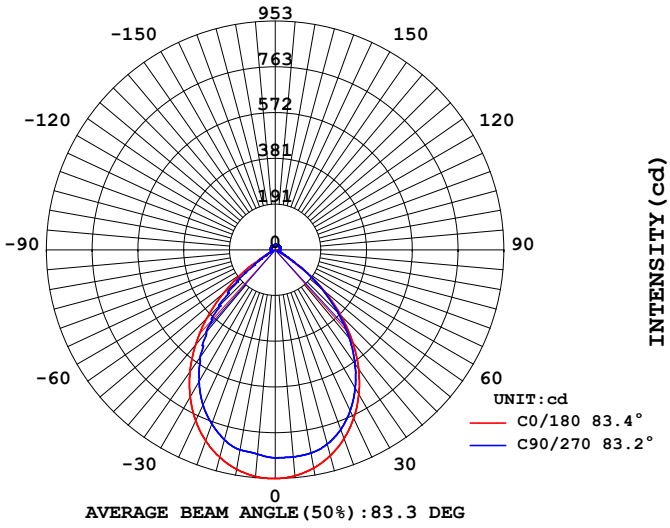
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225964		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

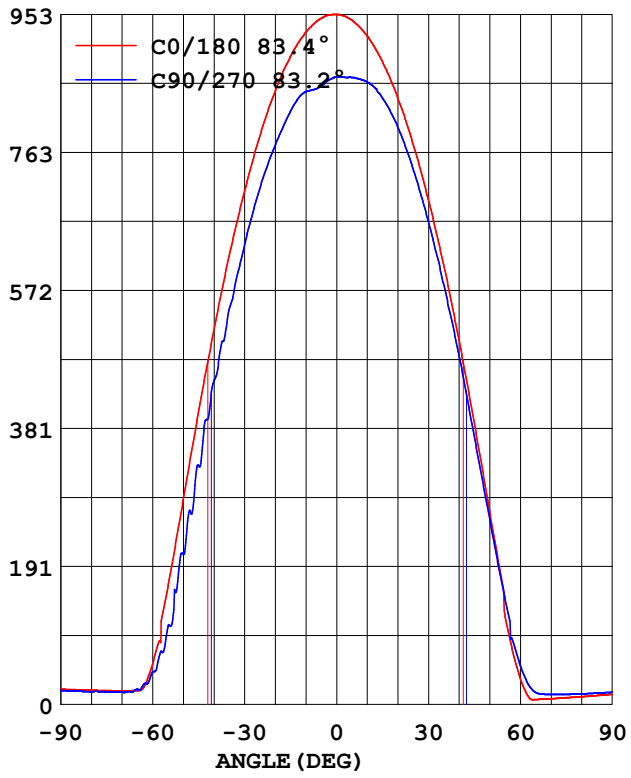
DATA OF LAMP		Imax(cd)	953.1	S/MH(C0/180)	1.13
MODEL	24V-2835-180D-[illegible]	[illegible](%)	100.0	S/MH(C90/270)	1.12
NOMINAL POWER(W)	9.6	TOTAL FLUX(lm)	1634.3	Voltage(V)	24.00
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	170.2	Current(A)	0.435
NOMINAL FLUX(lm)	1634.3	η up(%)	8.3	Power(W)	9.600
LAMPS QUANTITY	1	η down(%)	91.7	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effictive Flux(lm)	1424.9	EEI	0.092

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):83.3 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-4000K-9.6W

Color Temperature Data List

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AVERAGE AND CENTER E Figure

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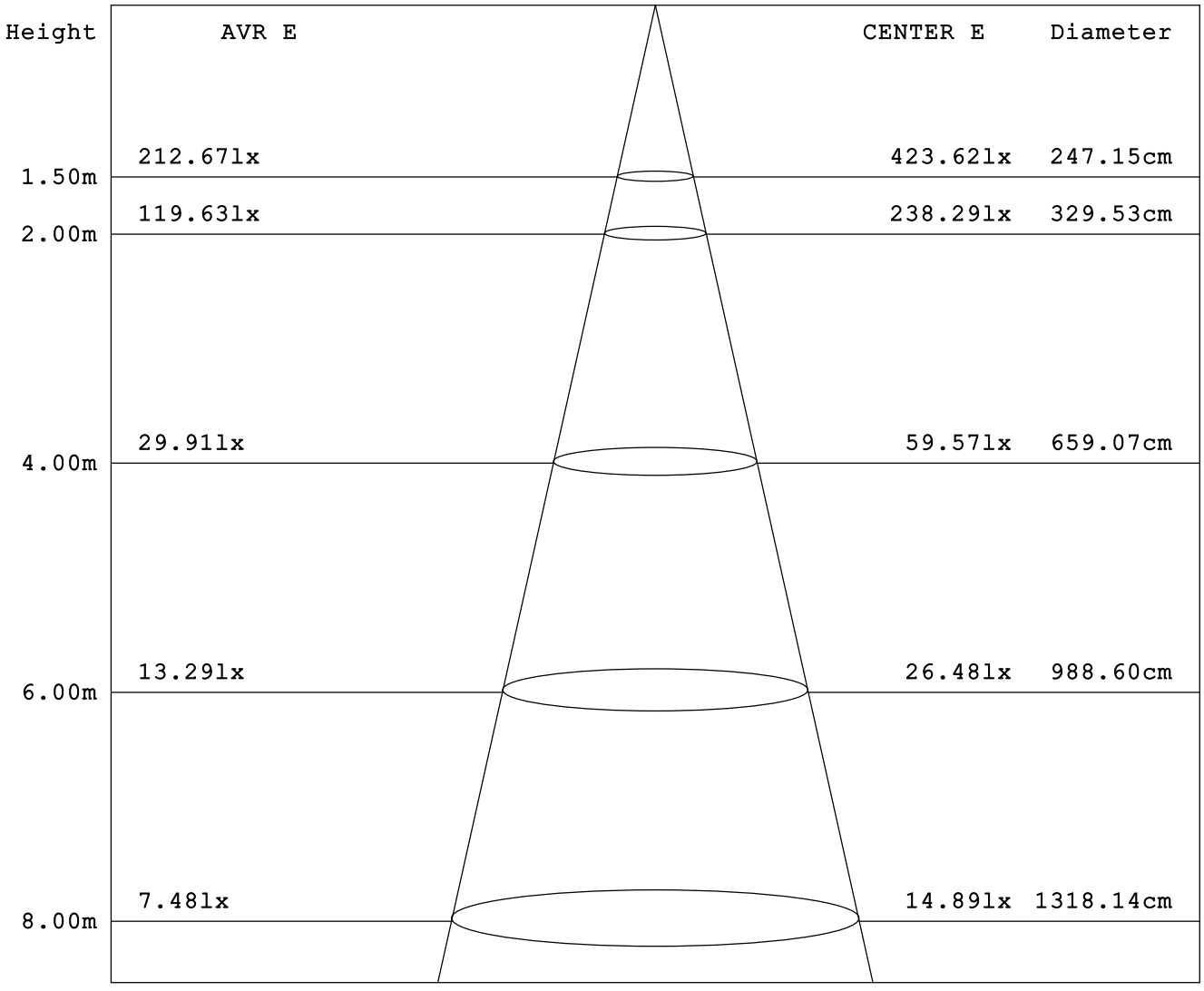

