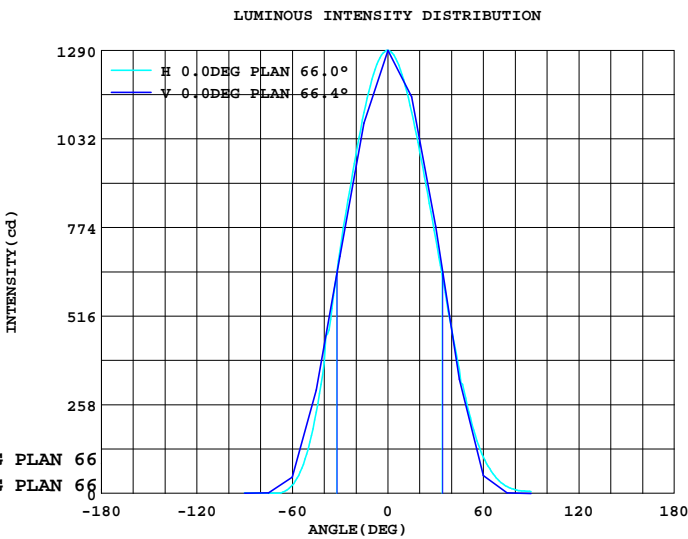
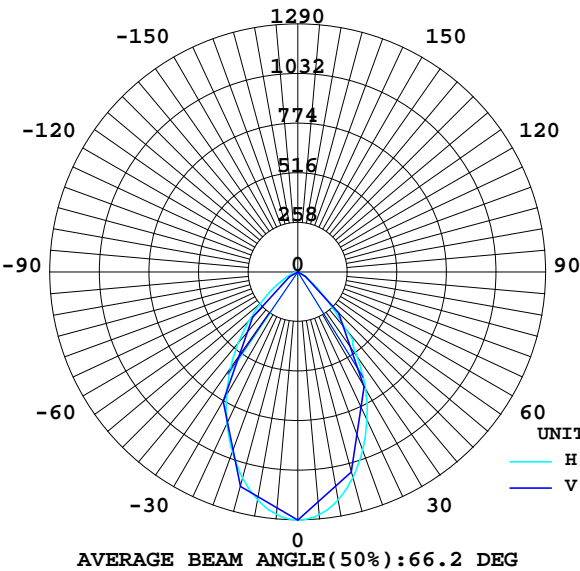


LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: LI-TIAN LIGHTING			
Address:			
NAME: SL-20W-30K-60D		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

MODEL:	3000K				
NOMINAL POWER(W):	20	Imax(cd):	1290	Voltage(V)	219.8
RATED VOLTAGE(V):	220	AVAILABILITY(%):	94.7	Current(A)	0.096
NOMINAL FLUX(lm):	1571.9	Avai. FLUX(lm):	1488.6	Power(W)	20.52
TEST FLUX(lm):	1571.9	EFFICIENCY(%):	100.0	Power Factor(PF)	0.964
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	1571.9	EFFICIENCY(lm/W)	76.6
Effictive Flux(lm) :	1488.6	θ @50%(H, V):	66.0,66.4DEG	EEl:	0.188



Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2024年07月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

Color Temperature Data List

Report number:

MANUFACTURER: LI-TIAN LIGHTING			
Address:			
NAME: SL-20W-30K-60D		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

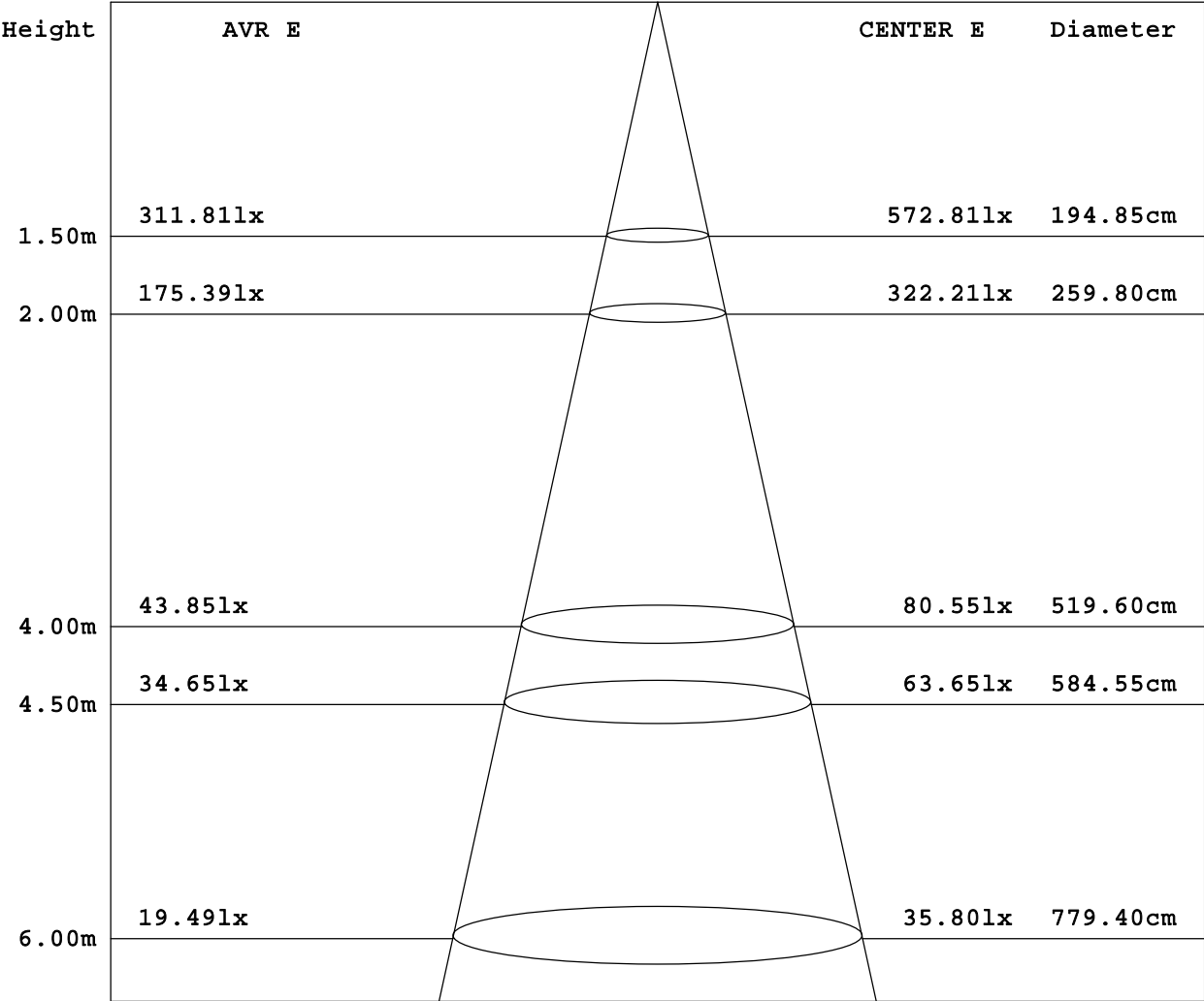
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2024年07月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: LI-TIAN LIGHTING			
Address:			
NAME: SL-20W-30K-60D		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Angle:66.0deg

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2024年07月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: LI-TIAN LIGHTING																			
Address:																			
NAME: SL-20W-30K-60D										TYPE:					WEIGHT:				
SPECIFICATION:					CCT(K): 0					DIMENSION:					SERIAL No.:				

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm	Φ t	Φ a
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90		
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.05	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.04	0.05	0.05	0.04	0.02	0.01	0.01	0.00	0.27	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.07	0.12	0.14	0.12	0.08	0.05	0.02	0.02	0.02	0.00	0.69	0.00
60	0.00	0.00	0.00	0.01	0.04	0.28	0.74	1.33	1.87	2.19	2.19	1.87	1.32	0.76	0.36	0.13	0.03	0.01	0.01	13.1	0.00
50	0.00	0.01	0.02	0.06	0.35	1.21	2.82	4.90	6.64	7.36	6.94	5.56	3.69	1.95	0.81	0.26	0.05	0.01	0.01	42.6	30.7
40	0.01	0.03	0.05	0.17	0.91	2.84	6.39	10.9	14.6	16.0	14.8	11.6	7.56	3.85	1.50	0.46	0.10	0.01	0.01	92.0	87.0
30	0.00	0.00	0.03	0.58	2.84	8.36	16.5	23.9	27.6	27.5	23.9	18.2	11.6	6.05	2.33	0.66	0.14	0.02	0.02	171	167
20	0.01	0.02	0.08	0.82	3.83	10.9	21.1	30.0	35.1	35.2	30.7	23.3	15.1	8.04	3.12	0.87	0.17	0.02	0.02	219	216
10	0.02	0.07	0.18	1.06	4.69	12.8	24.1	34.1	41.1	42.2	37.1	28.3	18.8	10.2	4.02	1.11	0.18	0.01	0.01	261	258
0	0.00	0.00	0.10	1.32	5.72	14.9	24.7	33.8	39.6	39.3	33.2	24.3	15.3	7.73	2.99	0.87	0.18	0.02	0.02	244	242
-10	0.01	0.02	0.11	1.13	4.98	13.1	22.3	30.7	36.1	36.2	30.9	22.8	14.3	7.33	2.82	0.82	0.16	0.02	0.02	224	221
-20	0.02	0.06	0.12	0.58	2.76	7.83	15.8	22.5	27.2	28.4	25.4	19.5	12.6	6.81	2.58	0.76	0.13	0.00	0.00	173	170
-30	0.00	0.00	0.01	0.34	1.84	5.38	10.5	15.0	16.9	16.4	14.0	10.1	6.03	2.84	1.15	0.38	0.10	0.02	0.02	101	96.6
-40	0.00	0.01	0.01	0.10	0.71	2.32	5.01	7.77	9.03	8.89	7.56	5.40	3.05	1.34	0.59	0.22	0.06	0.01	0.01	52.1	45.0
-50	0.01	0.02	0.03	0.00	0.00	0.01	0.13	0.58	1.34	1.89	1.89	1.41	0.87	0.46	0.23	0.09	0.02	0.00	0.00	9.00	2.20
-60	0.00	0.00	0.00	0.00	0.00	0.02	0.07	0.13	0.18	0.22	0.22	0.20	0.15	0.11	0.07	0.03	0.01	0.01	0.01	1.42	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.04	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00
-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90																					
Φ t	0.07	0.25	0.75	6.18	28.7	80.1	151	216	258	262	229	173	111	57.6	22.6	6.71	1.36	0.17	1572		
Φ a	0.00	0.00	0.00	0.43	21.8	75.8	148	213	253	257	224	168	106	52.5	15.1	0.12	0.00	0.00			1489

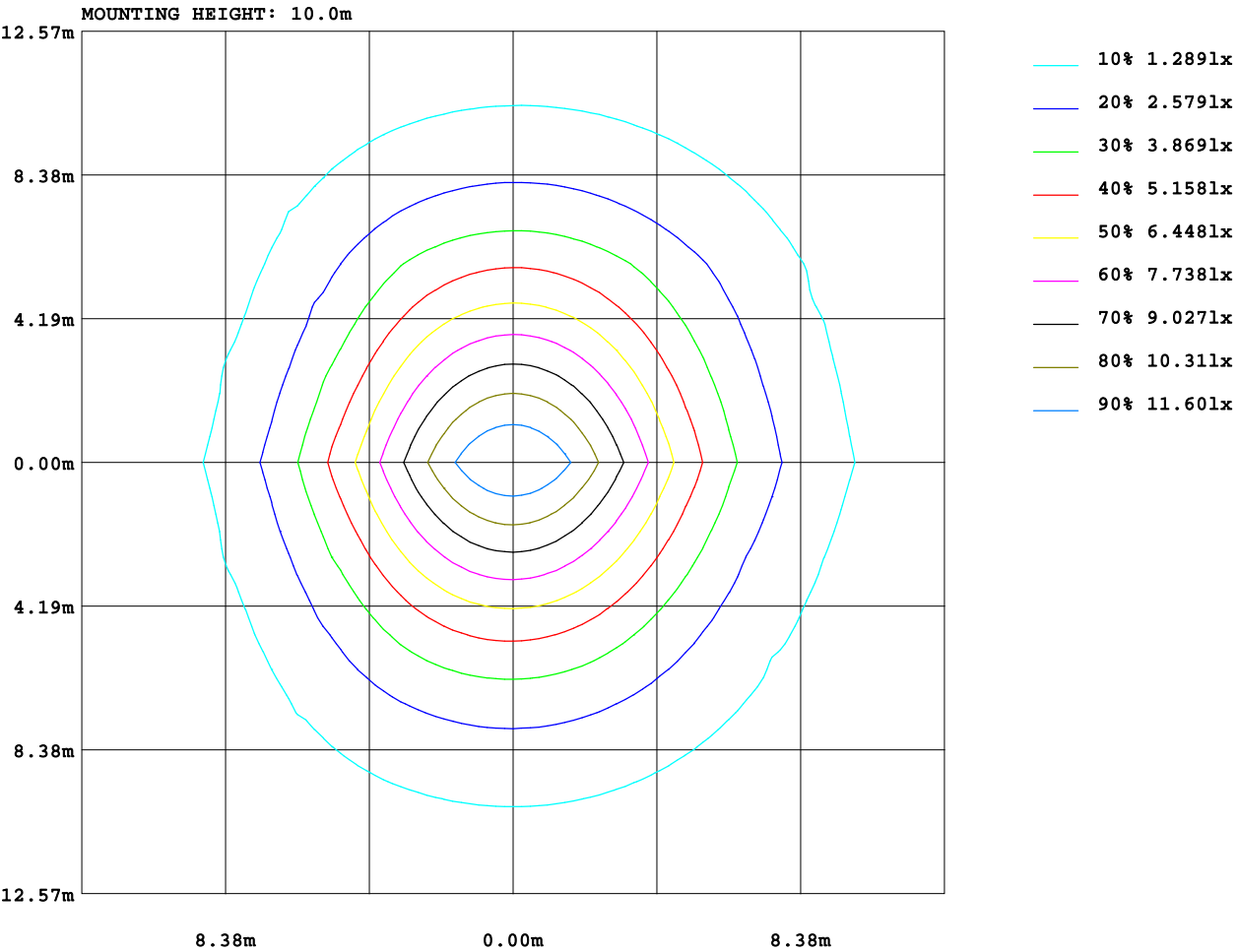
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2024年07月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: LI-TIAN LIGHTING			
Address:			
NAME: SL-20W-30K-60D		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2024年07月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks: