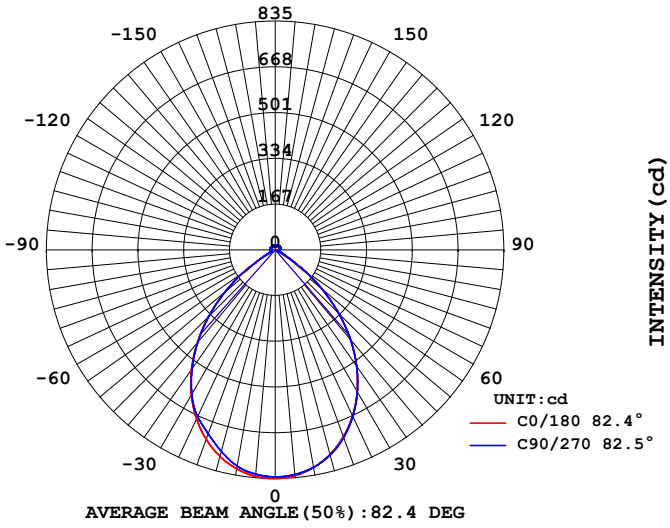
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

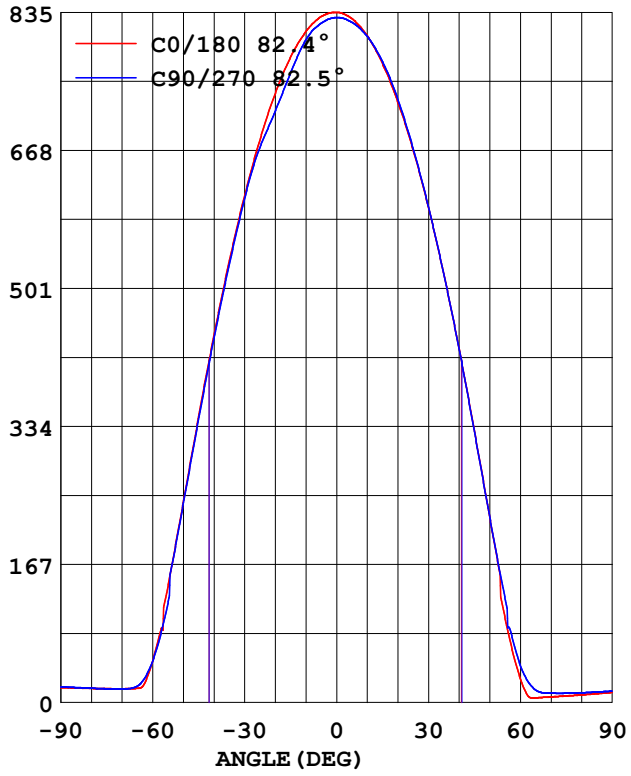
DATA OF LAMP		Imax(cd)	865.4	S/MH(C0/180)	1.11
MODEL	24V-2835-180D-[illegible]	[illegible](%)	100.0	S/MH(C90/270)	1.12
NOMINAL POWER(W)	9.6	TOTAL FLUX(lm)	1752.3	Voltage(V)	23.98
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	182.6	Current(A)	0.385
NOMINAL FLUX(lm)	1752.3	η up(%)	8.0	Power(W)	9.600
LAMPS QUANTITY	1	η down(%)	92.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effictive Flux(lm)	1385.8	EEI	0.102

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):82.4 DEG

LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

Color Temperature Data List

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

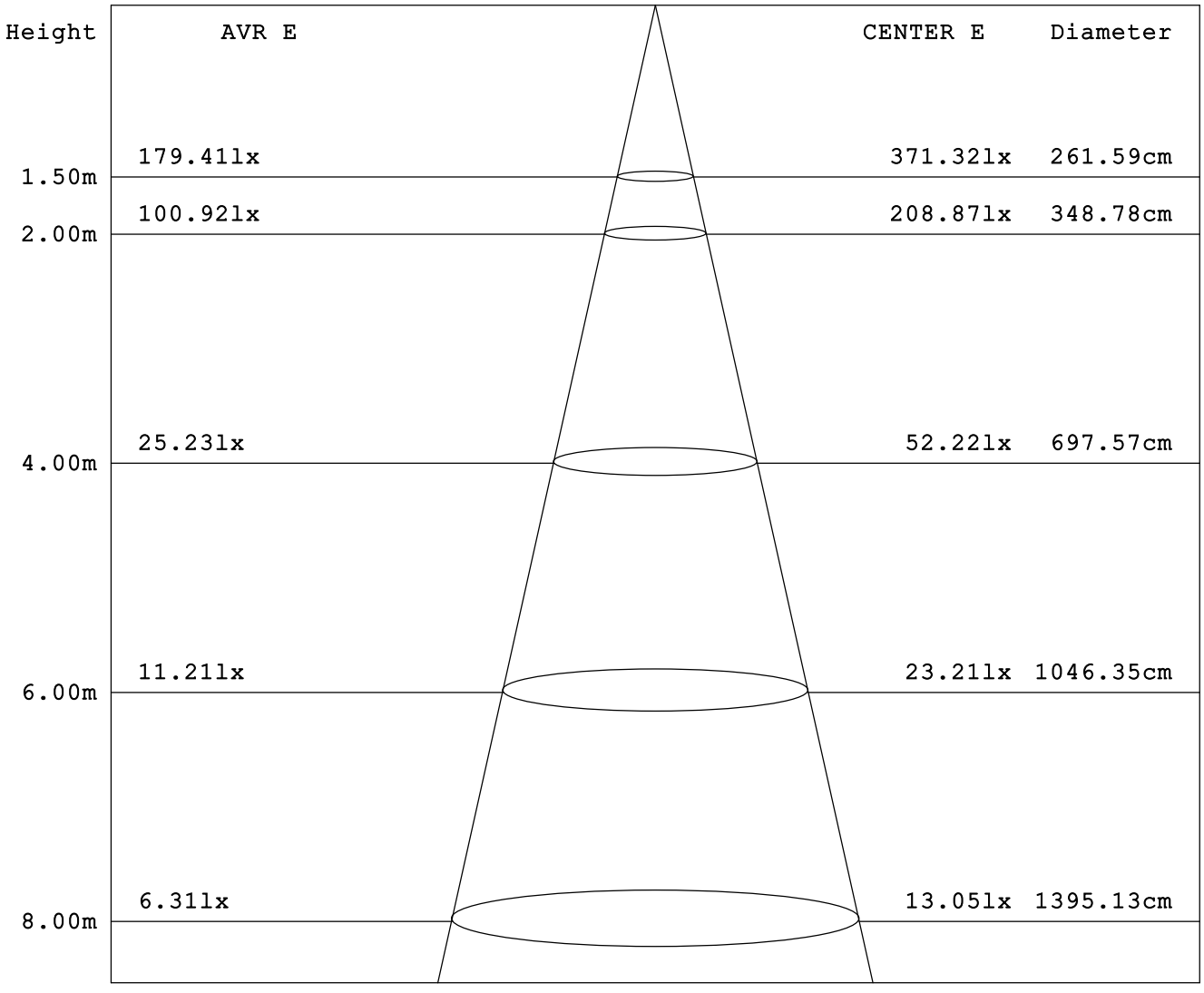
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



