

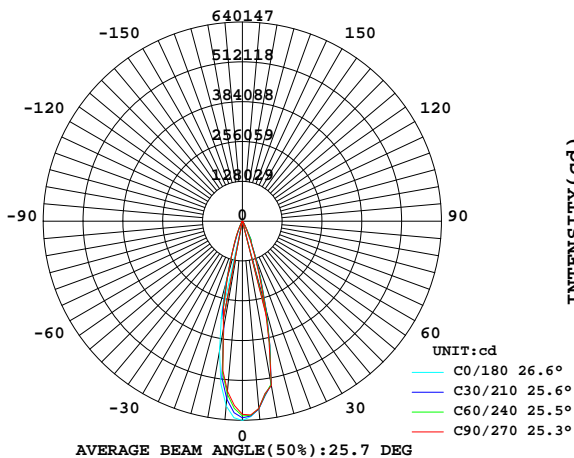
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

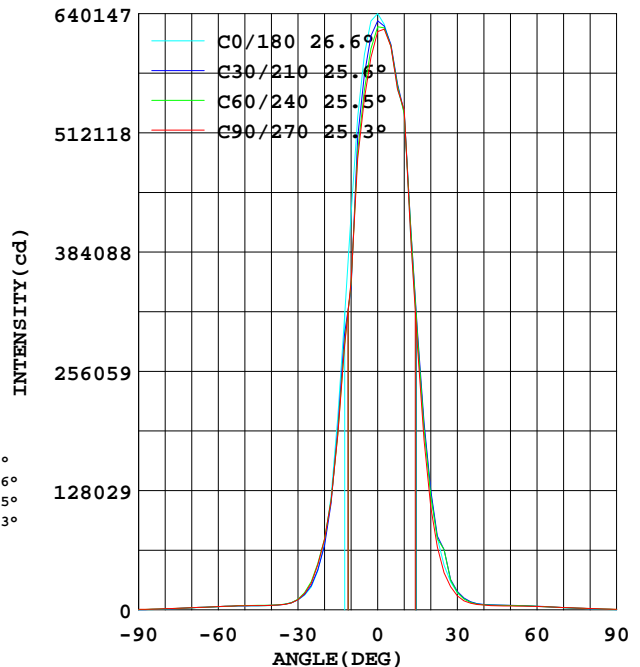
MANUFACTURER:	Address:		
NAME: LSHM-960W-LV (50K)PLUS 20	TYPE:	WEIGHT:	
SPECIFICATION:5000K 20	DIMENSION:	SERIAL No.:	

DATA OF LAMP		Imax(cd)	640147	S/MH(C0/180)	0.40
MODEL	5050	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.38
NOMINAL POWER(W)	960	TOTAL FLUX(lm)	156064	Voltage(V)	219.6
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	163.6	Current(A)	4.489
NOMINAL FLUX(lm)	156064.0	η up(%)	0.0	Power(W)	954.2
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	0.992
TEST VOLTAGE(V)	219.7	Effective Flux(lm)	125039.2	EI	0.104

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:01-09-2020

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

Color Temperature Data List

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-960W-LV (50K)PLUS 20	TYPE:	WEIGHT:
SPECIFICATION:5000K 20	DIMENSION:	SERIAL No.:

