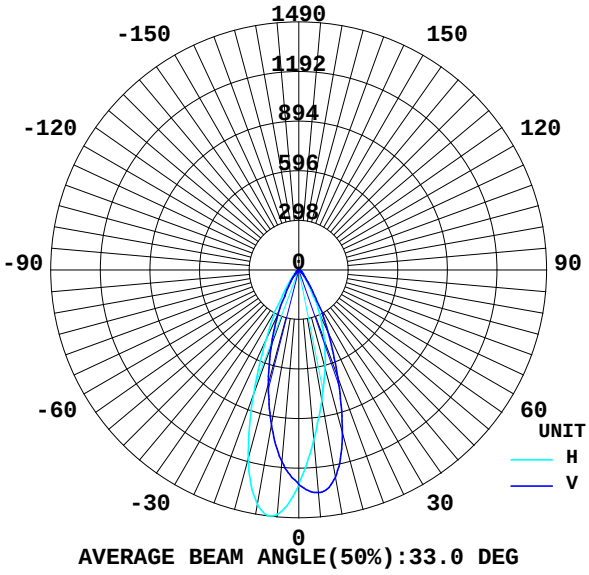
LUMINAIRE PHOTOMETRIC TEST REPORT

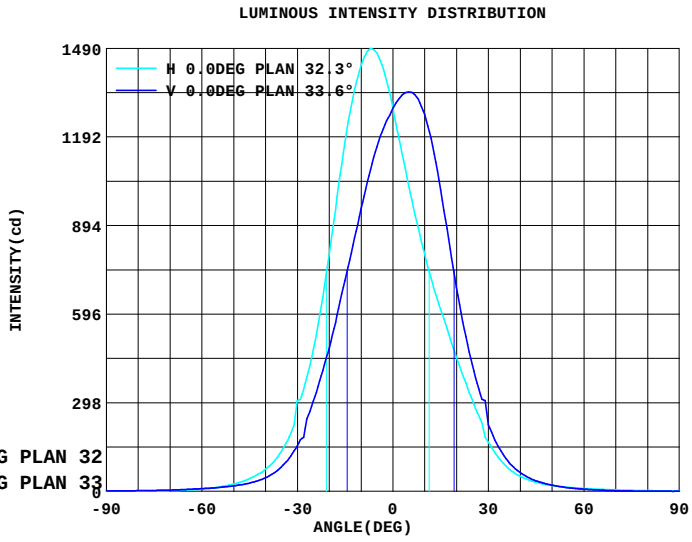
Report number:

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

MODEL:					
NOMINAL POWER(W):	9	Imax(cd):	1515	Voltage(V)	11.98
RATED VOLTAGE(V):	12	AVAILABILITY(%):	84.4	Current(A)	0.781
NOMINAL FLUX(lm):	657	Avai. FLUX(lm):	554.5	Power(W)	9.360
TEST FLUX(lm):	657	EFFICIENCY(%):	100.0	Power Factor(PF)	1.000
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	656.9	EFFICIENCY(lm/W)	70.2
Effictive Flux(lm) :	554.6	θ @50%(H, V):	32.9,34.3DEG	EEI:	0.195



AVERAGE BEAM ANGLE(50%):33.0 DEG



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024年07月10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.:

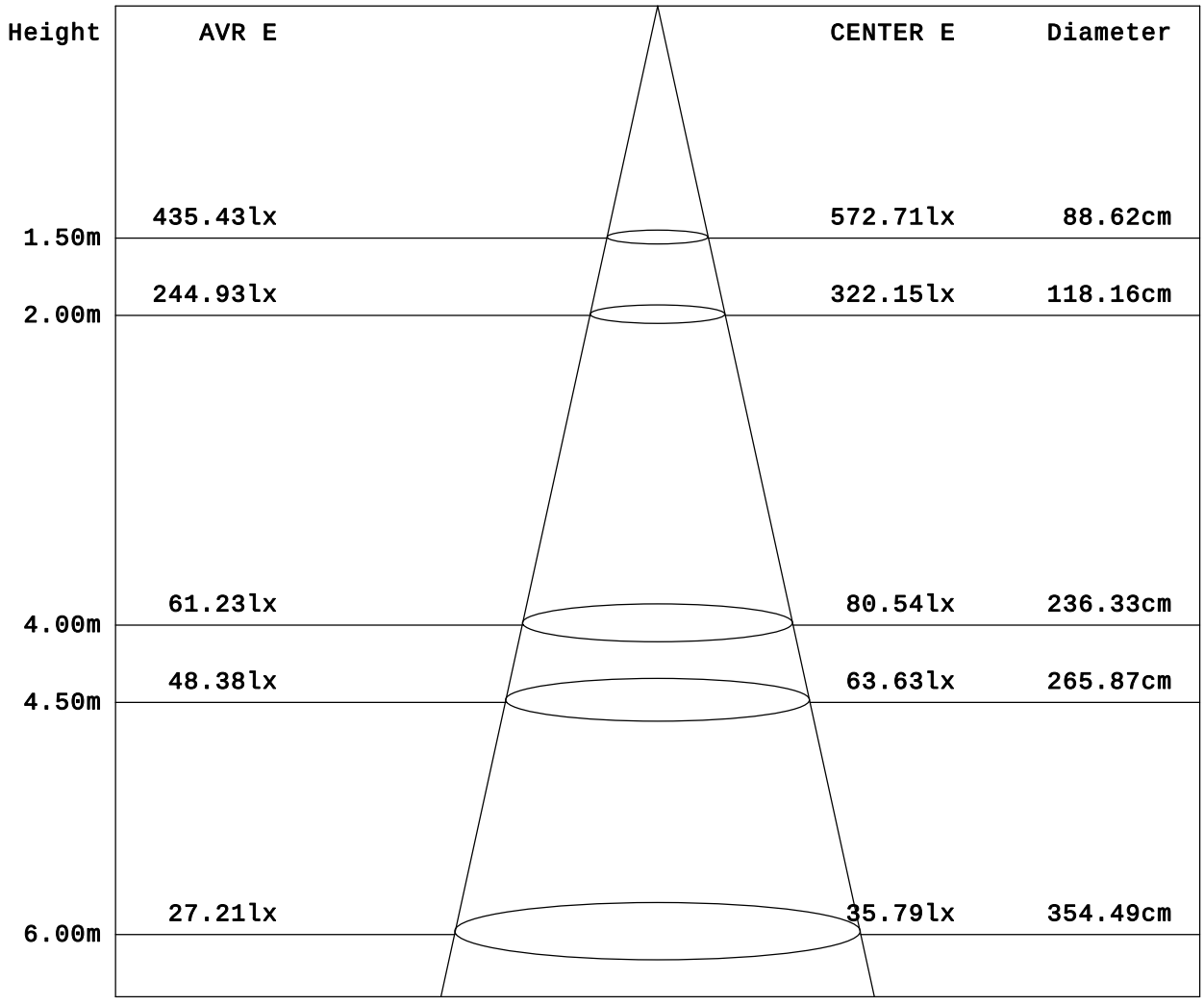
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024年07月10日

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:32.9deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024年07月10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	0.09	0.13	0.19	0.25	0.30	0.35	0.38	0.40	0.38	0.36	0.33	0.29	0.24	0.20	0.15	0.12	0.09	0.07	4.32	0.00
40	0.12	0.19	0.28	0.38	0.49	0.59	0.67	0.71	0.70	0.65	0.59	0.50	0.40	0.30	0.22	0.16	0.12	0.09	7.14	0.00
35	0.15	0.25	0.39	0.59	0.80	1.01	1.23	1.34	1.32	1.22	1.08	0.88	0.66	0.47	0.32	0.22	0.15	0.10	12.2	4.71
30	0.19	0.33	0.54	0.87	1.33	1.83	2.25	2.54	2.60	2.44	2.09	1.60	1.10	0.75	0.48	0.30	0.19	0.13	21.5	17.2
25	0.23	0.41	0.71	1.24	2.10	2.95	3.73	4.25	4.31	3.99	3.40	2.66	1.87	1.13	0.69	0.41	0.24	0.15	34.5	31.1
20	0.27	0.49	0.90	1.69	2.85	4.37	5.79	6.63	6.70	6.06	4.98	3.76	2.67	1.72	0.95	0.54	0.30	0.17	50.9	48.0
15	0.31	0.57	1.09	2.11	3.60	5.75	8.02	9.11	9.10	8.10	6.43	4.75	3.38	2.24	1.24	0.66	0.35	0.20	67.0	64.4
	0.32	0.61	1.21	2.42	4.20	6.78	9.32	10.8	10.5	9.16	7.22	5.39	3.85	2.57	1.49	0.76	0.40	0.21	77.3	74.9
	0.33	0.62	1.25	2.53	4.44	7.20	9.79	11.1	10.7	9.12	7.20	5.42	3.94	2.68	1.59	0.80	0.42	0.22	79.5	77.2
	0.31	0.59	1.17	2.37	4.16	6.71	9.15	10.4	10.0	8.39	6.61	5.07	3.77	2.59	1.54	0.78	0.40	0.22	74.3	72.0
	0.28	0.52	0.98	1.99	3.43	5.43	7.41	8.69	8.59	7.33	5.73	4.54	3.41	2.34	1.34	0.70	0.37	0.20	63.3	60.7
-15	0.24	0.43	0.78	1.48	2.55	3.92	5.31	6.41	6.57	5.89	4.84	3.77	2.82	1.89	1.05	0.57	0.31	0.18	49.0	46.2
-20	0.20	0.34	0.58	1.00	1.67	2.59	3.56	4.35	4.60	4.32	3.70	2.91	2.10	1.30	0.77	0.44	0.25	0.15	34.8	31.4
-25	0.16	0.25	0.41	0.64	0.99	1.52	2.22	2.75	2.97	2.88	2.52	1.96	1.30	0.85	0.53	0.32	0.20	0.12	22.6	18.4
-30	0.12	0.19	0.28	0.41	0.60	0.88	1.18	1.48	1.65	1.61	1.39	1.09	0.79	0.53	0.34	0.23	0.15	0.10	13.0	7.20
-35	0.09	0.13	0.19	0.26	0.37	0.51	0.66	0.79	0.86	0.85	0.76	0.62	0.47	0.33	0.22	0.16	0.11	0.08	7.45	0.00
-40	0.07	0.09	0.13	0.17	0.24	0.30	0.37	0.43	0.46	0.46	0.42	0.35	0.28	0.21	0.15	0.11	0.08	0.06	4.39	0.00
-45	0.05	0.06	0.09	0.12	0.15	0.19	0.23	0.25	0.27	0.27	0.24	0.21	0.18	0.14	0.11	0.08	0.06	0.05	2.75	0.00
Φ t	3.51	6.20	11.1	20.5	34.3	52.9	71.3	82.6	82.5	73.1	59.6	45.8	33.3	22.2	13.2	7.36	4.20	2.50	657	
Φ a	0.00	0.00	4.84	16.2	30.6	49.5	68.1	79.6	79.5	70.1	56.3	42.4	29.6	18.0	8.03	0.37	0.00	0.00		555