Angle:82.2deg

Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

γ	C0	C90	C180	C270					γ	zone	total
5.0	830.5	822.4	828.2	823.5					0- 5	19.04	19.04
10.0	813.0	803.2	808.2	807.3					5- 10	56.15	75.20
15.0	783.2	764.7	775.9	777.8					10- 15	90.24	165.4
20.0	741.0	719.4	731.0	734.7					15- 20	119.3	284.7
25.0	687.0	676.7	675.1	677.3					20- 25	142.1	426.9
30.0	621.7	618.4	608.2	609.2					25- 30	157.5	584.5
35.0	545.8	541.7	530.9	531.0					30- 35	163.2	747.7
40.0	459.4	455.3	443.7	443.3					35- 40	158.7	906.4
45.0	364.6	360.7	347.4	346.2					40- 45	143.6	1050
50.0	262.8	260.9	245.5	245.2					45- 50	118.4	1169
55.0	162.4	162.4	122.1	147.0					50- 55	85.00	1254
60.0	66.46	63.25	43.37	58.75					55- 60	43.54	1297
65.0	18.09	23.98	5.477	19.51					60- 65	15.57	1313
70.0	16.67	16.51	6.451	11.40					65- 70	6.793	1320
75.0	16.63	16.43	7.628	11.19					70- 75	6.509	1326
80.0	16.96	17.00	8.764	11.56					75- 80	6.909	1333
85.0	17.44	17.81	10.18	12.37					80- 85	7.430	1340
90.0	18.01	18.62	11.64	13.39					85- 90	8.004	1348
95.0	18.50	19.35	13.06	14.36					90- 95	8.538	1357
100.0	18.90	19.96	14.32	15.17					95-100	8.940	1366
105.0	19.27	20.28	15.41	15.90					100-105	9.198	1375
110.0	19.51	20.41	16.39	16.55					105-110	9.314	1384
115.0	19.63	20.20	17.24	17.20					110-115	9.280	1394
120.0	19.59	19.80	17.93	17.73					115-120	9.085	1403
125.0	19.43	19.19	18.50	18.17					120-125	8.741	1411
130.0	19.15	18.70	18.86	18.30					125-130	8.276	1420
135.0	19.03	18.34	19.03	18.34					130-135	7.723	1427
140.0	18.94	18.30	18.94	18.30					135-140	7.118	1435
145.0	18.90	18.30	18.90	18.30					140-145	6.473	1441
150.0	18.82	18.21	18.82	18.21					145-150	5.784	1447
155.0	18.78	18.21	18.78	18.21					150-155	5.057	1452
160.0	18.74	18.17	18.74	18.17					155-160	4.296	1456
165.0	18.70	18.13	18.70	18.13					160-165	3.509	1460
170.0	18.66	18.09	18.66	18.09					165-170	2.700	1462
175.0	18.66	18.05	18.66	18.05					170-175	1.875	1464
180.0	18.62	18.05	18.62	18.05					175-180	1.038	1465
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

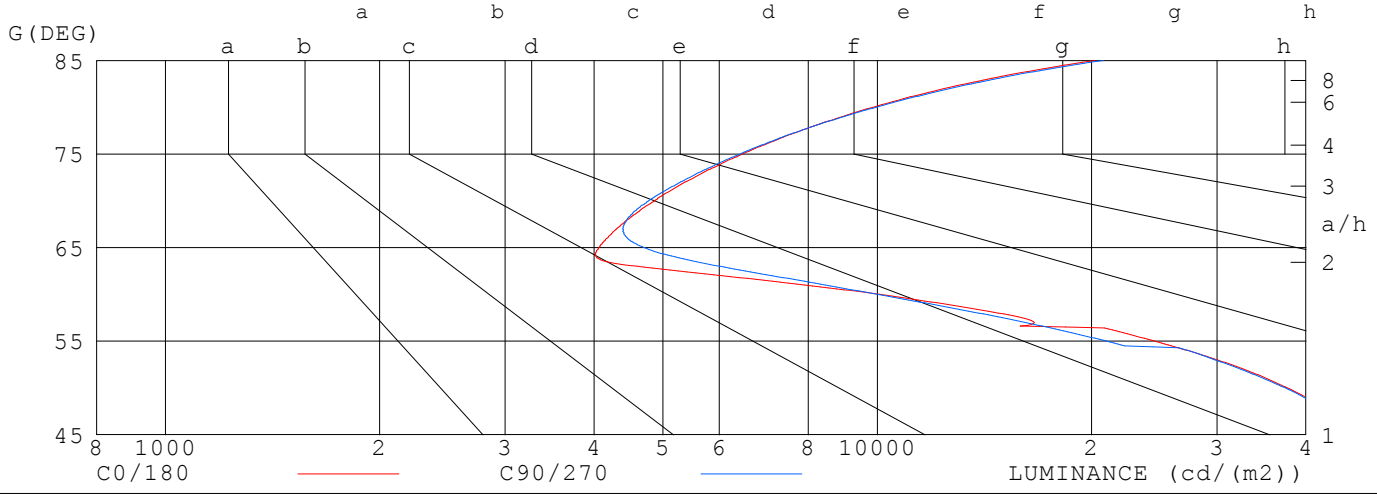
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		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	20252	20764
80	9838	9954
75	6459	6412
70	4864	4769
65	4071	4762
60	10339	10209
55	24859	21294
50	37989	37737
45	49219	48777

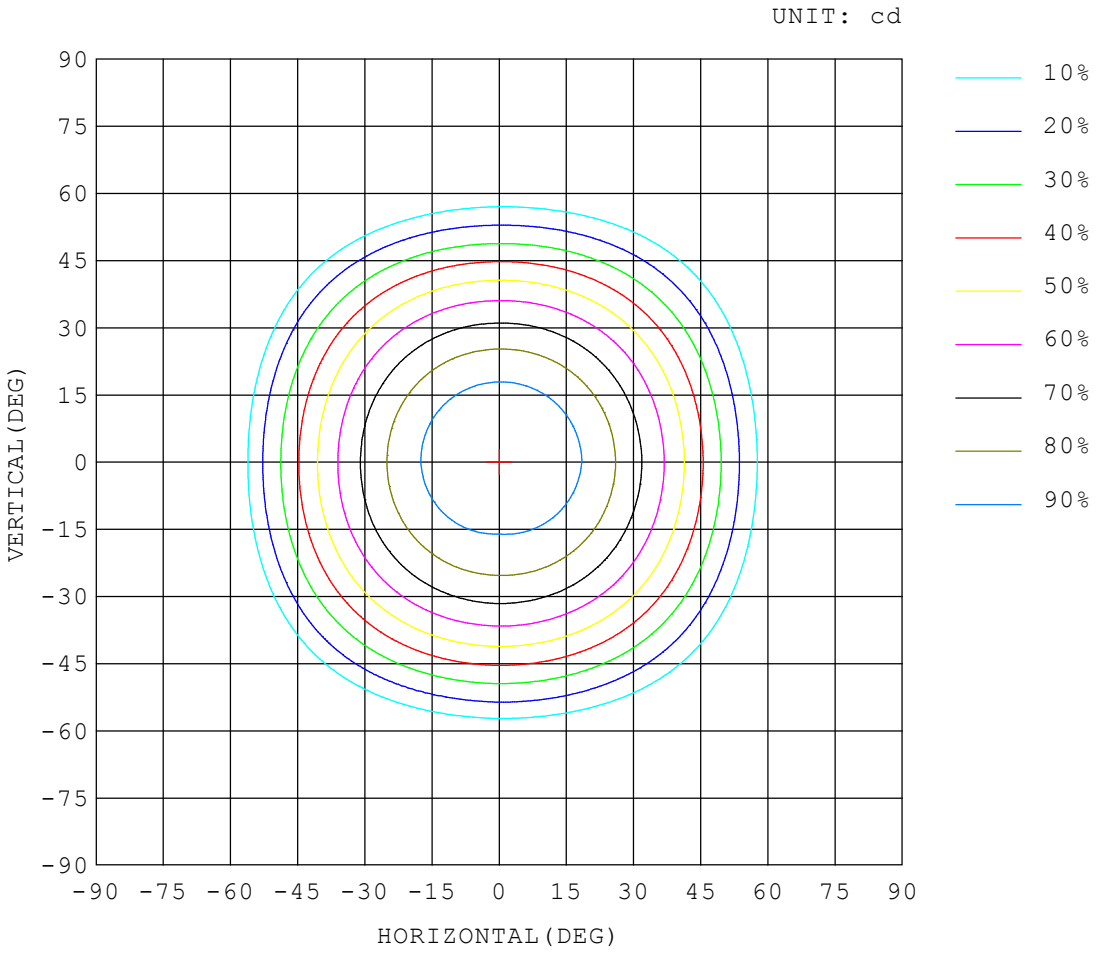
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



