

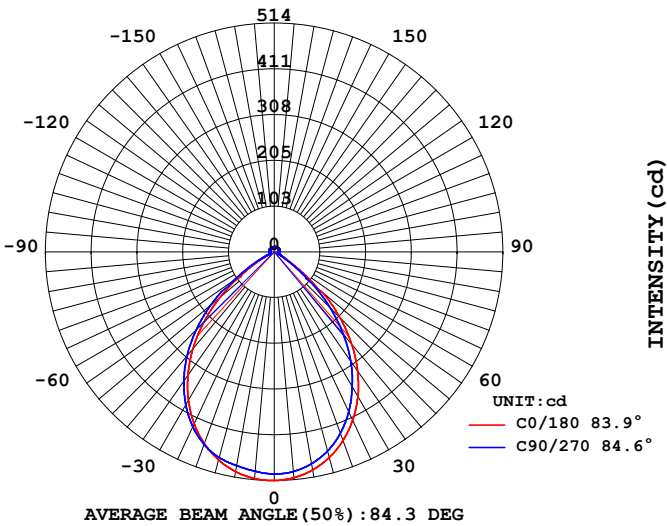
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

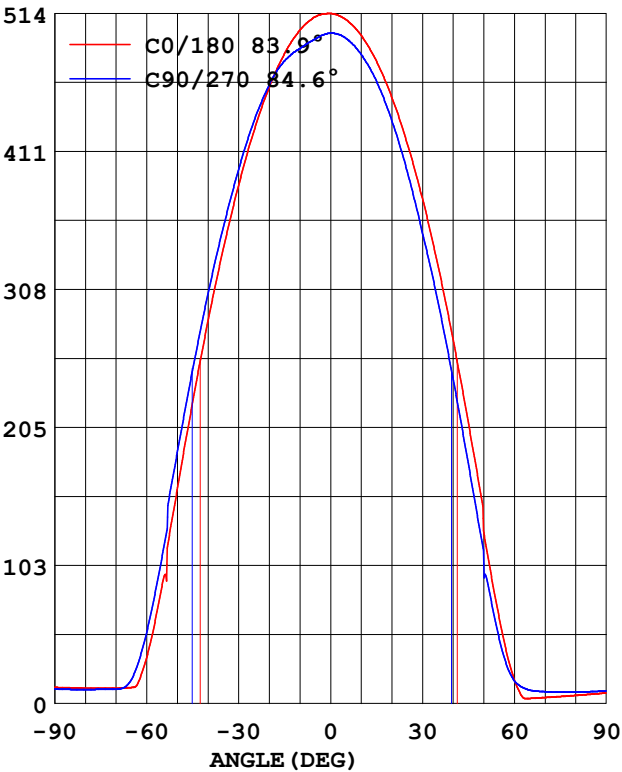
MANUFACTURER: Havit					
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036					
NAME: HCP-3225485			TYPE:		WEIGHT:
SPECIFICATION:	CCT (K) : 1000980		DIMENSION:		SERIAL No.:

DATA OF LAMP		Imax(cd)	513.7	S/MH (C0/180)	1.14
MODEL	24V-2835-180D-5000K-4.8W	EFFICIENCY(%)	100.0	S/MH (C90/270)	1.19
NOMINAL POWER(W)	4.8	TOTAL FLUX(lm)	919.9	Voltage(V)	24.03
RATED VOLTAGE(V)	24	EFFICIENCY (lm/W)	191.7	Current(A)	0.235
NOMINAL FLUX(lm)	919.9	η up (%)	8.0	Power(W)	4.800
LAMPS QUANTITY	1	η down (%)	92.0	Power Factor (PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	806.5	EEI	0.074

LUMINOUS INTENSITY DISTRIBUTION



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-5000K-4.8W

Color Temperature Data List

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225485		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 1000980	DIMENSION:	SERIAL No. :

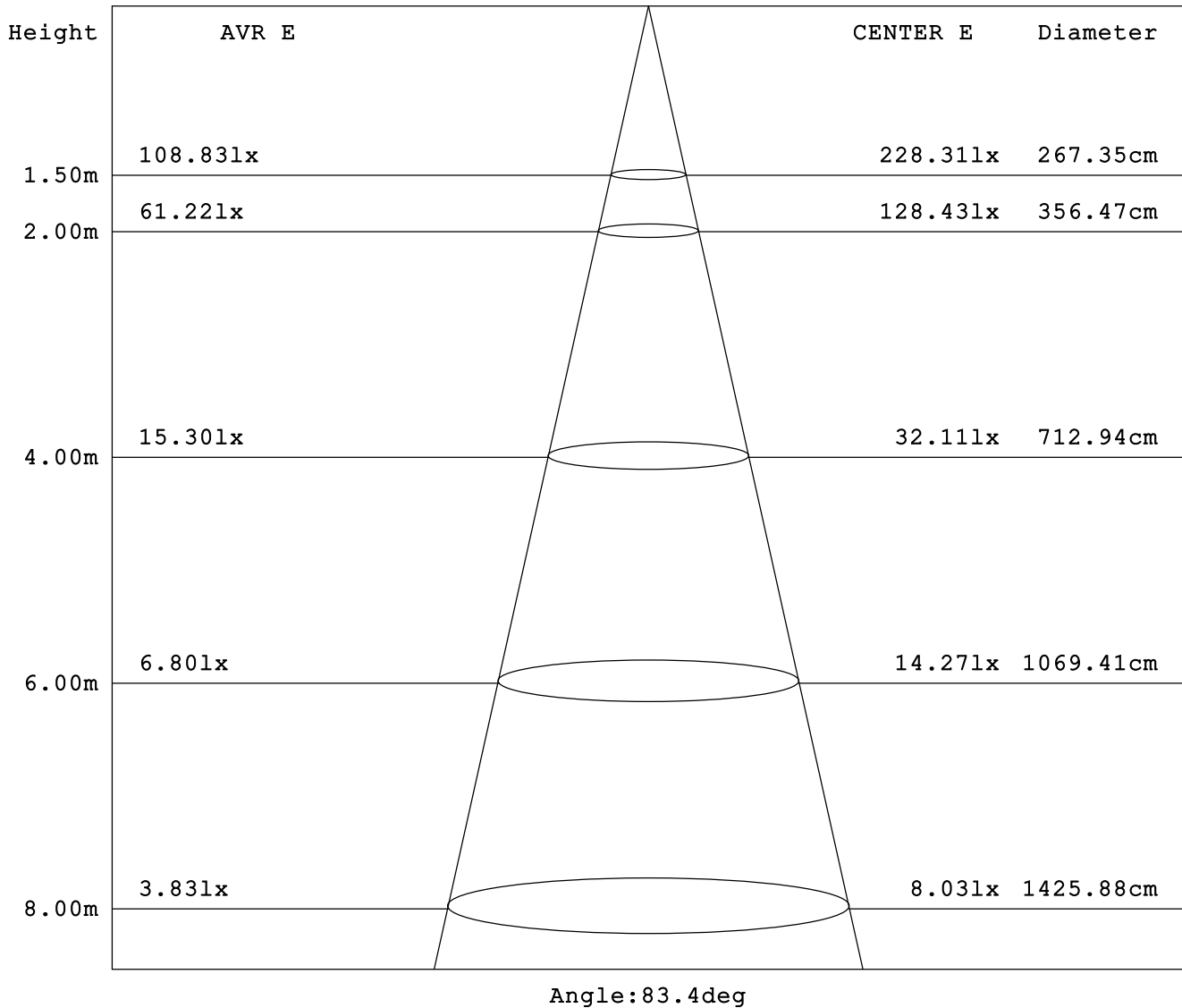
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-5000K-4.8W

