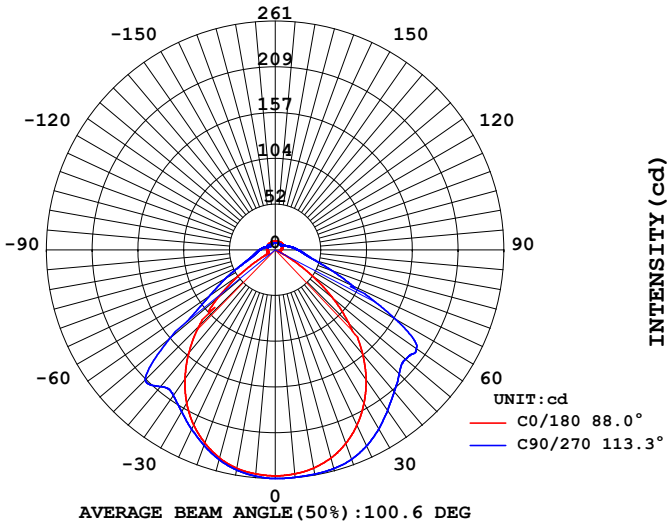
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

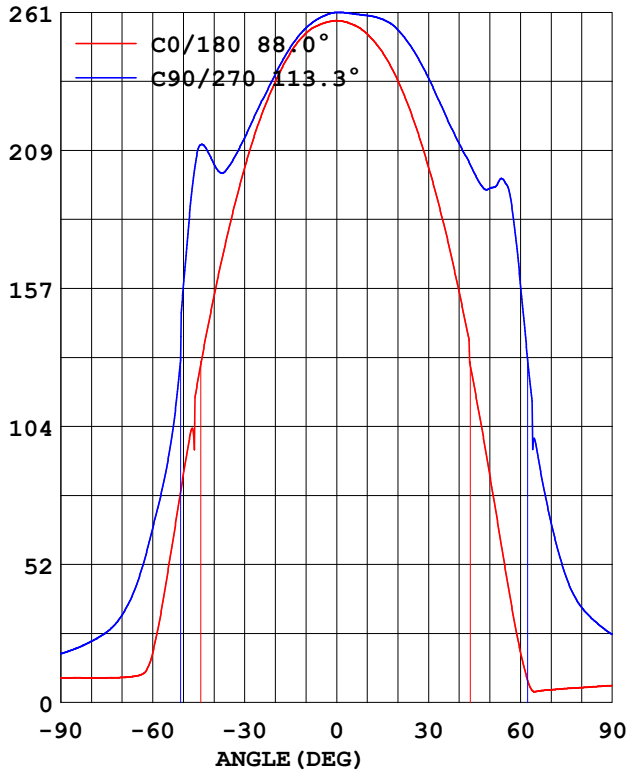
DATA OF LAMP		Imax(cd)	261.0	S/MH(C0/180)	1.17
MODEL	24V-480D-2700K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.23
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	682.9	Voltage(V)	23.92
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	77.5	Current(A)	0.368
NOMINAL FLUX(lm)	682.9	η up(%)	10.1	Power(W)	8.810
LAMPS QUANTITY	1	η down(%)	89.9	Power Factor(PF)	1.000
TEST VOLTAGE(V)	23.9	Effictive Flux(lm)	594.4	EEI	0.174

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):100.6 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/IP54

Color Temperature Data List

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

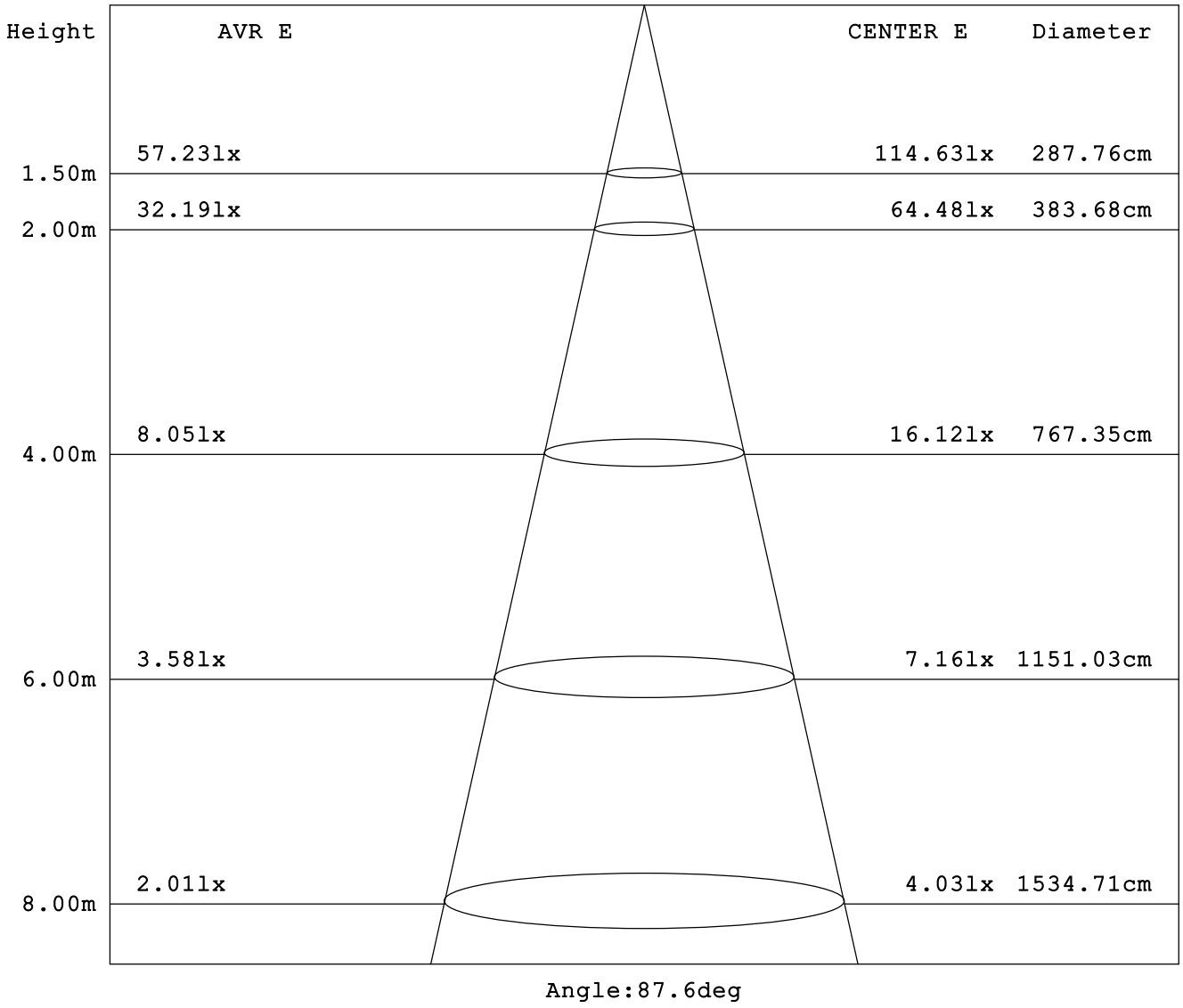
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP54

