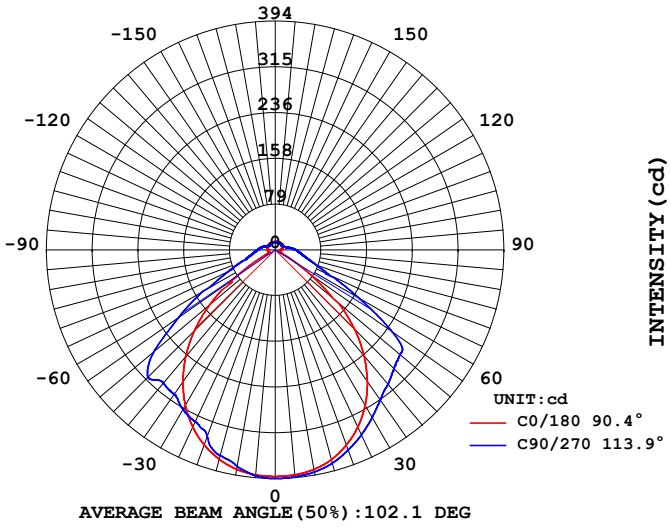
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

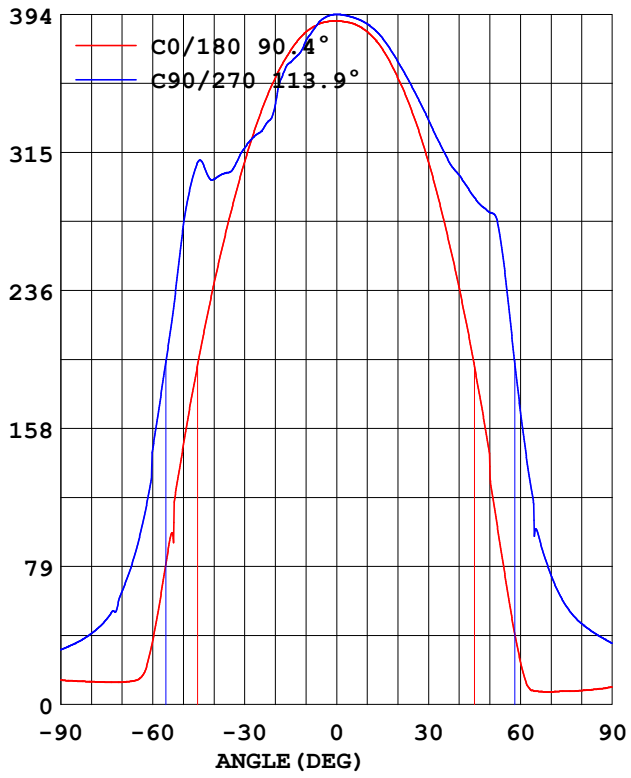
DATA OF LAMP		Imax(cd)	394.1	S/MH(C0/180)	1.19
MODEL	24V-480D-2700K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.21
NOMINAL POWER(W)	14	TOTAL FLUX(lm)	1023.6	Voltage(V)	23.90
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	78.1	Current(A)	0.548
NOMINAL FLUX(lm)	1023.6	η up(%)	10.2	Power(W)	13.10
LAMPS QUANTITY	1	η down(%)	89.8	Power Factor(PF)	1.000
TEST VOLTAGE(V)	23.9	Effictive Flux(lm)	890.8	EEI	0.187

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):102.1 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-14.4W/IP54

Color Temperature Data List

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

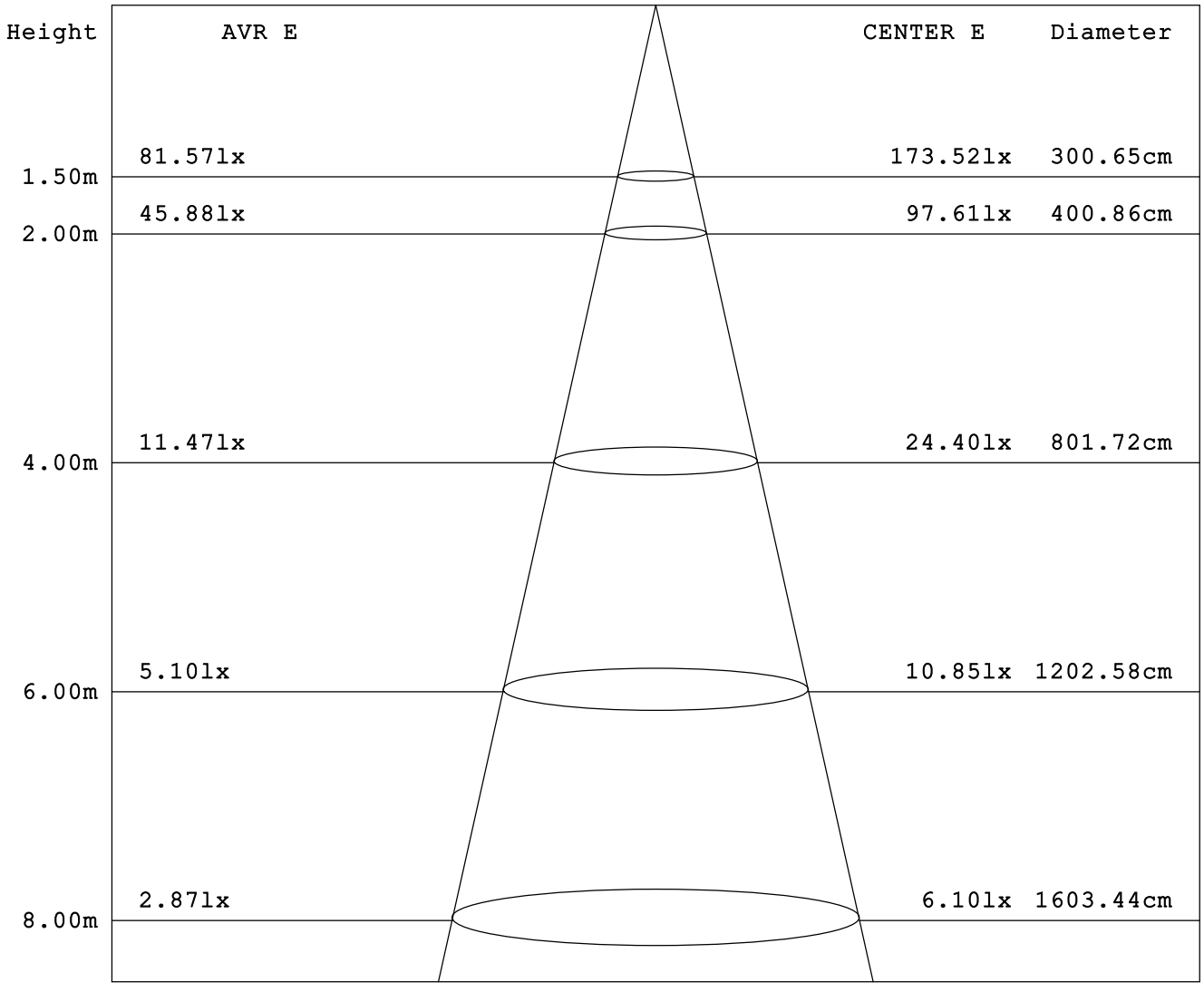
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-14.4W/IP54