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:01-09-2020

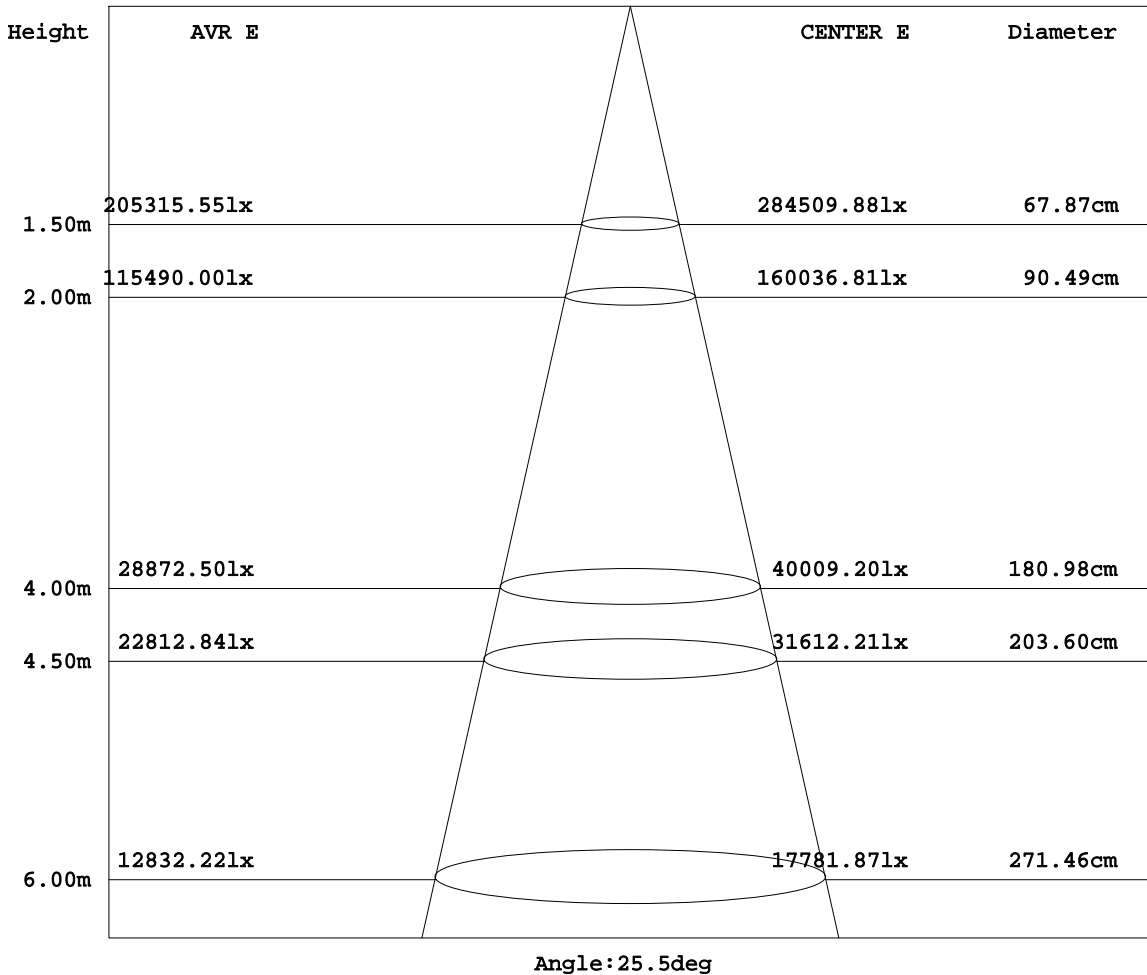
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.000 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-960W-LV (50K)PLUS 20	TYPE:	WEIGHT:
SPECIFICATION:5000K 20	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:01-09-2020

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

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-960W-LV (50K)PLUS 20	TYPE:	WEIGHT:
SPECIFICATION:5000K 20	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	one	total
5.0	5962	5645	5488	5515	6048	6069	6047	6059	0- 5	14429	14429
10.0	4250	3949	3531	4043	5357	5039	5365	4810	5- 10	37029	51457
15.0	2074	1901	1882	2209	2888	3008	2821	2706	10- 15	39684	91142
20.0	713.1	724.9	758.6	988.1	1258	1292	1102	1114	15- 20	26614	117756
25.0	247.0	286.5	286.7	432.4	479.3	528.2	398.3	431.5	20- 25	13657	131413
30.0	107.2	113.9	109.8	179.3	182.0	209.5	149.4	172.8	25- 30	6403	137816
35.0	61.60	60.01	60.08	85.19	84.22	88.64	71.16	81.34	30- 35	3091	140907
40.0	47.21	51.02	48.47	61.88	56.82	57.72	51.67	54.85	35- 40	2038	142945
45.0	42.63	48.66	45.02	56.36	48.99	53.06	43.27	48.63	40- 45	1858	144804
50.0	41.02	46.38	44.20	51.66	46.19	50.76	41.50	46.11	45- 50	1893	146697
55.0	38.07	42.20	40.47	44.84	43.06	46.25	40.13	42.33	50- 55	1910	148607
60.0	33.73	35.99	35.23	37.62	37.27	39.77	36.31	37.22	55- 60	1813	150420
65.0	27.78	29.53	28.90	30.42	30.66	33.34	31.11	31.37	60- 65	1617	152037
70.0	21.70	23.32	23.11	23.88	23.82	26.26	25.22	24.76	65- 70	1357	153395
75.0	15.18	16.84	17.65	17.41	16.87	19.19	19.76	18.56	70- 75	1072	154466
80.0	9.119	10.92	12.52	11.48	10.94	13.77	14.85	13.61	75- 80	790.3	155257
85.0	2.899	6.251	8.193	6.674	5.764	8.875	9.818	8.692	80- 85	523.7	155780
90.0	1.552	3.272	5.512	3.383	1.549	3.881	5.700	3.769	85- 90	283.5	156064
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:×100cd								UNIT:lm		

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:01-09-2020

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

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

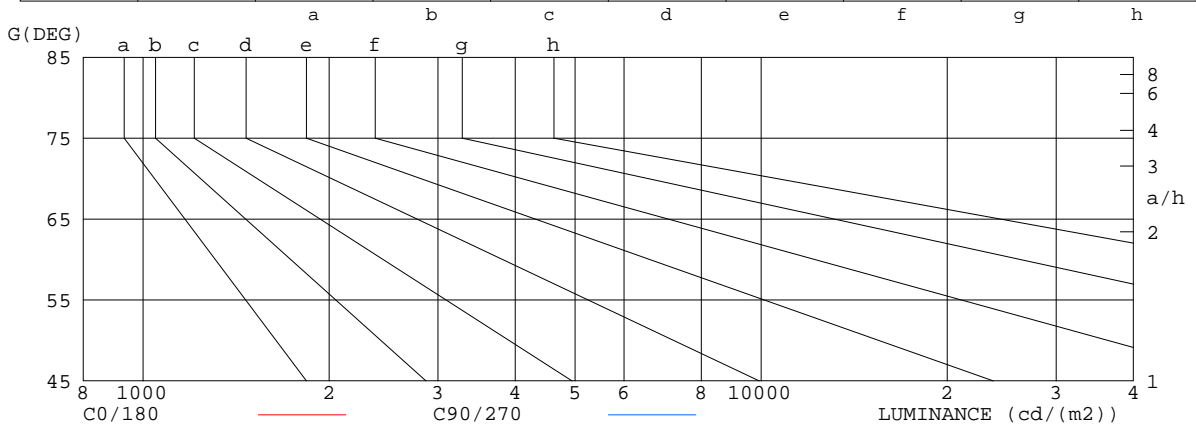
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-960W-LV (50K)PLUS 20	TYPE:	WEIGHT:
SPECIFICATION:5000K 20	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



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	33269	94012
80	52517	72130
75	58669	68213
70	63474	67579
65	65735	68384
60	67462	70473
55	66377	70573
50	63817	68778
45	60298	63671

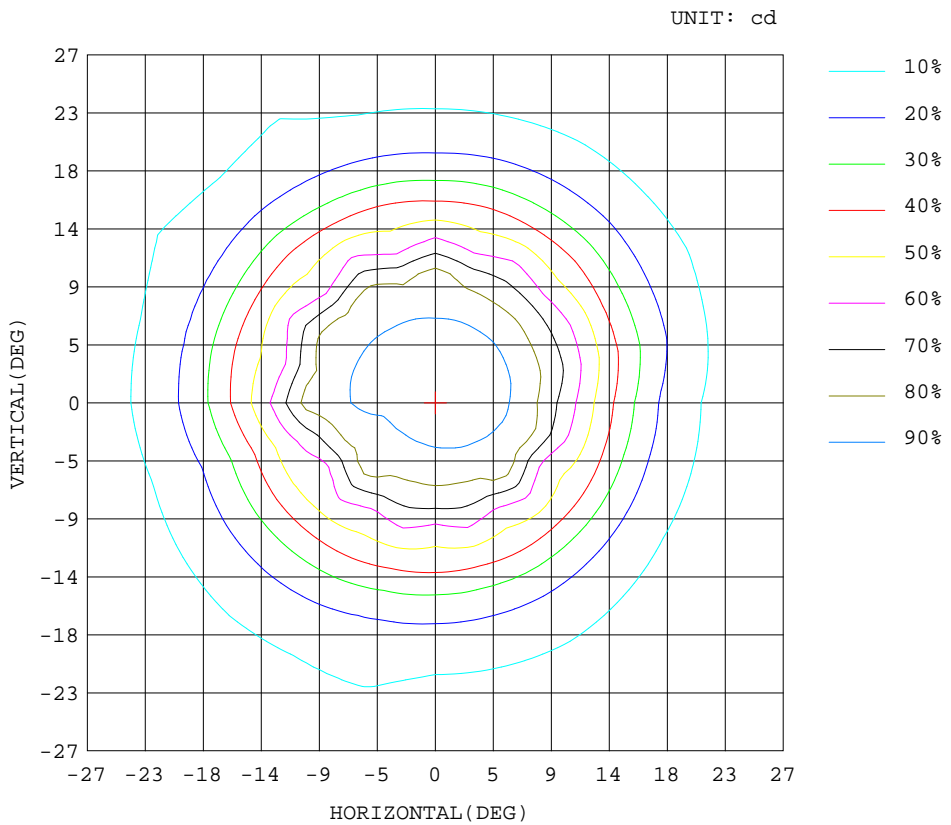
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:01-09-2020

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

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-960W-LV (50K)PLUS 20	TYPE:	WEIGHT:
SPECIFICATION:5000K 20	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:01-09-2020

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