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



Angle:87.6deg

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/IP54

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

γ	C0	C90	C180	C270					γ	zone	total
5.0	256.6	259.2	256.5	260.5					0- 5	5.943	5.943
10.0	253.2	255.2	253.0	259.8					5- 10	17.65	23.59
15.0	246.3	248.4	246.4	258.5					10- 15	28.80	52.39
20.0	235.6	238.4	236.2	254.9					15- 20	38.91	91.31
25.0	221.9	227.3	222.4	247.6					20- 25	47.50	138.8
30.0	204.5	214.9	204.9	237.6					25- 30	54.22	193.0
35.0	183.1	204.1	184.1	225.6					30- 35	58.76	251.8
40.0	158.0	201.9	159.7	213.2					35- 40	61.32	313.1
45.0	129.0	211.0	124.8	202.3					40- 45	62.79	375.9
50.0	92.96	170.3	93.04	193.9					45- 50	59.66	435.6
55.0	57.61	99.25	58.71	198.1					50- 55	50.00	485.6
60.0	24.91	71.41	25.96	172.6					55- 60	39.83	525.4
65.0	10.54	49.95	4.747	115.0					60- 65	27.37	552.8
70.0	9.576	35.82	4.706	75.59					65- 70	18.01	570.8
75.0	9.332	28.11	5.153	52.62					70- 75	13.86	584.6
80.0	9.292	24.10	5.559	38.66					75- 80	11.13	595.8
85.0	9.292	21.30	5.924	31.81					80- 85	9.622	605.4
90.0	9.292	19.11	6.329	27.10					85- 90	8.699	614.1
95.0	9.332	17.04	6.735	23.41					90- 95	7.948	622.1
100.0	9.494	15.33	7.100	20.16					95-100	7.252	629.3
105.0	9.697	13.47	7.466	16.96					100-105	6.578	635.9
110.0	9.900	9.819	7.993	14.40					105-110	5.874	641.8
115.0	10.06	8.764	8.399	12.33					110-115	5.136	646.9
120.0	10.14	7.831	8.764	11.15					115-120	4.702	651.6
125.0	10.22	10.22	9.089	10.22					120-125	4.518	656.1
130.0	10.22	8.237	9.292	8.237					125-130	4.059	660.2
135.0	10.18	8.277	10.18	8.277					130-135	3.770	663.9
140.0	10.18	8.561	10.18	8.561					135-140	3.548	667.5
145.0	10.14	8.561	10.14	8.561					140-145	3.257	670.8
150.0	10.10	8.439	10.10	8.439					145-150	2.902	673.7
155.0	10.10	8.399	10.10	8.399					150-155	2.529	676.2
160.0	10.10	8.318	10.10	8.318					155-160	2.147	678.3
165.0	10.06	8.277	10.06	8.277					160-165	1.748	680.1
170.0	10.06	8.237	10.06	8.237					165-170	1.343	681.4
175.0	10.06	8.196	10.06	8.196					170-175	0.932	682.4
180.0	10.06	8.155	10.06	8.155					175-180	0.516	682.9
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/IP54

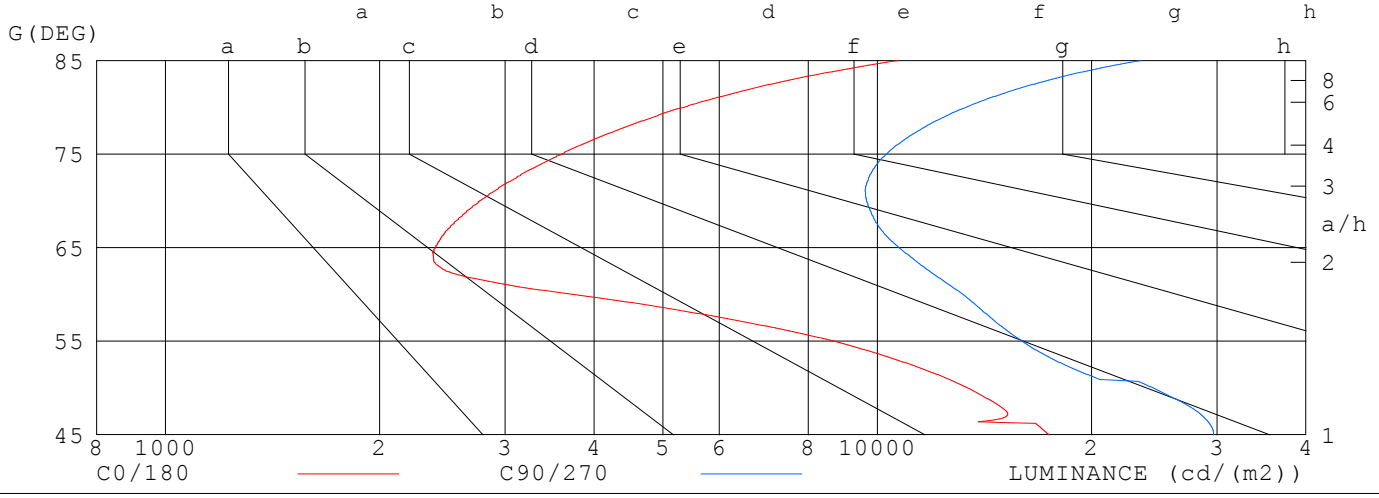
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		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	10708	23558
80	5328	13343
75	3606	10332
70	2764	9717
65	2400	10801
60	3830	13277
55	8815	16080
50	13490	24594
45	17519	29708

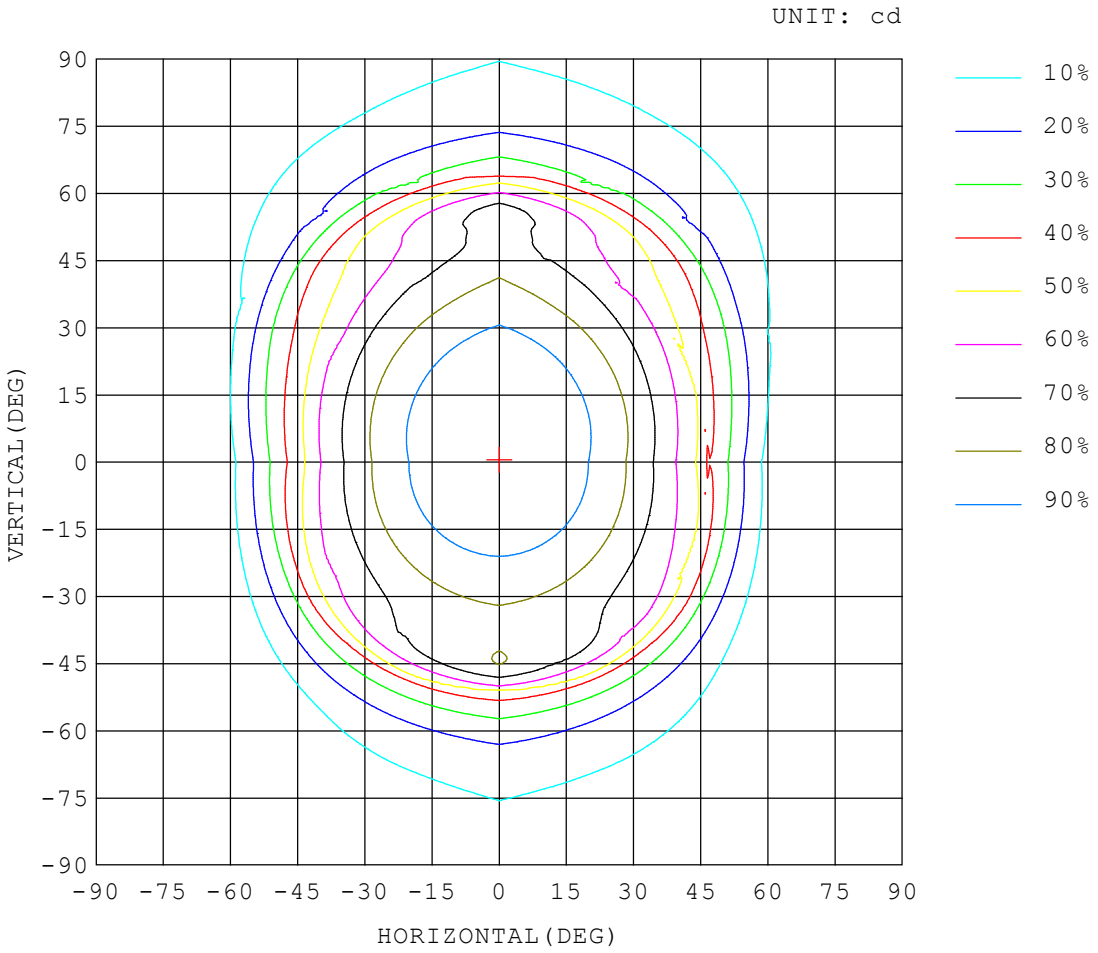
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP54

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



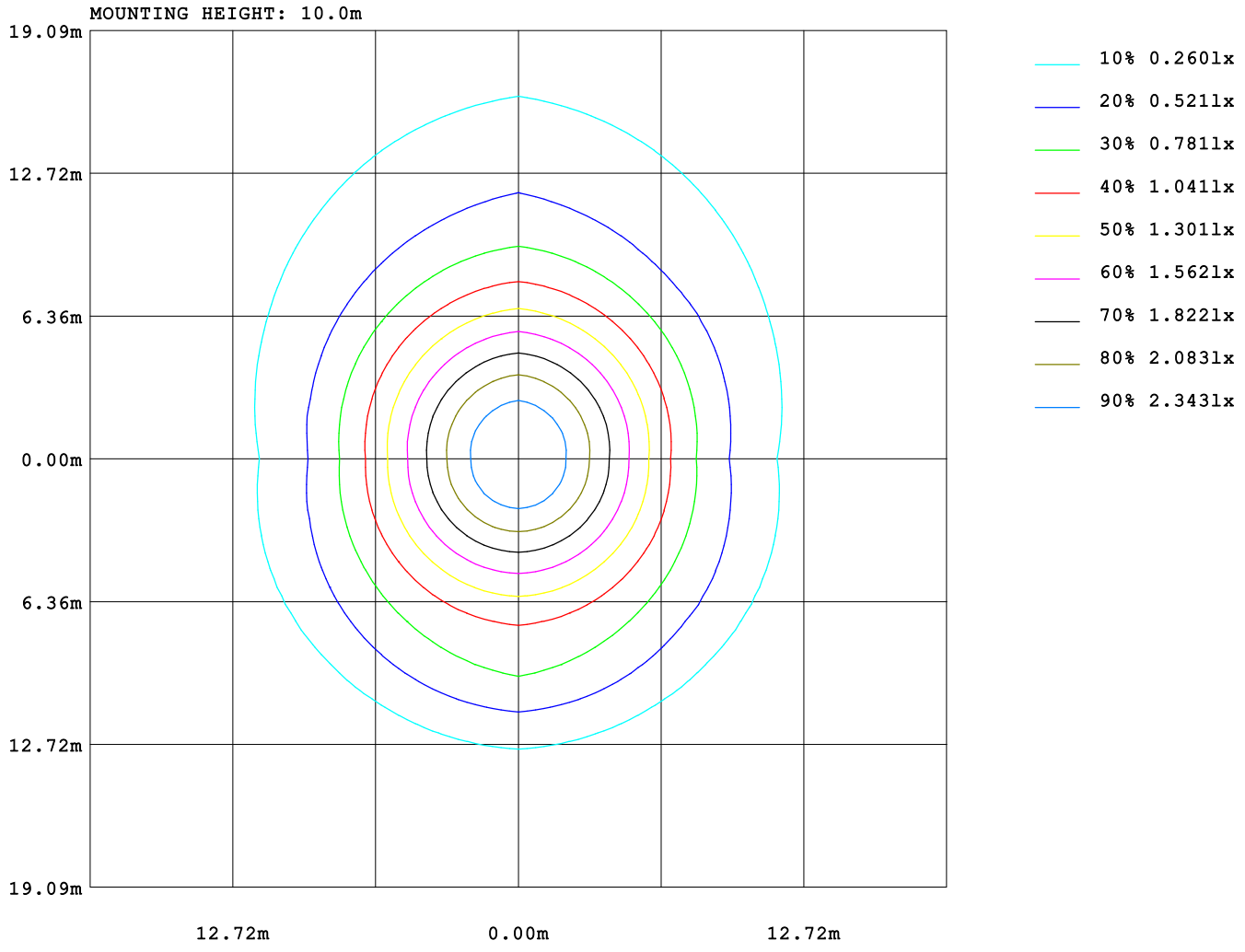
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP54

ISOLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		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/IP54

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		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	0.16	0.26	0.38	0.51	0.64	0.77	0.88	0.88	0.78	0.66	0.54	0.41	0.29	0.18	0.10	0.03	7.54	2.51
70	0.02	0.08	0.17	0.29	0.46	0.67	0.92	1.17	1.39	1.40	1.19	0.95	0.71	0.50	0.33	0.20	0.10	0.03	10.5	7.97
60	0.02	0.08	0.18	0.35	0.64	1.07	1.65	2.33	2.96	2.97	2.36	1.69	1.12	0.68	0.39	0.21	0.10	0.03	18.8	17.3
50	0.02	0.08	0.19	0.44	0.95	1.98	3.37	4.56	5.43	5.43	4.56	3.36	2.01	1.00	0.49	0.23	0.10	0.03	34.2	33.2
40	0.02	0.08	0.21	0.55	1.60	3.08	4.25	5.19	5.88	5.88	5.20	4.25	3.07	1.60	0.61	0.25	0.10	0.03	41.8	41.0
30	0.02	0.07	0.21	0.76	2.15	3.55	4.90	5.96	6.61	6.61	5.94	4.90	3.55	2.14	0.79	0.26	0.10	0.03	48.5	47.8
	0.02	0.07	0.19	0.96	2.43	4.07	5.54	6.65	7.32	7.32	6.65	5.53	4.07	2.42	0.96	0.25	0.10	0.03	54.6	53.9
	0.02	0.06	0.17	1.04	2.62	4.44	5.96	7.10	7.71	7.71	7.09	5.95	4.41	2.63	1.02	0.22	0.09	0.03	58.3	57.7
	0.02	0.05	0.12	0.99	2.67	4.54	6.10	7.23	7.79	7.80	7.23	6.09	4.51	2.67	0.98	0.18	0.08	0.03	59.1	58.6
	0.02	0.04	0.10	0.93	2.67	4.50	6.04	7.16	7.75	7.75	7.16	6.03	4.47	2.66	0.91	0.16	0.08	0.02	58.4	57.9
	0.02	0.05	0.11	0.85	2.59	4.36	5.77	6.84	7.42	7.42	6.83	5.76	4.33	2.59	0.83	0.17	0.08	0.03	56.0	55.5
-30	0.02	0.05	0.12	0.65	2.19	4.06	5.29	6.24	6.77	6.77	6.23	5.27	4.06	2.18	0.64	0.18	0.08	0.03	50.8	50.2
-40	0.02	0.06	0.13	0.42	1.49	3.34	4.89	5.67	6.11	6.11	5.66	4.88	3.35	1.47	0.45	0.18	0.09	0.03	44.3	43.5
-50	0.02	0.06	0.13	0.29	0.84	1.90	3.45	4.90	5.78	5.78	4.91	3.44	1.89	0.84	0.35	0.18	0.09	0.03	34.8	33.6
-60	0.02	0.06	0.13	0.25	0.47	0.93	1.59	2.26	2.78	2.78	2.25	1.59	0.96	0.53	0.30	0.17	0.09	0.03	17.2	15.3
-70	0.02	0.07	0.13	0.22	0.36	0.55	0.80	1.08	1.33	1.33	1.10	0.84	0.60	0.41	0.27	0.17	0.09	0.03	9.38	6.31
-80	0.02	0.07	0.13	0.21	0.31	0.42	0.55	0.67	0.78	0.79	0.69	0.58	0.46	0.35	0.25	0.16	0.09	0.03	6.56	0.93
-90	0.02	0.07	0.13	0.20	0.28	0.37	0.45	0.53	0.60	0.60	0.55	0.48	0.40	0.31	0.23	0.16	0.09	0.03	5.48	0.00
HORIZONTAL(DEG)																				
Φ t	0.33	1.16	2.70	9.65	25.1	44.3	62.2	76.3	85.3	85.3	76.4	62.3	44.5	25.4	10.1	3.49	1.62	0.48	683	
Φ a	0.00	0.00	0.00	6.78	22.7	42.2	60.3	74.8	84.1	84.2	74.9	60.5	42.4	23.0	7.12	0.02	0.00	0.00		594

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

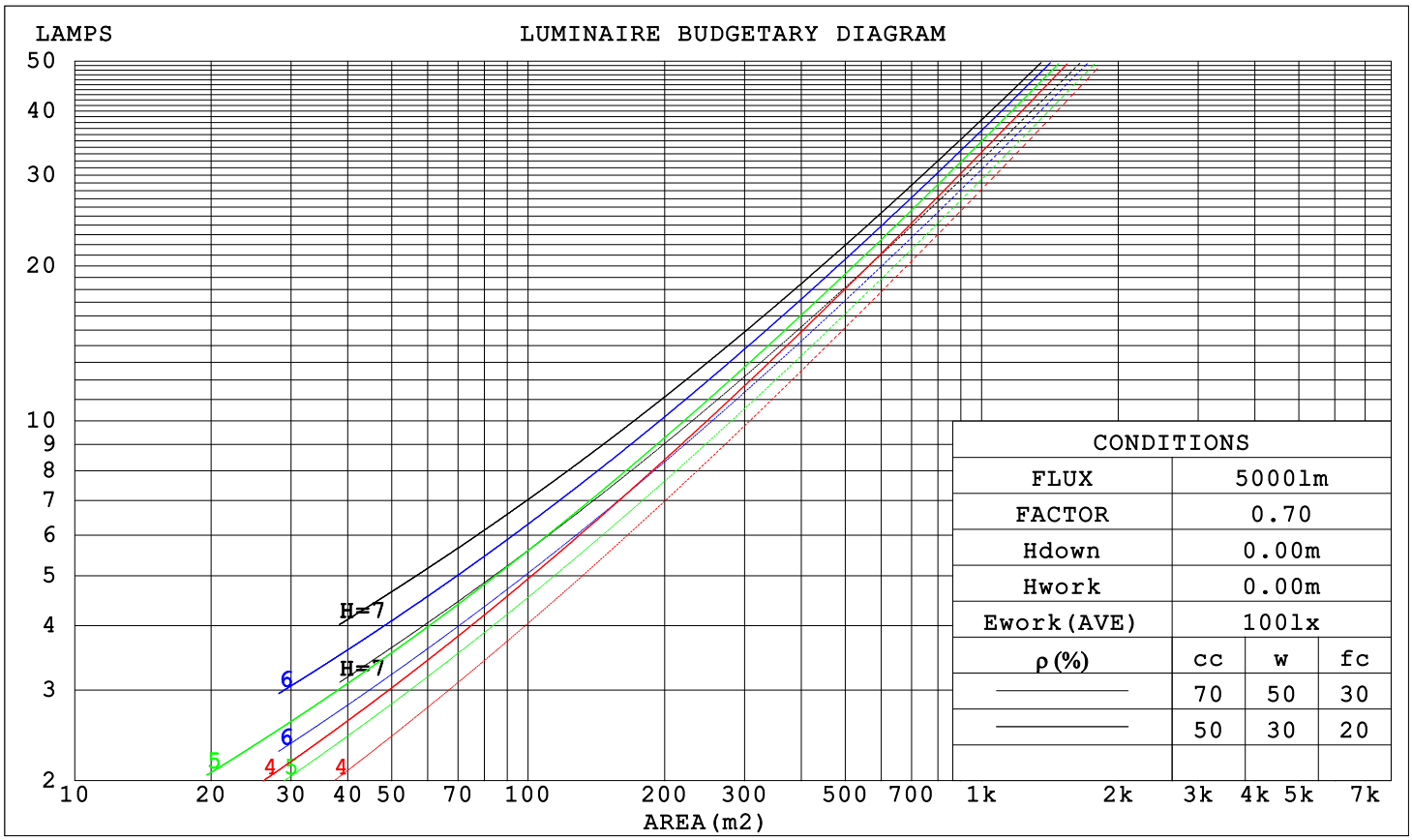
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP54

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		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	1.13	1.13	1.13	1.06	1.06	1.06	.99	.99	.99	.93	.93	.93	.90
1.0	1.03	.99	.95	.99	.96	.92	.93	.90	.88	.88	.85	.83	.83	.81	.79	.76
2.0	.91	.84	.79	.88	.82	.77	.83	.78	.74	.78	.74	.71	.74	.71	.68	.65
3.0	.80	.73	.67	.78	.71	.66	.74	.68	.63	.70	.65	.61	.66	.62	.59	.56
4.0	.72	.64	.57	.70	.62	.56	.66	.60	.55	.63	.57	.53	.59	.55	.51	.49
5.0	.64	.56	.50	.63	.55	.49	.60	.53	.48	.57	.51	.46	.54	.49	.45	.43
6.0	.58	.50	.44	.57	.49	.43	.54	.47	.42	.51	.45	.41	.49	.44	.40	.38
7.0	.53	.45	.39	.52	.44	.38	.49	.42	.37	.47	.41	.36	.45	.40	.36	.34
8.0	.48	.40	.35	.47	.40	.34	.45	.38	.34	.43	.37	.33	.41	.36	.32	.30
9.0	.44	.37	.31	.43	.36	.31	.42	.35	.30	.40	.34	.30	.38	.33	.29	.27
10.0	.41	.33	.28	.40	.33	.28	.38	.32	.28	.37	.31	.27	.35	.30	.26	.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/IP54

WEC AND CCEC

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		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	.288	.164	.052	.278	.159	.050	.259	.149	.048	.242	.140	.045	.226	.131	.042	
2.0	.267	.146	.045	.258	.142	.044	.241	.134	.042	.226	.127	.040	.212	.120	.038	
3.0	.248	.132	.040	.240	.128	.039	.225	.122	.037	.211	.116	.035	.198	.110	.034	
4.0	.230	.120	.035	.223	.117	.034	.209	.111	.033	.197	.106	.032	.185	.101	.031	
5.0	.214	.109	.032	.208	.107	.031	.196	.102	.030	.184	.097	.029	.174	.093	.028	
6.0	.200	.100	.029	.194	.098	.028	.183	.094	.027	.173	.090	.026	.163	.086	.025	
7.0	.187	.093	.026	.182	.091	.026	.172	.087	.025	.162	.083	.024	.153	.080	.023	
8.0	.176	.086	.024	.171	.084	.024	.162	.081	.023	.153	.077	.022	.145	.074	.022	
9.0	.165	.080	.022	.161	.078	.022	.152	.075	.021	.145	.072	.021	.137	.070	.020	
10.0	.156	.075	.021	.152	.073	.020	.144	.071	.020	.137	.068	.019	.130	.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	.267	.267	.267	.228	.228	.228	.156	.156	.156	.090	.090	.090	.029	.029	.029	
1.0	.256	.234	.213	.219	.201	.184	.150	.138	.127	.086	.080	.074	.028	.026	.024	
2.0	.247	.210	.179	.211	.181	.155	.145	.125	.108	.084	.073	.063	.027	.024	.021	
3.0	.239	.192	.156	.204	.166	.135	.140	.115	.095	.081	.067	.056	.026	.022	.018	
4.0	.231	.179	.140	.198	.155	.121	.136	.108	.086	.079	.063	.051	.025	.021	.017	
5.0	.224	.169	.128	.192	.146	.112	.132	.102	.079	.077	.060	.047	.025	.020	.015	
6.0	.217	.161	.120	.186	.139	.105	.129	.097	.074	.075	.057	.044	.024	.019	.015	
7.0	.210	.154	.114	.181	.133	.099	.125	.093	.070	.073	.055	.042	.023	.018	.014	
8.0	.204	.148	.109	.176	.128	.095	.122	.090	.068	.071	.053	.040	.023	.017	.013	
9.0	.199	.143	.106	.171	.124	.092	.119	.087	.066	.069	.052	.039	.022	.017	.013	
10.0	.193	.139	.103	.167	.121	.090	.116	.085	.064	.067	.050	.038	.022	.017	.013	