Angle:79.0deg

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)
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ZONAL FLUX DIAGRAM

Report number:

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NAME: HCP-3225964		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

γ	C0	C90	C180	C270					γ	zone	total
5.0	947.7	854.7	945.3	865.9					0- 5	20.81	20.81
10.0	929.2	846.4	924.4	860.0					5- 10	61.61	82.42
15.0	897.1	821.5	890.0	839.3					10- 15	99.95	182.3
20.0	851.6	776.5	842.2	801.5					15- 20	133.0	315.4
25.0	792.2	720.3	780.7	746.4					20- 25	159.1	474.6
30.0	718.4	645.6	706.4	675.7					25- 30	176.1	650.7
35.0	633.3	556.0	619.8	592.3					30- 35	182.4	833.1
40.0	534.6	454.9	519.9	497.8					35- 40	177.3	1010
45.0	426.0	340.7	409.3	389.6					40- 45	160.2	1171
50.0	307.5	232.9	291.0	278.6					45- 50	130.7	1301
55.0	188.0	108.9	172.3	169.2					50- 55	92.10	1394
60.0	74.90	48.12	52.50	70.11					55- 60	47.70	1441
65.0	20.24	22.39	6.735	21.22					60- 65	16.81	1458
70.0	18.90	17.16	7.547	14.03					65- 70	7.484	1466
75.0	18.98	17.20	8.926	13.95					70- 75	7.382	1473
80.0	19.47	18.58	10.26	14.36					75- 80	7.889	1481
85.0	20.12	18.17	11.88	15.33					80- 85	8.425	1489
90.0	20.77	19.03	13.51	16.51					85- 90	9.067	1498
95.0	21.42	19.72	15.01	17.81					90- 95	9.660	1508
100.0	21.91	20.20	16.39	19.03					95-100	10.13	1518
105.0	22.31	20.61	17.61	20.24					100-105	10.45	1529
110.0	22.60	20.85	18.70	21.62					105-110	10.65	1539
115.0	22.68	20.93	19.67	21.34					110-115	10.64	1550
120.0	22.64	20.85	20.49	21.95					115-120	10.37	1560
125.0	22.39	20.61	21.14	22.19					120-125	10.01	1570
130.0	22.03	22.56	21.58	22.56					125-130	9.572	1580
135.0	21.91	22.68	21.91	22.68					130-135	9.186	1589
140.0	21.83	22.64	21.83	22.64					135-140	8.491	1598
145.0	21.78	22.56	21.78	22.56					140-145	7.723	1605
150.0	21.74	22.52	21.74	22.52					145-150	6.903	1612
155.0	21.66	22.47	21.66	22.47					150-155	6.038	1618
160.0	21.62	22.43	21.62	22.43					155-160	5.131	1623
165.0	21.62	22.39	21.62	22.39					160-165	4.192	1628
170.0	21.58	22.35	21.58	22.35					165-170	3.226	1631
175.0	21.54	22.35	21.54	22.35					170-175	2.240	1633
180.0	21.50	22.31	21.50	22.31					175-180	1.241	1634
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-4000K-9.6W

LUMINANCE LIMITATION CURVES

Report number:

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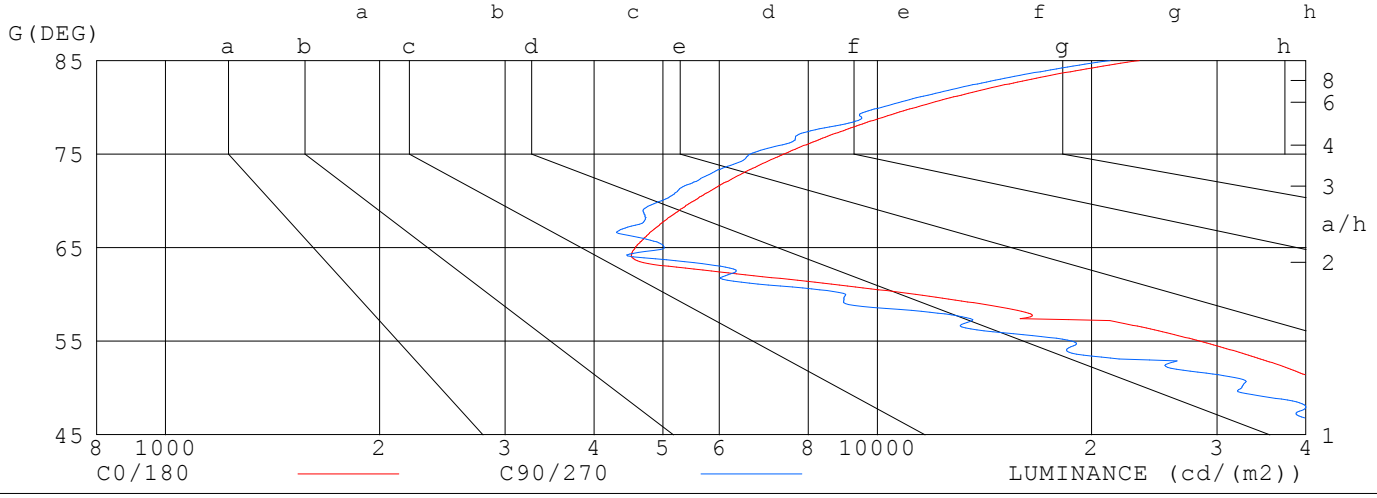
NAME: HCP-3225964		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

