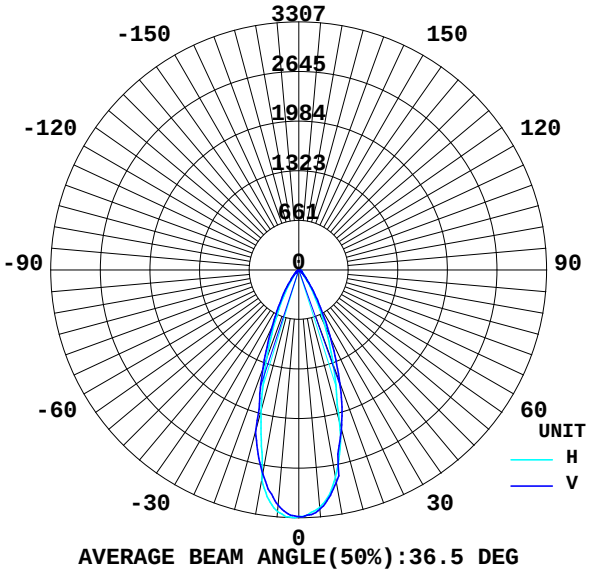
LUMINAIRE PHOTOMETRIC TEST REPORT

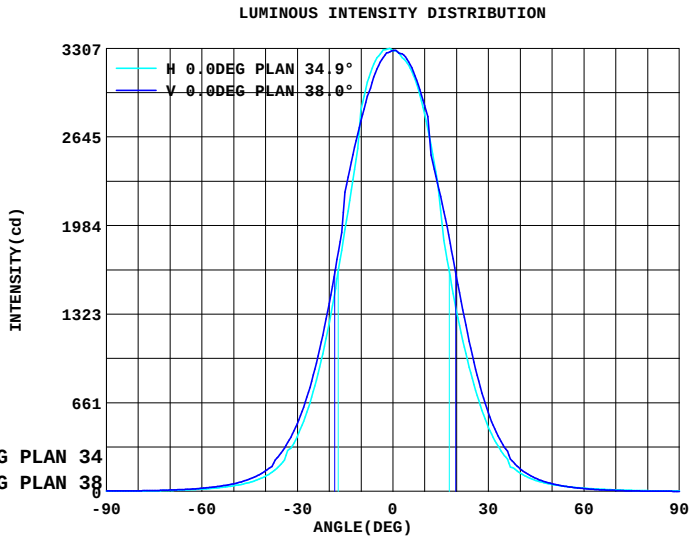
Report number:

MANUFACTURER:		
Address:		
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

MODEL:					
NOMINAL POWER(W):	20	Imax(cd):	3307	Voltage(V)	23.63
RATED VOLTAGE(V):	24	AVAILABILITY(%):	85.8	Current(A)	0.808
NOMINAL FLUX(lm):	1573	Avai. FLUX(lm):	1350	Power(W)	19.11
TEST FLUX(lm):	1573	EFFICIENCY(%):	100.0	Power Factor(PF)	1.000
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	1573	EFFICIENCY(lm/W)	82.3
Effictive Flux(lm) :	1349.8	θ @50%(H, V):	34.9,37.8DEG	EEI:	0.193



AVERAGE BEAM ANGLE(50%):36.5 DEG



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024年07月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:		
Address:		
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

