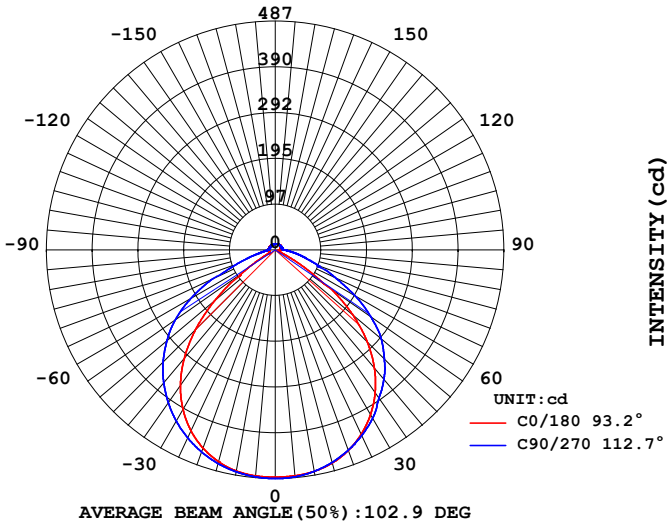
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925192		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

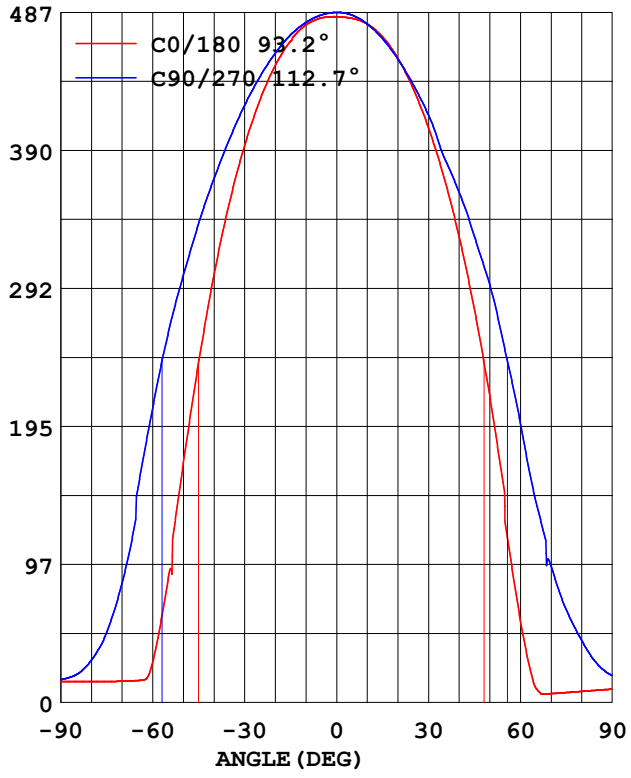
DATA OF LAMP		Imax(cd)	486.9	S/MH(C0/180)	1.21
MODEL	24V-480D-2700K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.29
NOMINAL POWER(W)	16	TOTAL FLUX(lm)	1226.0	Voltage(V)	23.85
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	76.0	Current(A)	0.676
NOMINAL FLUX(lm)	1226.0	η up(%)	7.2	Power(W)	16.12
LAMPS QUANTITY	1	η down(%)	92.8	Power Factor(PF)	1.000
TEST VOLTAGE(V)	23.9	Effictive Flux(lm)	1099.3	EEI	0.194

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):102.9 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: HCP3925192		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

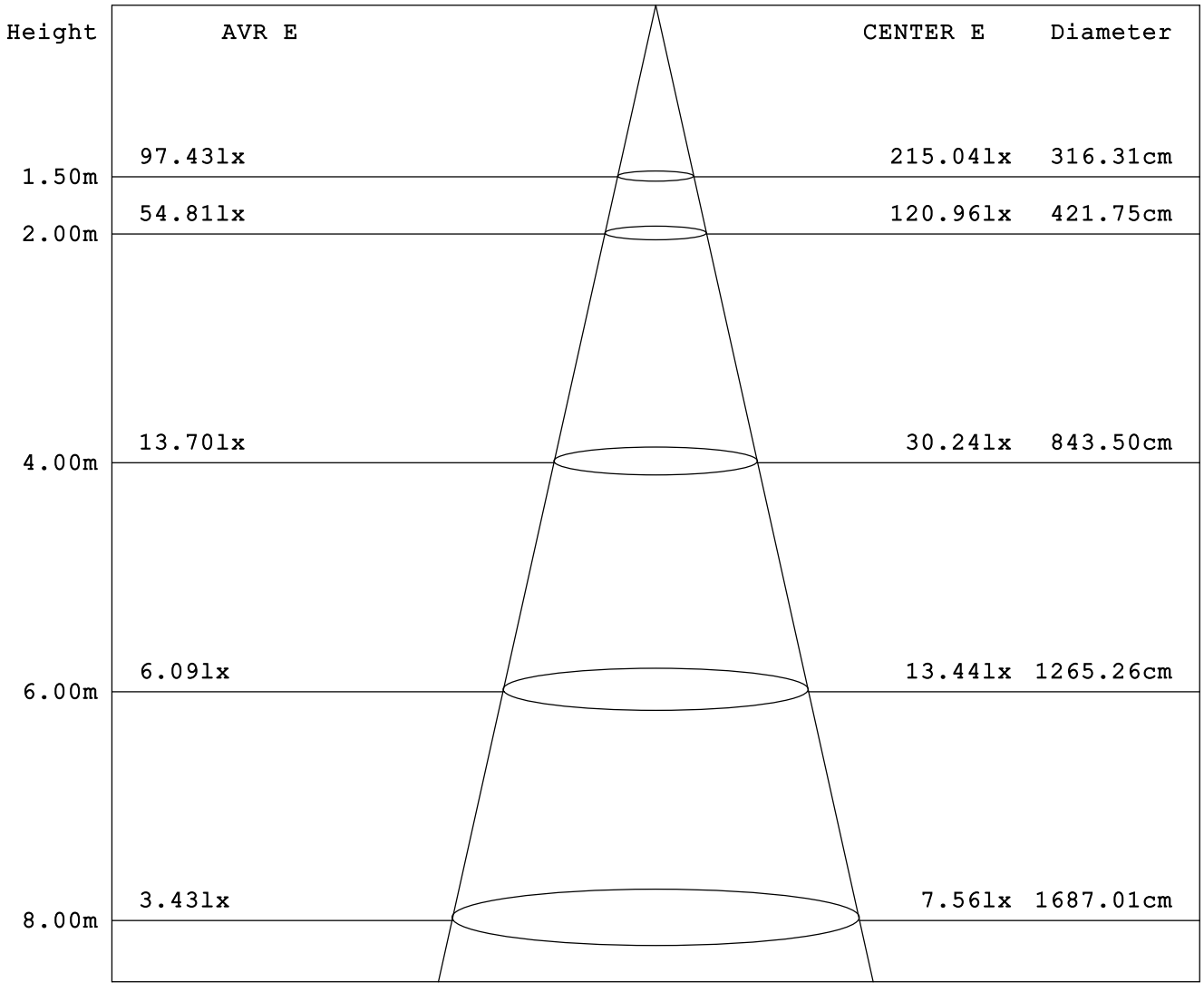
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