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



Angle:90.1deg

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-14.4W/IP54

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

γ	C0	C90	C180	C270					γ	zone	total
5.0	389.2	390.9	389.1	392.6					0- 5	8.987	8.987
10.0	384.3	379.5	384.5	388.9					5- 10	26.62	35.60
15.0	374.2	367.1	375.0	381.2					10- 15	43.21	78.81
20.0	359.2	345.5	359.4	368.4					15- 20	58.15	136.9
25.0	338.9	327.4	339.2	353.2					20- 25	70.24	207.2
30.0	313.2	319.1	313.4	336.2					25- 30	80.41	287.6
35.0	282.2	304.6	281.8	318.3					30- 35	87.48	375.1
40.0	246.5	300.8	244.8	304.1					35- 40	91.67	466.7
45.0	205.2	310.3	202.0	291.6					40- 45	93.76	560.5
50.0	158.1	284.3	153.0	282.4					45- 50	92.35	652.9
55.0	97.54	216.7	85.73	260.9					50- 55	81.22	734.1
60.0	47.23	159.1	34.69	185.3					55- 60	60.73	794.8
65.0	15.66	99.98	8.074	121.6					60- 65	37.94	832.8
70.0	12.98	70.80	7.100	80.78					65- 70	24.71	857.5
75.0	12.74	52.38	7.547	60.45					70- 75	18.99	876.5
80.0	12.94	42.72	7.750	48.69					75- 80	15.82	892.3
85.0	13.22	36.72	8.480	41.83					80- 85	14.02	906.3
90.0	13.67	32.58	9.494	36.64					85- 90	12.87	919.2
95.0	14.20	29.45	10.54	31.60					90- 95	11.97	931.2
100.0	14.44	26.37	11.23	25.92					95-100	10.97	942.2
105.0	14.68	23.57	11.84	20.73					100-105	9.826	952.0
110.0	14.89	20.53	12.53	16.71					105-110	8.750	960.7
115.0	14.89	16.06	13.14	15.37					110-115	7.808	968.5
120.0	14.93	14.60	13.75	14.76					115-120	7.152	975.7
125.0	14.97	13.67	14.32	13.30					120-125	6.631	982.3
130.0	14.85	13.55	14.64	13.55					125-130	6.193	988.5
135.0	14.76	13.99	14.76	13.99					130-135	5.890	994.4
140.0	14.72	13.99	14.72	13.99					135-140	5.490	999.9
145.0	14.68	13.91	14.68	13.91					140-145	4.987	1005
150.0	14.64	13.87	14.64	13.87					145-150	4.450	1009
155.0	14.60	13.79	14.60	13.79					150-155	3.886	1013
160.0	14.56	13.75	14.56	13.75					155-160	3.298	1017
165.0	14.56	13.67	14.56	13.67					160-165	2.692	1019
170.0	14.52	13.63	14.52	13.63					165-170	2.069	1021
175.0	14.48	13.59	14.48	13.59					170-175	1.435	1023
180.0	14.44	13.55	14.44	13.55					175-180	0.795	1024
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-14.4W/IP54

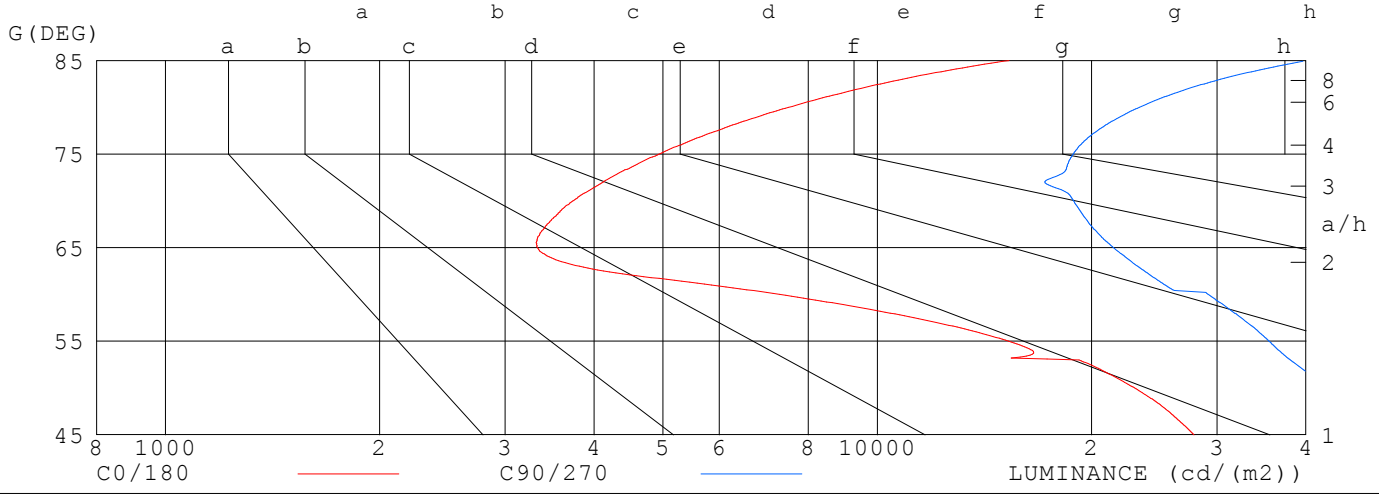
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		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	15317	40411
80	7501	23414
75	4938	18923
70	3737	18994
65	3351	21622
60	7458	29378
55	15465	35711
50	23136	42686
45	27975	43922