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville, NSW2036			
NAME: HCP-3225485		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-5000K-4.8W

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225485		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 1000980	DIMENSION:	SERIAL No. :

γ	C0	C90	C180	C270					γ	Zone	total
5.0	511.1	494.6	509.1	495.2					0- 5	11.58	11.58
10.0	501.6	487.7	497.9	483.7					5- 10	34.19	45.78
15.0	484.9	478.9	479.4	464.7					10- 15	55.27	101.0
20.0	460.8	462.4	453.7	436.6					15- 20	73.71	174.7
25.0	429.5	436.4	420.7	400.2					20- 25	88.26	263.0
30.0	390.6	402.0	380.9	356.3					25- 30	97.93	360.9
35.0	345.3	360.6	334.1	307.4					30- 35	101.9	462.9
40.0	293.6	313.0	280.5	251.2					35- 40	99.87	562.8
45.0	235.6	258.7	220.5	189.8					40- 45	91.15	653.9
50.0	172.6	199.3	156.3	125.8					45- 50	75.91	729.8
55.0	96.04	122.4	77.25	60.05					50- 55	52.85	782.7
60.0	44.75	64.84	26.41	21.46					55- 60	28.15	810.8
65.0	12.45	24.14	3.611	10.91					60- 65	11.15	822.0
70.0	11.44	10.95	4.260	8.967					65- 70	4.975	827.0
75.0	11.23	10.63	4.990	8.480					70- 75	4.484	831.5
80.0	11.32	10.38	5.761	8.439					75- 80	4.635	836.1
85.0	11.52	10.42	6.614	8.724					80- 85	4.842	840.9
90.0	11.84	10.71	7.506	9.170					85- 90	5.122	846.1
95.0	12.17	10.99	8.358	9.657					90- 95	5.400	851.5
100.0	12.41	11.23	9.129	10.18					95-100	5.622	857.1
105.0	12.57	11.40	9.779	10.63					100-105	5.766	862.9
110.0	12.70	11.52	10.38	11.03					105-110	5.832	868.7
115.0	12.74	11.64	10.91	11.32					110-115	5.808	874.5
120.0	12.65	11.60	11.36	11.40					115-120	5.686	880.2
125.0	12.49	11.52	11.72	11.60					120-125	5.491	885.7
130.0	12.29	11.40	12.01	11.68					125-130	5.217	890.9
135.0	12.21	11.64	12.21	11.64					130-135	4.901	895.8
140.0	12.13	11.60	12.13	11.60					135-140	4.541	900.3
145.0	12.09	11.56	12.09	11.56					140-145	4.124	904.5
150.0	12.05	11.56	12.05	11.56					145-150	3.683	908.1
155.0	12.01	11.52	12.01	11.52					150-155	3.217	911.4
160.0	12.01	11.48	12.01	11.48					155-160	2.732	914.1
165.0	11.97	11.44	11.97	11.44					160-165	2.229	916.3
170.0	11.92	11.44	11.92	11.44					165-170	1.715	918.0
175.0	11.88	11.40	11.88	11.40					170-175	1.189	919.2
180.0	11.88	11.36	11.88	11.36					175-180	0.659	919.9
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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