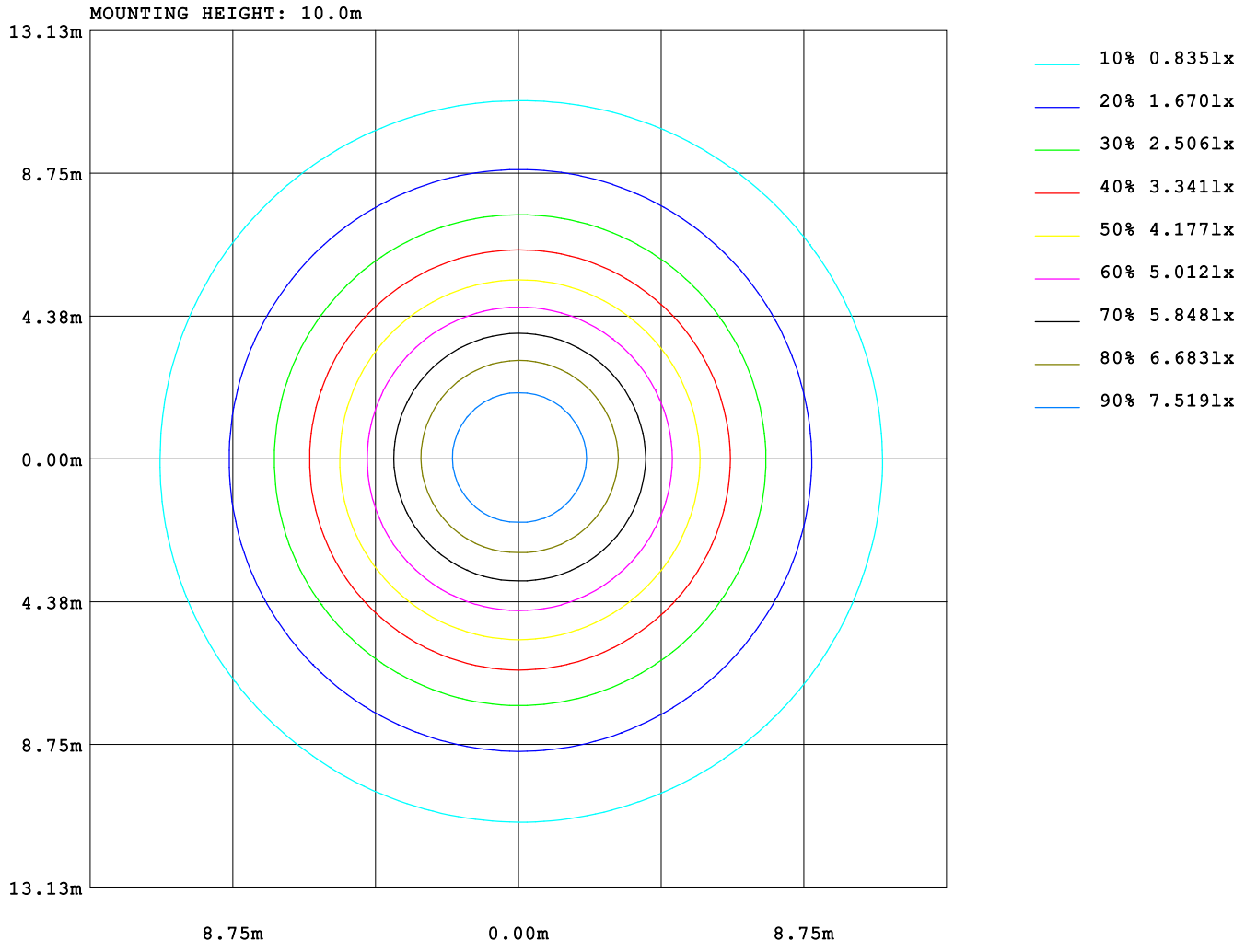
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		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	0.10	0.16	0.21	0.26	0.30	0.34	0.37	0.38	0.39	0.40	0.39	0.37	0.33	0.28	0.21	0.14	0.05	4.70	0.00
70	0.03	0.09	0.14	0.18	0.22	0.26	0.29	0.32	0.34	0.35	0.36	0.36	0.34	0.31	0.27	0.21	0.13	0.05	4.25	0.00
60	0.03	0.08	0.13	0.16	0.20	0.24	0.31	0.44	0.56	0.58	0.50	0.40	0.34	0.30	0.26	0.20	0.13	0.05	4.90	0.00
50	0.03	0.08	0.11	0.15	0.22	0.67	1.68	2.91	3.70	3.75	3.06	1.91	0.86	0.36	0.26	0.20	0.13	0.05	20.1	12.6
40	0.03	0.07	0.10	0.16	0.87	3.14	6.07	8.43	9.74	9.78	8.55	6.28	3.48	1.15	0.30	0.20	0.13	0.05	58.5	55.3
30	0.03	0.07	0.10	0.40	2.69	6.70	10.6	13.7	15.4	15.5	13.8	10.8	6.94	3.08	0.63	0.20	0.13	0.05	101	98.9
	0.03	0.07	0.09	0.96	4.75	9.63	14.3	18.0	20.0	20.0	18.1	14.5	9.90	5.08	1.31	0.22	0.13	0.05	137	136
	0.03	0.06	0.10	1.61	6.23	11.7	16.9	20.9	23.1	23.2	21.1	17.1	12.0	6.54	2.02	0.25	0.13	0.05	163	162
	0.03	0.06	0.12	2.00	6.99	12.7	18.2	22.4	24.7	24.7	22.6	18.5	13.1	7.33	2.43	0.29	0.13	0.05	177	175
	0.03	0.06	0.12	2.01	7.01	12.7	18.2	22.3	24.6	24.7	22.5	18.5	13.1	7.35	2.44	0.29	0.13	0.05	176	175
	0.03	0.07	0.11	1.63	6.28	11.7	16.9	20.8	22.8	22.9	20.9	17.2	12.0	6.59	2.03	0.26	0.13	0.05	163	161
-30	0.03	0.07	0.10	0.98	4.83	9.75	14.4	18.1	20.0	20.1	18.2	14.7	10.0	5.16	1.33	0.22	0.13	0.05	138	137
-40	0.03	0.07	0.11	0.42	2.75	6.86	10.8	14.0	15.7	15.8	14.1	11.0	7.11	3.14	0.65	0.21	0.13	0.05	103	101
-50	0.03	0.08	0.12	0.18	0.91	3.24	6.32	8.77	10.1	10.1	8.89	6.53	3.58	1.19	0.33	0.21	0.13	0.05	60.9	57.6
-60	0.03	0.08	0.13	0.18	0.27	0.73	1.77	3.06	3.91	3.96	3.22	1.99	0.92	0.41	0.29	0.22	0.14	0.05	21.3	13.5
-70	0.03	0.09	0.14	0.20	0.25	0.31	0.41	0.55	0.70	0.72	0.62	0.50	0.42	0.36	0.29	0.22	0.14	0.05	5.99	0.00
-80	0.03	0.10	0.16	0.22	0.28	0.34	0.40	0.45	0.49	0.51	0.49	0.46	0.42	0.37	0.30	0.23	0.14	0.05	5.43	0.00
-90	0.03	0.10	0.17	0.25	0.32	0.38	0.45	0.50	0.54	0.55	0.53	0.50	0.45	0.39	0.32	0.23	0.14	0.05	5.89	0.00
HORIZONTAL(DEG)																				
Φ t	0.53	1.40	2.21	11.9	45.3	91.5	139	176	197	198	178	142	95.4	49.4	15.7	4.06	2.39	0.84	1465	
Φ a	0.00	0.00	0.00	6.56	41.2	87.6	135	172	193	194	174	137	90.9	44.6	9.44	0.00	0.00	0.00		1286

Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

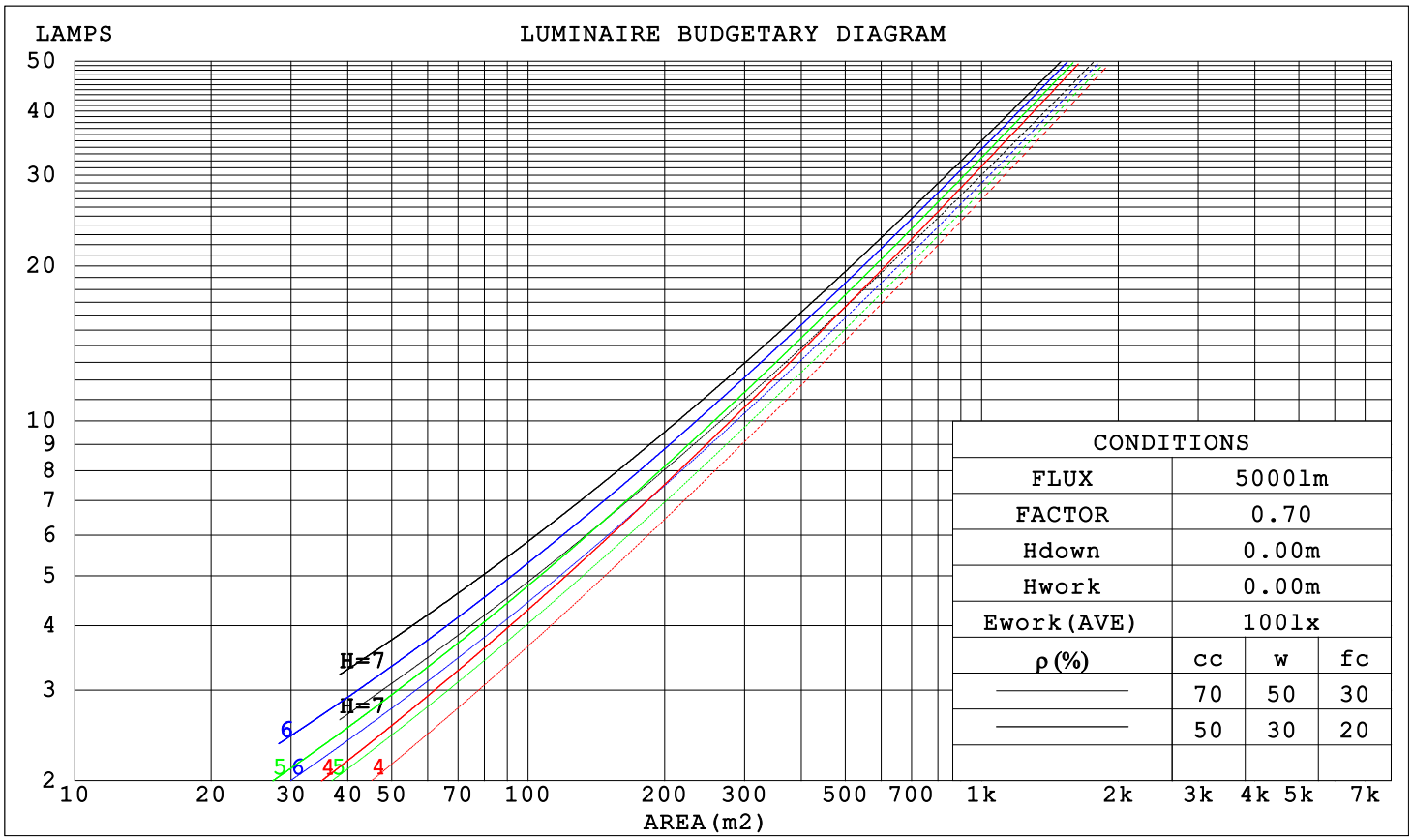
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit		
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036		
NAME: HCP-3225962	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	1.07	1.07	1.07	1.00	1.00	1.00	.95	.95	.95	.92
1.0	1.06	1.03	.00	1.03	1.00	.97	.97	.95	.93	.92	.90	.89	.88	.86	.85	.82
2.0	.96	.91	.86	.93	.89	.85	.89	.85	.81	.84	.81	.79	.80	.78	.76	.73
3.0	.87	.80	.75	.85	.79	.74	.81	.76	.72	.77	.73	.70	.74	.70	.68	.65
4.0	.79	.72	.66	.77	.71	.65	.74	.68	.64	.71	.66	.62	.68	.64	.61	.59
5.0	.72	.64	.59	.70	.63	.58	.67	.62	.57	.65	.60	.56	.62	.58	.55	.53
6.0	.66	.58	.53	.64	.57	.52	.62	.56	.51	.60	.54	.50	.57	.53	.49	.47
7.0	.60	.53	.48	.59	.52	.47	.57	.51	.46	.55	.50	.46	.53	.48	.45	.43
8.0	.56	.48	.43	.55	.48	.43	.53	.47	.42	.51	.45	.41	.49	.44	.41	.39
9.0	.51	.44	.39	.51	.44	.39	.49	.43	.39	.47	.42	.38	.46	.41	.37	.36
10.0	.48	.41	.36	.47	.40	.36	.46	.40	.35	.44	.39	.35	.43	.38	.34	.33



Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

WEC AND CCEC

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		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	.233	.132	.042	.223	.127	.040	.206	.118	.038	.190	.110	.035	.175	.102	.033	
2.0	.222	.122	.037	.214	.118	.036	.198	.110	.034	.184	.103	.032	.171	.097	.031	
3.0	.210	.112	.033	.203	.109	.033	.189	.103	.031	.177	.097	.030	.165	.092	.028	
4.0	.199	.103	.030	.192	.101	.030	.180	.096	.029	.169	.091	.027	.159	.086	.026	
5.0	.188	.096	.028	.182	.093	.027	.171	.089	.026	.161	.085	.025	.152	.081	.024	
6.0	.178	.089	.025	.172	.087	.025	.163	.083	.024	.153	.080	.023	.145	.076	.023	
7.0	.168	.083	.024	.163	.081	.023	.155	.078	.023	.146	.075	.022	.138	.072	.021	
8.0	.159	.078	.022	.155	.076	.022	.147	.073	.021	.139	.071	.020	.132	.068	.020	
9.0	.151	.073	.020	.147	.072	.020	.140	.069	.020	.133	.067	.019	.126	.064	.019	
10.0	.144	.069	.019	.140	.068	.019	.133	.065	.018	.127	.063	.018	.121	.061	.017	

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	.147	.147	.147	.084	.084	.084	.027	.027	.027	
1.0	.236	.218	.202	.202	.187	.174	.138	.129	.120	.080	.075	.070	.025	.024	.023	
2.0	.225	.194	.168	.192	.167	.145	.132	.116	.101	.076	.067	.059	.024	.022	.019	
3.0	.215	.176	.145	.184	.152	.126	.127	.105	.088	.073	.062	.052	.023	.020	.017	
4.0	.207	.162	.128	.177	.140	.111	.122	.098	.078	.071	.057	.046	.023	.019	.015	
5.0	.199	.151	.116	.171	.131	.101	.118	.092	.071	.068	.054	.042	.022	.018	.014	
6.0	.193	.143	.107	.166	.124	.093	.114	.087	.066	.066	.051	.039	.021	.017	.013	
7.0	.187	.136	.100	.161	.118	.087	.111	.083	.062	.064	.049	.037	.021	.016	.012	
8.0	.181	.130	.095	.156	.113	.083	.108	.079	.059	.063	.047	.035	.020	.015	.012	
9.0	.176	.125	.091	.152	.109	.079	.105	.076	.056	.061	.045	.034	.020	.015	.011	
10.0	.171	.121	.088	.147	.105	.077	.102	.074	.054	.060	.044	.032	.019	.014	.011	

Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

UGR Table

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		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	22.8	23.9	23.1	24.2	24.6	22.7	23.9	23.1	24.2	24.5
3H	22.6	23.7	23.0	24.0	24.4	22.5	23.6	22.9	23.9	24.3
4H	22.6	23.6	23.0	23.9	24.3	22.5	23.5	22.9	23.9	24.3
6H	22.6	23.5	23.1	23.9	24.4	22.6	23.5	23.0	23.9	24.3
8H	22.7	23.6	23.2	24.0	24.4	22.7	23.6	23.1	24.0	24.4
12H	22.9	23.8	23.4	24.2	24.6	22.9	23.7	23.3	24.1	24.6
4H 2H	22.5	23.5	23.0	23.9	24.3	22.5	23.5	22.9	23.9	24.2
3H	22.4	23.3	22.9	23.7	24.1	22.4	23.2	22.8	23.6	24.1
4H	22.5	23.2	22.9	23.7	24.1	22.4	23.2	22.9	23.6	24.1
6H	22.6	23.3	23.1	23.8	24.3	22.6	23.3	23.1	23.7	24.2
8H	22.8	23.4	23.3	23.9	24.5	22.8	23.4	23.3	23.9	24.4
12H	23.2	23.7	23.7	24.3	24.8	23.2	23.7	23.7	24.2	24.8
8H 4H	22.4	23.0	22.9	23.5	24.0	22.3	22.9	22.9	23.4	24.0
6H	22.7	23.2	23.2	23.7	24.3	22.7	23.2	23.2	23.7	24.3
8H	23.0	23.5	23.6	24.0	24.6	23.0	23.4	23.6	24.0	24.6
12H	23.6	24.0	24.2	24.6	25.2	23.6	24.0	24.2	24.6	25.2
12H 4H	22.4	22.9	22.9	23.4	24.0	22.3	22.9	22.9	23.4	23.9
6H	22.7	23.2	23.3	23.7	24.3	22.7	23.1	23.3	23.7	24.3
8H	23.1	23.5	23.7	24.1	24.7	23.1	23.5	23.7	24.1	24.7

Variations with the observer position at spacings:		
S = 1.0H	+ 1.3 / - 2.0	+ 1.3 / - 2.1
1.5H	+ 0.7 / - 1.6	+ 0.7 / - 1.7
2.0H	+ 3.1 / - 3.6	+ 3.1 / - 3.5

CIE Pub.117 Corrected 1465 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.3)

Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		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	67	57	52	66	57	52	65	56	51	46
0.80	77	68	62	76	67	62	74	66	61	55
1.00	85	76	70	83	75	70	81	75	69	63
1.25	91	83	77	89	82	77	86	80	75	69
1.50	95	87	82	93	86	81	89	84	80	73
2.00	100	93	89	98	92	87	94	89	85	77
2.50	103	97	92	100	95	91	96	91	88	79
3.00	105	100	95	102	98	94	97	94	91	81
4.00	108	103	100	105	101	98	100	97	94	84
5.00	109	105	102	106	103	100	101	98	96	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

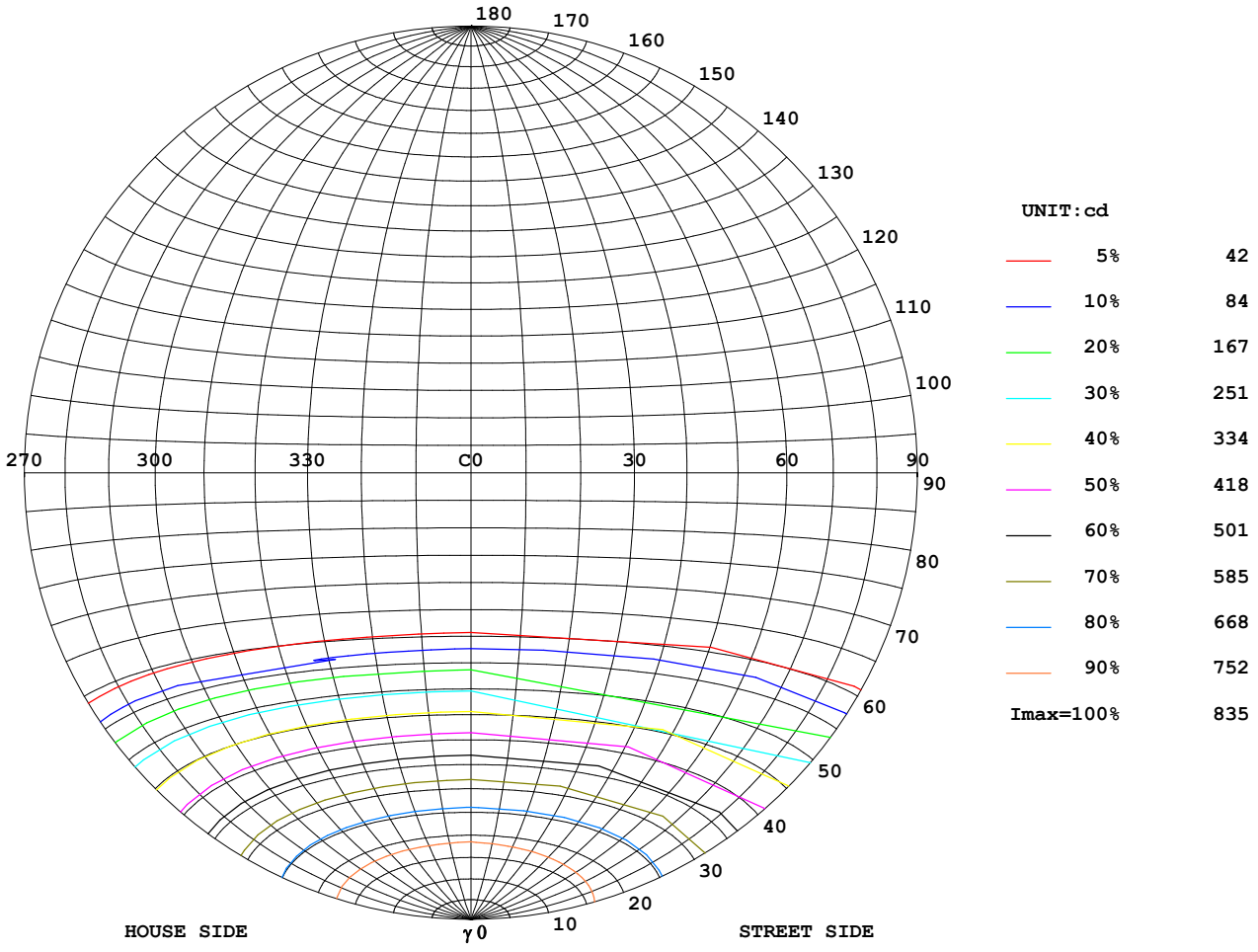
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