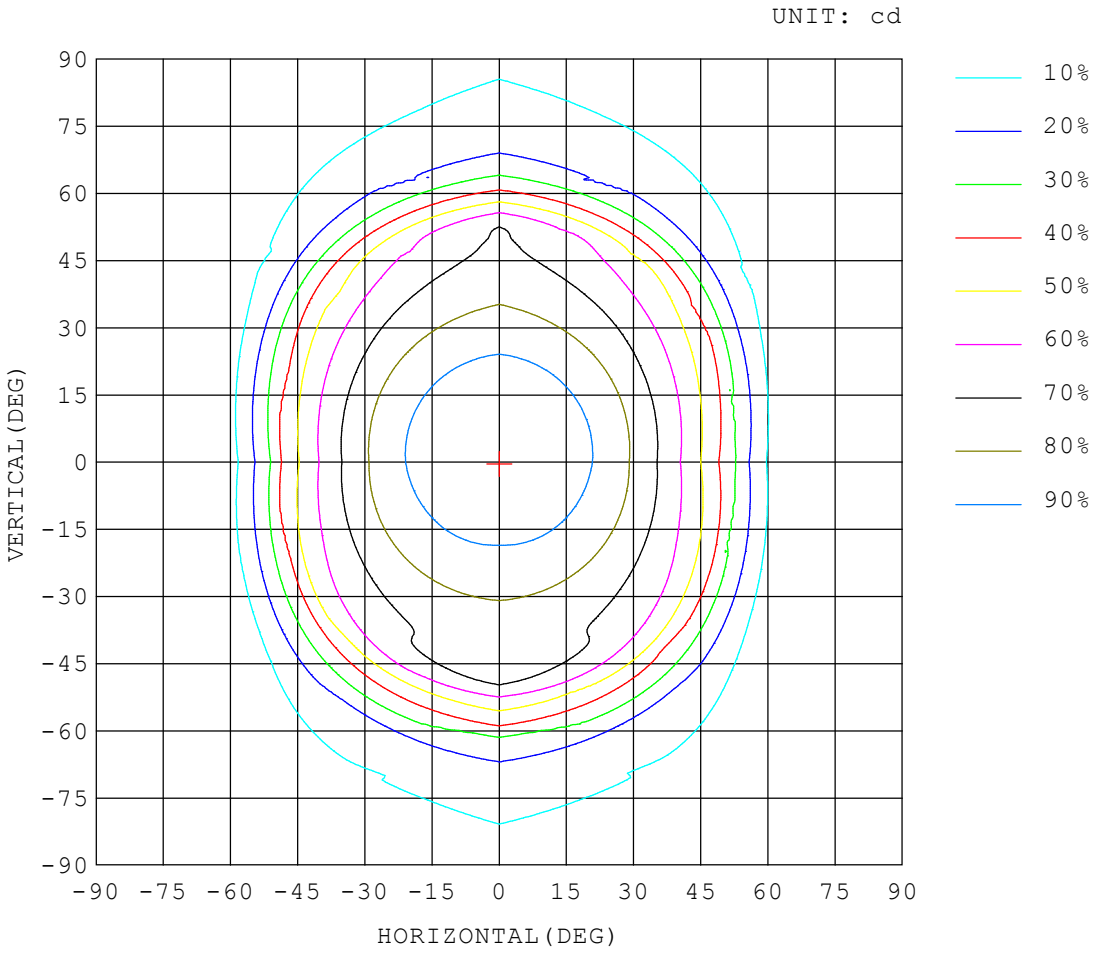
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-14.4W/IP54

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



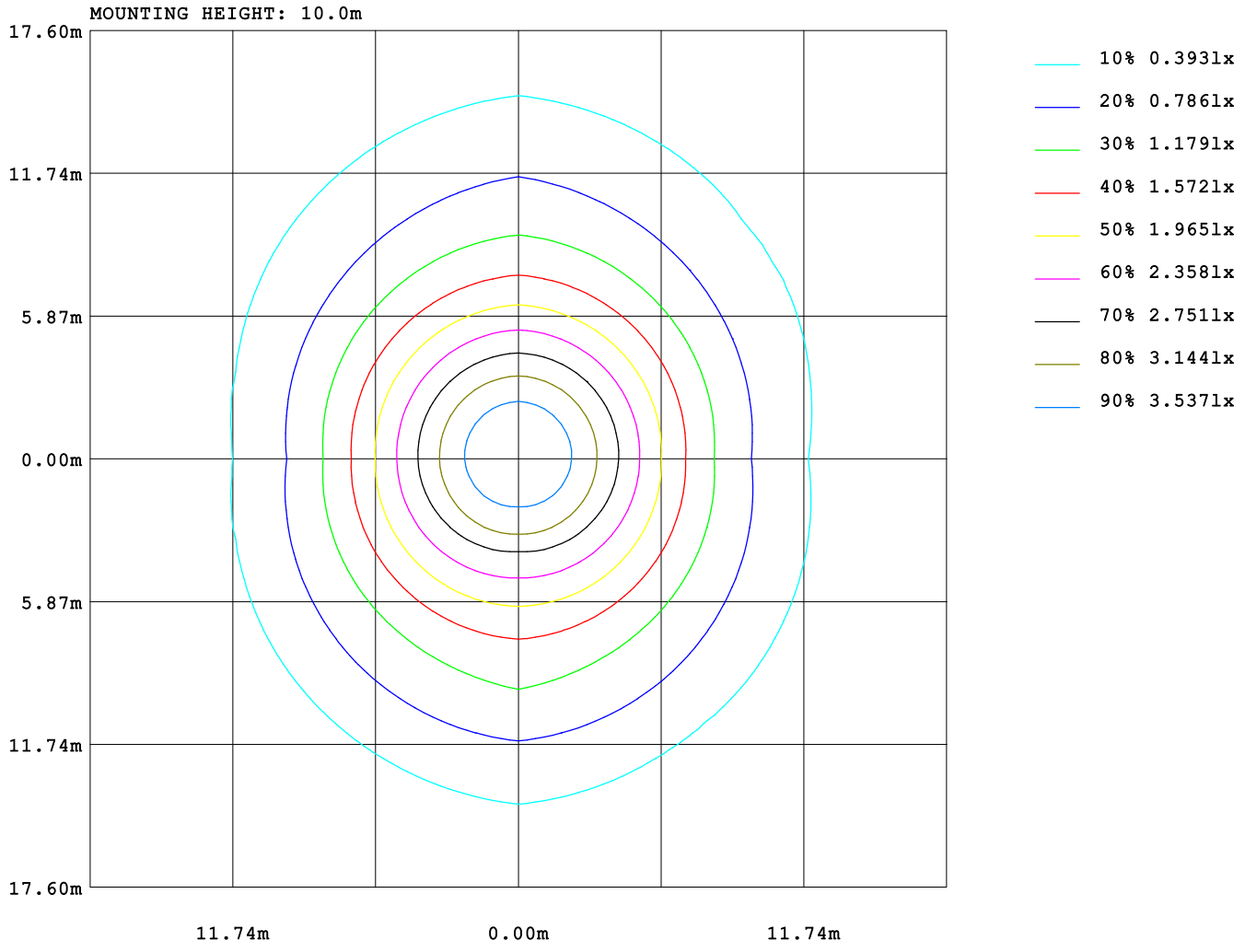
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-14.4W/IP54

ISOLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		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-14.4W/IP54

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		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	0.03	0.11	0.22	0.36	0.51	0.68	0.86	1.02	1.16	1.17	1.04	0.89	0.73	0.56	0.40	0.26	0.14	0.04	10.1	1.14
70	0.03	0.11	0.23	0.38	0.59	0.83	1.11	1.39	1.64	1.65	1.42	1.15	0.89	0.64	0.44	0.27	0.14	0.04	12.9	7.63
60	0.03	0.11	0.23	0.43	0.74	1.18	1.78	2.50	3.12	3.13	2.53	1.83	1.24	0.80	0.49	0.28	0.14	0.04	20.6	17.5
50	0.03	0.11	0.24	0.50	1.03	2.15	3.84	5.56	6.83	6.86	5.63	3.95	2.26	1.11	0.57	0.29	0.14	0.04	41.1	39.1
40	0.03	0.10	0.25	0.61	1.81	4.05	6.18	7.63	8.54	8.55	7.67	6.28	4.22	1.96	0.70	0.30	0.14	0.04	59.0	57.4
30	0.03	0.10	0.25	0.86	2.89	5.36	7.25	8.62	9.42	9.43	8.63	7.28	5.46	3.10	0.98	0.31	0.13	0.04	70.1	68.9
	0.03	0.09	0.23	1.18	3.67	6.13	8.15	9.67	10.5	10.5	9.67	8.16	6.17	3.83	1.36	0.30	0.13	0.04	79.8	78.8
	0.02	0.08	0.21	1.41	4.09	6.66	8.88	10.5	11.3	11.3	10.5	8.88	6.69	4.21	1.61	0.29	0.12	0.04	87.0	86.2
	0.02	0.07	0.16	1.41	4.22	6.90	9.24	10.9	11.7	11.7	10.9	9.23	6.92	4.29	1.66	0.26	0.11	0.04	89.9	89.2
	0.02	0.06	0.16	1.39	4.23	6.88	9.16	10.8	11.6	11.6	10.8	9.16	6.90	4.31	1.63	0.25	0.11	0.04	89.3	88.6
	0.02	0.08	0.19	1.33	4.12	6.63	8.72	10.1	11.0	11.0	10.1	8.71	6.66	4.23	1.54	0.27	0.11	0.04	85.0	84.2
-30	0.03	0.08	0.21	1.08	3.60	6.19	8.01	9.33	9.91	9.91	9.32	8.02	6.23	3.77	1.25	0.28	0.12	0.04	77.4	76.4
-40	0.03	0.09	0.23	0.76	2.64	5.39	7.36	8.50	9.16	9.16	8.51	7.39	5.50	2.85	0.88	0.29	0.13	0.04	68.9	67.6
-50	0.03	0.10	0.22	0.54	1.57	3.61	5.95	7.77	8.81	8.82	7.81	6.06	3.78	1.72	0.62	0.28	0.13	0.04	57.9	56.2
-60	0.03	0.10	0.22	0.45	0.91	1.83	3.26	4.74	5.88	5.92	4.82	3.37	1.94	0.98	0.51	0.27	0.13	0.04	35.4	33.1
-70	0.03	0.10	0.21	0.38	0.64	1.03	1.55	2.13	2.64	2.66	2.17	1.60	1.09	0.70	0.44	0.26	0.13	0.04	17.8	14.2
-80	0.03	0.10	0.21	0.35	0.52	0.74	0.97	1.21	1.42	1.43	1.23	1.01	0.79	0.58	0.40	0.25	0.13	0.04	11.4	4.79
-90	0.03	0.11	0.21	0.33	0.46	0.61	0.76	0.91	1.02	1.03	0.93	0.80	0.66	0.51	0.37	0.25	0.13	0.04	9.16	0.04
HORIZONTAL(DEG)																				
Φ t	0.49	1.68	3.88	13.7	38.2	66.9	93.1	113	126	126	114	93.8	68.1	40.2	15.8	4.96	2.31	0.70	1024	
Φ a	0.00	0.00	0.00	8.73	34.4	63.6	90.1	111	124	124	112	91.0	64.9	36.4	11.0	0.00	0.00	0.00		891

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

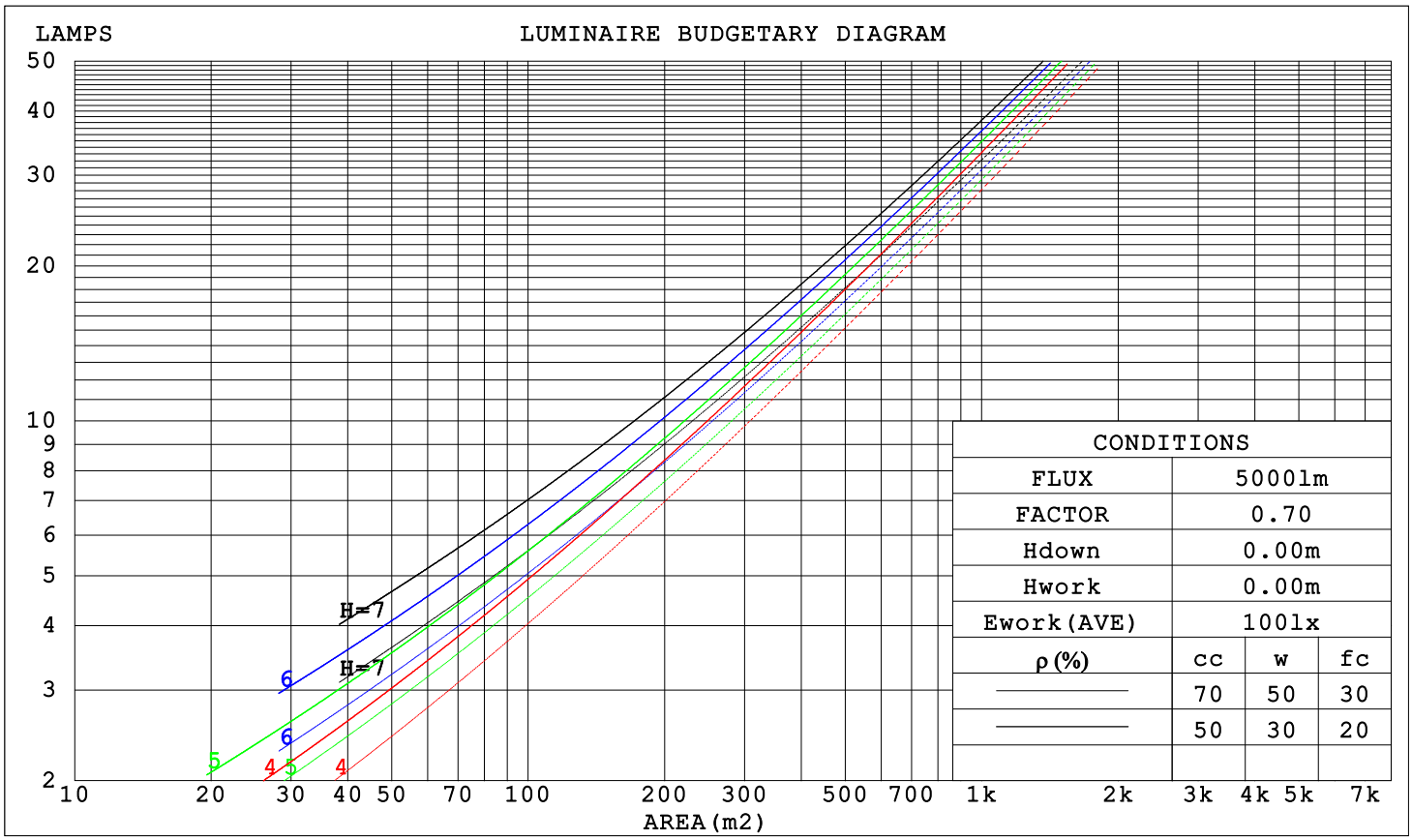
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-14.4W/IP54

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		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	1.05	1.05	1.05	.99	.99	.99	.93	.93	.93	.90
1.0	1.03	.99	.95	.99	.96	.93	.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	.81	.73	.67	.78	.71	.66	.74	.68	.63	.70	.65	.61	.66	.62	.59	.56
4.0	.72	.64	.57	.70	.62	.57	.66	.60	.55	.63	.57	.53	.59	.55	.51	.49
5.0	.65	.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	.46	.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-14.4W/IP54

WEC AND CCEC

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		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	.286	.163	.052	.276	.157	.050	.257	.147	.047	.240	.138	.044	.224	.130	.042	
2.0	.266	.146	.045	.257	.141	.044	.240	.133	.041	.224	.126	.039	.210	.119	.037	
3.0	.247	.131	.039	.239	.128	.038	.224	.121	.037	.210	.115	.035	.197	.109	.034	
4.0	.229	.119	.035	.222	.116	.034	.209	.111	.033	.196	.105	.032	.184	.100	.031	
5.0	.214	.109	.032	.207	.106	.031	.195	.102	.030	.184	.097	.029	.173	.092	.028	
6.0	.200	.100	.029	.194	.098	.028	.183	.094	.027	.172	.090	.026	.163	.086	.025	
7.0	.187	.092	.026	.182	.090	.026	.172	.087	.025	.162	.083	.024	.153	.080	.023	
8.0	.176	.086	.024	.171	.084	.024	.161	.081	.023	.153	.077	.022	.145	.074	.022	
9.0	.165	.080	.022	.161	.078	.022	.152	.075	.021	.144	.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	.268	.268	.268	.229	.229	.229	.156	.156	.156	.090	.090	.090	.029	.029	.029	
1.0	.257	.235	.215	.220	.201	.185	.150	.139	.128	.087	.080	.074	.028	.026	.024	
2.0	.248	.211	.180	.212	.181	.156	.145	.126	.109	.084	.073	.064	.027	.024	.021	
3.0	.239	.193	.157	.205	.167	.136	.141	.116	.095	.081	.068	.056	.026	.022	.018	
4.0	.232	.180	.141	.199	.156	.122	.137	.108	.086	.079	.064	.051	.025	.021	.017	
5.0	.224	.170	.129	.193	.147	.113	.133	.103	.080	.077	.060	.047	.025	.020	.016	
6.0	.218	.162	.121	.187	.140	.106	.129	.098	.075	.075	.058	.044	.024	.019	.015	
7.0	.211	.155	.115	.182	.134	.100	.126	.094	.071	.073	.055	.042	.024	.018	.014	
8.0	.205	.149	.110	.177	.129	.096	.122	.091	.068	.071	.054	.041	.023	.018	.013	
9.0	.200	.144	.107	.172	.125	.093	.119	.088	.066	.069	.052	.039	.022	.017	.013	
10.0	.194	.140	.104	.167	.122	.091	.116	.086	.064	.068	.051	.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-14.4W/IP54