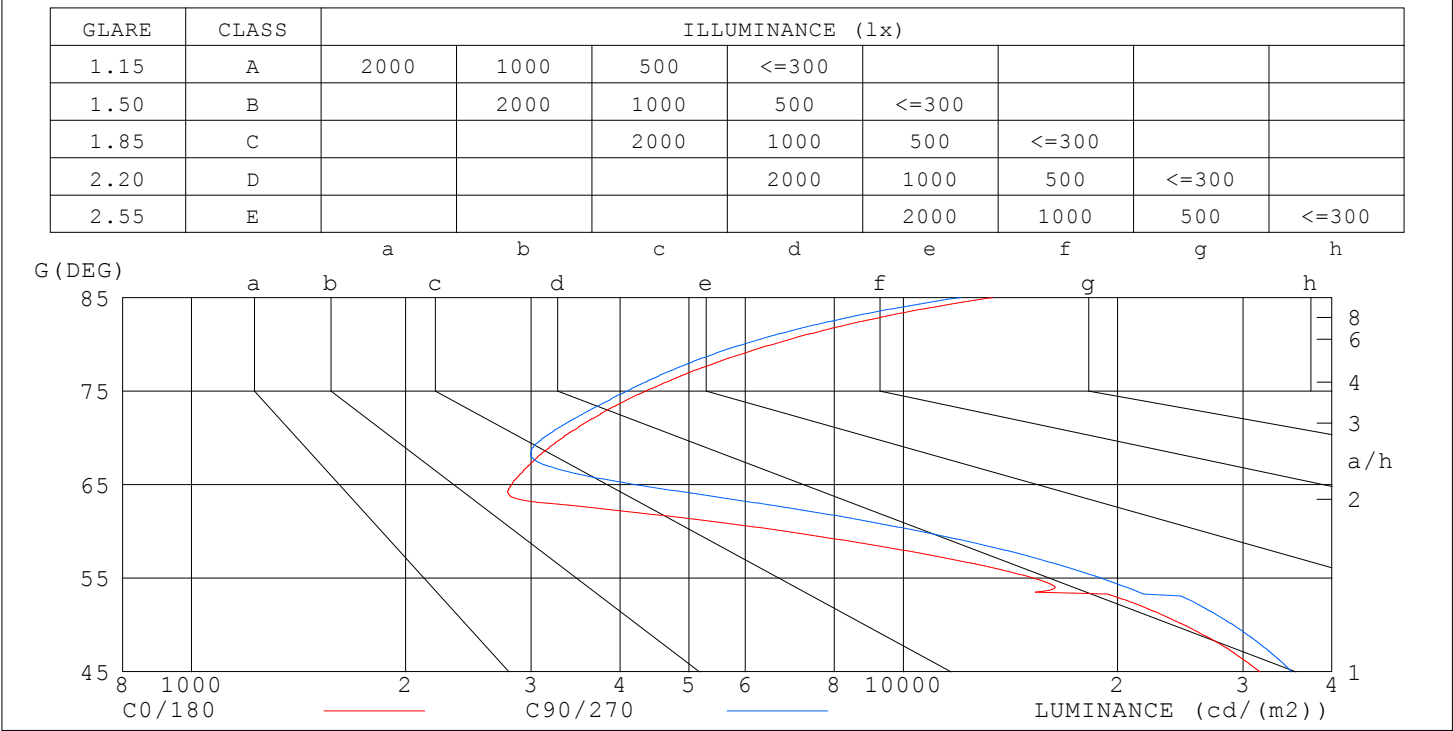
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-5000K-4.8W

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225485		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 1000980	DIMENSION:	SERIAL No.:

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	13362	12058
80	6543	5959
75	4343	4092
70	3322	3120
65	2823	4301
60	7004	10753
55	15429	19172
50	24998	29259
45	31866	35263

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

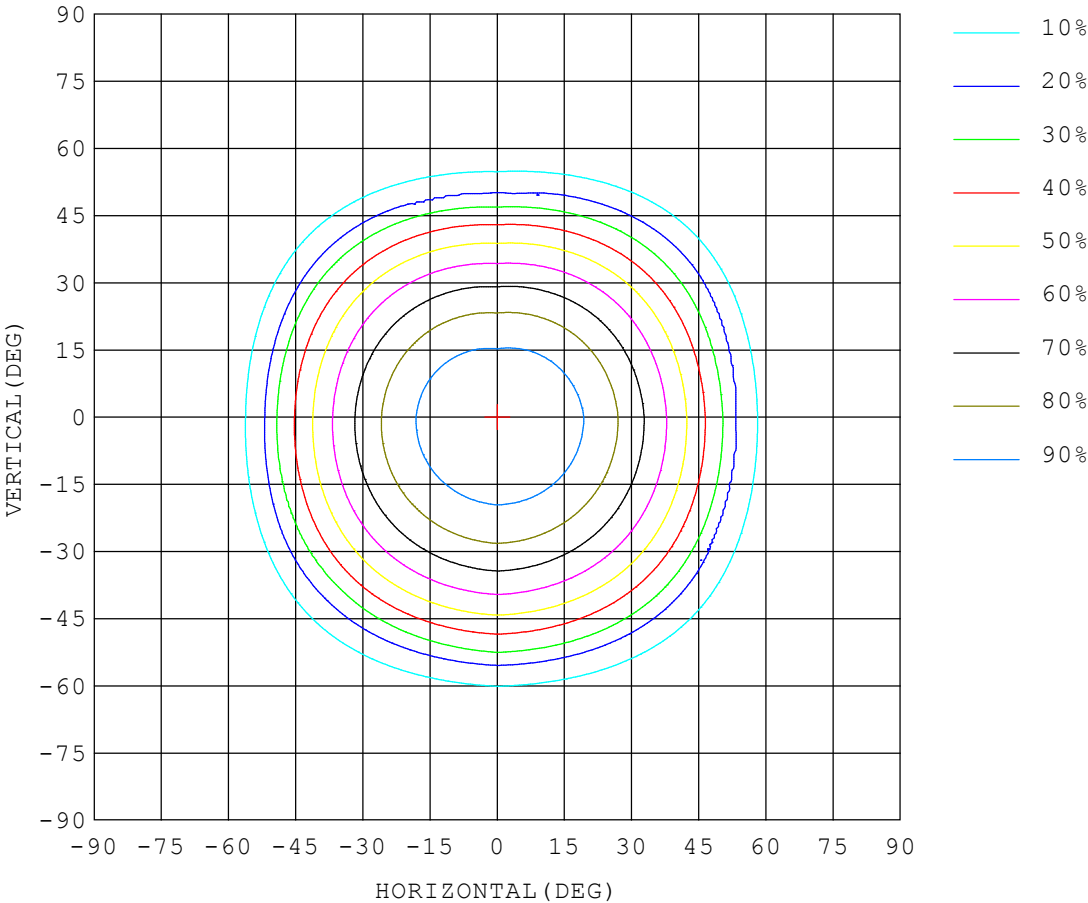
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-5000K-4.8W

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225485		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 1000980	DIMENSION:	SERIAL No.:

UNIT: cd



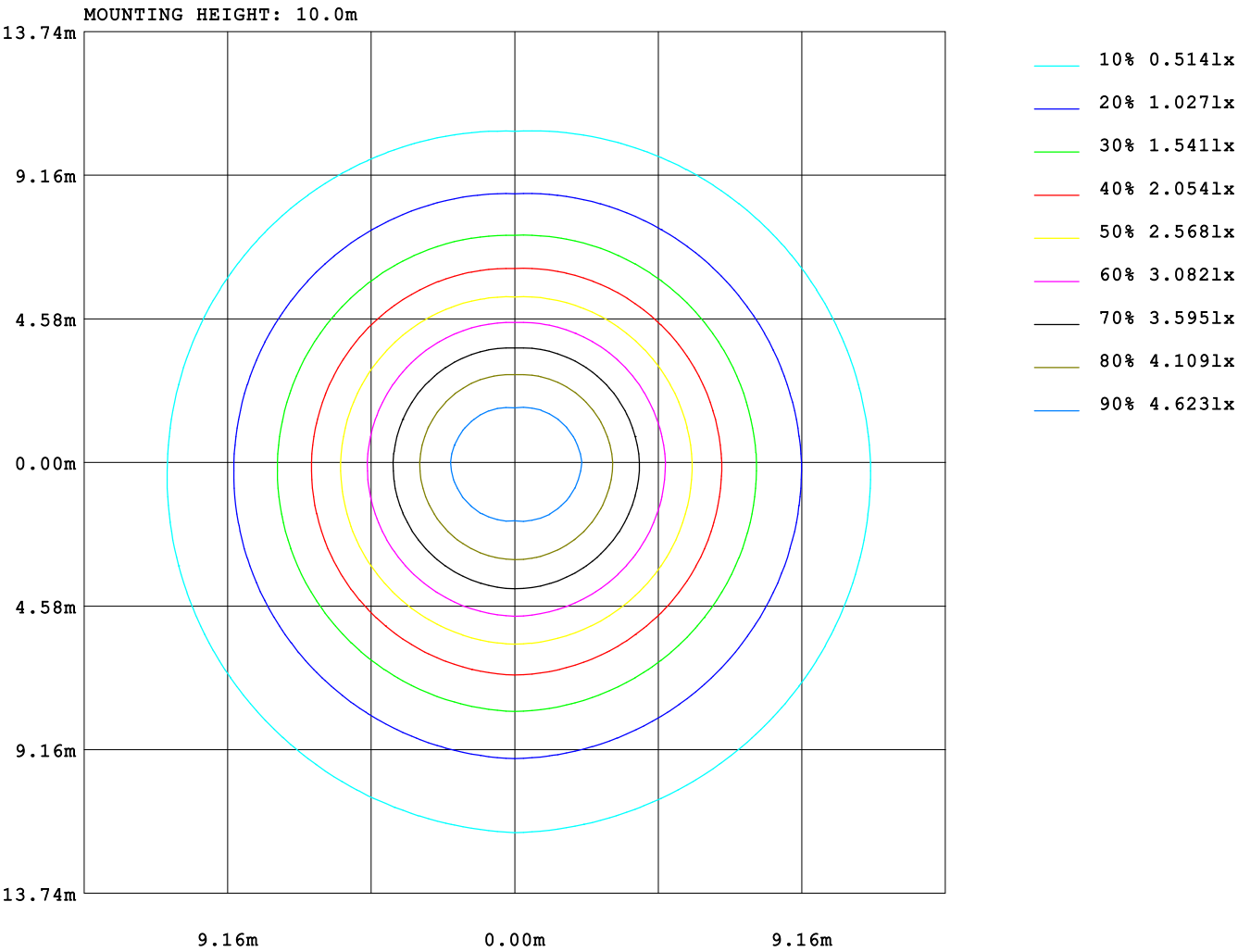
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-5000K-4.8W

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225485		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-5000K-4.8W

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: Havit																			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036																			
NAME: HCP-3225485										TYPE:					WEIGHT:				
SPECIFICATION:					CCT (K) : 1000980					DIMENSION:					SERIAL No.:				

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.02	0.06	0.10	0.14	0.17	0.21	0.23	0.25	0.27	0.27	0.27	0.27	0.25	0.22	0.19	0.14	0.09	0.03	3.19	0.00		
90	0.02	0.06	0.09	0.13	0.15	0.18	0.21	0.23	0.25	0.26	0.26	0.26	0.24	0.21	0.18	0.14	0.09	0.03	3.00	0.00		
80	0.02	0.06	0.09	0.11	0.14	0.18	0.22	0.27	0.32	0.33	0.32	0.28	0.25	0.22	0.18	0.14	0.09	0.03	3.22	0.00		
70	0.02	0.05	0.08	0.10	0.15	0.33	0.77	1.27	1.57	1.62	1.40	0.93	0.47	0.24	0.18	0.14	0.09	0.03	9.46	4.37		
60	0.02	0.05	0.07	0.10	0.45	1.57	3.21	4.62	5.34	5.37	4.74	3.45	1.86	0.66	0.21	0.14	0.09	0.03	32.0	29.8		
50	0.02	0.05	0.07	0.22	1.42	3.86	6.27	8.08	8.99	9.02	8.18	6.44	4.13	1.76	0.39	0.14	0.09	0.03	59.2	57.8		
40	0.02	0.04	0.06	0.55	2.73	5.84	8.67	10.8	11.8	11.9	10.9	8.84	6.08	3.10	0.80	0.15	0.09	0.03	82.5	81.5		
30	0.02	0.04	0.07	0.92	3.80	7.22	10.3	12.7	13.9	13.9	12.8	10.5	7.46	4.13	1.25	0.17	0.09	0.03	99.6	98.7		
	0.02	0.04	0.08	1.15	4.39	7.98	11.2	13.7	15.0	15.0	13.9	11.4	8.24	4.71	1.55	0.20	0.09	0.03	109	108		
	0.02	0.04	0.08	1.20	4.47	8.09	11.4	13.8	15.0	15.0	14.0	11.6	8.35	4.79	1.59	0.20	0.09	0.03	110	109		
	0.02	0.04	0.08	1.03	4.05	7.55	10.7	13.1	14.3	14.3	13.2	10.9	7.80	4.39	1.37	0.18	0.09	0.03	103	103		
-30	0.02	0.05	0.07	0.69	3.14	6.41	9.38	11.6	12.9	12.9	11.7	9.54	6.64	3.51	0.94	0.16	0.09	0.03	89.9	88.9		
-40	0.02	0.05	0.07	0.33	1.88	4.66	7.30	9.33	10.5	10.5	9.44	7.47	4.94	2.22	0.50	0.15	0.09	0.03	69.5	68.2		
-50	0.02	0.05	0.08	0.14	0.75	2.36	4.51	6.27	7.29	7.33	6.40	4.74	2.66	0.96	0.24	0.14	0.09	0.03	44.1	42.2		
-60	0.02	0.05	0.08	0.12	0.21	0.66	1.54	2.55	3.29	3.34	2.68	1.70	0.81	0.31	0.20	0.14	0.09	0.03	17.8	14.1		
-70	0.02	0.06	0.09	0.13	0.16	0.21	0.31	0.48	0.64	0.66	0.53	0.38	0.28	0.24	0.19	0.14	0.09	0.03	4.63	0.00		
-80	0.02	0.06	0.10	0.14	0.17	0.21	0.25	0.28	0.31	0.32	0.31	0.30	0.27	0.23	0.19	0.14	0.09	0.03	3.44	0.00		
-90	0.02	0.06	0.11	0.15	0.19	0.23	0.26	0.29	0.31	0.32	0.32	0.30	0.27	0.24	0.20	0.15	0.09	0.03	3.55	0.00		
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																						
Φ t	0.34	0.91	1.46	7.35	28.4	57.8	86.9	110	122	123	112	89.5	61.0	32.1	10.3	2.76	1.59	0.55	920			
Φ a	0.00	0.00	0.00	3.97	25.8	55.2	84.4	107	120	120	109	86.7	58.1	29.1	6.39	0.00	0.00	0.00		806		