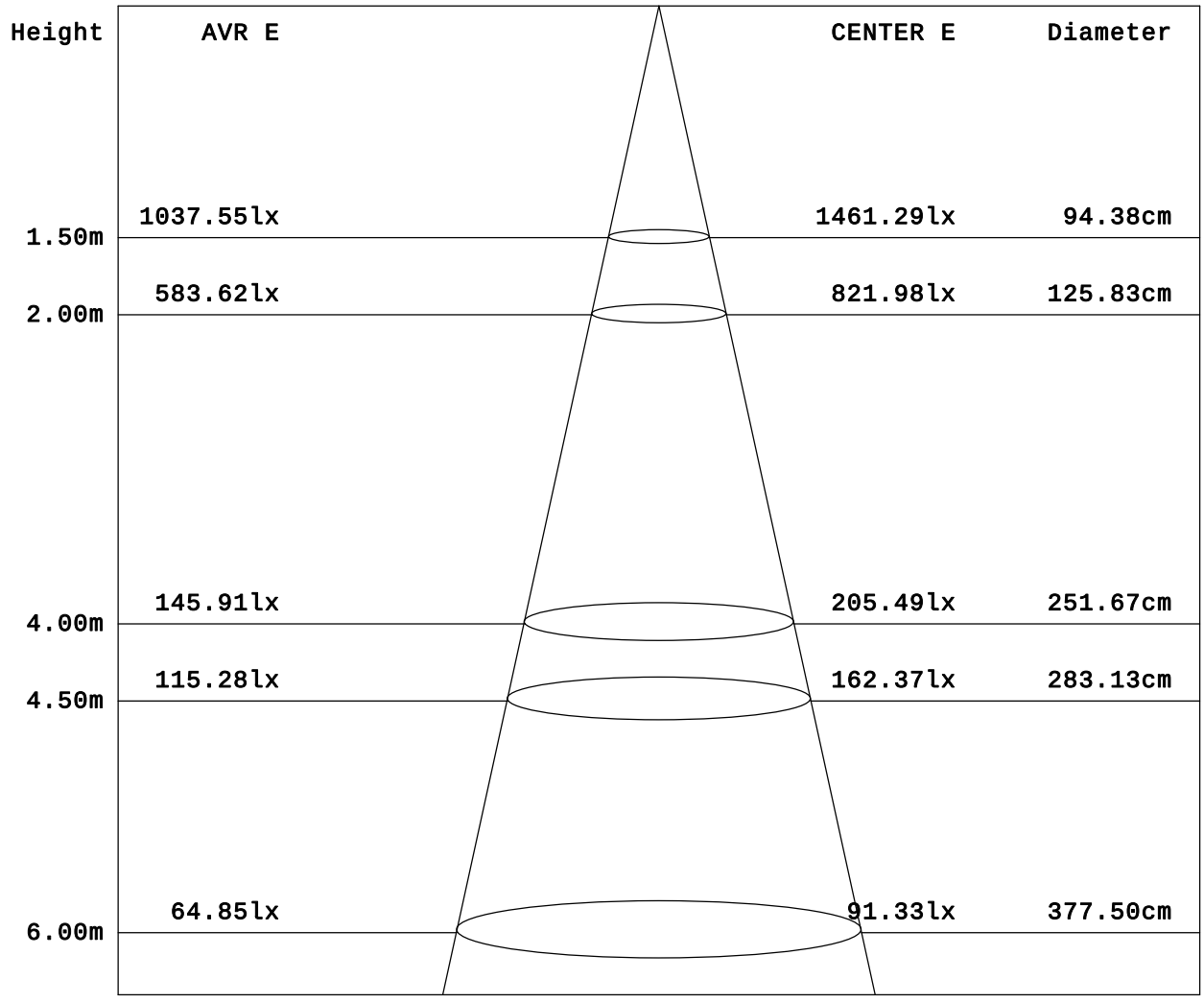
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024年07月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address:		
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:34.9deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024年07月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:		
Address:		
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG) 10	15	20	25	30	35	40	45	Φ t	Φ a
45	0.16	0.22	0.30	0.39	0.50	0.63	0.76	0.88	0.96	0.98	0.94	0.85	0.73	0.60	0.48	0.37	0.27	0.19	10.2	0.00
40	0.20	0.28	0.40	0.56	0.76	1.00	1.27	1.55	1.76	1.81	1.71	1.49	1.21	0.94	0.71	0.52	0.36	0.24	16.8	0.00
35	0.24	0.36	0.54	0.80	1.16	1.72	2.35	2.90	3.28	3.37	3.13	2.69	2.13	1.57	1.07	0.71	0.46	0.30	28.8	15.5
30	0.29	0.46	0.73	1.16	1.92	2.87	3.95	5.01	5.76	5.90	5.39	4.50	3.47	2.50	1.65	0.97	0.59	0.37	47.5	38.7
25	0.35	0.58	0.97	1.74	2.89	4.47	6.39	8.24	9.55	9.75	8.82	7.23	5.39	3.68	2.30	1.33	0.74	0.44	74.9	67.7
20	0.40	0.70	1.28	2.41	4.11	6.55	9.48	12.2	14.0	14.3	13.0	10.6	7.78	5.03	3.02	1.71	0.91	0.51	108	102
15	0.45	0.82	1.62	3.05	5.41	8.76	12.8	17.0	18.9	19.0	17.7	14.2	10.0	6.38	3.72	2.06	1.05	0.56	144	138
	0.48	0.91	1.86	3.57	6.45	10.6	16.2	21.2	23.1	22.9	21.0	17.2	11.6	7.37	4.24	2.30	1.14	0.60	173	168
	0.50	0.94	1.96	3.81	6.93	11.5	17.5	23.0	24.8	24.4	22.6	18.5	12.3	7.71	4.42	2.37	1.17	0.60	185	180
	0.49	0.94	1.96	3.79	6.89	11.4	16.9	22.4	24.4	24.2	22.2	17.7	11.8	7.40	4.25	2.28	1.12	0.59	181	176
	0.48	0.90	1.84	3.52	6.33	10.4	15.2	19.4	22.2	22.1	19.0	14.9	10.2	6.50	3.76	2.04	1.01	0.54	161	155
-15	0.44	0.81	1.58	2.99	5.24	8.50	12.4	15.9	18.4	18.2	15.2	11.4	8.04	5.18	3.05	1.67	0.86	0.48	131	125
-20	0.39	0.69	1.24	2.36	3.96	6.24	8.93	11.3	12.9	12.7	10.8	8.25	5.73	3.74	2.28	1.24	0.70	0.41	94.1	87.8
-25	0.33	0.56	0.96	1.67	2.81	4.22	5.85	7.37	8.33	8.22	7.09	5.49	3.84	2.52	1.53	0.90	0.55	0.34	62.6	54.8
-30	0.28	0.45	0.71	1.13	1.81	2.71	3.62	4.45	4.99	4.93	4.29	3.40	2.46	1.56	0.99	0.64	0.42	0.28	39.1	29.6
-35	0.22	0.34	0.52	0.78	1.12	1.59	2.14	2.59	2.88	2.84	2.49	1.99	1.43	0.98	0.66	0.46	0.32	0.22	23.6	8.71
-40	0.17	0.26	0.37	0.53	0.73	0.95	1.19	1.42	1.58	1.56	1.37	1.11	0.87	0.64	0.46	0.32	0.24	0.17	13.9	0.00
-45	0.13	0.19	0.26	0.36	0.48	0.60	0.72	0.82	0.89	0.88	0.79	0.68	0.55	0.43	0.32	0.23	0.18	0.13	8.63	0.00
Φ t	6.00	10.3	19.1	34.6	59.5	94.9	138	178	199	198	178	142	99.7	64.8	38.9	22.1	12.1	6.99	1573	
Φ a	0.00	0.00	3.54	24.5	51.1	87.5	131	172	193	193	172	136	92.5	56.5	29.2	7.27	0.00	0.00		1350