UGR Table

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		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	21.6	22.9	22.0	23.2	23.6	24.3	25.6	24.7	26.0	26.3
3H	21.5	22.7	22.0	23.1	23.5	24.9	26.1	25.3	26.5	26.9
4H	21.5	22.7	22.0	23.1	23.5	25.2	26.3	25.7	26.8	27.2
6H	21.7	22.7	22.1	23.2	23.6	25.7	26.7	26.2	27.2	27.6
8H	21.8	22.8	22.3	23.2	23.7	26.0	27.0	26.5	27.5	28.0
12H	22.0	23.0	22.5	23.4	23.9	26.5	27.4	26.9	27.9	28.4
4H 2H	21.8	23.0	22.3	23.4	23.8	24.2	25.3	24.7	25.8	26.2
3H	22.0	22.9	22.5	23.4	23.9	25.0	25.9	25.5	26.4	26.9
4H	22.1	23.0	22.6	23.5	24.0	25.4	26.3	26.0	26.8	27.3
6H	22.4	23.2	22.9	23.7	24.3	26.1	26.9	26.7	27.4	28.0
8H	22.6	23.4	23.2	23.9	24.5	26.6	27.3	27.2	27.9	28.4
12H	23.0	23.7	23.6	24.2	24.8	27.2	27.9	27.8	28.4	29.1
8H 4H	22.4	23.1	23.0	23.7	24.2	25.4	26.2	26.0	26.7	27.3
6H	23.0	23.5	23.5	24.1	24.8	26.3	26.9	26.9	27.5	28.1
8H	23.4	23.9	24.0	24.5	25.2	27.0	27.5	27.6	28.1	28.8
12H	24.0	24.4	24.6	25.0	25.7	27.9	28.3	28.5	28.9	29.6
12H 4H	22.5	23.2	23.1	23.7	24.3	25.4	26.1	26.0	26.6	27.2
6H	23.2	23.7	23.8	24.3	25.0	26.4	26.9	27.0	27.5	28.1
8H	23.7	24.2	24.4	24.8	25.5	27.1	27.6	27.7	28.2	28.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.9					+ 0.2 / - 0.2				
1.5H	+ 0.6 / - 0.6					+ 0.4 / - 0.6				
2.0H	+ 1.3 / - 1.9					+ 1.1 / - 1.1				

CIE Pub.117 Corrected 1024 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.1)

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-14.4W/IP54

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		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	56	49	64	54	48	41
1.00	76	65	58	74	64	58	71	65	57	50
1.25	83	73	66	81	72	65	77	70	64	56
1.50	88	78	72	85	77	71	82	74	69	61
2.00	94	86	80	92	84	78	87	81	76	67
2.50	97	90	84	95	88	83	90	84	80	70
3.00	101	94	88	98	92	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	

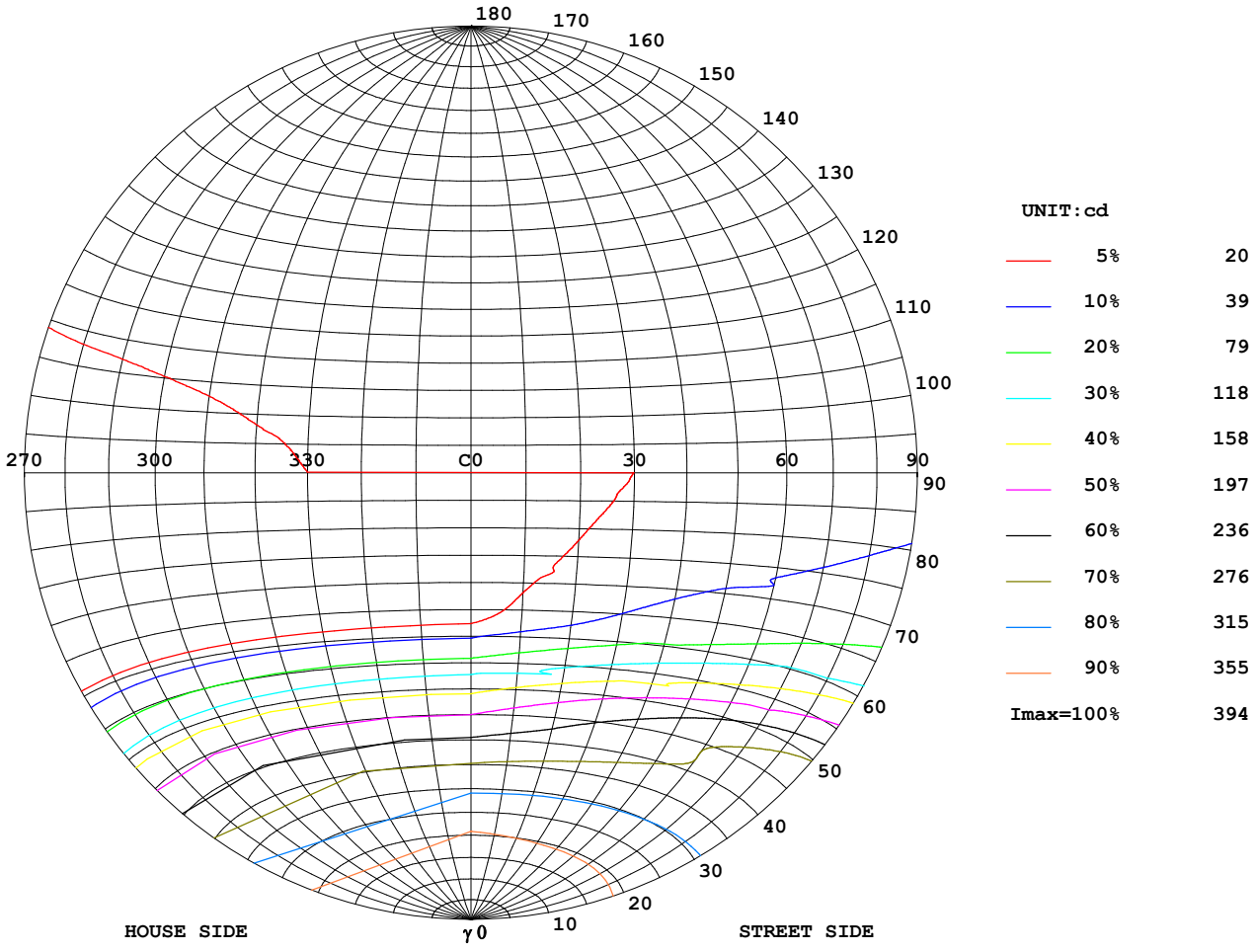
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-14.4W/IP54

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



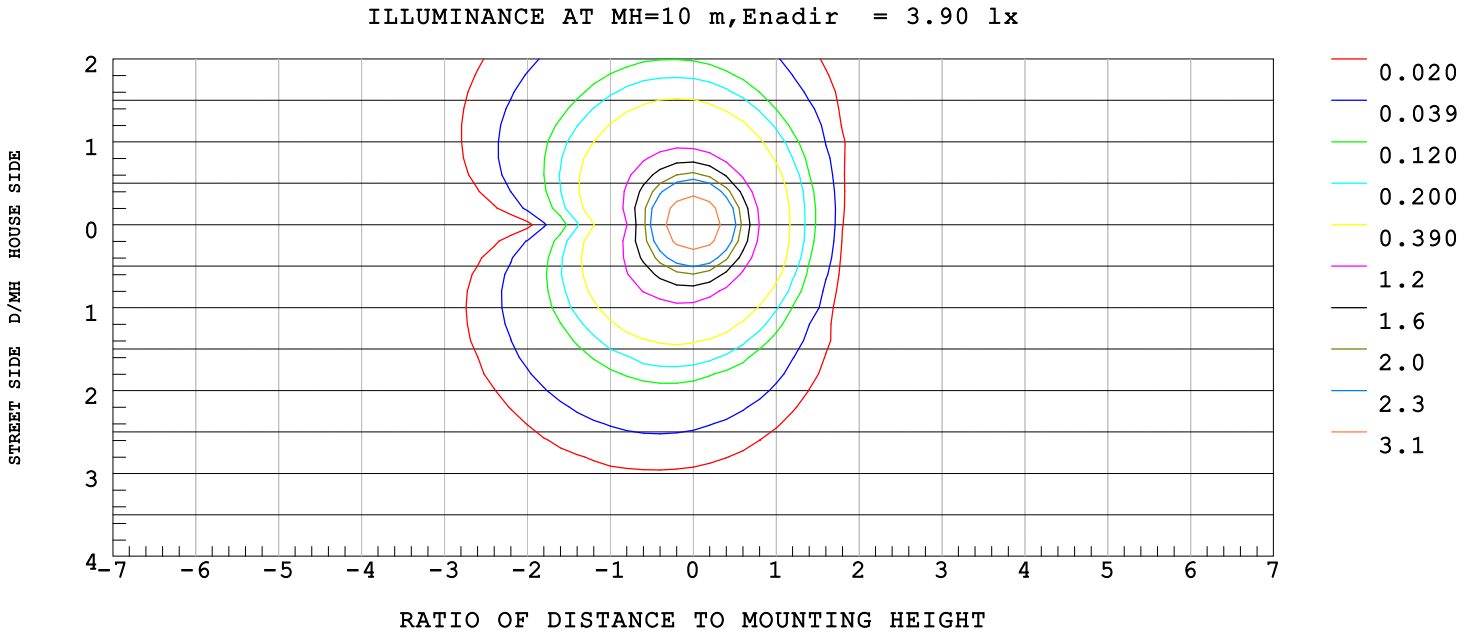
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

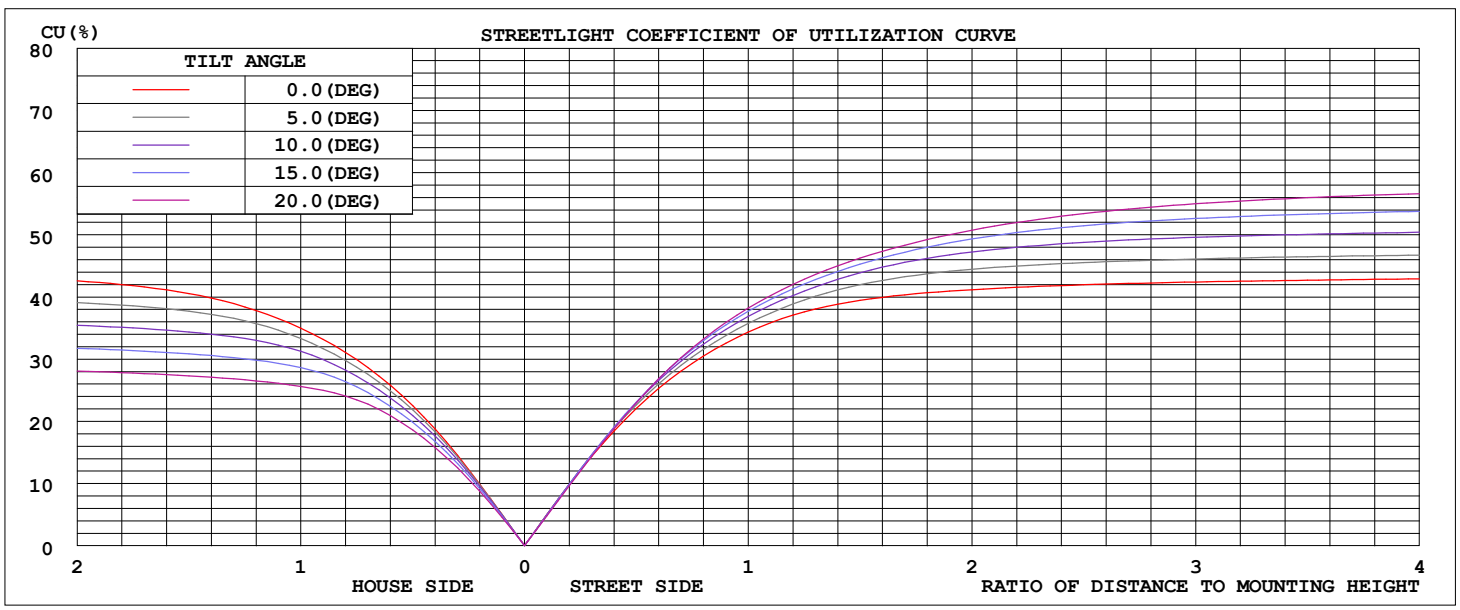
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-14.4W/IP54

ISOLUX DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:





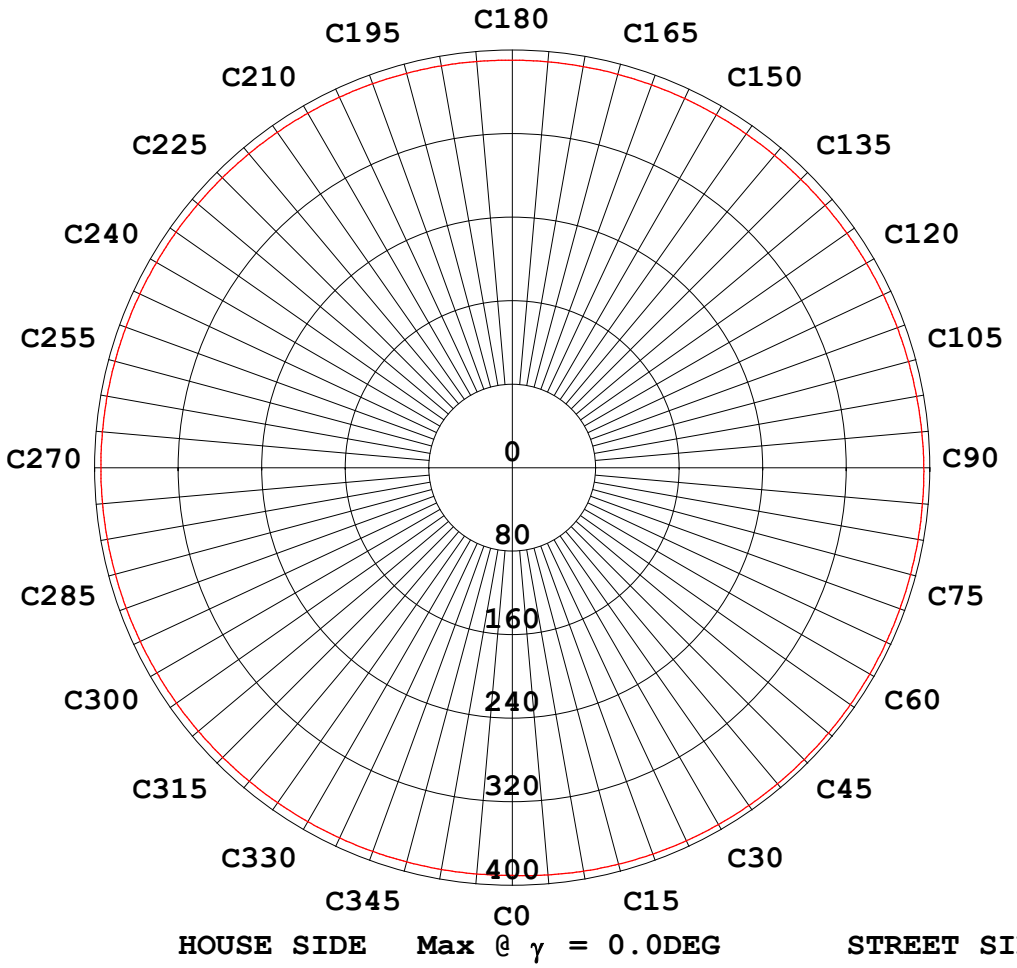
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-14.4W/IP54

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		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-14.4W/IP54

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3955142		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG) \ C(DEG)	0	90	180	270
0.0	390	394	390	394
5.0	389	391	389	393
10.0	384	379	384	389
15.0	374	367	375	381
20.0	358	343	358	368
25.0	337	327	337	352
30.0	310	318	311	334
35.0	278	304	278	316
40.0	241	300	239	303
45.0	198	311	194	290
50.0	149	274	143	281
55.0	88.7	205	74.7	248
60.0	37.2	147	25.4	169
65.0	14.1	91.3	7.62	99.8
70.0	12.7	64.9	7.22	74.4
75.0	12.7	48.9	7.58	56.3
80.0	13.0	40.6	7.99	46.2
85.0	13.3	35.2	8.76	40.0
90.0	13.9	31.3	10.0	34.9
95.0	14.2	28.5	10.8	29.6
100.0	14.5	25.2	11.4	23.8
105.0	14.7	22.3	12.1	18.7
110.0	14.9	19.0	12.7	15.8
115.0	14.9	15.4	13.4	15.1
120.0	14.9	14.0	14.0	14.1
125.0	14.9	13.3	14.4	13.3
130.0	14.8	13.7	14.8	13.7
135.0	14.7	14.0	14.7	14.0
140.0	14.7	13.9	14.7	13.9
145.0	14.6	13.8	14.6	13.8
150.0	14.6	13.8	14.6	13.8
155.0	14.6	13.7	14.6	13.7
160.0	14.5	13.7	14.5	13.7
165.0	14.5	13.6	14.5	13.6
170.0	14.5	13.6	14.5	13.6
175.0	14.4	13.5	14.4	13.5
180.0	14.4	13.5	14.4	13.5

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-14.4W/IP54