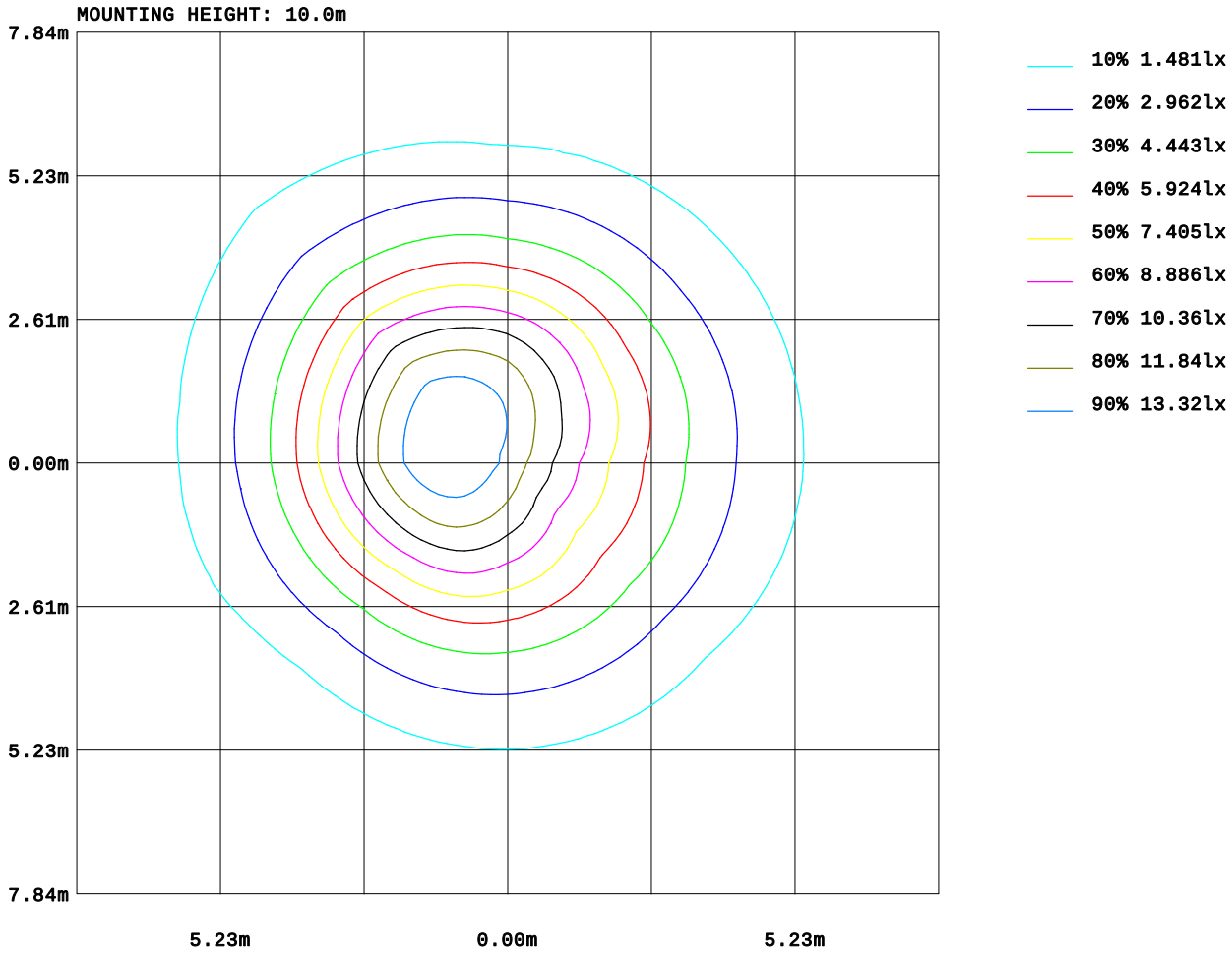
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024年07月10日

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10日

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