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	23325	21230
80	11310	10118
75	7384	6632
70	5517	4947
65	4580	5031
60	11605	9049
55	28786	18981
50	44384	32422
45	57534	46596

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ISOCANDELA DIAGRAM

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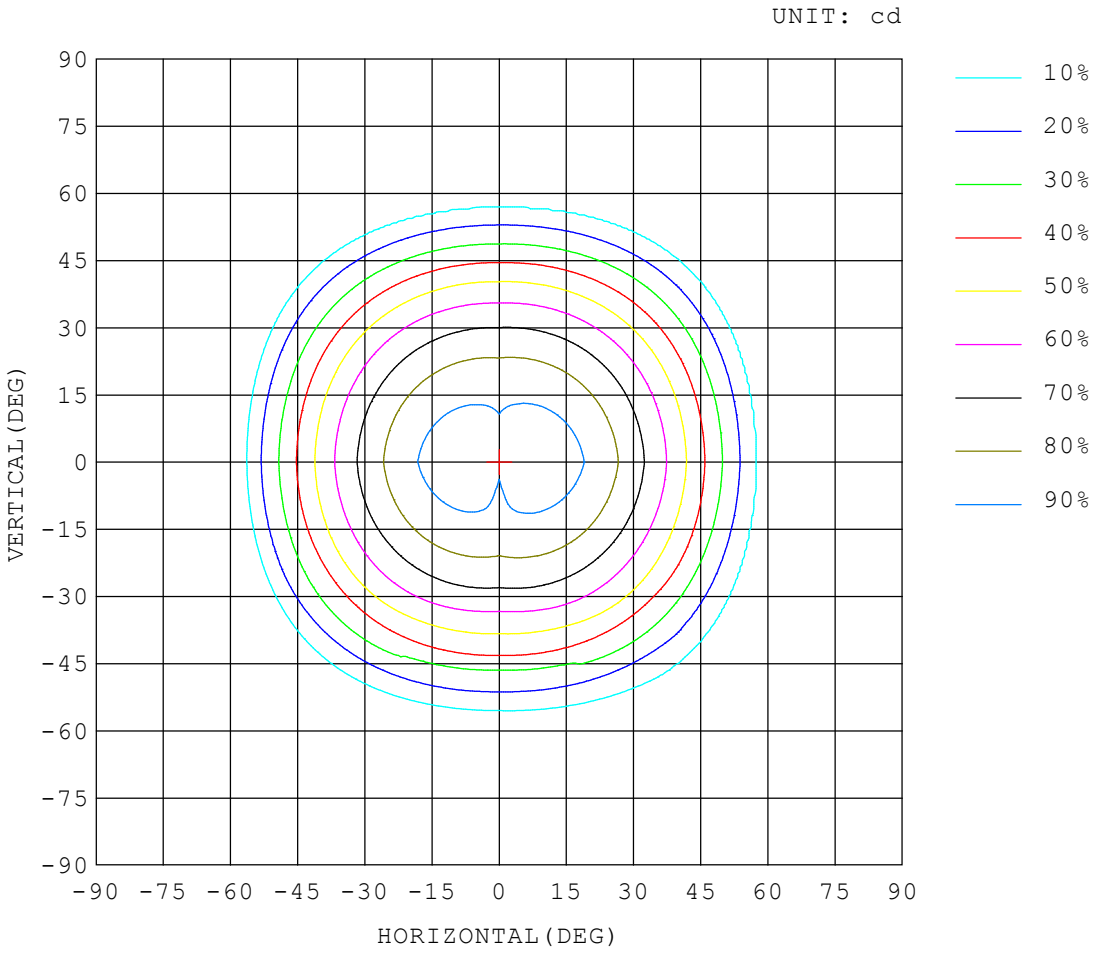
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



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Operators:
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ISOLUX DIAGRAM

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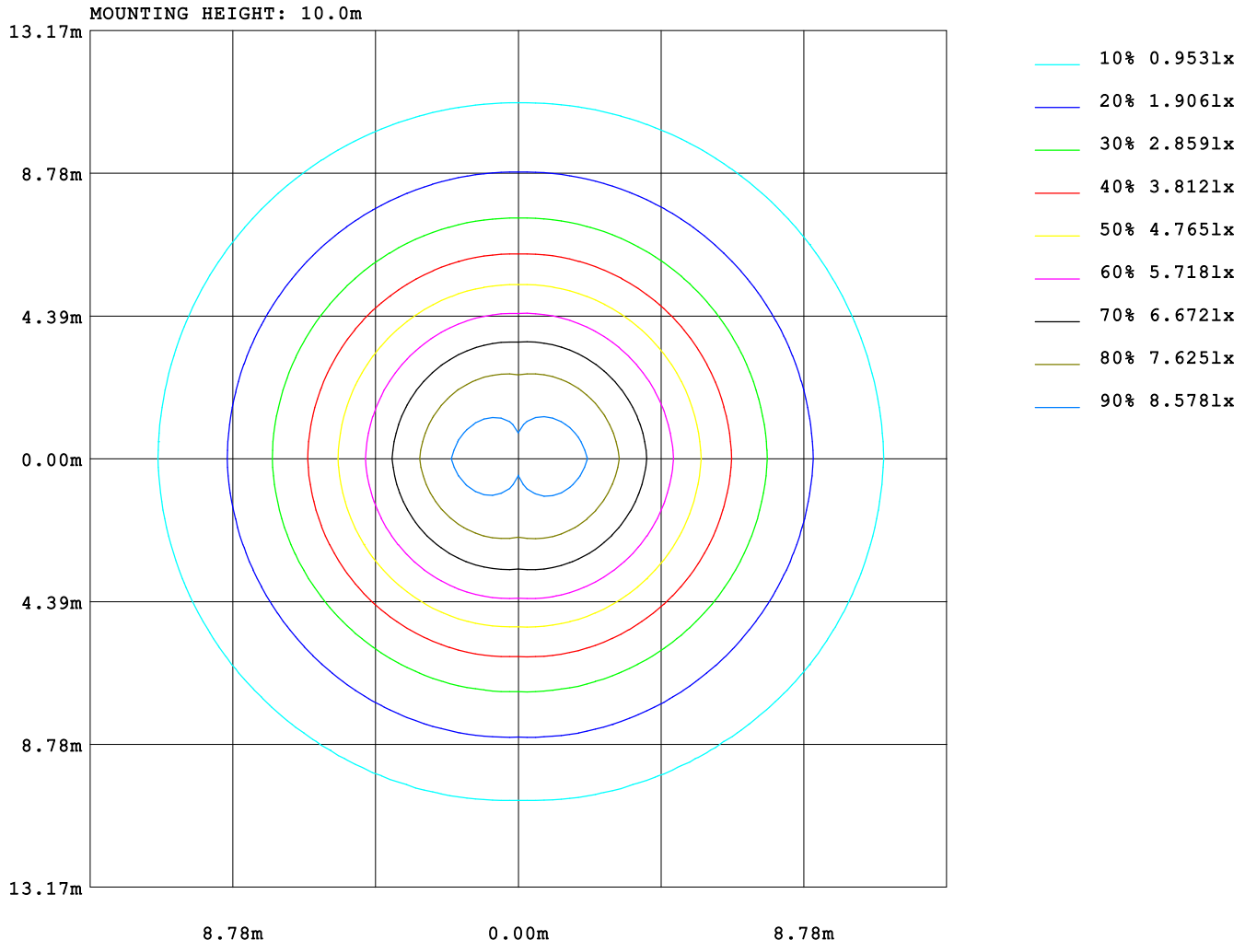
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