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: HCP3925192		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



Angle:93.0deg

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: HCP3925192		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

γ	C0	C90	C180	C270					γ	zone	total
5.0	483.0	485.0	482.7	485.0					0- 5	11.13	11.13
10.0	478.2	480.0	478.9	479.0					5- 10	33.09	44.22
15.0	466.8	471.6	470.3	469.1					10- 15	54.08	98.31
20.0	451.0	459.2	456.1	455.3					15- 20	73.28	171.5
25.0	427.8	443.3	435.7	438.0					20- 25	89.92	261.5
30.0	397.0	423.8	409.2	417.3					25- 30	103.2	364.7
35.0	358.3	400.6	376.4	389.2					30- 35	112.4	477.2
40.0	310.1	374.0	336.0	364.3					35- 40	116.9	594.2
45.0	251.5	344.0	287.0	334.8					40- 45	116.2	710.4
50.0	183.4	308.7	229.2	302.0					45- 50	109.3	819.7
55.0	93.81	269.9	161.6	259.4					50- 55	95.81	915.6
60.0	39.64	221.2	73.89	210.5					55- 60	73.94	989.5
65.0	15.74	164.6	19.03	155.1					60- 65	52.06	1042
70.0	15.09	96.28	6.045	98.52					65- 70	34.78	1076
75.0	14.85	58.47	6.776	73.32					70- 75	23.66	1100
80.0	14.76	34.89	7.587	50.15					75- 80	16.71	1117
85.0	14.72	22.07	8.399	32.13					80- 85	12.10	1129
90.0	14.68	17.00	9.170	21.22					85- 90	9.179	1138
95.0	14.72	15.25	9.941	16.27					90- 95	7.878	1146
100.0	14.68	14.44	10.63	14.68					95-100	7.362	1153
105.0	14.64	14.16	11.19	14.28					100-105	7.170	1160
110.0	14.52	14.03	11.72	14.20					105-110	7.052	1168
115.0	14.36	13.75	12.21	13.75					110-115	6.842	1174
120.0	14.16	13.51	12.65	13.87					115-120	6.581	1181
125.0	13.95	13.02	13.06	13.83					120-125	6.285	1187
130.0	13.79	12.74	13.34	13.71					125-130	5.916	1193
135.0	13.71	12.53	13.71	13.55					130-135	5.523	1199
140.0	13.67	13.43	13.67	13.43					135-140	5.140	1204
145.0	13.59	13.34	13.59	13.34					140-145	4.701	1209
150.0	13.55	13.26	13.55	13.26					145-150	4.188	1213
155.0	13.51	13.18	13.51	13.18					150-155	3.653	1216
160.0	13.47	13.14	13.47	13.14					155-160	3.099	1219
165.0	13.43	13.10	13.43	13.10					160-165	2.528	1222
170.0	13.43	13.06	13.43	13.06					165-170	1.945	1224
175.0	13.39	13.06	13.39	13.06					170-175	1.349	1225
180.0	13.34	13.02	13.34	13.02					175-180	0.748	1226
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

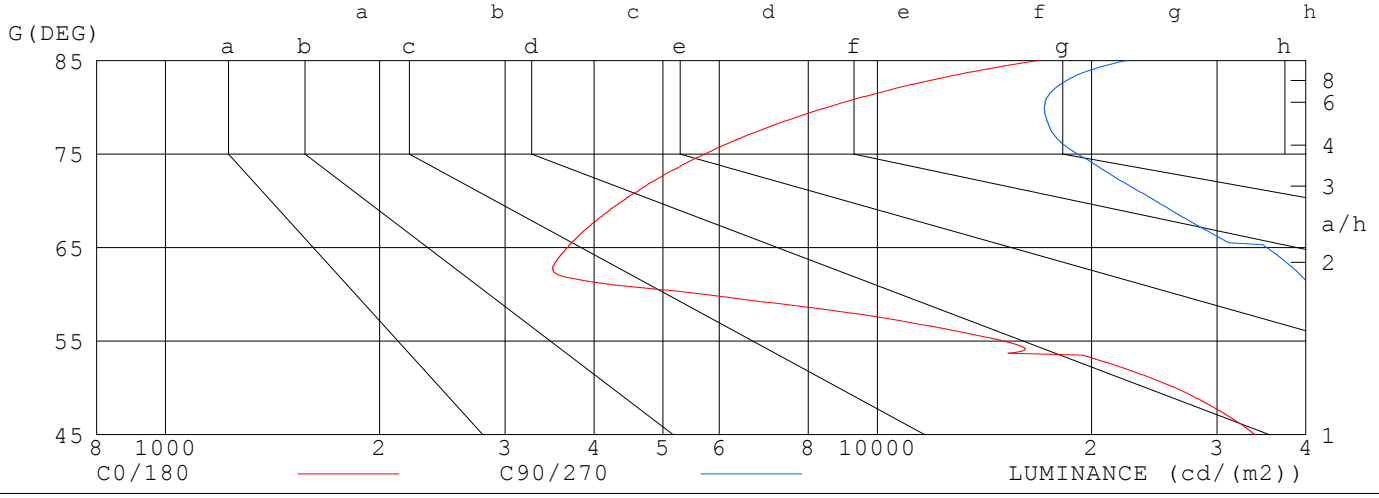
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925192		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	16854	22580
80	8506	17339
75	5722	19346
70	4390	24843
65	3668	35534
60	5876	41778
55	15274	45439
50	26469	46991
45	34127	47882

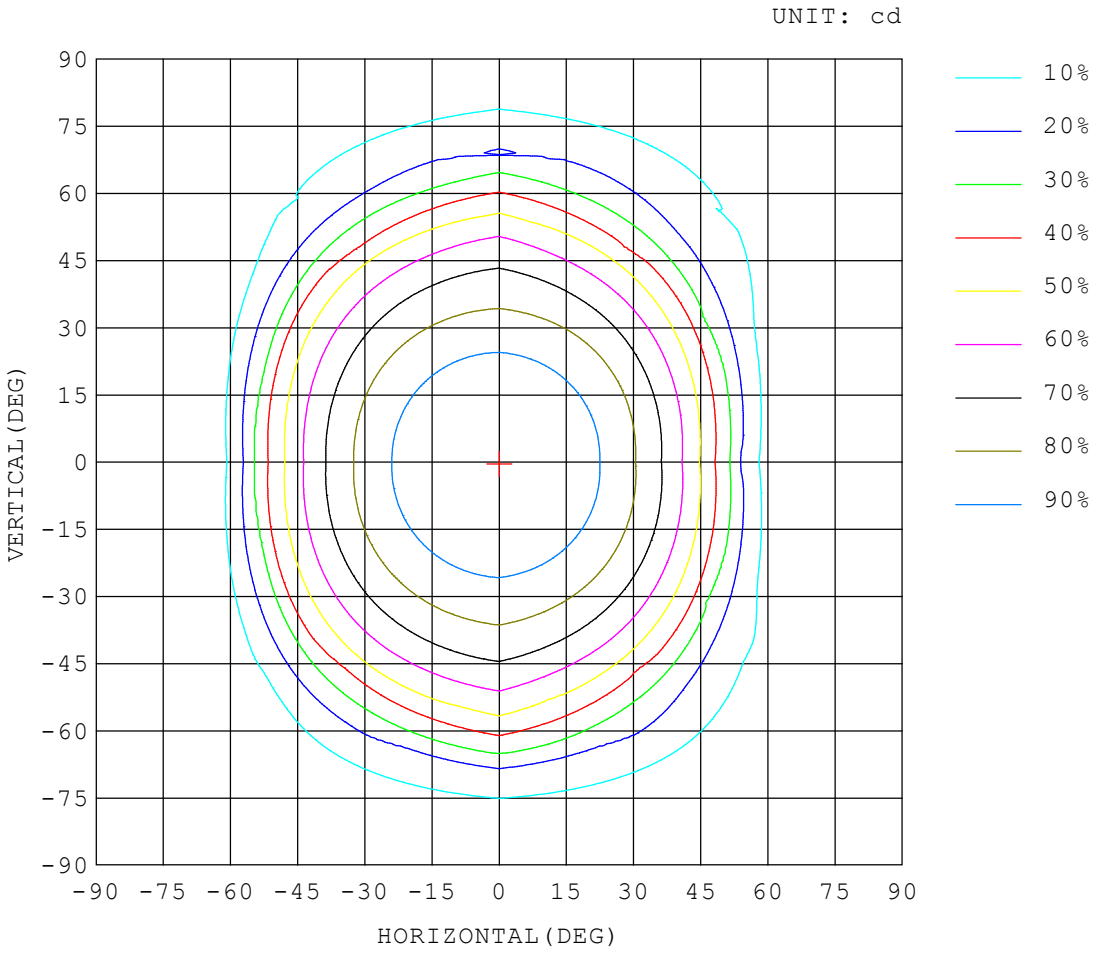
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

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: HCP3925192		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