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

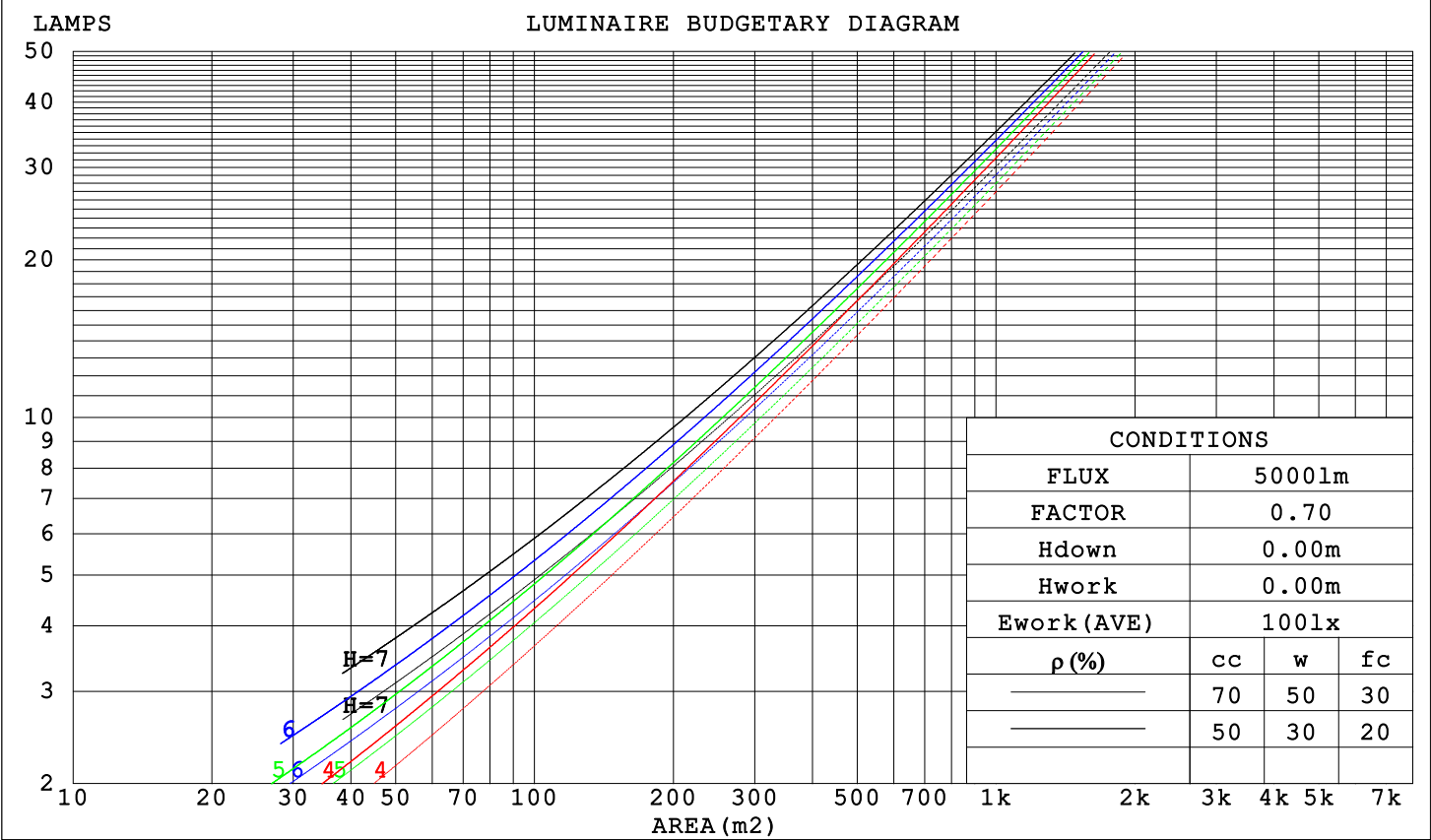
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-5000K-4.8W

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Havit															
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036															
NAME: HCP-3225485								TYPE:				WEIGHT:			
SPECIFICATION:				CCT (K) : 1000980				DIMENSION:				SERIAL No.:			

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	.00	.97	.97	.95	.93	.92	.90	.89	.87	.86	.85	.82
2.0	.96	.90	.86	.93	.88	.84	.88	.85	.81	.84	.81	.78	.80	.78	.75	.73
3.0	.87	.80	.75	.84	.79	.74	.81	.76	.72	.77	.73	.69	.74	.70	.67	.65
4.0	.79	.71	.66	.77	.70	.65	.73	.68	.63	.70	.66	.62	.67	.63	.60	.58
5.0	.71	.64	.59	.70	.63	.58	.67	.61	.57	.64	.59	.55	.62	.58	.54	.52
6.0	.65	.58	.52	.64	.57	.52	.62	.55	.51	.59	.54	.50	.57	.52	.49	.47
7.0	.60	.52	.47	.59	.52	.47	.57	.50	.46	.55	.49	.45	.53	.48	.44	.42
8.0	.55	.48	.43	.54	.47	.42	.52	.46	.42	.51	.45	.41	.49	.44	.40	.39
9.0	.51	.44	.39	.50	.43	.39	.49	.42	.38	.47	.41	.38	.46	.41	.37	.35
10.0	.47	.40	.36	.47	.40	.35	.45	.39	.35	.44	.38	.35	.42	.38	.34	.32



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-5000K-4.8W

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER: Havit															
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036															
NAME: HCP-3225485								TYPE:				WEIGHT:			
SPECIFICATION:				CCT (K) : 1000980				DIMENSION:				SERIAL No.:			

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.235	.133	.042	.225	.129	.041	.208	.119	.038	.192	.111	.036	.177	.103	.033	
2.0	.223	.122	.038	.215	.119	.037	.200	.111	.035	.186	.104	.033	.173	.098	.031	
3.0	.212	.113	.034	.204	.109	.033	.191	.103	.031	.178	.098	.030	.167	.092	.029	
4.0	.200	.104	.031	.194	.101	.030	.181	.096	.029	.170	.091	.028	.160	.087	.026	
5.0	.189	.096	.028	.183	.094	.027	.172	.090	.026	.162	.086	.025	.153	.082	.025	
6.0	.179	.090	.026	.173	.088	.025	.164	.084	.024	.154	.080	.024	.146	.077	.023	
7.0	.169	.084	.024	.164	.082	.023	.155	.079	.023	.147	.075	.022	.139	.072	.021	
8.0	.160	.078	.022	.156	.077	.022	.148	.074	.021	.140	.071	.020	.133	.068	.020	
9.0	.152	.074	.021	.148	.072	.020	.141	.070	.020	.134	.067	.019	.127	.064	.019	
10.0	.144	.069	.019	.141	.068	.019	.134	.066	.018	.127	.063	.018	.121	.061	.018	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.252	.252	.252	.215	.215	.215	.147	.147	.147	.084	.084	.084	.027	.027	.027	
1.0	.237	.218	.202	.203	.187	.174	.139	.129	.120	.080	.075	.070	.026	.024	.023	
2.0	.225	.194	.168	.193	.167	.146	.132	.116	.101	.076	.067	.059	.024	.022	.019	
3.0	.216	.176	.145	.185	.152	.126	.127	.106	.088	.073	.062	.052	.024	.020	.017	
4.0	.207	.163	.128	.178	.140	.111	.122	.098	.078	.071	.057	.046	.023	.019	.015	
5.0	.200	.152	.116	.172	.131	.101	.118	.092	.071	.069	.054	.042	.022	.018	.014	
6.0	.193	.143	.107	.166	.124	.093	.115	.087	.066	.067	.051	.039	.021	.017	.013	
7.0	.187	.136	.100	.161	.118	.088	.111	.083	.062	.065	.049	.037	.021	.016	.012	
8.0	.182	.131	.095	.157	.113	.083	.108	.079	.059	.063	.047	.035	.020	.015	.012	
9.0	.177	.126	.091	.152	.109	.080	.105	.077	.057	.061	.045	.034	.020	.015	.011	
10.0	.172	.121	.088	.148	.105	.077	.103	.074	.055	.060	.044	.033	.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-5000K-4.8W

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR Table

Report number:

MANUFACTURER: Havit										
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036										
NAME: HCP-3225485					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	22.8	22.0	23.1	23.4	22.2	23.3	22.5	23.7	24.0
3H	21.5	22.5	21.8	22.9	23.2	22.0	23.1	22.4	23.4	23.8
4H	21.4	22.4	21.8	22.8	23.2	22.0	23.0	22.4	23.3	23.7
6H	21.5	22.4	21.9	22.8	23.2	22.0	22.9	22.4	23.3	23.7
8H	21.6	22.5	22.0	22.9	23.3	22.0	22.9	22.5	23.3	23.8
12H	21.7	22.6	22.2	23.0	23.5	22.1	23.0	22.6	23.4	23.9
4H 2H	21.5	22.4	21.9	22.8	23.2	22.0	23.0	22.4	23.3	23.7
3H	21.3	22.2	21.8	22.6	23.1	21.9	22.7	22.3	23.1	23.6
4H	21.4	22.1	21.8	22.6	23.1	21.9	22.6	22.3	23.1	23.5
6H	21.5	22.2	22.0	22.7	23.2	21.9	22.6	22.5	23.1	23.6
8H	21.7	22.3	22.2	22.8	23.4	22.1	22.7	22.6	23.2	23.7
12H	22.0	22.6	22.6	23.1	23.7	22.3	22.9	22.9	23.4	24.0
8H 4H	21.3	21.9	21.8	22.4	22.9	21.8	22.4	22.3	22.9	23.4
6H	21.6	22.1	22.1	22.6	23.2	22.0	22.5	22.5	23.0	23.6
8H	21.9	22.3	22.4	22.9	23.5	22.2	22.6	22.8	23.2	23.8
12H	22.4	22.8	23.0	23.4	24.0	22.6	23.0	23.2	23.6	24.2
12H 4H	21.2	21.8	21.8	22.3	22.9	21.7	22.3	22.3	22.8	23.4
6H	21.6	22.0	22.2	22.6	23.2	22.0	22.4	22.6	23.0	23.6
8H	22.0	22.3	22.6	22.9	23.6	22.3	22.7	22.9	23.2	23.9
Variations with the observer position at spacings:										
S = 1.0H	+ 1.3 / - 1.9					+ 1.2 / - 1.7				
1.5H	+ 0.6 / - 1.3					+ 0.7 / - 1.4				
2.0H	+ 2.9 / - 3.7					+ 2.8 / - 4.2				

CIE Pub.117 Corrected 919.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -0.3)

Test System: HOPOO HP880
 Temperature: 25.3 DEG
 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-5000K-4.8W

