

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

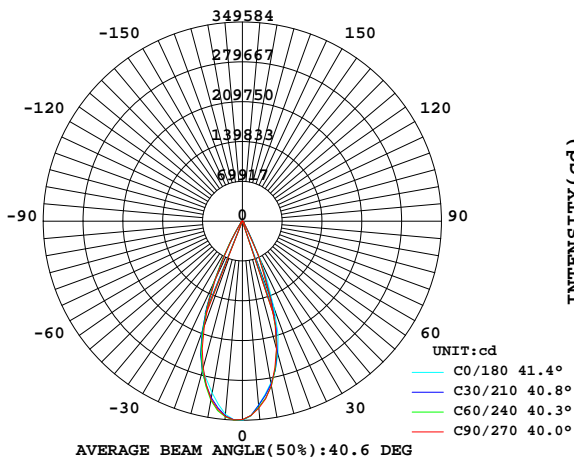
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

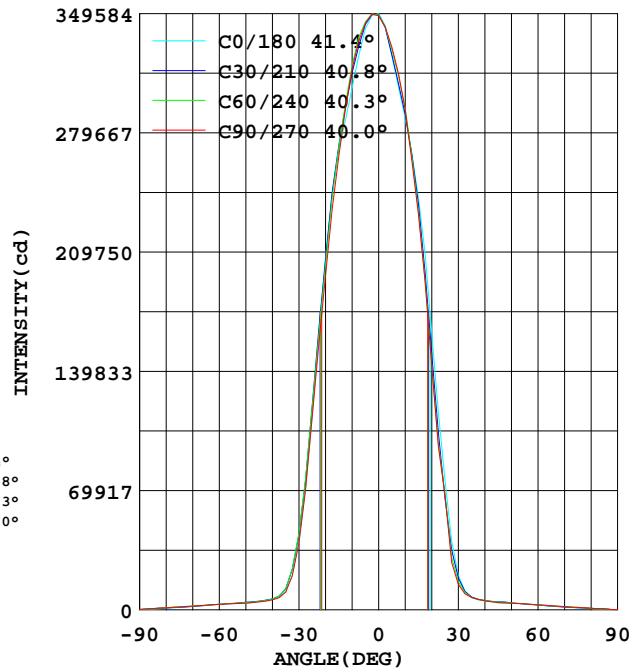
MANUFACTURER:	Address:		
NAME: LSHM-960W-LV (50K)PLUS 40	TYPE:	WEIGHT:	
SPECIFICATION:5000K 40	DIMENSION:	SERIAL No.:	

DATA OF LAMP		Imax(cd)	349784	S/MH(C0/180)	0.66
MODEL	5050	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.66
NOMINAL POWER(W)	960	TOTAL FLUX(lm)	161086	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	168.7	Current(A)	4.602
NOMINAL FLUX(lm)	161086.0	η up(%)	0.8	Power(W)	954.9
LAMPS QUANTITY	1	η down(%)	99.2	Power Factor(PF)	0.989
TEST VOLTAGE(V)	220.3	Effective Flux(lm)	0.0	EI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:03-31-2020