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AREA LUMINOUS FLUX

Report number:

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NAME: HCP-3225964		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	0.04	0.11	0.18	0.25	0.31	0.37	0.41	0.45	0.47	0.49	0.49	0.47	0.44	0.39	0.33	0.25	0.16	0.05	5.67	0.00
70	0.04	0.11	0.17	0.22	0.27	0.32	0.36	0.39	0.42	0.44	0.44	0.43	0.41	0.37	0.31	0.24	0.16	0.05	5.13	0.00
60	0.04	0.10	0.15	0.20	0.24	0.29	0.37	0.51	0.65	0.67	0.58	0.46	0.40	0.36	0.30	0.24	0.15	0.05	5.75	0.00
50	0.03	0.09	0.14	0.18	0.26	0.79	2.02	3.44	4.31	4.36	3.58	2.24	0.98	0.41	0.30	0.23	0.15	0.05	23.6	14.7
40	0.03	0.09	0.13	0.19	1.05	3.75	7.04	9.63	11.0	11.0	9.74	7.21	4.06	1.34	0.34	0.23	0.15	0.05	67.1	63.5
30	0.03	0.08	0.12	0.49	3.24	7.77	12.1	15.6	17.3	17.4	15.7	12.3	8.00	3.59	0.71	0.23	0.15	0.05	115	113
	0.03	0.08	0.11	1.18	5.61	11.1	16.4	20.3	22.2	22.2	20.4	16.6	11.4	5.89	1.52	0.24	0.15	0.05	156	154
	0.03	0.08	0.13	1.97	7.31	13.5	19.3	23.5	25.3	25.4	23.7	19.5	13.8	7.61	2.35	0.28	0.15	0.05	184	183
	0.03	0.07	0.15	2.44	8.22	14.8	20.9	25.4	27.2	27.2	25.6	21.2	15.1	8.55	2.83	0.32	0.15	0.05	201	199
	0.03	0.07	0.15	2.42	8.17	14.7	20.8	25.3	27.0	27.0	25.5	21.1	15.0	8.50	2.81	0.32	0.15	0.05	200	198
	0.03	0.08	0.13	1.91	7.17	13.3	19.0	23.2	24.9	24.9	23.3	19.2	13.6	7.46	2.28	0.28	0.15	0.05	181	180
-30	0.03	0.08	0.12	1.11	5.37	10.8	15.9	19.7	21.5	21.5	19.8	16.1	11.0	5.65	1.45	0.25	0.15	0.05	151	149
-40	0.03	0.08	0.12	0.46	2.95	7.32	11.5	14.8	16.3	16.3	14.9	11.7	7.55	3.30	0.69	0.24	0.15	0.05	109	106
-50	0.03	0.09	0.13	0.20	0.94	3.25	6.28	8.70	9.88	9.92	8.81	6.45	3.56	1.22	0.36	0.24	0.15	0.05	60.3	56.4
-60	0.04	0.10	0.15	0.19	0.29	0.72	1.64	2.69	3.33	3.38	2.83	1.86	0.91	0.44	0.32	0.24	0.15	0.05	19.3	9.67
-70	0.04	0.10	0.16	0.22	0.27	0.34	0.42	0.55	0.67	0.70	0.62	0.52	0.45	0.39	0.33	0.25	0.16	0.05	6.22	0.00
-80	0.04	0.11	0.18	0.24	0.30	0.37	0.42	0.47	0.52	0.53	0.52	0.50	0.46	0.40	0.33	0.25	0.16	0.05	5.85	0.00
-90	0.04	0.11	0.19	0.27	0.34	0.41	0.47	0.51	0.55	0.56	0.55	0.53	0.48	0.42	0.35	0.26	0.16	0.06	6.26	0.00
HORIZONTAL(DEG)																				
Φ t	0.62	1.62	2.59	14.1	52.3	104	156	195	214	214	197	159	108	56.3	17.9	4.60	2.74	0.97	1634	
Φ a	0.00	0.00	0.00	8.06	47.6	99.6	151	191	209	209	192	154	103	50.8	10.5	0.00	0.00	0.00		1425

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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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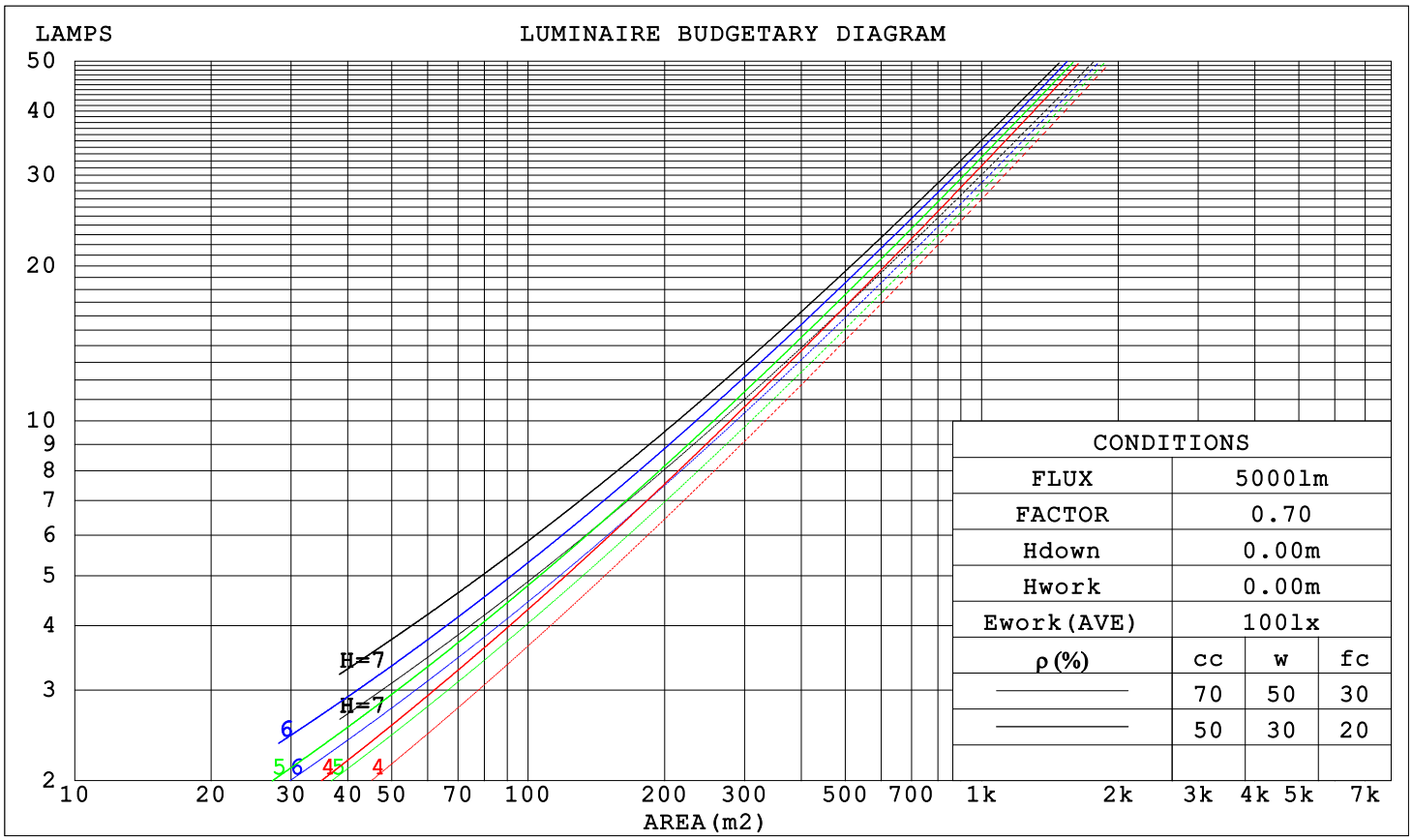
SPECIFICATION: CCT(K): 1000980	DIMENSION:	SERIAL No.:

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	1.00	1.00	1.00	.94	.94	.94	.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	.91	.86	.93	.88	.84	.89	.85	.81	.84	.81	.78	.80	.78	.75	.73
3.0	.87	.80	.75	.85	.79	.74	.81	.76	.72	.77	.73	.70	.74	.70	.67	.65
4.0	.79	.72	.66	.77	.70	.65	.74	.68	.64	.70	.66	.62	.68	.64	.60	.58
5.0	.72	.64	.59	.70	.63	.58	.67	.61	.57	.65	.60	.56	.62	.58	.54	.52
6.0	.66	.58	.53	.64	.57	.52	.62	.56	.51	.59	.54	.50	.57	.53	.49	.47
7.0	.60	.53	.48	.59	.52	.47	.57	.51	.46	.55	.49	.45	.53	.48	.45	.43
8.0	.56	.48	.43	.55	.48	.43	.53	.46	.42	.51	.45	.41	.49	.44	.41	.39
9.0	.51	.44	.39	.50	.44	.39	.49	.43	.38	.47	.42	.38	.46	.41	.37	.36
10.0	.48	.41	.36	.47	.40	.36	.45	.39	.35	.44	.39	.35	.43	.38	.34	.33



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WEC AND CCEC

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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	.224	.128	.041	.206	.118	.038	.190	.109	.035	.175	.101	.033	
2.0	.222	.122	.037	.214	.118	.036	.198	.110	.034	.184	.103	.032	.171	.097	.030	
3.0	.210	.112	.033	.203	.109	.033	.189	.102	.031	.176	.097	.030	.165	.091	.028	
4.0	.199	.103	.030	.192	.101	.030	.180	.095	.028	.169	.090	.027	.158	.086	.026	
5.0	.188	.096	.028	.182	.093	.027	.171	.089	.026	.161	.085	.025	.151	.081	.024	
6.0	.178	.089	.025	.172	.087	.025	.162	.083	.024	.153	.080	.023	.144	.076	.023	
7.0	.168	.083	.024	.163	.081	.023	.154	.078	.022	.146	.075	.022	.138	.072	.021	
8.0	.159	.078	.022	.155	.076	.022	.147	.073	.021	.139	.070	.020	.132	.068	.020	
9.0	.151	.073	.020	.147	.072	.020	.140	.069	.020	.133	.066	.019	.126	.064	.018	
10.0	.144	.069	.019	.140	.068	.019	.133	.065	.018	.127	.063	.018	.120	.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	.254	.254	.254	.217	.217	.217	.148	.148	.148	.085	.085	.085	.027	.027	.027	
1.0	.239	.221	.204	.204	.189	.176	.140	.130	.122	.080	.075	.071	.026	.024	.023	
2.0	.227	.197	.171	.195	.169	.148	.133	.117	.103	.077	.068	.060	.025	.022	.020	
3.0	.218	.179	.147	.187	.154	.128	.128	.107	.090	.074	.062	.053	.024	.020	.017	
4.0	.209	.165	.131	.180	.142	.114	.124	.099	.080	.071	.058	.047	.023	.019	.016	
5.0	.202	.154	.119	.173	.133	.103	.120	.093	.073	.069	.055	.043	.022	.018	.014	
6.0	.195	.145	.110	.168	.126	.096	.116	.088	.068	.067	.052	.040	.022	.017	.013	
7.0	.189	.139	.103	.163	.120	.090	.113	.084	.064	.065	.050	.038	.021	.016	.013	
8.0	.184	.133	.098	.158	.115	.085	.109	.081	.060	.064	.048	.036	.021	.016	.012	
9.0	.179	.128	.094	.154	.111	.082	.107	.078	.058	.062	.046	.035	.020	.015	.011	
10.0	.174	.124	.090	.150	.107	.079	.104	.076	.056	.061	.045	.033	.020	.015	.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-4000K-9.6W

UGR Table

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225964		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	23.1	24.2	23.5	24.6	24.9	22.2	23.3	22.6	23.7	24.0
3H	22.9	24.0	23.3	24.3	24.7	22.1	23.1	22.5	23.5	23.8
4H	22.9	23.9	23.3	24.3	24.7	22.0	23.0	22.5	23.4	23.8
6H	23.0	23.9	23.4	24.3	24.7	22.1	23.0	22.6	23.4	23.9
8H	23.1	24.0	23.5	24.4	24.8	22.2	23.1	22.7	23.5	24.0
12H	23.3	24.1	23.7	24.5	25.0	22.4	23.3	22.9	23.7	24.2
4H 2H	22.9	23.8	23.3	24.2	24.6	22.0	23.0	22.4	23.4	23.8
3H	22.7	23.6	23.2	24.0	24.5	21.9	22.8	22.4	23.2	23.6
4H	22.8	23.5	23.3	24.0	24.5	22.0	22.7	22.4	23.2	23.7
6H	23.0	23.6	23.5	24.1	24.6	22.2	22.8	22.7	23.3	23.8
8H	23.2	23.8	23.7	24.3	24.8	22.4	23.0	22.9	23.5	24.1
12H	23.5	24.1	24.1	24.6	25.2	22.8	23.4	23.3	23.9	24.4
8H 4H	22.7	23.3	23.2	23.8	24.4	21.9	22.5	22.4	23.0	23.6
6H	23.0	23.5	23.6	24.1	24.6	22.3	22.8	22.8	23.3	23.9
8H	23.4	23.8	23.9	24.4	25.0	22.7	23.1	23.2	23.7	24.3
12H	24.0	24.4	24.6	24.9	25.6	23.3	23.7	23.9	24.3	24.9
12H 4H	22.7	23.2	23.2	23.7	24.3	21.9	22.4	22.4	23.0	23.5
6H	23.0	23.5	23.6	24.1	24.7	22.3	22.8	22.9	23.3	23.9
8H	23.5	23.9	24.1	24.4	25.1	22.8	23.2	23.4	23.8	24.4

Variations with the observer position at spacings:		
S = 1.0H	+ 1.2 / - 2.0	+ 1.5 / - 2.4
1.5H	+ 0.8 / - 1.7	+ 1.0 / - 1.7
2.0H	+ 3.3 / - 3.6	+ 3.3 / - 3.0

CIE Pub.117 Corrected 1634 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.7)

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-4000K-9.6W

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225964		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	58	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	80	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	72
2.00	100	93	89	98	92	87	93	89	85	77
2.50	102	97	92	100	95	91	95	91	88	79
3.00	105	100	95	102	97	94	97	94	91	81
4.00	108	103	100	105	101	98	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	

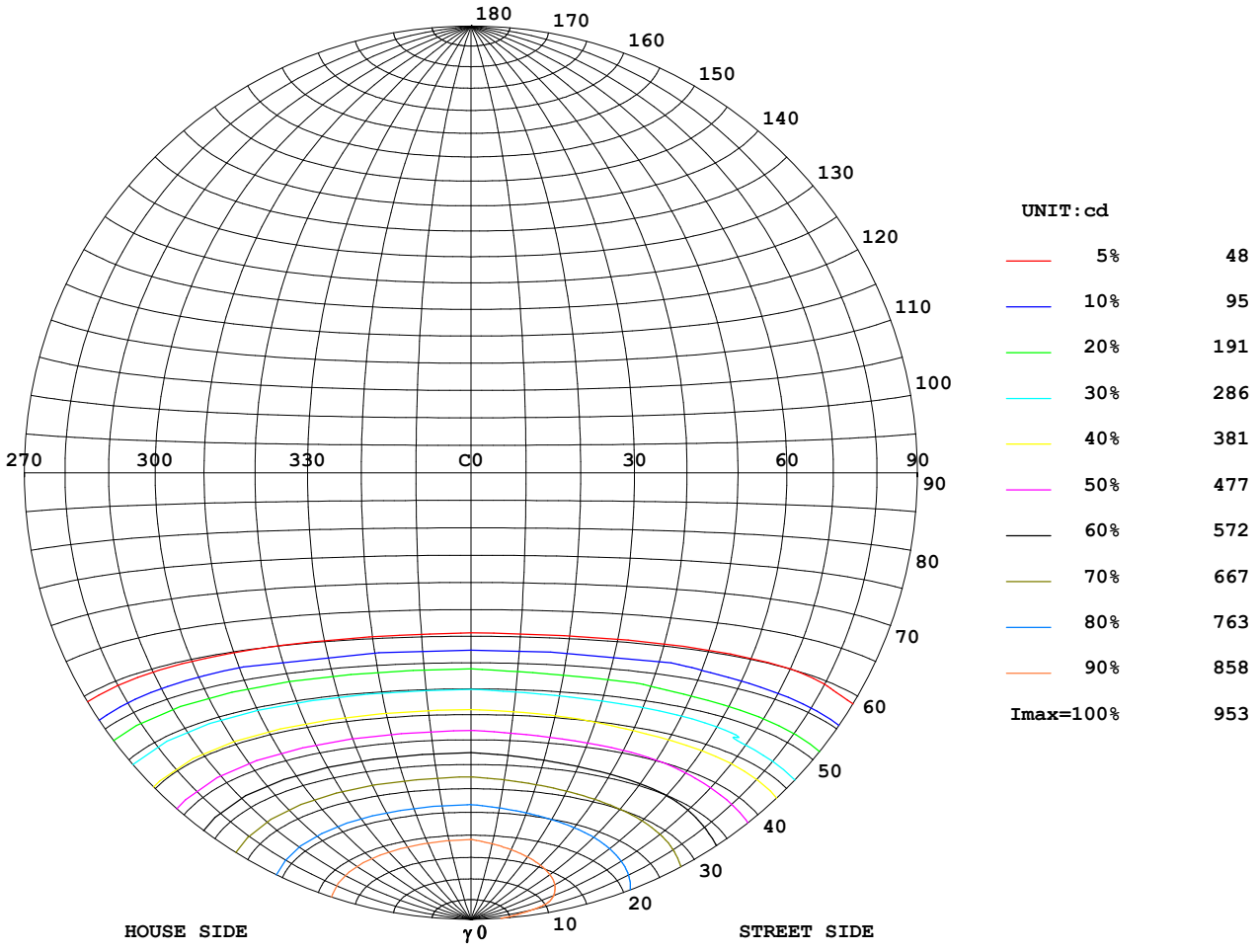
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-4000K-9.6W

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225964		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:



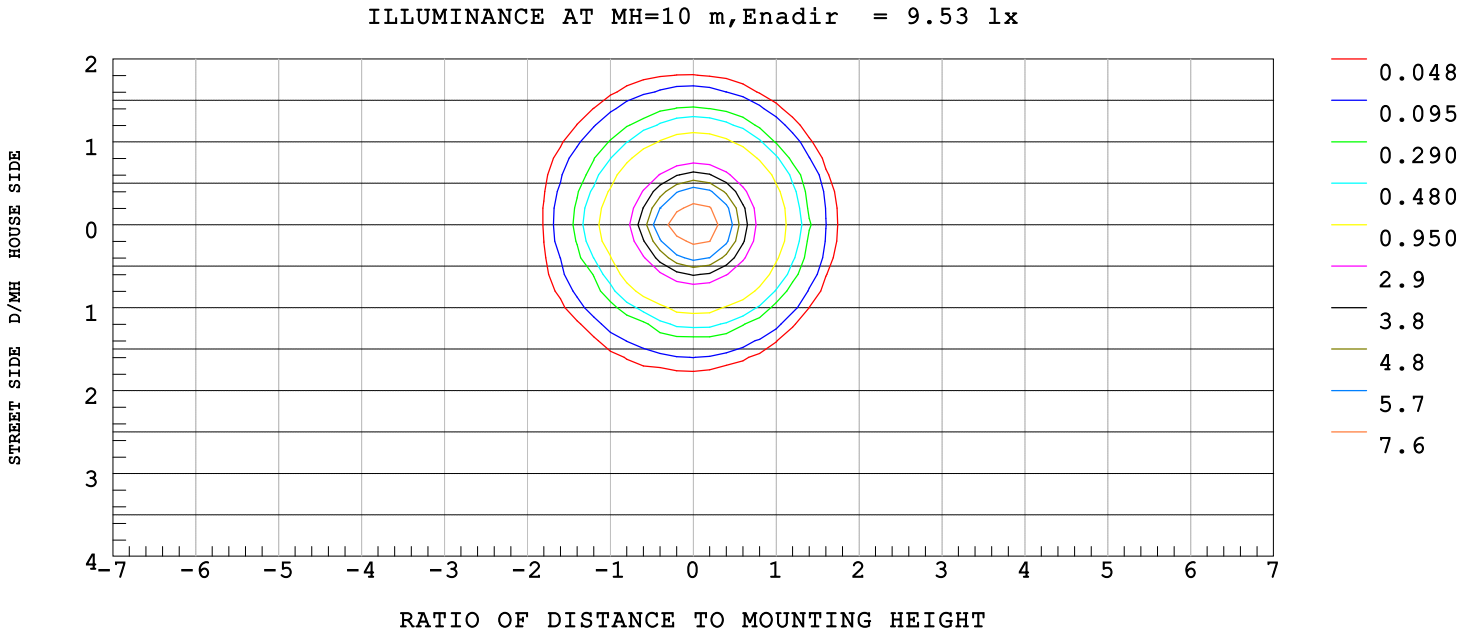
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

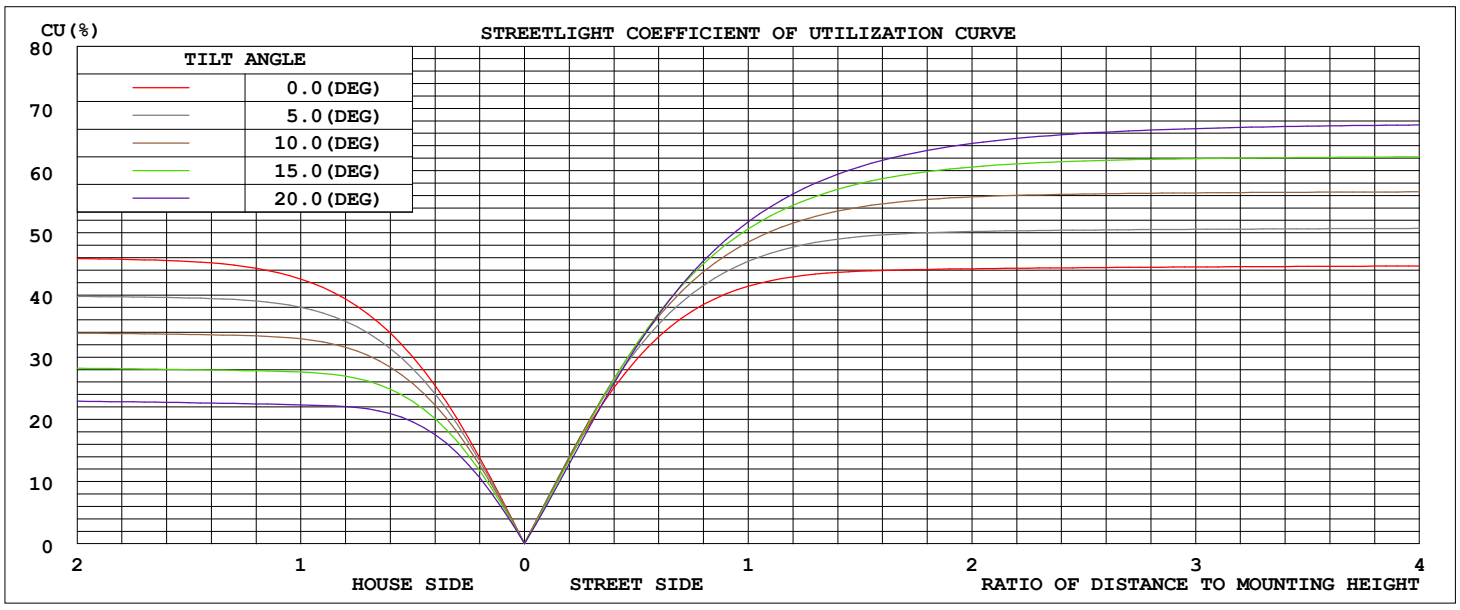
Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-4000K-9.6W

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225964		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:





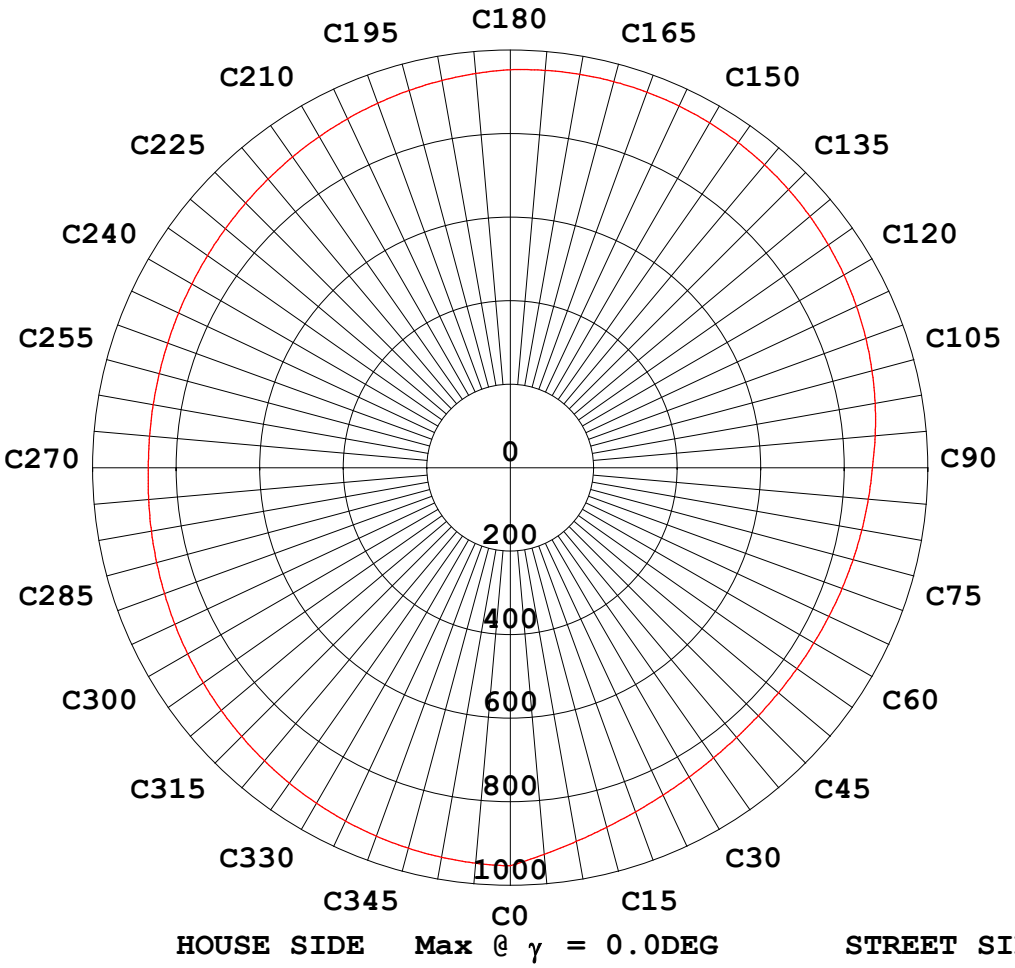
Test System:HOPOO HP880
Temperature:25.3DEG
Operators:
Test Date:2023年08月12日

Test Set: 6.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.370 m
Remarks: 24V-2835-180D-4000K-9.6W

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225964		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-4000K-9.6W

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Havit			
Address: Unit 8 133 Beauchamp Rd Matraville,NSW2036			
NAME: HCP-3225964		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 1000980	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG) \ C(DEG)	0	90	180	270
0.0	953	867	953	867
5.0	948	855	945	866
10.0	929	846	924	860
15.0	896	820	888	838
20.0	848	773	839	798
25.0	787	715	775	741
30.0	711	637	698	669
35.0	622	548	609	582
40.0	519	448	505	483
45.0	407	329	390	372
50.0	285	208	268	258
55.0	165	109	124	148
60.0	58.0	45.2	37.2	55.1
65.0	19.3	21.2	6.81	16.8
70.0	18.8	16.9	7.91	13.9
75.0	19.1	17.1	9.37	14.0
80.0	19.6	17.5	10.7	14.6
85.0	20.3	18.5	12.4	15.7
90.0	21.0	19.2	14.0	16.9
95.0	21.6	19.9	15.5	18.2
100.0	22.0	20.3	16.8	19.5
105.0	22.4	20.7	18.0	20.7
110.0	22.6	20.9	19.1	22.3
115.0	22.6	20.9	20.0	21.7
120.0	22.5	20.7	20.8	22.0
125.0	22.2	20.5	21.3	22.3
130.0	21.9	22.6	21.9	22.6
135.0	21.8	22.6	21.8	22.6
140.0	21.7	22.6	21.7	22.6
145.0	21.7	22.5	21.7	22.5
150.0	21.7	22.5	21.7	22.5
155.0	21.6	22.4	21.6	22.4
160.0	21.6	22.3	21.6	22.3
165.0	21.5	22.3	21.5	22.3
170.0	21.5	22.3	21.5	22.3
175.0	21.5	22.3	21.5	22.3
180.0	21.5	22.2	21.5	22.2

Test System:HOPOO HP880
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Test Date:2023年08月12日

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