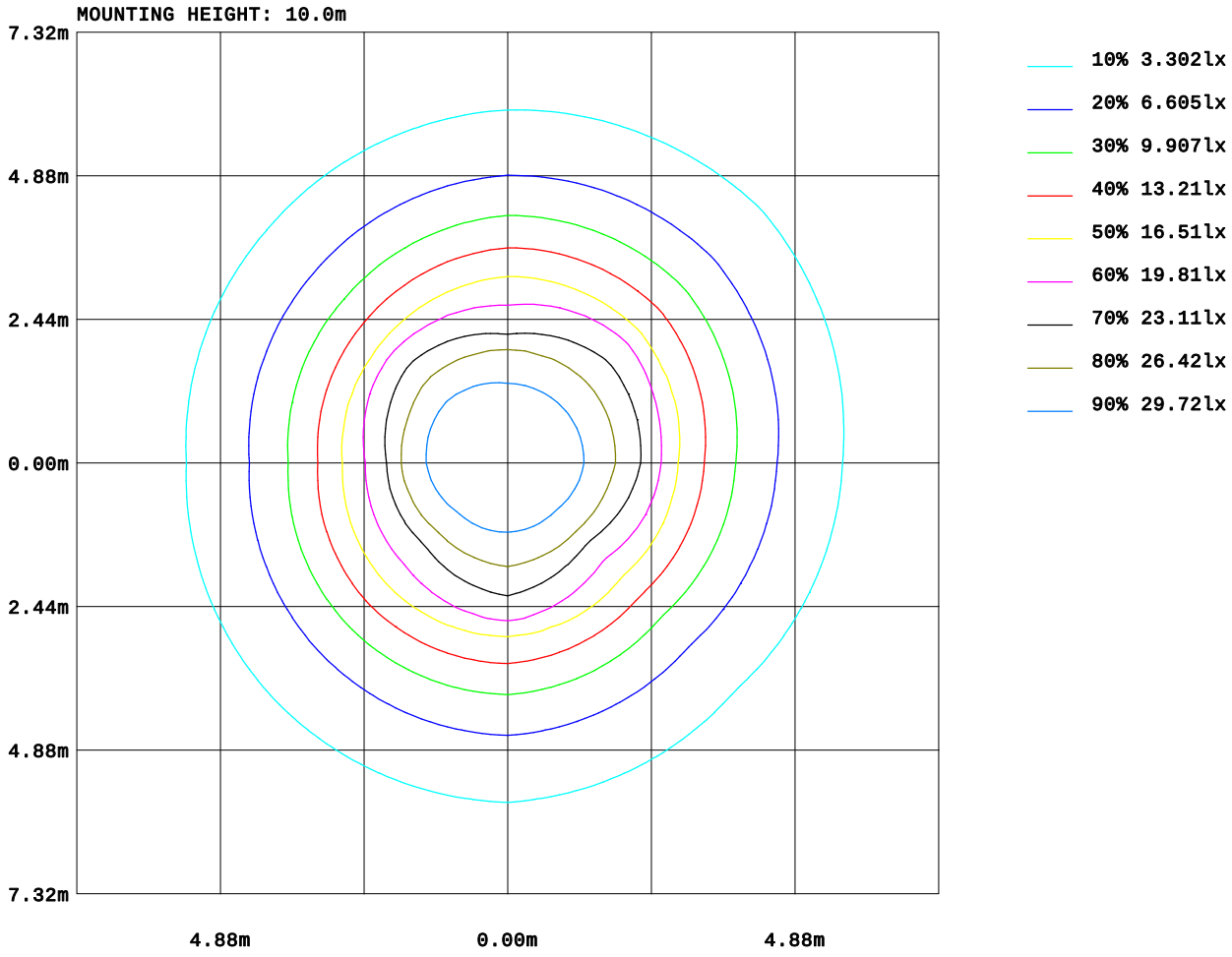
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024年07月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024年07月11日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: