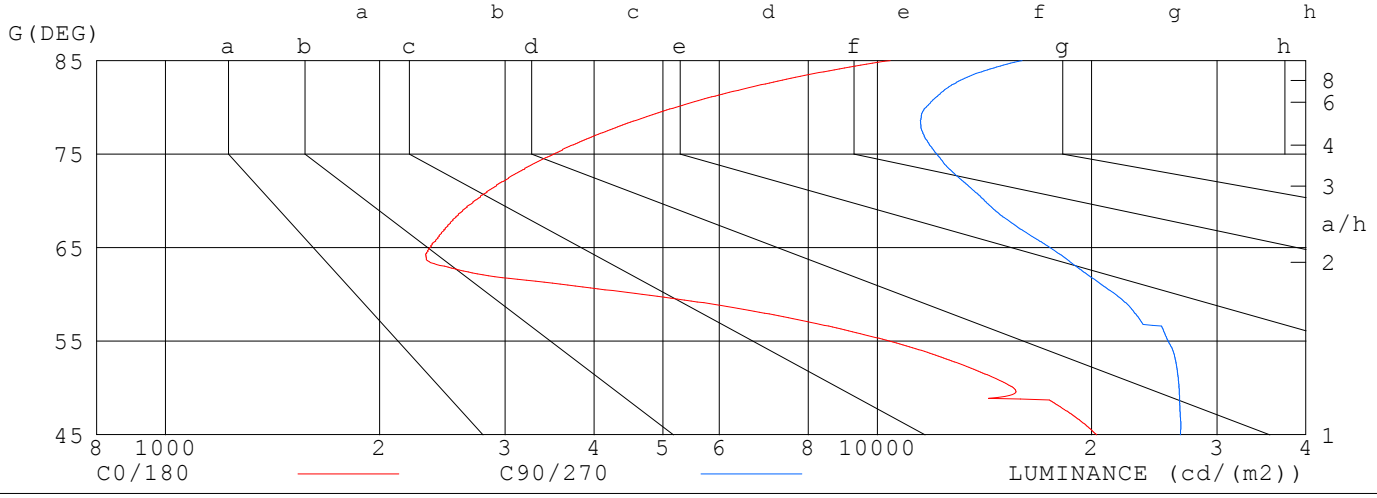
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		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	10429	16109
80	5211	11777
75	3512	12229
70	2717	14272
65	2352	17638
60	4804	21757
55	10555	25722
50	15617	26601
45	20429	26689

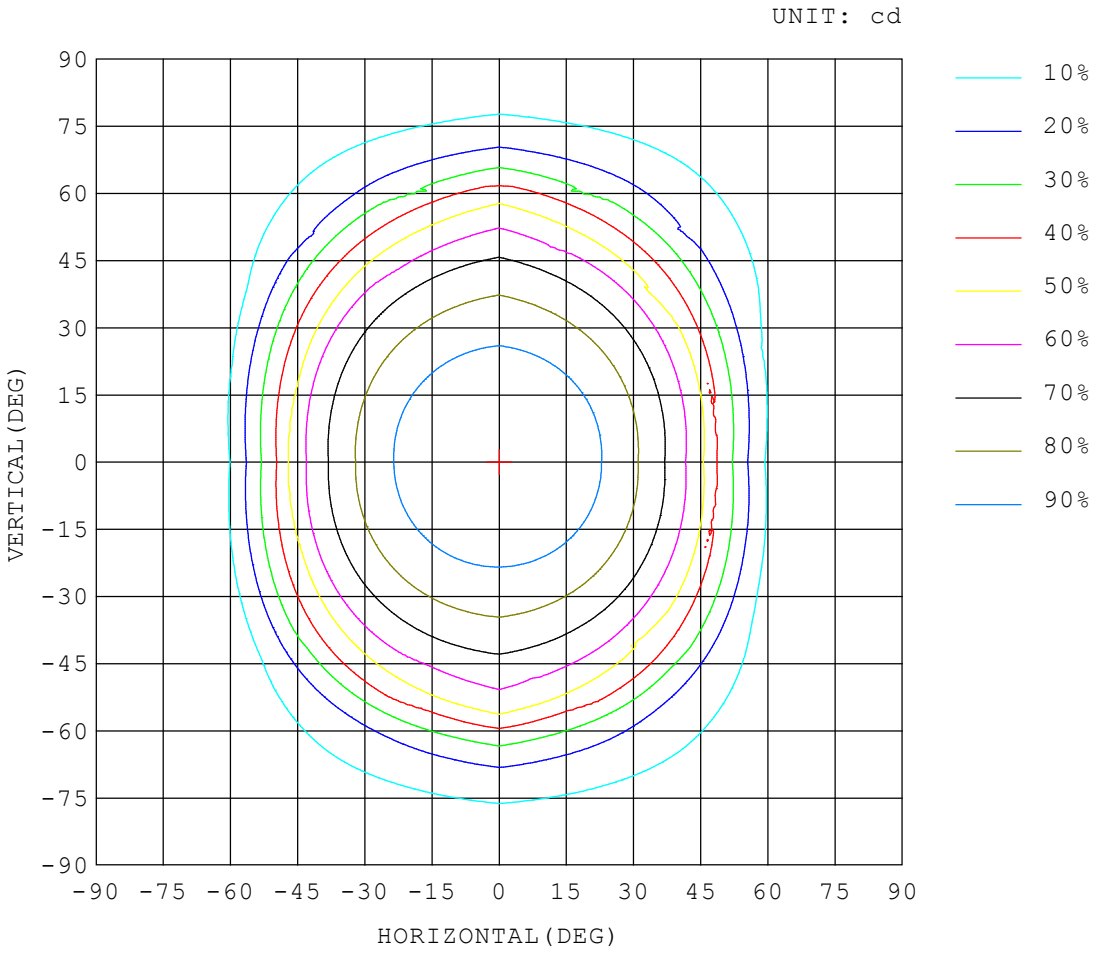
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP20

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



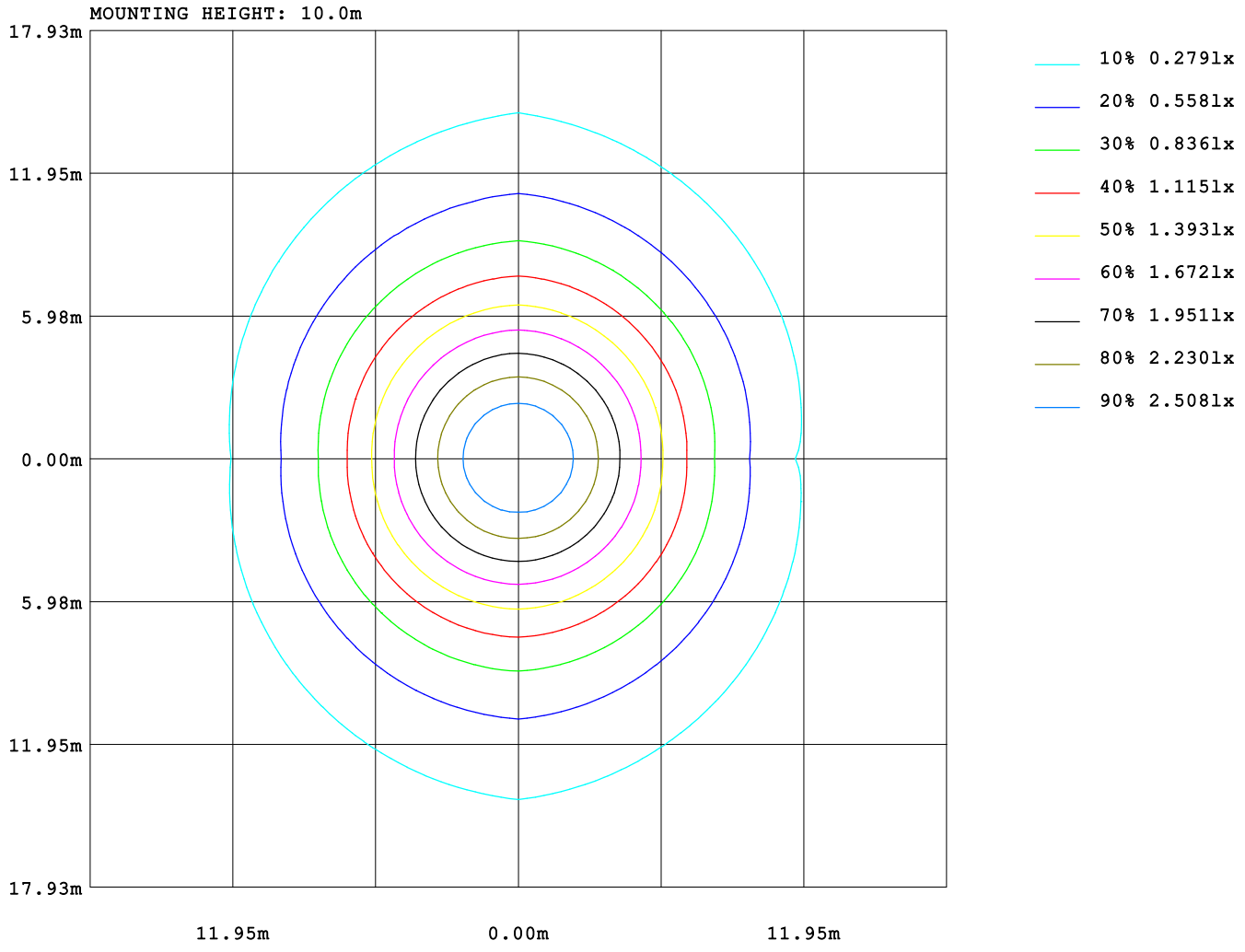
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP20

ISOLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		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-9.6W/IP20

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		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	0.02	0.06	0.10	0.16	0.22	0.28	0.35	0.41	0.47	0.47	0.43	0.38	0.31	0.25	0.19	0.13	0.08	0.03	4.33	0.00
80	0.02	0.06	0.11	0.20	0.32	0.48	0.68	0.89	1.06	1.07	0.91	0.71	0.52	0.36	0.23	0.15	0.08	0.03	7.85	3.50
70	0.02	0.06	0.13	0.27	0.52	0.92	1.44	2.01	2.51	2.52	2.03	1.48	0.97	0.57	0.31	0.17	0.08	0.03	16.0	14.1
60	0.02	0.06	0.15	0.38	0.85	1.71	2.78	3.75	4.42	4.41	3.71	2.73	1.69	0.89	0.43	0.19	0.09	0.03	28.3	27.0
50	0.02	0.06	0.18	0.51	1.43	2.82	4.15	5.20	5.83	5.81	5.14	4.07	2.72	1.38	0.55	0.22	0.09	0.03	40.2	39.3
40	0.02	0.06	0.19	0.73	2.13	3.82	5.29	6.29	6.84	6.82	6.24	5.19	3.69	2.02	0.71	0.24	0.09	0.03	50.4	49.6
30	0.02	0.06	0.19	1.00	2.71	4.59	6.04	7.05	7.58	7.57	7.01	5.96	4.45	2.57	0.92	0.23	0.09	0.02	58.1	57.4
	0.02	0.05	0.18	1.19	3.12	5.03	6.53	7.57	8.10	8.09	7.55	6.47	4.91	2.95	1.08	0.21	0.08	0.02	63.1	62.6
	0.02	0.04	0.16	1.24	3.28	5.22	6.76	7.83	8.36	8.36	7.82	6.71	5.09	3.09	1.11	0.18	0.08	0.02	65.4	64.9
	0.02	0.04	0.15	1.23	3.27	5.21	6.74	7.82	8.34	8.34	7.80	6.69	5.08	3.08	1.11	0.17	0.07	0.02	65.2	64.7
	0.02	0.05	0.17	1.17	3.09	4.99	6.47	7.51	8.03	8.03	7.49	6.41	4.86	2.92	1.06	0.20	0.08	0.02	62.6	62.0
-30	0.02	0.06	0.17	0.96	2.67	4.51	5.94	6.93	7.44	7.43	6.90	5.87	4.37	2.53	0.88	0.21	0.08	0.02	57.0	56.3
-40	0.02	0.06	0.17	0.67	2.07	3.73	5.15	6.12	6.64	6.62	6.06	5.04	3.60	1.96	0.64	0.21	0.09	0.02	48.9	48.0
-50	0.02	0.06	0.16	0.44	1.31	2.71	4.03	5.01	5.58	5.56	4.95	3.95	2.62	1.25	0.48	0.20	0.08	0.02	38.4	37.4
-60	0.02	0.06	0.14	0.33	0.73	1.50	2.53	3.49	4.15	4.14	3.45	2.48	1.48	0.77	0.38	0.18	0.08	0.02	25.9	24.5
-70	0.02	0.06	0.12	0.24	0.46	0.78	1.22	1.71	2.13	2.13	1.72	1.25	0.83	0.50	0.29	0.16	0.08	0.02	13.7	11.5
-80	0.02	0.06	0.11	0.18	0.29	0.43	0.60	0.77	0.93	0.93	0.79	0.63	0.47	0.33	0.22	0.14	0.08	0.02	6.99	2.30
-90	0.02	0.06	0.10	0.15	0.20	0.26	0.32	0.38	0.42	0.43	0.39	0.35	0.29	0.24	0.18	0.13	0.08	0.02	4.02	0.00
HORIZONTAL(DEG)																				
Φ t	0.30	1.00	2.66	11.0	28.6	49.0	67.1	80.8	88.9	88.7	80.4	66.4	48.0	27.7	10.7	3.31	1.46	0.45	712	
Φ a	0.00	0.00	0.03	8.42	26.7	47.3	65.5	79.3	87.4	87.3	78.9	64.8	46.2	25.7	7.95	0.00	0.00	0.00		631

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

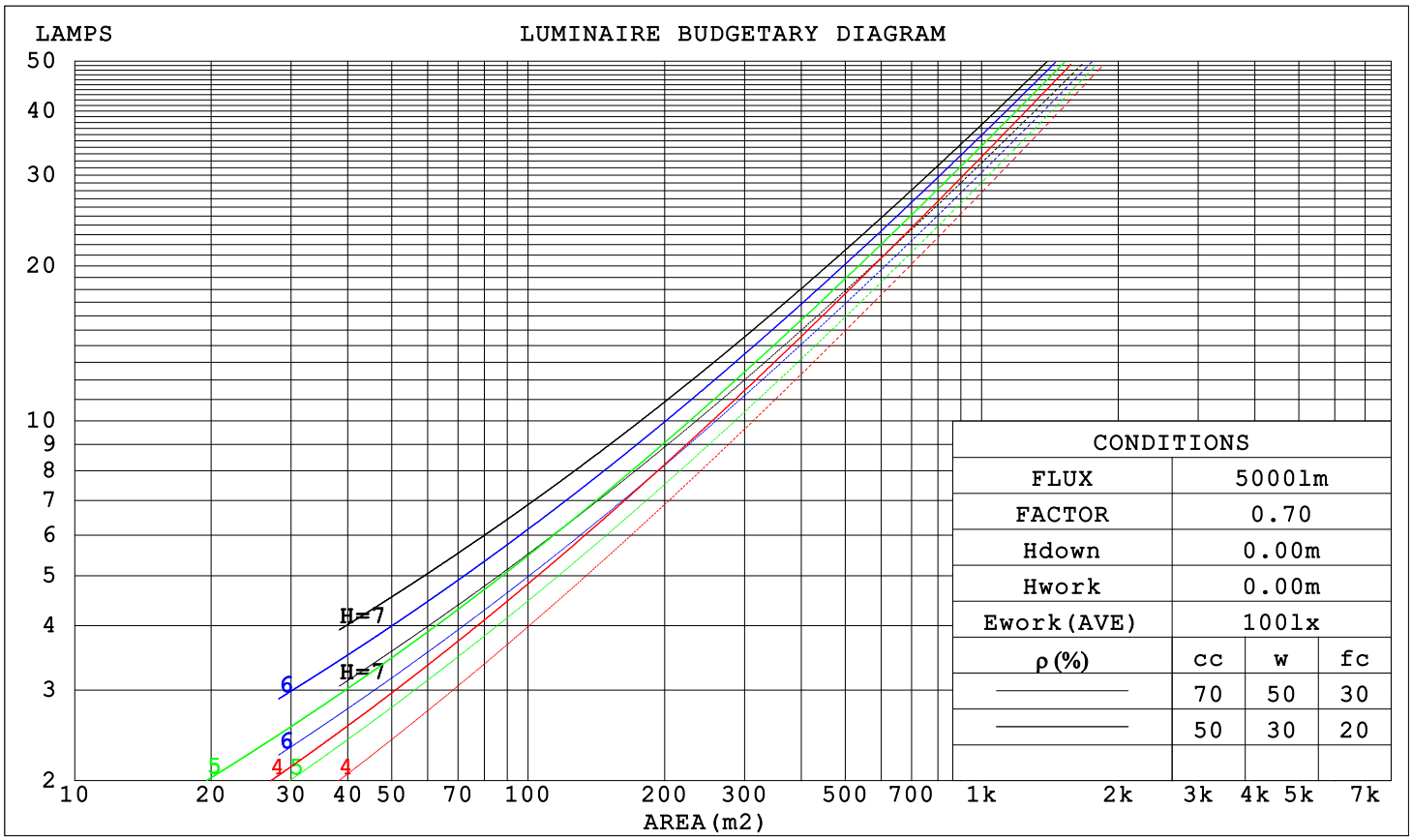
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP20

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		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	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.00	1.00	1.00	.95	.95	.95	.92
1.0	1.04	.00	.96	1.01	.97	.94	.95	.92	.90	.90	.88	.85	.85	.83	.82	.79
2.0	.92	.85	.80	.89	.83	.79	.84	.80	.76	.80	.76	.73	.76	.73	.70	.68
3.0	.81	.74	.68	.79	.72	.67	.75	.69	.65	.71	.67	.63	.68	.64	.61	.58
4.0	.73	.65	.58	.71	.63	.58	.67	.61	.56	.64	.59	.54	.61	.57	.53	.51
5.0	.65	.57	.51	.64	.56	.50	.61	.54	.49	.58	.52	.48	.55	.50	.46	.44
6.0	.59	.51	.45	.58	.50	.44	.55	.48	.43	.53	.47	.42	.51	.45	.41	.39
7.0	.54	.45	.40	.52	.45	.39	.50	.43	.38	.48	.42	.38	.46	.41	.37	.35
8.0	.49	.41	.35	.48	.40	.35	.46	.39	.34	.44	.38	.34	.43	.37	.33	.31
9.0	.45	.37	.32	.44	.37	.32	.42	.36	.31	.41	.35	.31	.39	.34	.30	.28
10.0	.42	.34	.29	.41	.34	.29	.39	.33	.28	.38	.32	.28	.36	.31	.27	.26



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-9.6W/IP20

WEC AND CCEC

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		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	.278	.158	.050	.269	.153	.049	.251	.144	.046	.235	.136	.043	.220	.128	.041	
2.0	.262	.144	.044	.254	.140	.043	.238	.132	.041	.224	.125	.039	.210	.119	.038	
3.0	.245	.130	.039	.237	.127	.038	.223	.121	.037	.211	.115	.035	.199	.110	.034	
4.0	.228	.119	.035	.222	.116	.034	.209	.111	.033	.198	.106	.032	.187	.101	.031	
5.0	.213	.109	.031	.207	.106	.031	.196	.102	.030	.185	.098	.029	.175	.094	.028	
6.0	.199	.100	.029	.194	.098	.028	.184	.094	.027	.174	.090	.027	.165	.087	.026	
7.0	.187	.092	.026	.182	.091	.026	.172	.087	.025	.164	.084	.024	.156	.081	.024	
8.0	.175	.086	.024	.171	.084	.024	.162	.081	.023	.155	.078	.023	.147	.076	.022	
9.0	.165	.080	.022	.161	.078	.022	.153	.076	.021	.146	.073	.021	.139	.071	.020	
10.0	.156	.075	.021	.152	.073	.020	.145	.071	.020	.138	.069	.020	.132	.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	.251	.251	.251	.215	.215	.215	.146	.146	.146	.084	.084	.084	.027	.027	.027	
1.0	.239	.217	.198	.205	.187	.170	.140	.128	.118	.081	.074	.069	.026	.024	.022	
2.0	.230	.194	.163	.197	.167	.141	.135	.115	.098	.078	.067	.058	.025	.022	.019	
3.0	.221	.176	.140	.190	.152	.121	.130	.105	.085	.075	.062	.050	.024	.020	.016	
4.0	.214	.163	.123	.183	.140	.107	.126	.098	.076	.073	.057	.045	.023	.019	.015	
5.0	.207	.152	.112	.177	.132	.097	.122	.092	.069	.071	.054	.041	.023	.018	.013	
6.0	.200	.144	.104	.172	.125	.090	.118	.087	.064	.069	.051	.038	.022	.017	.013	
7.0	.193	.137	.097	.166	.119	.085	.115	.083	.060	.067	.049	.036	.022	.016	.012	
8.0	.187	.131	.093	.161	.114	.081	.112	.080	.057	.065	.047	.034	.021	.015	.011	
9.0	.182	.126	.089	.157	.110	.078	.108	.077	.055	.063	.046	.033	.020	.015	.011	
10.0	.176	.122	.086	.152	.106	.075	.106	.075	.053	.062	.044	.032	.020	.015	.011	

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-9.6W/IP20

UGR Table

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		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	20.3	21.6	20.7	22.0	22.3	23.1	24.5	23.5	24.8	25.1
3H	20.3	21.5	20.7	21.9	22.3	23.9	25.1	24.3	25.5	25.9
4H	20.4	21.5	20.8	21.9	22.3	24.2	25.3	24.6	25.7	26.1
6H	20.5	21.5	20.9	21.9	22.4	24.4	25.5	24.9	25.9	26.3
8H	20.6	21.6	21.0	22.0	22.5	24.6	25.6	25.0	26.0	26.4
12H	20.8	21.8	21.2	22.2	22.6	24.7	25.7	25.2	26.1	26.6
4H 2H	20.7	21.9	21.1	22.2	22.6	23.1	24.3	23.5	24.6	25.1
3H	20.9	21.9	21.4	22.3	22.8	24.0	25.0	24.5	25.5	25.9
4H	21.0	21.9	21.5	22.4	22.9	24.4	25.3	24.9	25.8	26.3
6H	21.3	22.0	21.8	22.5	23.1	24.8	25.6	25.3	26.1	26.6
8H	21.5	22.2	22.0	22.7	23.2	25.0	25.7	25.5	26.2	26.8
12H	21.8	22.4	22.3	22.9	23.5	25.3	25.9	25.8	26.4	27.0
8H 4H	21.3	22.0	21.8	22.5	23.0	24.4	25.1	24.9	25.6	26.2
6H	21.7	22.3	22.2	22.8	23.4	24.9	25.5	25.5	26.1	26.6
8H	22.0	22.5	22.6	23.1	23.7	25.2	25.8	25.8	26.3	26.9
12H	22.5	22.9	23.1	23.5	24.2	25.6	26.1	26.2	26.6	27.3
12H 4H	21.3	22.0	21.8	22.5	23.0	24.4	25.0	24.9	25.6	26.1
6H	21.8	22.3	22.4	22.9	23.5	24.9	25.5	25.5	26.0	26.6
8H	22.2	22.7	22.8	23.2	23.9	25.3	25.7	25.9	26.3	27.0

Variations with the observer position at spacings:		
S = 1.0H	+ 0.7 / - 1.0	+ 0.2 / - 0.2
1.5H	+ 0.4 / - 0.8	+ 0.4 / - 0.4
2.0H	+ 1.4 / - 2.3	+ 0.9 / - 1.2

CIE Pub.117 Corrected 711.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.2)

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-9.6W/IP20

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		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	59	48	41	58	47	41	56	47	41	34
0.80	69	58	51	68	57	51	65	56	50	43
1.00	77	67	60	76	66	60	73	67	59	52
1.25	84	74	68	82	73	67	79	71	66	58
1.50	89	80	73	87	79	73	83	76	71	63
2.00	95	87	81	93	86	80	89	83	78	69
2.50	99	91	86	96	90	84	91	86	82	72
3.00	102	95	90	99	93	89	94	89	85	75
4.00	105	100	95	102	97	93	97	93	90	79
5.00	107	103	99	104	100	97	99	95	92	81
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

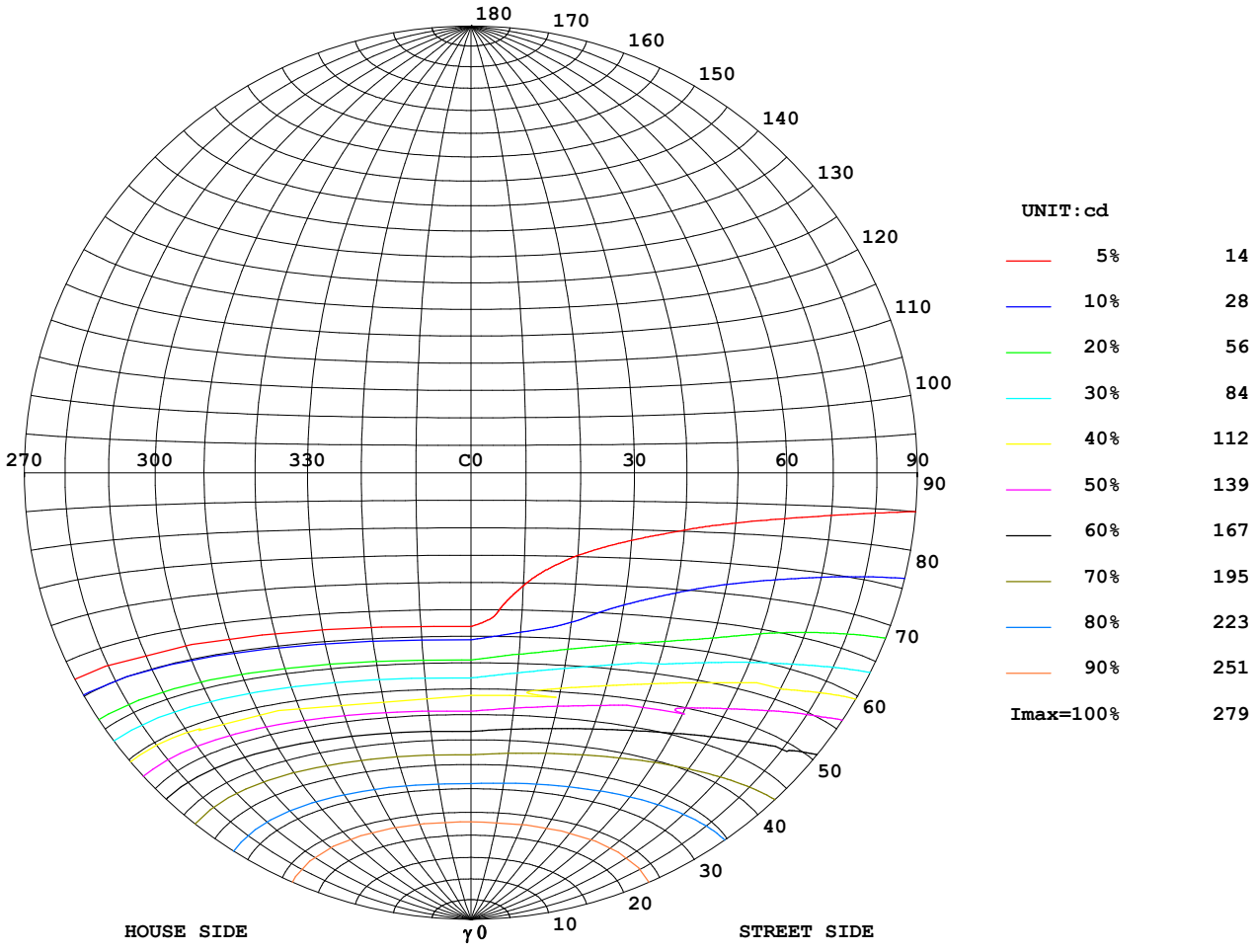
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP20

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



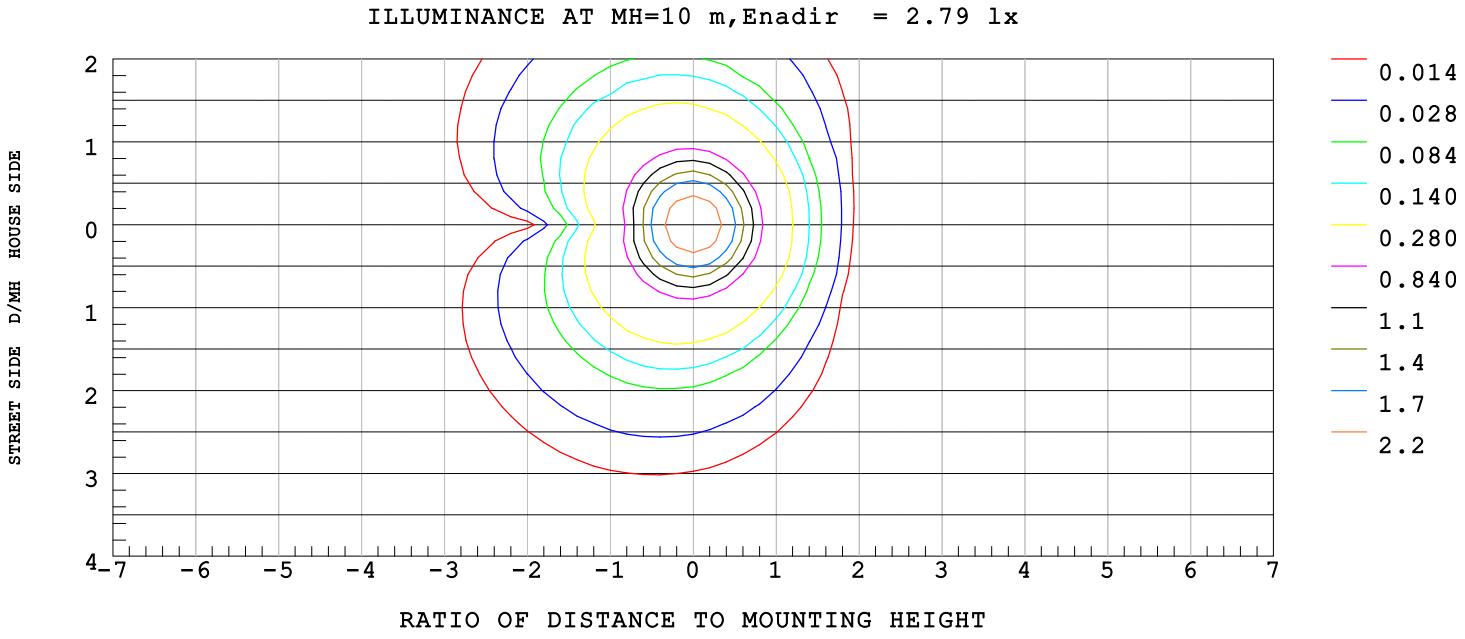
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

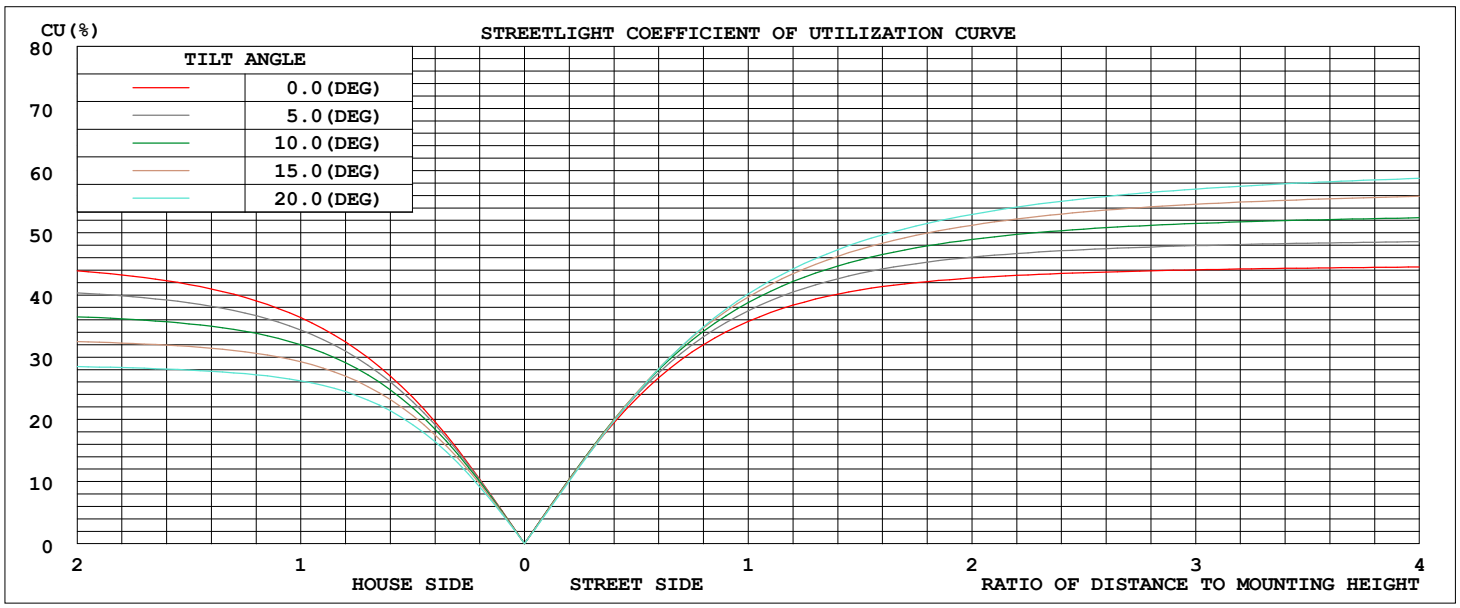
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP20

ISOLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:





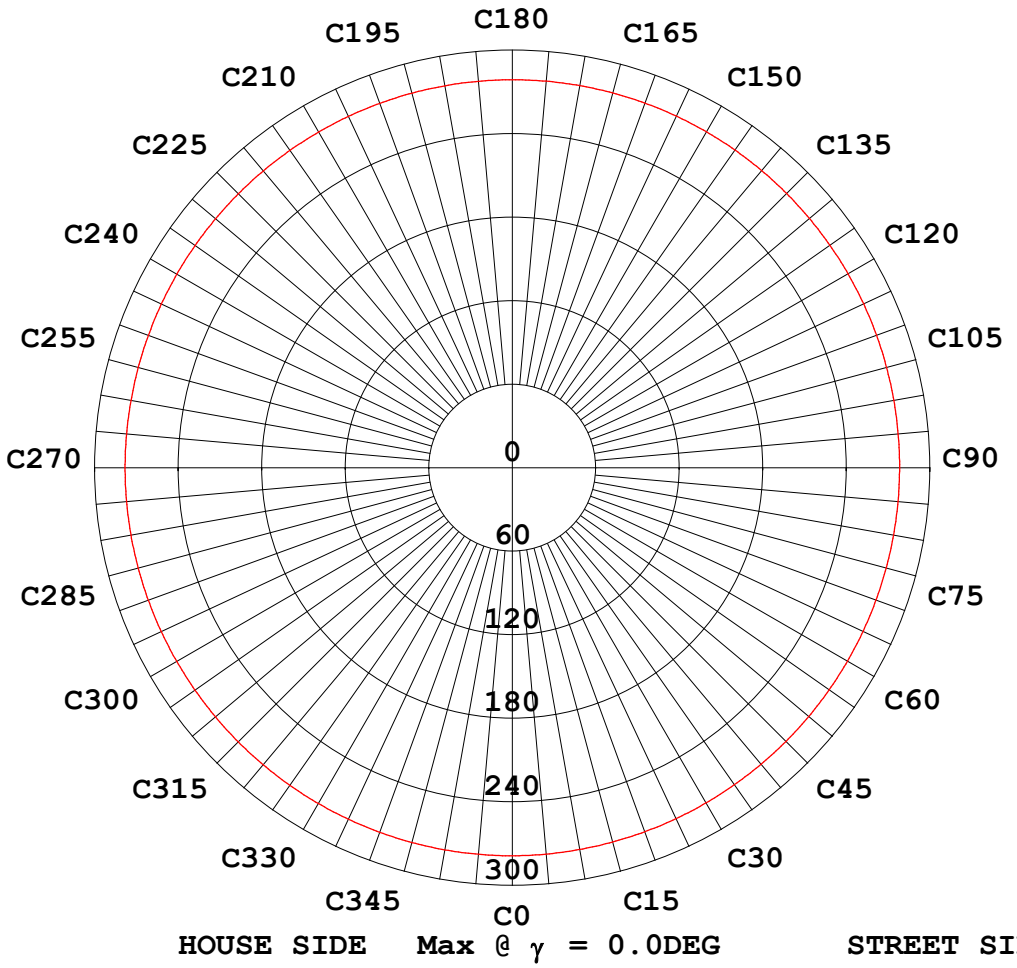
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP20

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		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-9.6W/IP20

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG) \ C(DEG)	0	90	180	270
0.0	279	278	279	278
5.0	278	277	278	278
10.0	275	273	275	275
15.0	268	267	269	269
20.0	258	258	260	262
25.0	245	248	247	253
30.0	228	236	231	242
35.0	206	222	211	229
40.0	178	206	186	216
45.0	144	189	155	198
50.0	100	171	110	178
55.0	60.5	148	68.2	154
60.0	24.0	109	29.3	126
65.0	9.94	74.5	5.51	89.2
70.0	9.29	48.8	4.86	57.7
75.0	9.08	31.6	5.03	36.1
80.0	9.04	20.4	5.39	22.8
85.0	9.08	14.0	5.84	15.4
90.0	9.29	10.9	6.28	11.6
95.0	9.37	9.86	6.85	10.0
100.0	9.37	9.33	7.22	9.25
105.0	9.37	9.17	7.58	8.96
110.0	9.33	8.92	7.91	8.80
115.0	9.25	8.72	8.15	8.56
120.0	9.12	8.15	8.39	8.56
125.0	8.96	7.95	8.64	8.60
130.0	8.88	8.64	8.88	8.64
135.0	8.80	8.56	8.80	8.56
140.0	8.76	8.48	8.76	8.48
145.0	8.72	8.43	8.72	8.43
150.0	8.68	8.39	8.68	8.39
155.0	8.64	8.35	8.64	8.35
160.0	8.64	8.31	8.64	8.31
165.0	8.60	8.27	8.60	8.27
170.0	8.56	8.23	8.56	8.23
175.0	8.52	8.19	8.52	8.19
180.0	8.52	8.15	8.52	8.15

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-9.6W/IP20