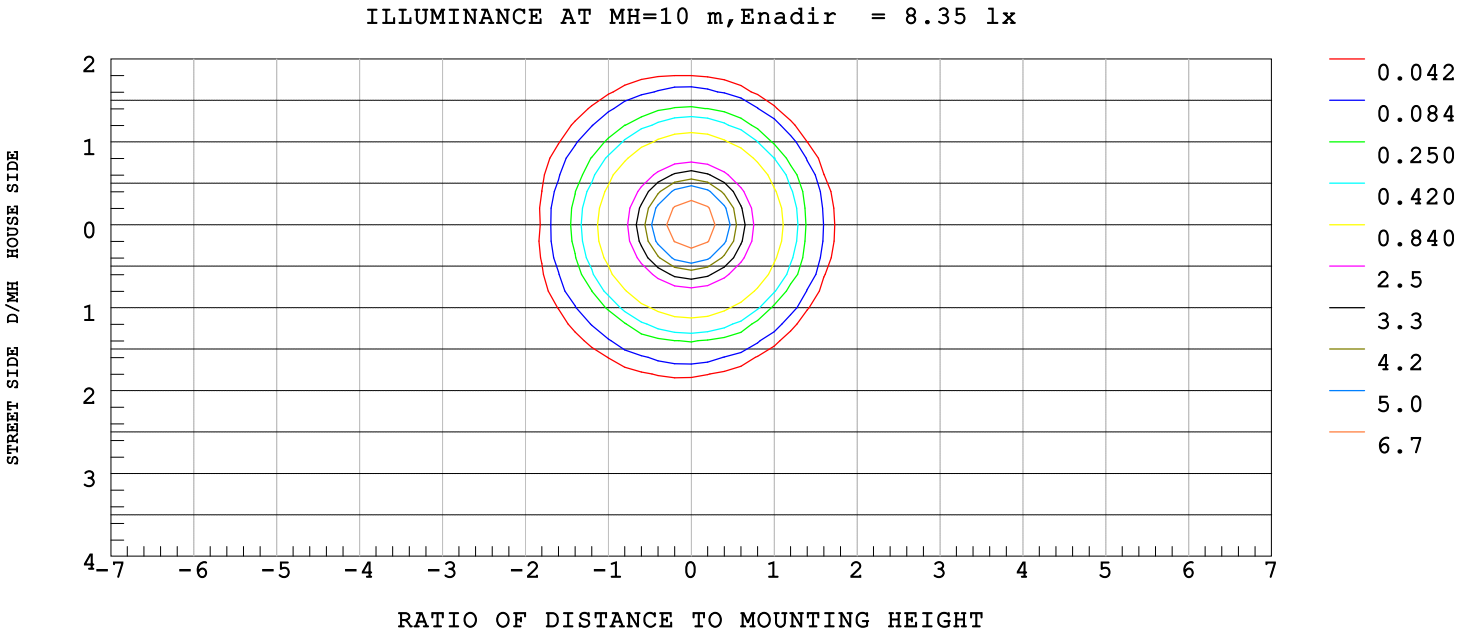
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

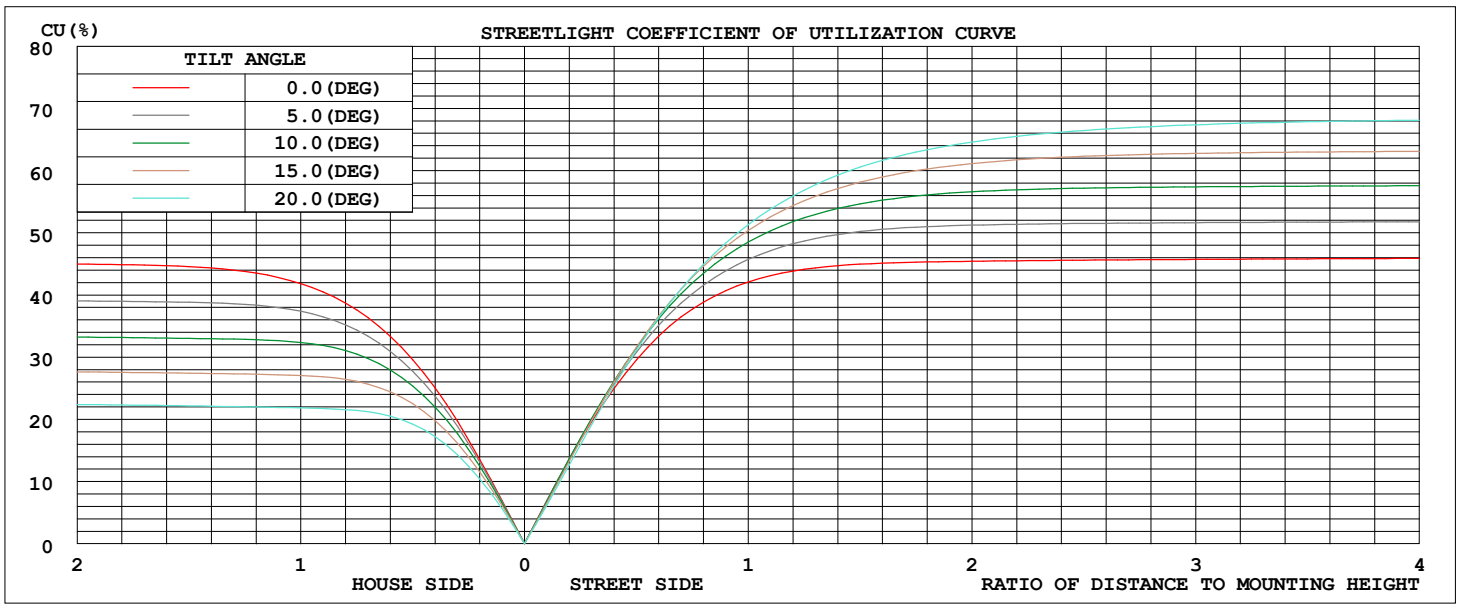
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:





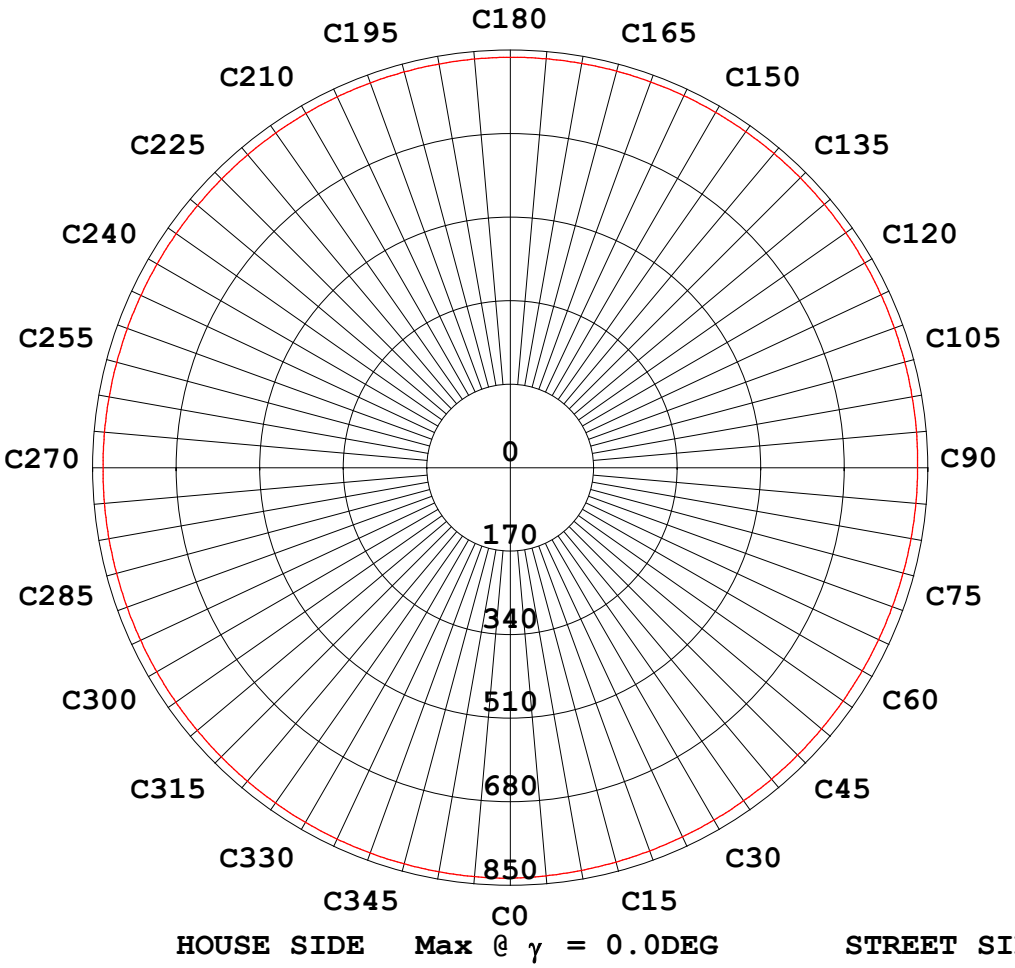
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225962		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG) \ C(DEG)	0	90	180	270
0.0	835	829	835	829
5.0	831	822	828	824
10.0	813	803	808	807
15.0	782	763	774	777
20.0	738	717	728	732
25.0	682	673	670	672
30.0	615	611	601	602
35.0	536	532	521	521
40.0	446	442	430	430
45.0	348	345	331	330
50.0	244	243	226	227
55.0	143	122	104	128
60.0	51.6	51.0	30.1	45.9
65.0	17.2	20.1	5.59	15.3
70.0	16.6	16.3	6.77	11.2
75.0	16.7	16.5	7.95	11.2
80.0	17.0	17.2	9.21	11.7
85.0	17.6	18.0	10.6	12.7
90.0	18.1	18.9	12.2	13.7
95.0	18.6	19.5	13.5	14.6
100.0	19.0	20.0	14.7	15.4
105.0	19.3	20.3	15.8	16.1
110.0	19.5	20.3	16.7	16.8
115.0	19.6	20.0	17.5	17.4
120.0	19.5	19.5	18.2	17.9
125.0	19.2	18.9	18.6	18.3
130.0	19.0	18.5	19.0	18.3
135.0	18.9	18.3	18.9	18.3
140.0	18.9	18.3	18.9	18.3
145.0	18.8	18.2	18.8	18.2
150.0	18.8	18.2	18.8	18.2
155.0	18.7	18.1	18.7	18.1
160.0	18.7	18.1	18.7	18.1
165.0	18.7	18.0	18.7	18.0
170.0	18.6	18.0	18.6	18.0
175.0	18.6	18.0	18.6	18.0
180.0	18.5	18.0	18.5	18.0

Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-2700K-9.6W