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/IP54

UGR Table

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		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	19.2	20.5	19.6	20.9	21.3	21.5	22.8	21.9	23.1	23.5
3H	19.2	20.4	19.6	20.8	21.2	22.0	23.2	22.4	23.6	24.0
4H	19.3	20.4	19.7	20.8	21.3	22.3	23.5	22.8	23.9	24.3
6H	19.5	20.5	20.0	21.0	21.5	22.9	23.9	23.3	24.4	24.8
8H	19.7	20.7	20.2	21.1	21.6	23.2	24.2	23.7	24.7	25.2
12H	20.0	20.9	20.5	21.4	21.9	23.7	24.7	24.2	25.2	25.7
4H 2H	19.3	20.5	19.8	20.9	21.3	21.4	22.5	21.8	22.9	23.4
3H	19.5	20.5	20.0	20.9	21.5	22.1	23.0	22.5	23.5	24.0
4H	19.7	20.6	20.3	21.1	21.6	22.6	23.4	23.1	23.9	24.5
6H	20.1	20.9	20.7	21.4	22.0	23.3	24.1	23.9	24.6	25.2
8H	20.5	21.2	21.0	21.7	22.3	23.9	24.6	24.4	25.1	25.7
12H	20.9	21.6	21.5	22.2	22.8	24.6	25.2	25.2	25.8	26.4
8H 4H	20.0	20.7	20.6	21.3	21.9	22.6	23.3	23.2	23.9	24.4
6H	20.7	21.3	21.3	21.9	22.5	23.6	24.2	24.2	24.8	25.4
8H	21.3	21.8	21.9	22.4	23.0	24.3	24.9	24.9	25.4	26.1
12H	22.0	22.4	22.6	23.1	23.7	25.3	25.8	25.9	26.4	27.1
12H 4H	20.1	20.8	20.7	21.3	22.0	22.6	23.2	23.2	23.8	24.4
6H	21.0	21.5	21.6	22.1	22.8	23.7	24.2	24.3	24.8	25.4
8H	21.6	22.1	22.3	22.7	23.4	24.5	24.9	25.1	25.5	26.2

Variations with the observer position at spacings:		
S = 1.0H	+ 0.8 / - 0.9	+ 0.4 / - 0.4
1.5H	+ 0.4 / - 0.7	+ 0.8 / - 0.5
2.0H	+ 1.7 / - 1.6	+ 1.7 / - 0.9

CIE Pub.117 Corrected 682.9 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.3)

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-9.6W/IP54

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		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	40	56	46	40	55	45	39	33
0.80	68	56	50	66	56	49	64	55	48	42
1.00	76	65	58	74	65	58	71	65	57	50
1.25	83	73	66	81	72	65	77	70	64	56
1.50	88	78	71	85	77	71	81	74	69	61
2.00	94	86	79	91	84	78	87	81	76	67
2.50	97	90	84	95	88	83	90	84	80	70
3.00	100	94	88	98	91	87	92	87	83	73
4.00	104	98	94	101	96	92	95	91	88	76
5.00	106	101	97	103	99	95	97	93	90	78
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

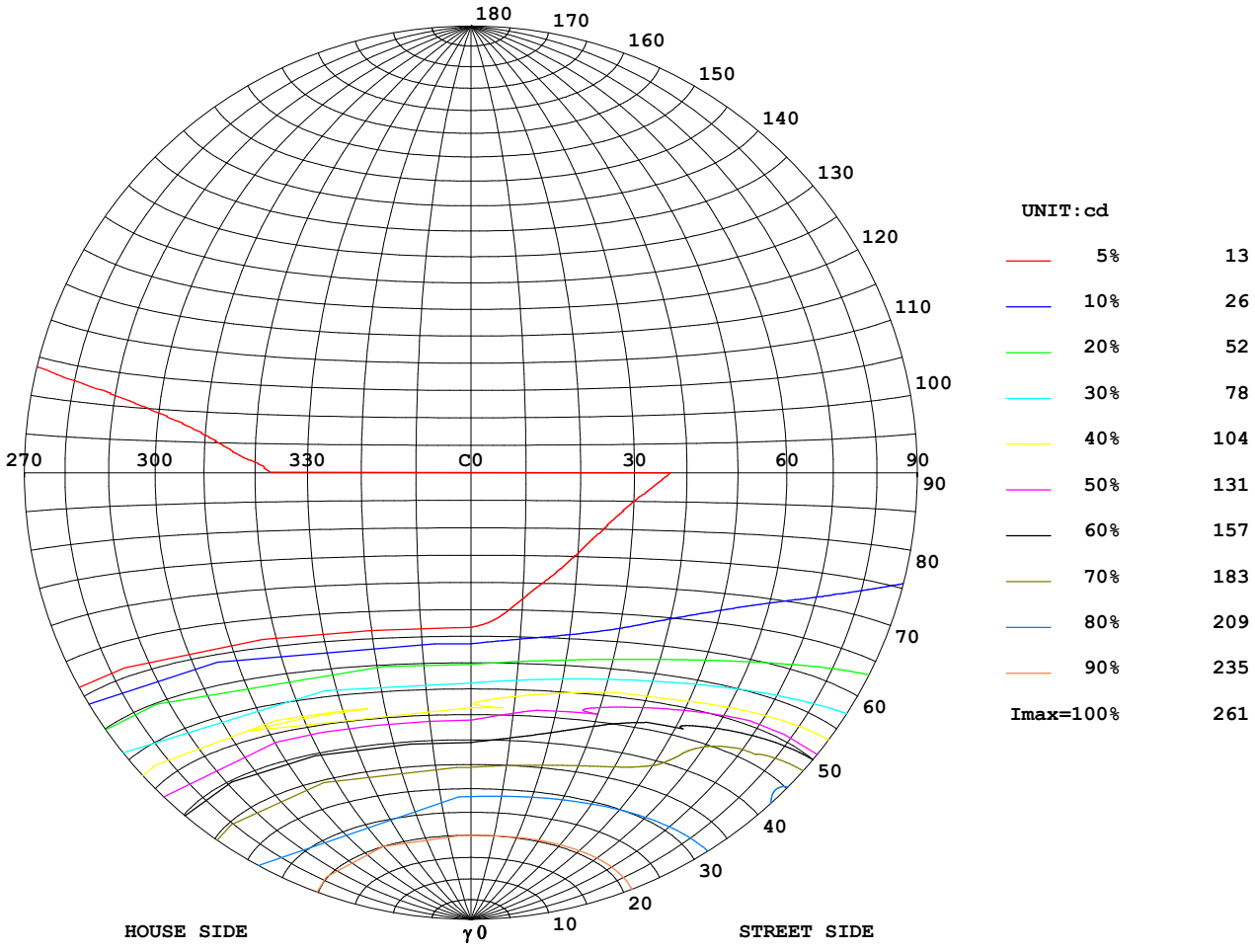
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP54

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



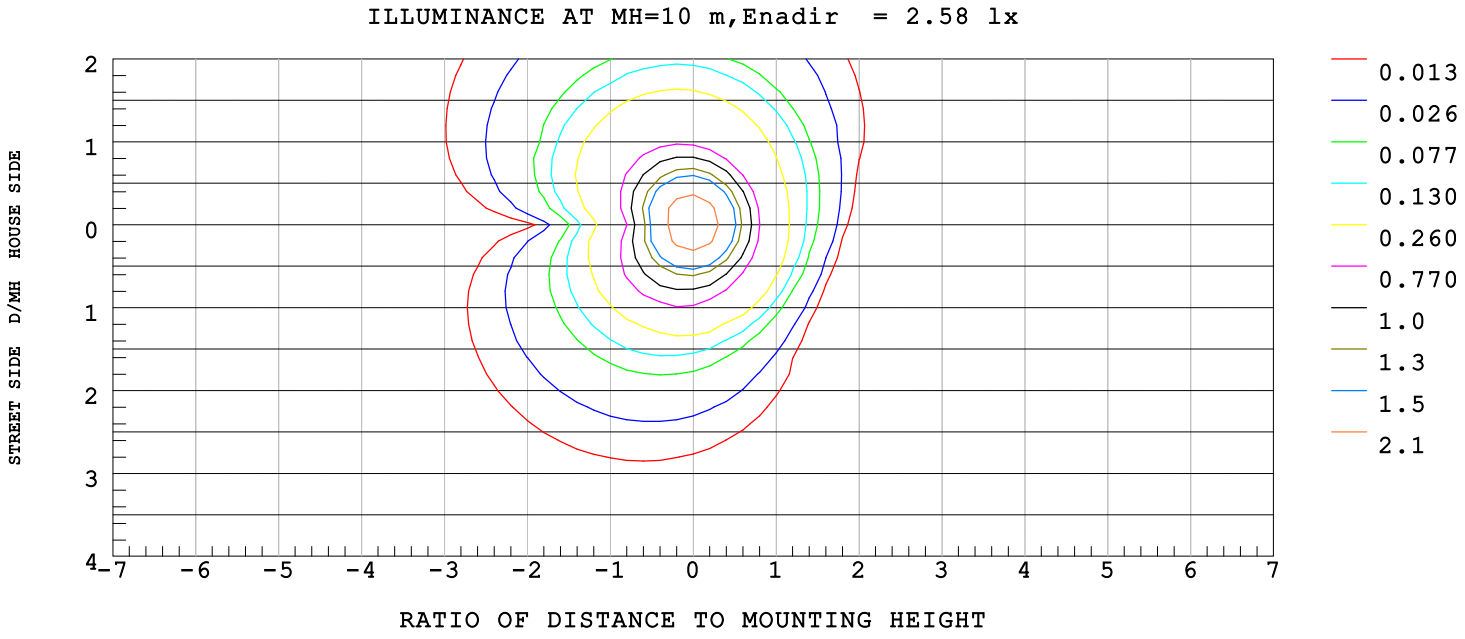
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

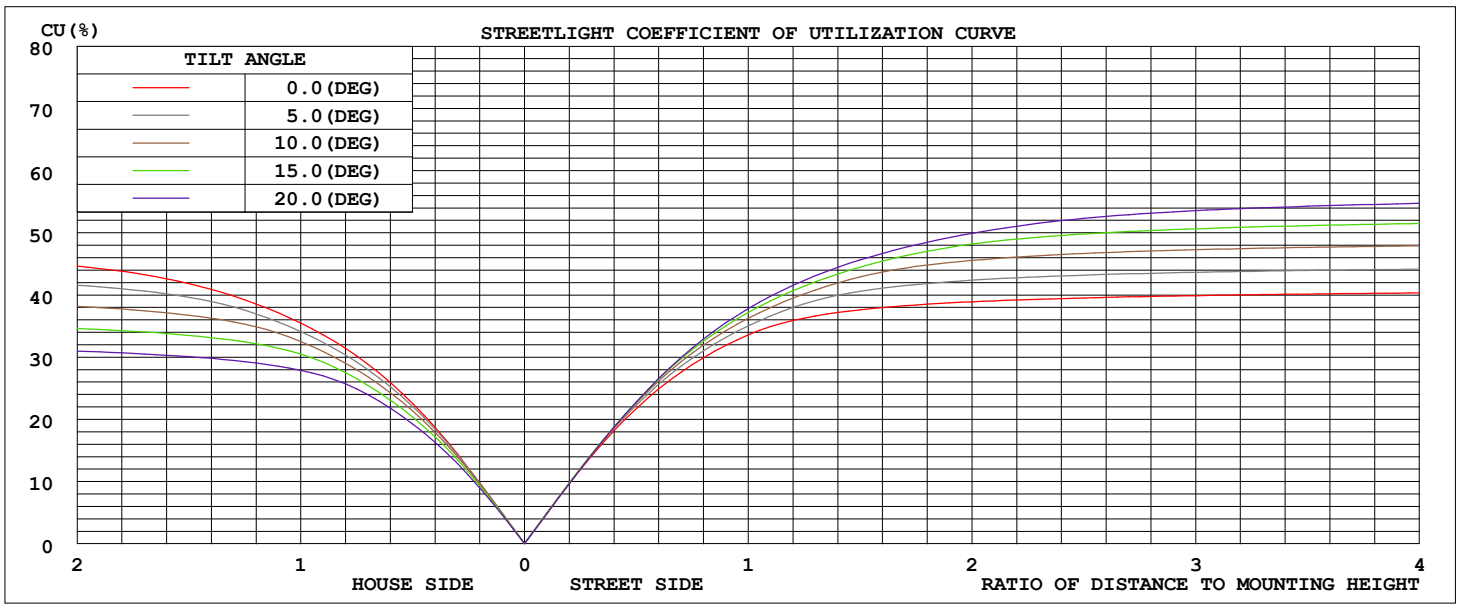
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP54

ISOLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:





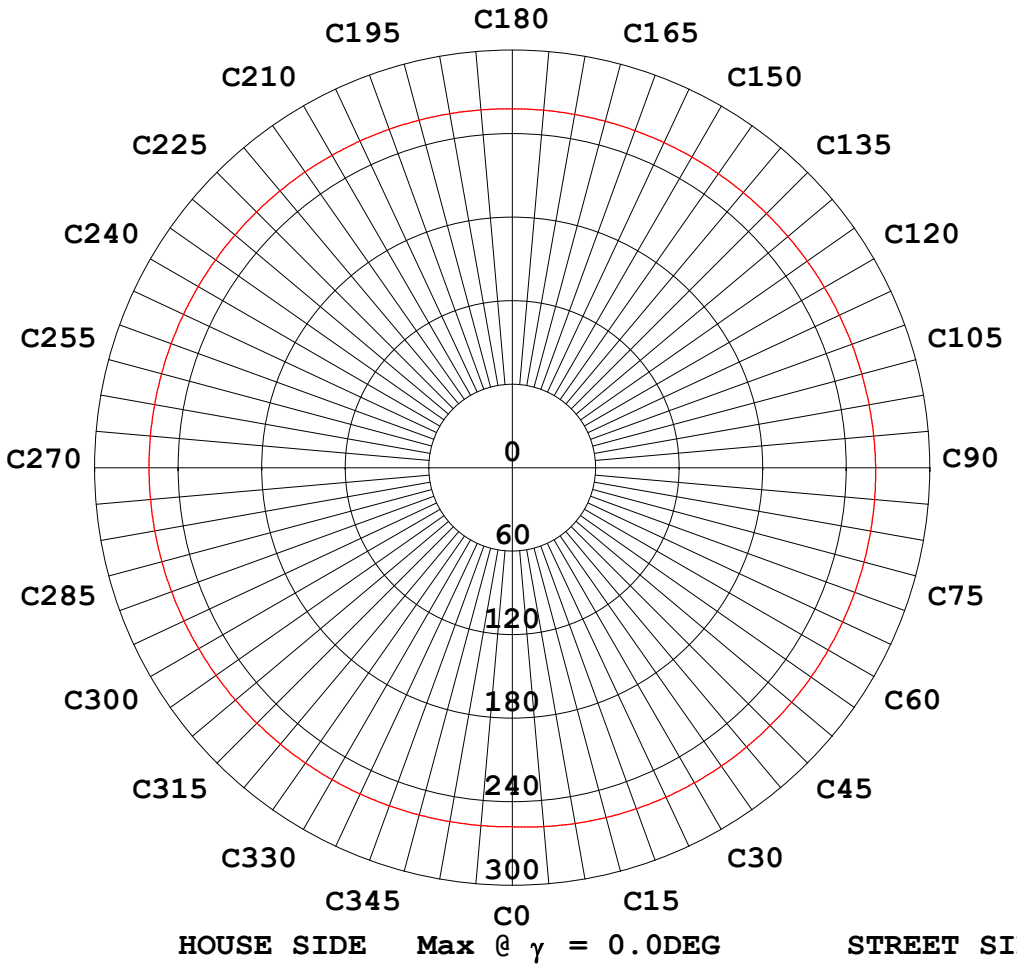
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP54

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		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/IP54

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG) \ C(DEG)	0	90	180	270
0.0	258	261	258	261
5.0	257	259	257	261
10.0	253	255	253	260
15.0	246	248	246	258
20.0	235	238	236	255
25.0	221	226	221	247
30.0	203	214	203	237
35.0	180	203	181	224
40.0	154	203	156	212
45.0	124	210	120	200
50.0	86.7	158	86.7	194
55.0	50.5	92.2	51.7	197
60.0	19.1	66.3	19.8	160
65.0	10.1	45.6	4.09	98.6
70.0	9.45	33.2	4.78	68.6
75.0	9.33	26.7	5.27	47.6
80.0	9.25	23.1	5.59	36.1
85.0	9.33	20.5	6.04	30.1
90.0	9.29	18.5	6.45	25.7
95.0	9.37	16.3	6.85	22.1
100.0	9.57	14.6	7.22	18.8
105.0	9.77	12.5	7.75	15.8
110.0	9.98	9.37	8.15	13.4
115.0	10.1	8.35	8.56	11.7
120.0	10.1	7.66	8.92	10.7
125.0	10.2	8.43	9.21	8.43
130.0	10.2	8.23	10.2	8.23
135.0	10.1	8.43	10.1	8.43
140.0	10.1	8.56	10.1	8.56
145.0	10.1	8.48	10.1	8.48
150.0	10.1	8.39	10.1	8.39
155.0	10.1	8.35	10.1	8.35
160.0	10.0	8.31	10.0	8.31
165.0	10.0	8.23	10.0	8.23
170.0	10.0	8.19	10.0	8.19
175.0	10.0	8.15	10.0	8.15
180.0	10.0	8.11	10.0	8.11

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/IP54