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

Color Temperature Data List

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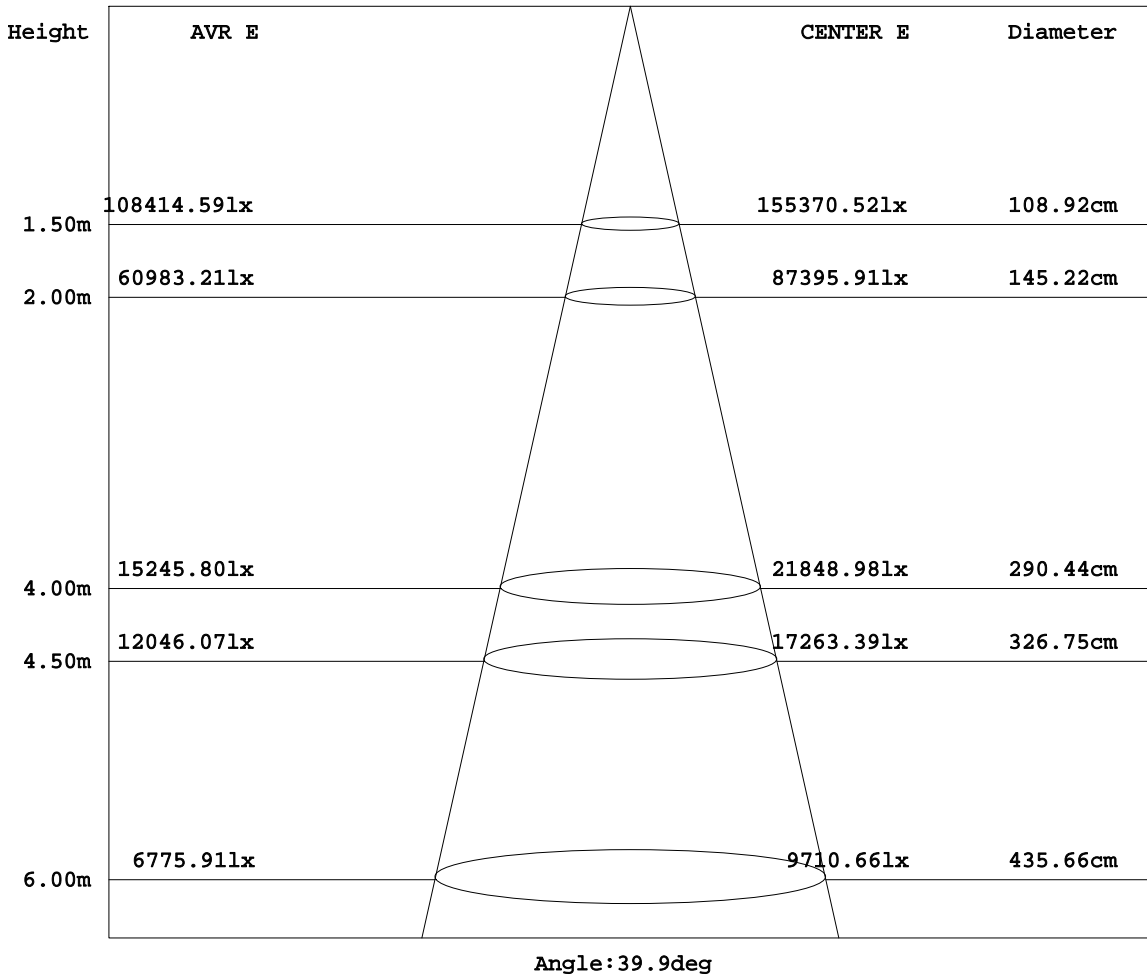
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ZONAL FLUX DIAGRAM

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γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φone	total
5.0	3407	3408	3439	3363	3246	3341	3297	3406	0- 5	8194	8194
10.0	3060	3096	3172	3027	2882	3018	2930	3111	5- 10	22897	31091
15.0	2700	2576	2660	2432	2413	2508	2316	2566	10- 15	33032	64124
20.0	2070	1871	1961	1670	1619	1700	1429	1740	15- 20	35352	99476
25.0	1148	1000	1134	830.9	755.7	821.3	671.3	880.8	20- 25	27142	126618
30.0	396.1	334.3	395.2	270.6	201.8	246.2	149.1	252.3	25- 30	13945	140563
35.0	108.4	103.4	103.7	97.01	71.79	89.05	72.32	105.5	30- 35	4926	145489
40.0	62.50	61.12	58.79	61.81	53.43	60.18	52.79	70.41	35- 40	2445	147934
45.0	49.06	50.39	46.35	52.39	40.82	50.66	42.64	55.42	40- 45	1989	149923
50.0	39.34	43.67	39.37	46.47	37.74	44.34	38.92	47.29	45- 50	1820	151743
55.0	37.48	37.50	36.56	37.86	35.07	36.05	35.14	39.82	50- 55	1717	153460
60.0	33.25	31.07	32.66	30.68	29.14	30.24	29.86	32.61	55- 60	1572	155032
65.0	27.22	24.83	27.56	24.84	23.13	24.52	24.23	25.96	60- 65	1363	156395
70.0	20.95	20.00	22.40	19.92	17.40	19.51	19.00	21.32	65- 70	1130	157525
75.0	14.78	16.19	17.47	16.10	11.75	15.59	14.50	17.31	70- 75	908.8	158434
80.0	9.628	12.20	11.86	11.56	7.394	11.47	9.671	12.81	75- 80	687.7	159121
85.0	5.307	6.542	6.993	5.983	3.594	6.305	6.045	7.126	80- 85	441.0	159562
90.0	2.481	2.165	2.761	1.884	1.332	2.389	1.207	2.409	85- 90	212.3	159775
95.0	1.356	1.112	1.653	1.070	1.087	0.719	0.284	0.831	90- 95	75.31	159850
100.0	1.133	0.896	1.475	0.873	0.820	0.520	0.389	0.522	95-100	45.90	159896
105.0	0.824	0.806	1.413	0.775	0.595	0.515	0.977	0.629	100-105	40.79	159937
110.0	0.585	0.718	1.359	0.697	0.497	0.412	0.834	0.411	105-110	37.54	159974
115.0	0.520	0.651	1.269	0.649	0.488	0.720	0.612	0.589	110-115	32.07	160006
120.0	0.524	0.629	1.509	0.652	0.567	0.825	0.853	0.866	115-120	32.68	160039
125.0	0.644	0.746	1.186	0.798	0.781	0.905	1.225	0.961	120-125	36.81	160076
130.0	0.961	1.096	1.400	1.189	1.276	1.272	1.731	1.232	125-130	45.80	160122
135.0	1.593	1.772	1.954	1.878	2.085	1.955	2.410	1.813	130-135	63.28	160185
140.0	2.498	2.685	2.645	2.810	3.071	2.959	3.268	2.711	135-140	86.57	160271
145.0	3.554	3.857	3.534	3.995	4.271	4.048	4.423	3.754	140-145	111.2	160383
150.0	4.833	5.080	4.736	5.187	5.479	5.215	5.568	4.922	145-150	133.1	160516
155.0	6.009	6.082	5.861	6.180	6.499	6.205	6.502	5.925	150-155	141.9	160658
160.0	6.909	6.903	6.807	6.953	7.291	6.953	7.276	6.678	155-160	137.3	160795
165.0	7.606	7.549	7.472	7.491	7.928	7.579	7.863	7.298	160-165	119.6	160915
170.0	8.159	8.032	7.932	7.844	8.489	8.070	8.314	7.774	165-170	92.36	161007
175.0	8.648	8.392	8.329	8.102	8.860	8.387	8.555	8.075	170-175	58.40	161066
180.0	8.879	8.549	8.525	8.209	8.941	8.514	8.599	8.194	175-180	20.00	161086
DEG	LUMINOUS INTENSITY:×100cd								UNIT:lm		

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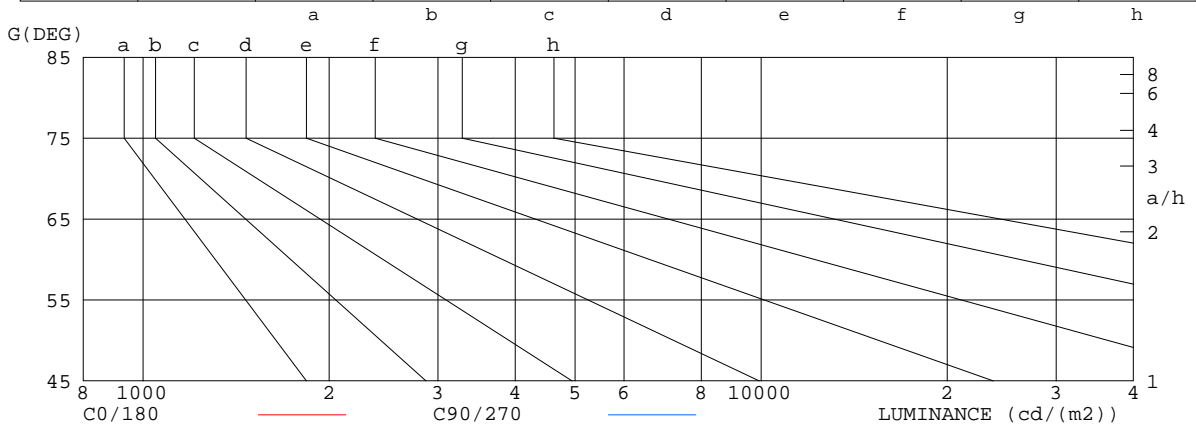
LUMINANCE LIMITATION CURVES

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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



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	60896	80241
80	55448	68303
75	57124	67519
70	61263	65506
65	64429	65233
60	66508	65336
55	65360	63757
50	61210	61260
45	69382	65562

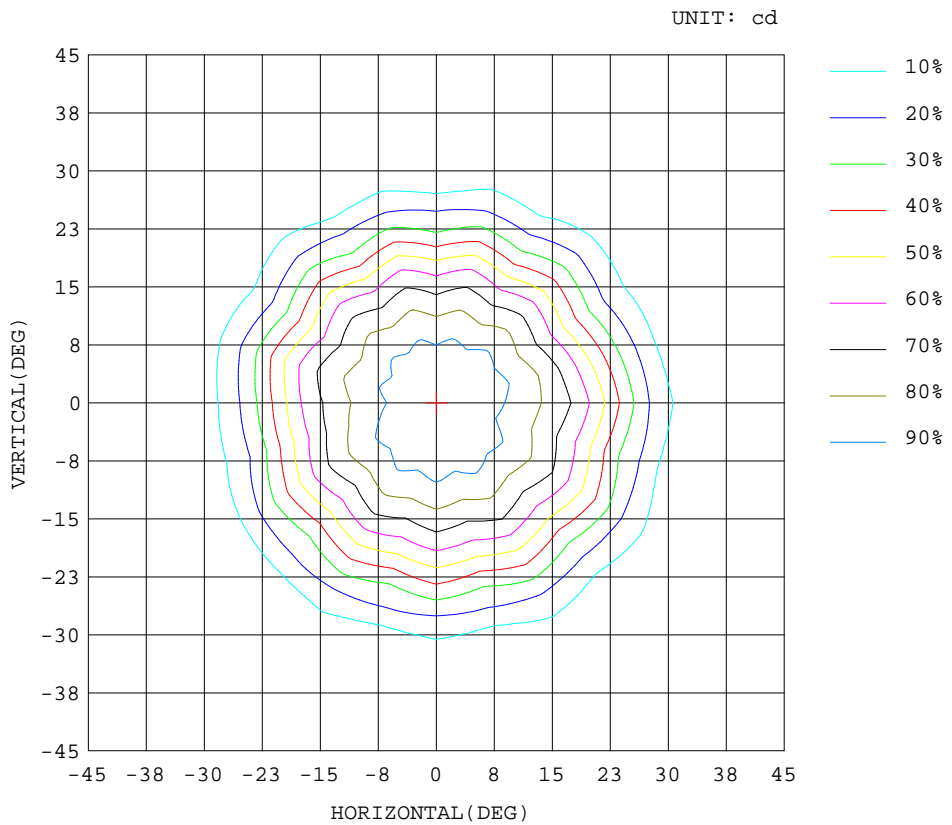
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