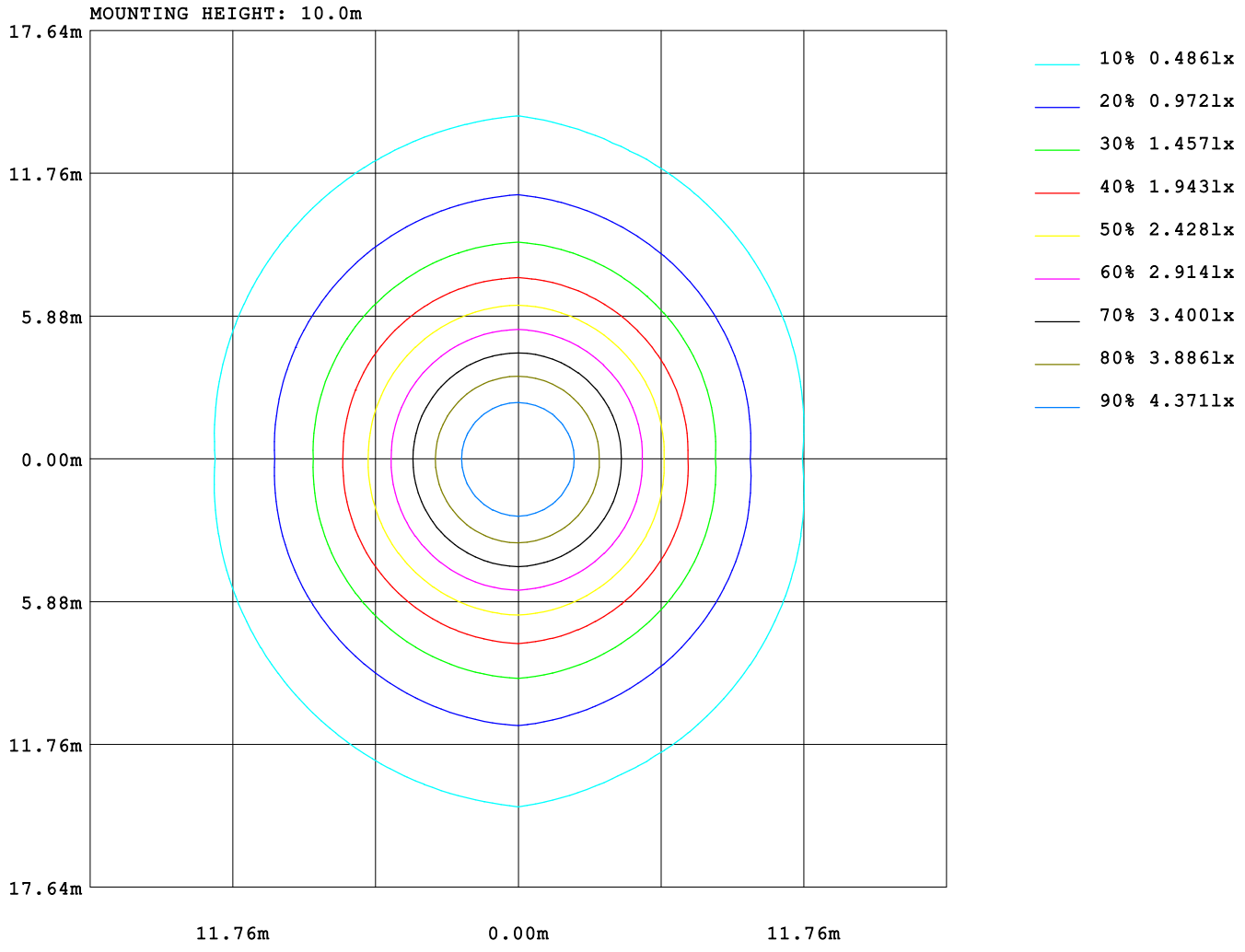
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

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: HCP3925192		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: HCP3925192		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	0.09	0.16	0.26	0.36	0.49	0.61	0.74	0.84	0.85	0.76	0.66	0.54	0.43	0.32	0.22	0.12	0.04	7.50	0.00
70	0.03	0.09	0.19	0.35	0.57	0.88	1.23	1.59	1.91	1.93	1.63	1.28	0.95	0.65	0.42	0.25	0.13	0.04	14.1	6.94
60	0.03	0.10	0.23	0.47	0.88	1.52	2.38	3.30	4.06	4.06	3.31	2.43	1.61	0.98	0.55	0.29	0.14	0.04	26.4	22.9
50	0.03	0.10	0.26	0.62	1.39	2.83	4.59	6.17	7.23	7.14	5.92	4.30	2.66	1.44	0.72	0.33	0.15	0.04	45.9	43.6
40	0.03	0.10	0.28	0.84	2.46	4.92	7.22	8.84	9.77	9.68	8.55	6.72	4.34	2.11	0.88	0.37	0.15	0.04	67.3	65.6
30	0.03	0.10	0.30	1.28	3.86	6.76	9.08	10.7	11.5	11.5	10.5	8.70	6.15	3.18	1.06	0.39	0.15	0.04	85.4	84.1
	0.02	0.09	0.31	1.82	5.01	7.99	10.4	12.2	13.1	13.0	12.0	10.1	7.48	4.24	1.35	0.37	0.15	0.04	99.9	98.8
	0.02	0.08	0.32	2.28	5.68	8.80	11.3	13.1	14.1	14.0	13.1	11.1	8.34	4.93	1.62	0.33	0.14	0.04	110	109
	0.02	0.06	0.30	2.46	5.96	9.19	11.8	13.6	14.5	14.5	13.6	11.6	8.73	5.19	1.69	0.26	0.12	0.04	114	113
	0.02	0.06	0.30	2.47	5.97	9.21	11.8	13.7	14.5	14.5	13.6	11.6	8.75	5.20	1.70	0.26	0.12	0.04	114	113
	0.02	0.07	0.32	2.30	5.71	8.86	11.4	13.2	14.1	14.1	13.1	11.2	8.40	4.96	1.64	0.33	0.13	0.04	110	109
-30	0.02	0.08	0.30	1.86	5.06	8.07	10.5	12.3	13.2	13.2	12.2	10.2	7.56	4.29	1.38	0.36	0.14	0.04	101	99.9
-40	0.02	0.09	0.27	1.32	3.93	6.84	9.22	10.9	11.8	11.8	10.7	8.84	6.23	3.25	1.10	0.36	0.14	0.04	87.0	85.8
-50	0.02	0.09	0.25	0.82	2.55	5.05	7.35	9.01	10.0	9.91	8.73	6.86	4.47	2.20	0.87	0.33	0.14	0.04	68.7	67.1
-60	0.03	0.09	0.21	0.54	1.36	2.95	4.80	6.42	7.51	7.41	6.17	4.50	2.77	1.41	0.64	0.29	0.13	0.04	47.3	45.0
-70	0.03	0.08	0.18	0.37	0.74	1.35	2.25	3.25	4.06	4.06	3.26	2.30	1.44	0.84	0.46	0.25	0.13	0.04	25.1	21.4
-80	0.03	0.08	0.16	0.26	0.43	0.65	0.93	1.22	1.48	1.50	1.26	0.99	0.72	0.50	0.34	0.21	0.12	0.04	10.9	3.10
-90	0.03	0.08	0.15	0.22	0.30	0.38	0.46	0.54	0.61	0.62	0.57	0.51	0.44	0.36	0.28	0.20	0.12	0.04	5.89	0.00
HORIZONTAL(DEG)																				
Φ t	0.45	1.52	4.46	20.5	52.2	86.7	118	141	155	154	139	114	81.6	46.2	17.0	5.39	2.39	0.72	1226	
Φ a	0.00	0.00	0.31	16.4	48.8	83.8	115	139	152	152	137	112	78.6	42.7	11.6	0.00	0.00	0.00		1099

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

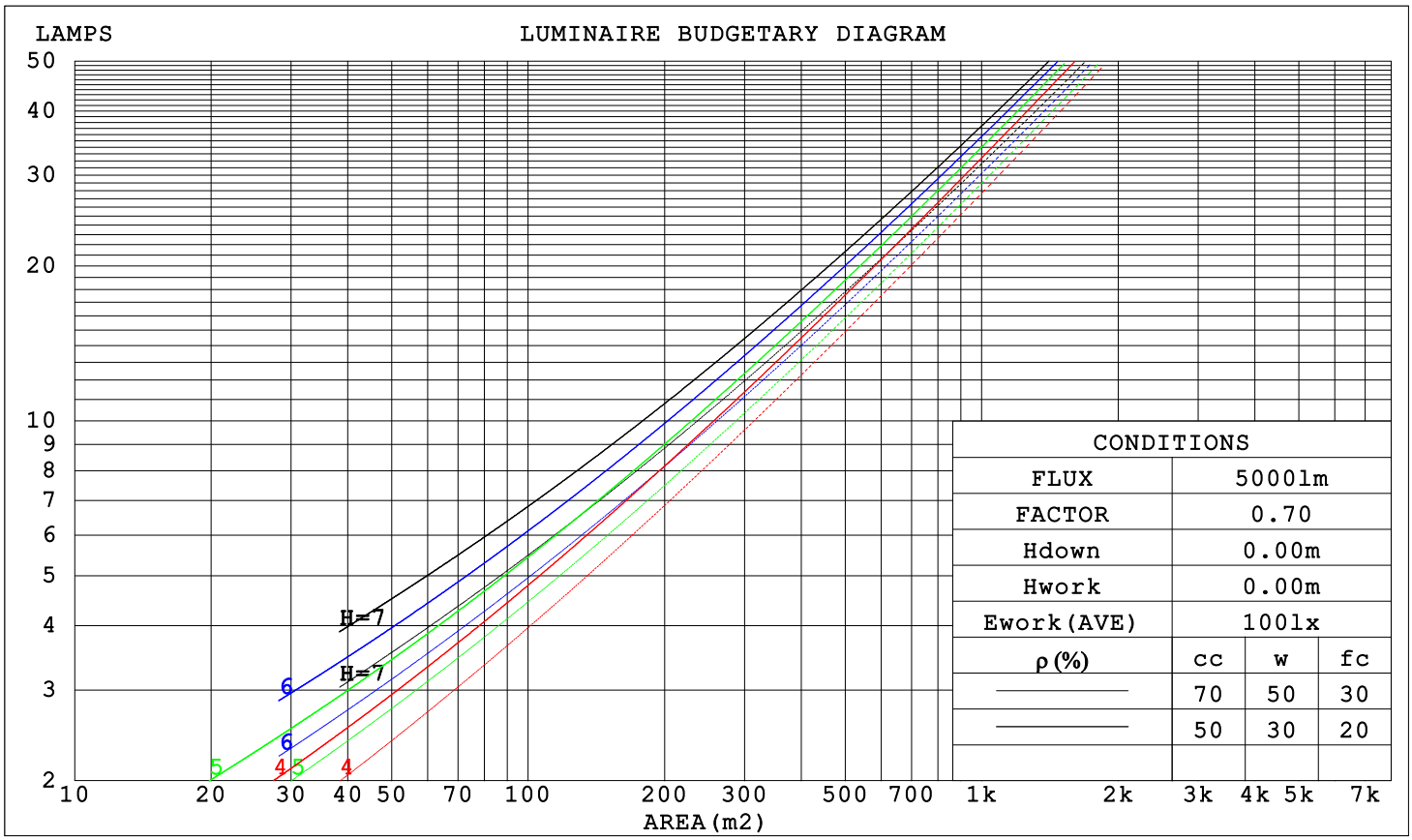
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-480D-2700K-9.6W/IP20

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: HAVIT COMMERCIAL			
Address:			
NAME: HCP3925192		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	1.01	1.01	1.01	.95	.95	.95	.93
1.0	1.04	1.00	.97	1.01	.97	.94	.95	.93	.90	.90	.88	.86	.86	.84	.82	.80
2.0	.92	.86	.81	.89	.84	.79	.85	.80	.76	.81	.77	.73	.77	.74	.71	.68
3.0	.82	.74	.68	.80	.73	.67	.76	.70	.65	.72	.67	.63	.69	.65	.61	.59
4.0	.73	.65	.59	.71	.64	.58	.68	.61	.56	.65	.59	.55	.62	.57	.53	.51
5.0	.66	.57	.51	.64	.56	.50	.61	.54	.49	.59	.53	.48	.56	.51	.47	.45
6.0	.59	.51	.45	.58	.50	.44	.55	.49	.43	.53	.47	.43	.51	.46	.42	.40
7.0	.54	.46	.40	.53	.45	.39	.51	.44	.39	.49	.42	.38	.47	.41	.37	.35
8.0	.49	.41	.36	.48	.41	.35	.46	.40	.35	.45	.39	.34	.43	.38	.33	.32
9.0	.45	.37	.32	.44	.37	.32	.43	.36	.31	.41	.35	.31	.40	.34	.30	.29
10.0	.42	.34	.29	.41	.34	.29	.40	.33	.29	.38	.32	.28	.37	.32	.28	.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: HCP3925192		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	.276	.157	.050	.267	.152	.048	.250	.144	.046	.234	.135	.043	.220	.127	.041	
2.0	.261	.143	.044	.253	.139	.043	.238	.132	.041	.224	.126	.039	.211	.119	.038	
3.0	.244	.130	.039	.237	.127	.038	.223	.121	.037	.211	.116	.035	.199	.110	.034	
4.0	.228	.118	.035	.221	.116	.034	.209	.111	.033	.198	.106	.032	.188	.102	.031	
5.0	.213	.108	.031	.207	.106	.031	.196	.102	.030	.186	.098	.029	.176	.094	.028	
6.0	.199	.100	.029	.194	.098	.028	.184	.094	.027	.175	.091	.027	.166	.087	.026	
7.0	.186	.092	.026	.182	.091	.026	.173	.087	.025	.164	.084	.025	.157	.081	.024	
8.0	.175	.086	.024	.171	.084	.024	.163	.081	.023	.155	.079	.023	.148	.076	.022	
9.0	.165	.080	.022	.161	.079	.022	.154	.076	.022	.147	.074	.021	.140	.071	.021	
10.0	.156	.075	.021	.152	.074	.021	.145	.071	.020	.139	.069	.020	.133	.067	.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	.245	.245	.245	.210	.210	.210	.143	.143	.143	.082	.082	.082	.026	.026	.026	
1.0	.233	.212	.192	.199	.182	.165	.136	.125	.114	.079	.072	.067	.025	.023	.022	
2.0	.224	.188	.157	.192	.161	.136	.131	.112	.095	.076	.065	.056	.024	.021	.018	
3.0	.215	.170	.134	.185	.147	.116	.127	.102	.081	.073	.059	.048	.024	.019	.016	
4.0	.208	.157	.118	.178	.135	.102	.123	.094	.072	.071	.055	.043	.023	.018	.014	
5.0	.200	.146	.106	.172	.126	.092	.119	.088	.065	.069	.052	.039	.022	.017	.013	
6.0	.194	.138	.098	.166	.119	.085	.115	.084	.060	.067	.049	.036	.021	.016	.012	
7.0	.187	.131	.091	.161	.113	.080	.111	.080	.056	.065	.047	.034	.021	.015	.011	
8.0	.181	.125	.087	.156	.109	.076	.108	.076	.054	.063	.045	.032	.020	.015	.011	
9.0	.176	.120	.083	.151	.104	.072	.105	.073	.051	.061	.043	.031	.020	.014	.010	
10.0	.170	.116	.080	.147	.101	.070	.102	.071	.050	.059	.042	.030	.019	.014	.010	

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: HCP3925192		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	22.0	23.4	22.4	23.7	24.0	25.4	26.7	25.8	27.0	27.4
3H	22.1	23.3	22.4	23.6	24.0	26.2	27.4	26.6	27.7	28.1
4H	22.1	23.2	22.5	23.6	24.0	26.4	27.5	26.8	27.9	28.3
6H	22.2	23.2	22.6	23.6	24.0	26.5	27.6	27.0	28.0	28.4
8H	22.3	23.3	22.7	23.7	24.1	26.6	27.6	27.0	28.0	28.4
12H	22.4	23.4	22.9	23.8	24.3	26.7	27.6	27.1	28.1	28.5
4H 2H	22.6	23.7	23.0	24.1	24.5	25.4	26.5	25.8	26.9	27.3
3H	22.7	23.7	23.2	24.1	24.6	26.3	27.3	26.7	27.7	28.1
4H	22.8	23.7	23.3	24.2	24.7	26.6	27.5	27.1	27.9	28.4
6H	23.0	23.8	23.5	24.3	24.8	26.8	27.6	27.3	28.1	28.6
8H	23.2	23.9	23.7	24.4	24.9	27.0	27.7	27.5	28.2	28.7
12H	23.5	24.1	24.0	24.6	25.2	27.1	27.8	27.6	28.3	28.8
8H 4H	23.0	23.8	23.6	24.3	24.8	26.5	27.3	27.1	27.8	28.3
6H	23.4	24.0	23.9	24.5	25.1	26.9	27.5	27.4	28.0	28.6
8H	23.7	24.2	24.2	24.8	25.3	27.1	27.6	27.6	28.2	28.8
12H	24.1	24.6	24.7	25.1	25.8	27.3	27.8	27.9	28.4	29.0
12H 4H	23.1	23.7	23.6	24.2	24.8	26.5	27.2	27.0	27.7	28.2
6H	23.5	24.0	24.0	24.6	25.2	26.9	27.4	27.4	27.9	28.5
8H	23.8	24.3	24.4	24.9	25.5	27.1	27.6	27.7	28.1	28.8

Variations with the observer position at spacings:		
S = 1.0H	+ 0.8 / - 1.1	+ 0.2 / - 0.3
1.5H	+ 0.4 / - 0.8	+ 0.4 / - 0.5
2.0H	+ 1.6 / - 2.7	+ 0.9 / - 1.2

CIE Pub.117 Corrected 1226 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.7)

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: HCP3925192		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	42	58	48	41	57	47	41	35
0.80	69	58	52	68	58	51	66	57	51	44
1.00	78	67	61	76	67	60	74	67	59	52
1.25	85	75	68	83	74	68	80	72	67	59
1.50	89	80	74	87	79	73	84	77	72	64
2.00	96	88	82	93	86	81	89	83	79	70
2.50	99	92	86	97	90	85	92	87	82	73
3.00	102	96	91	99	94	89	94	90	86	76
4.00	106	100	96	103	98	94	97	94	90	80
5.00	108	103	99	105	101	97	99	96	93	82
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

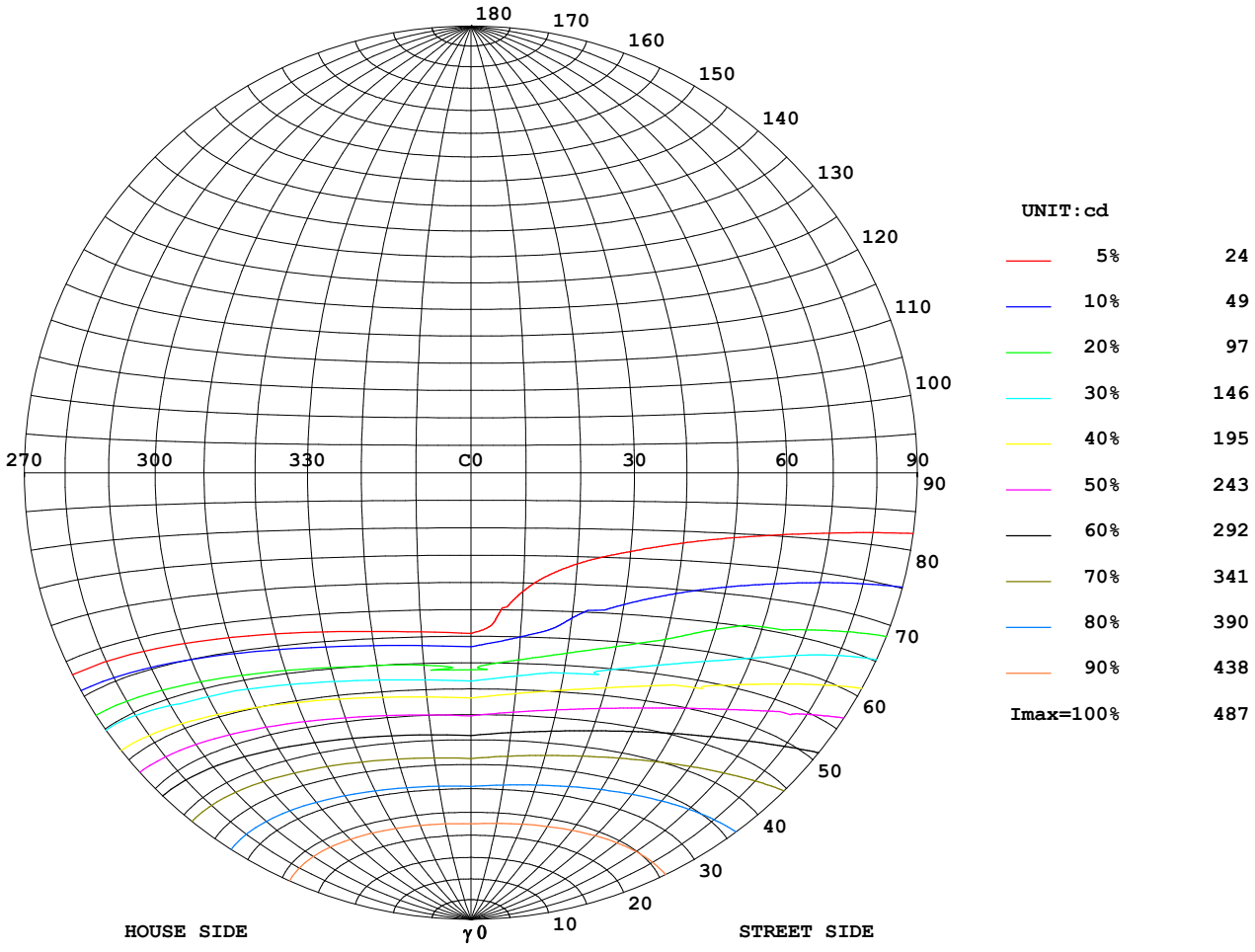
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

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: HCP3925192		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



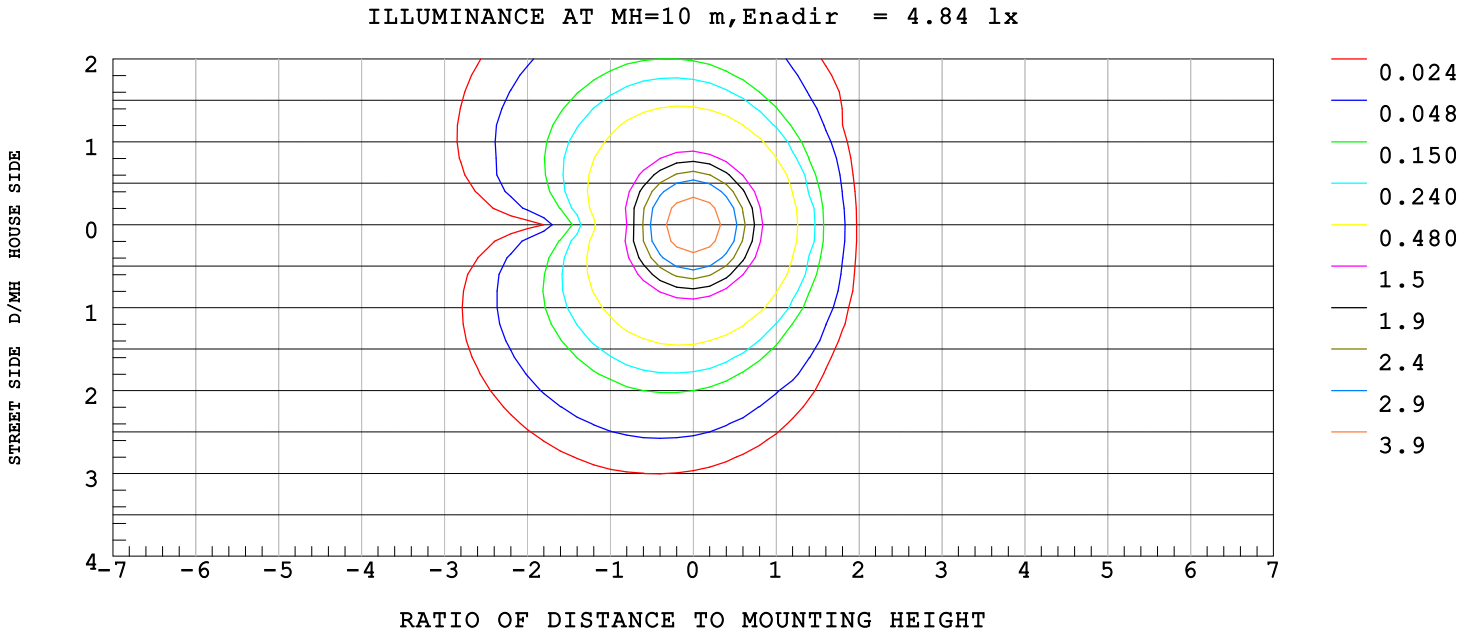
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

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: HCP3925192		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:





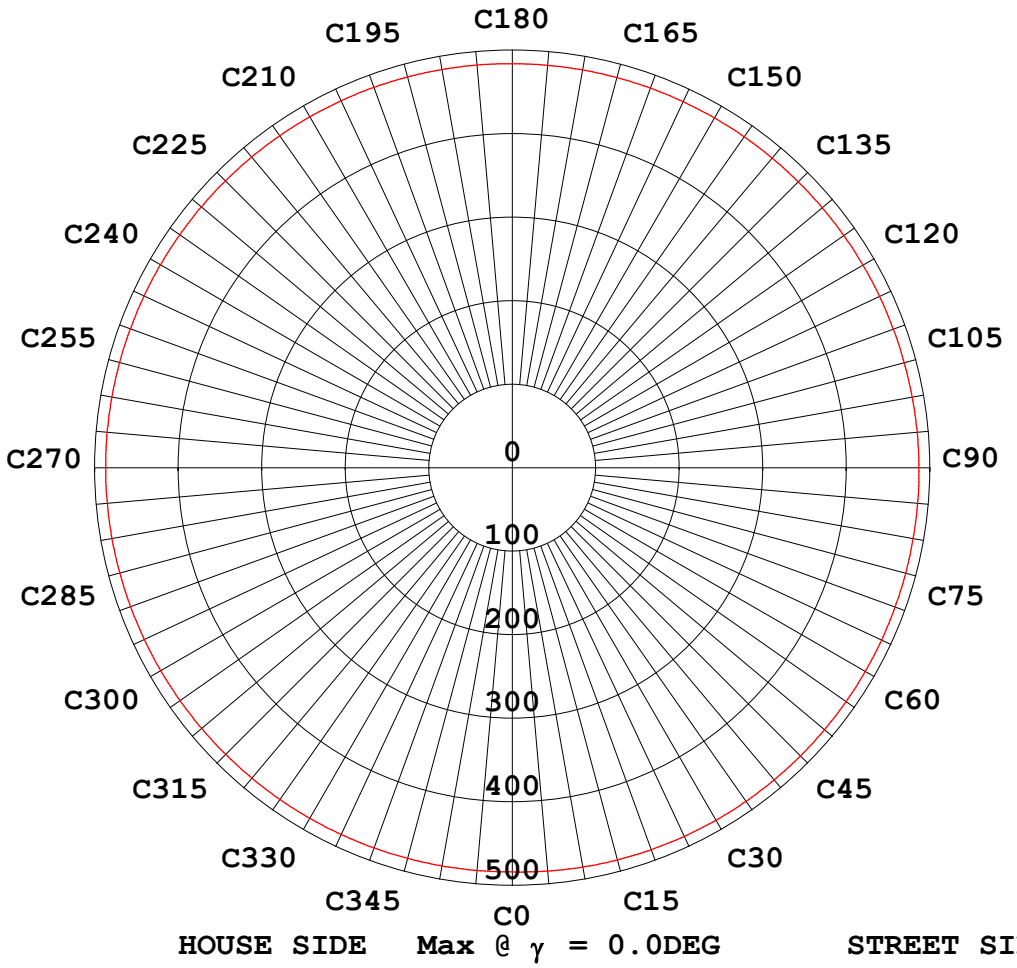
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023.04.12

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: HCP3925192		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: HCP3925192		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG) \ C(DEG)	0	90	180	270
0.0	484	487	484	487
5.0	483	485	483	485
10.0	478	480	479	479
15.0	467	471	470	469
20.0	450	458	455	454
25.0	426	442	434	437
30.0	393	422	406	415
35.0	353	398	372	386
40.0	303	370	330	361
45.0	241	339	278	329
50.0	170	302	218	296
55.0	87.6	261	138	249
60.0	29.3	209	59.2	199
65.0	15.5	150	10.9	143
70.0	15.0	84.9	6.24	97.1
75.0	14.8	50.0	7.01	65.8
80.0	14.7	30.1	7.83	44.2
85.0	14.6	19.6	8.64	27.7
90.0	14.7	16.1	9.45	19.0
95.0	14.7	14.8	10.1	15.3
100.0	14.6	14.3	10.8	14.4
105.0	14.6	14.2	11.4	14.2
110.0	14.4	13.9	11.9	14.1
115.0	14.2	13.6	12.4	13.7
120.0	14.0	13.3	12.8	13.8
125.0	13.8	12.9	13.2	13.7
130.0	13.7	12.6	13.5	13.6
135.0	13.6	13.5	13.6	13.5
140.0	13.6	13.3	13.6	13.3
145.0	13.5	13.3	13.5	13.3
150.0	13.5	13.2	13.5	13.2
155.0	13.5	13.1	13.5	13.1
160.0	13.4	13.1	13.4	13.1
165.0	13.4	13.0	13.4	13.0
170.0	13.3	13.0	13.3	13.0
175.0	13.3	13.0	13.3	13.0
180.0	13.3	13.0	13.3	13.0

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
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