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville, NSW2036			
NAME: HCP-3225485		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) $k(RI) \times RCR = 5$									
$k = 0.60$	67	57	51	66	57	51	64	56	51	45
0.80	77	67	61	75	67	61	73	66	60	55
1.00	84	76	70	83	75	69	80	75	69	62
1.25	90	82	77	89	81	76	86	79	75	68
1.50	95	87	82	93	86	81	89	83	79	72
2.00	100	93	88	97	92	87	93	89	85	77
2.50	102	96	92	100	95	90	95	91	88	79
3.00	105	99	95	102	97	94	97	94	90	81
4.00	108	103	99	105	101	97	99	96	94	83
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		

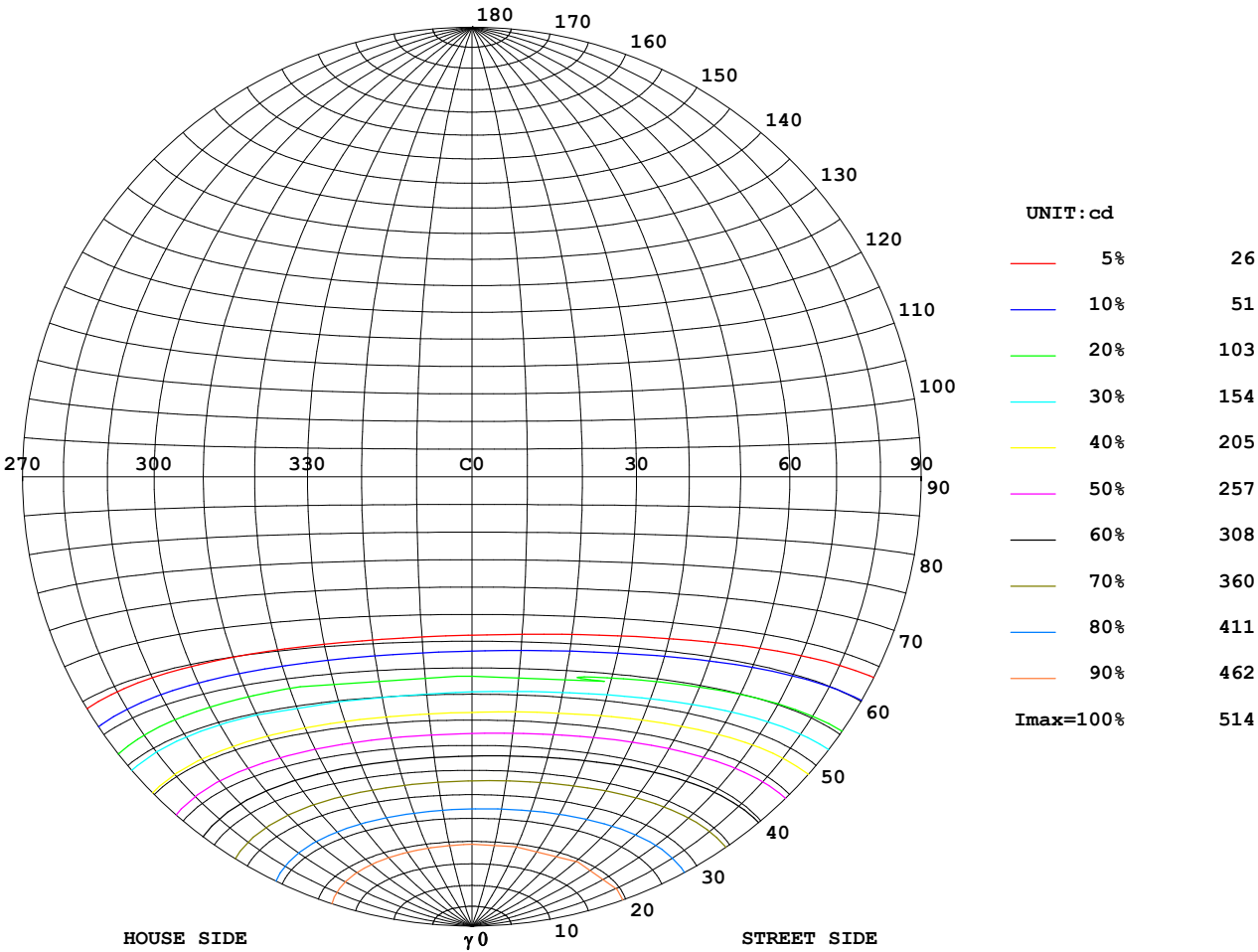
Test System: HOPOO HP880
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2023年08月12日

Test Set: 6.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 6.370 m
 Remarks: 24V-2835-180D-5000K-4.8W

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville, NSW2036			
NAME: HCP-3225485		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

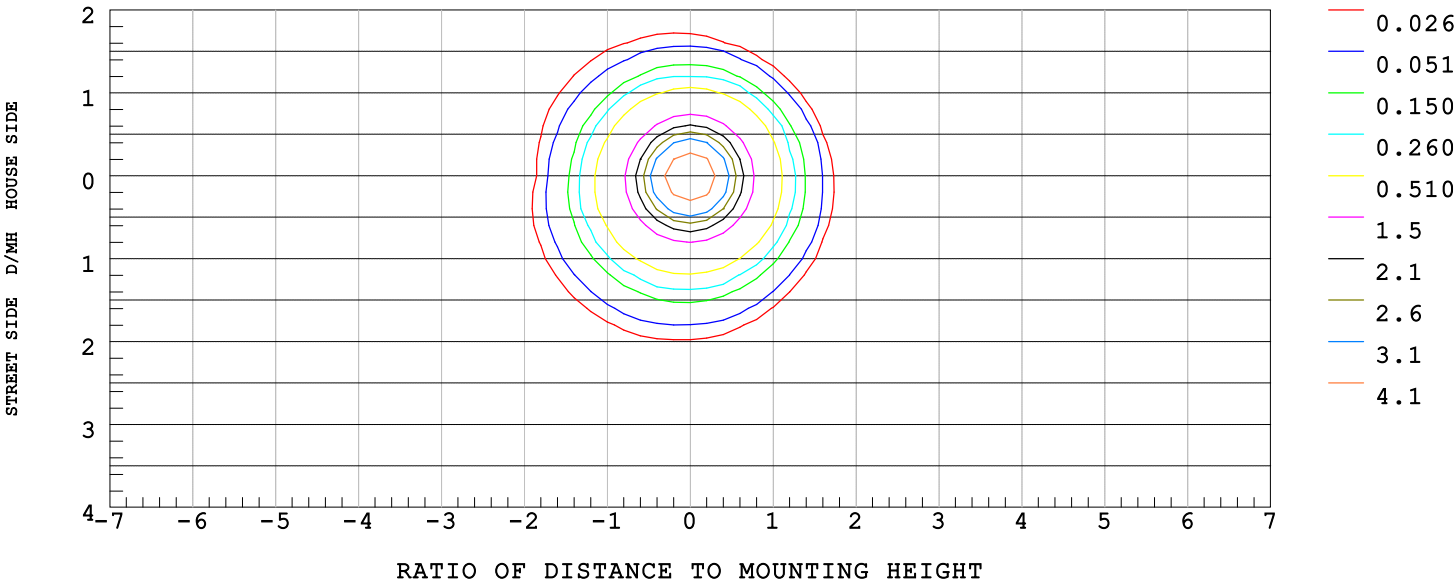
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-5000K-4.8W

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225485		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 1000980	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 5.14 lx



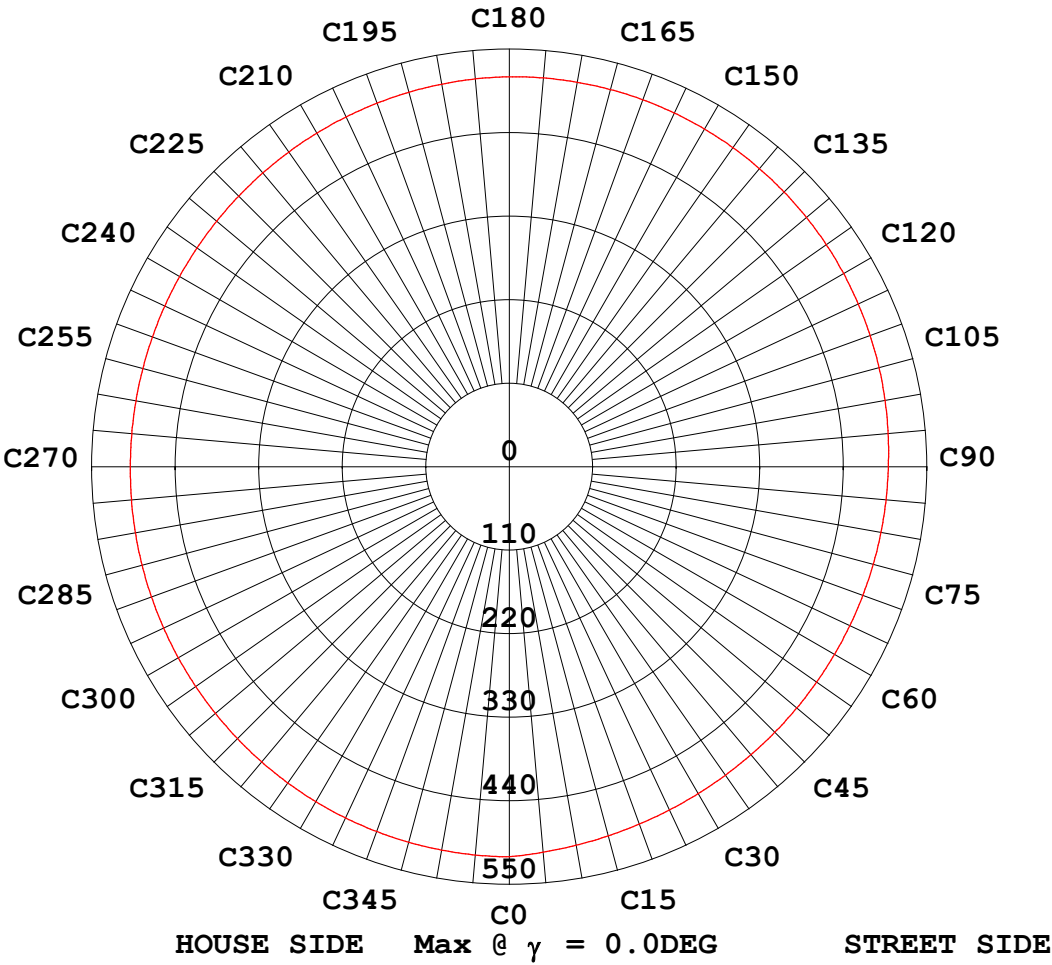
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-5000K-4.8W

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225485		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-5000K-4.8W

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225485		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 1000980	DIMENSION:	SERIAL No.:

UNIT: cd

C (DEG)				
γ (DEG)	0	90	180	270
0.0	514	499	514	499
5.0	511	495	509	495
10.0	501	487	498	483
15.0	484	478	478	464
20.0	459	461	452	435
25.0	427	434	418	397
30.0	386	398	377	351
35.0	339	355	328	301
40.0	286	306	272	243
45.0	225	249	210	180
50.0	161	188	129	114
55.0	88.4	110	65.6	49.8
60.0	35.0	53.7	18.3	17.2
65.0	11.9	18.1	3.73	10.0
70.0	11.3	10.6	4.42	8.80
75.0	11.2	10.5	5.19	8.39
80.0	11.3	10.3	6.00	8.48
85.0	11.6	10.5	6.89	8.84
90.0	11.9	10.7	7.83	9.33
95.0	12.2	11.0	8.64	9.86
100.0	12.4	11.2	9.37	10.3
105.0	12.6	11.4	10.0	10.7
110.0	12.7	11.6	10.6	11.1
115.0	12.7	11.6	11.1	11.2
120.0	12.6	11.6	11.5	11.4
125.0	12.4	11.4	11.8	11.6
130.0	12.2	11.3	12.2	11.6
135.0	12.1	11.6	12.1	11.6
140.0	12.1	11.6	12.1	11.6
145.0	12.0	11.5	12.0	11.5
150.0	12.0	11.5	12.0	11.5
155.0	12.0	11.4	12.0	11.4
160.0	11.9	11.4	11.9	11.4
165.0	11.9	11.4	11.9	11.4
170.0	11.8	11.4	11.8	11.4
175.0	11.8	11.3	11.8	11.3
180.0	11.8	11.3	11.8	11.3

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-5000K-4.8W