

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

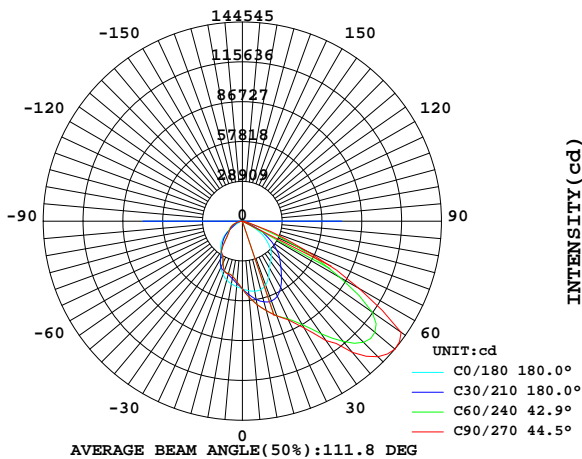
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

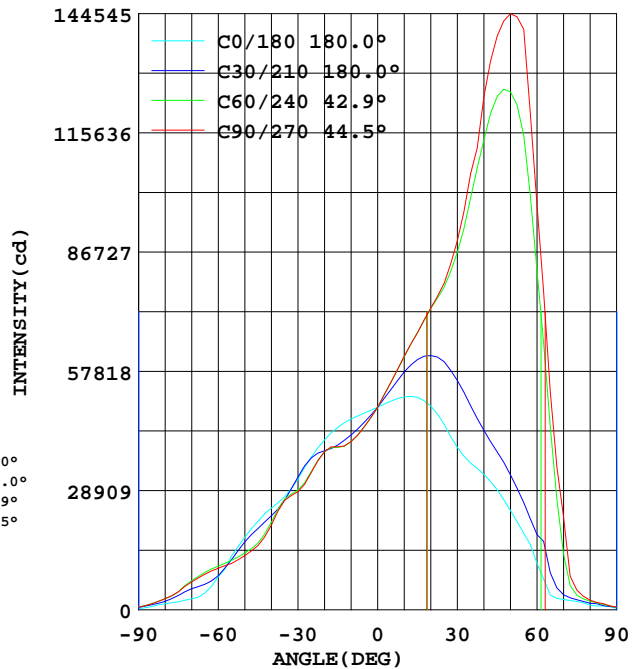
MANUFACTURER:	Address:		
NAME: LSHM-960W-LV (50K)PLUS P50	TYPE:	WEIGHT:	
SPECIFICATION:5000K P50	DIMENSION:	SERIAL No.:	

DATA OF LAMP		Imax(cd)	199843	S/MH(C0/180)	1.03
MODEL	5050	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.94
NOMINAL POWER(W)	960	TOTAL FLUX(lm)	153352	Voltage(V)	220.6
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	160.6	Current(A)	4.534
NOMINAL FLUX(lm)	153352.0	η up(%)	0.0	Power(W)	954.5
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	0.988
TEST VOLTAGE(V)	220.7	Effective Flux(lm)	131914.5	EI	0.099

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:03-30-2020

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 P50	TYPE:	WEIGHT:
SPECIFICATION:5000K P50	DIMENSION:	SERIAL No.:

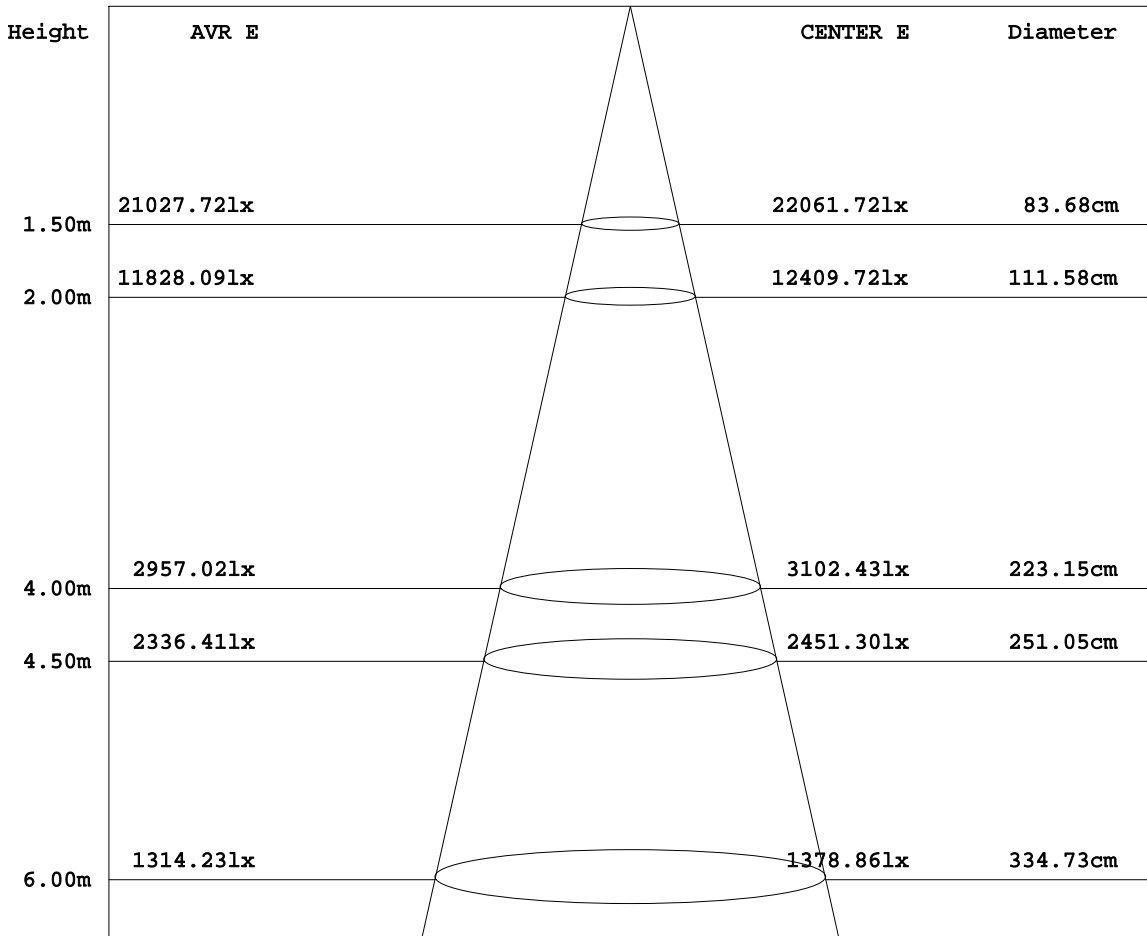
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:03-30-2020

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

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-960W-LV (50K)PLUS P50	TYPE:	WEIGHT:
SPECIFICATION:5000K P50	DIMENSION:	SERIAL No.:



Angle:31.2deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:03-30-2020

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 P50	TYPE:	WEIGHT:
SPECIFICATION:5000K P50	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	one	total
5.0	477.2	447.8	444.2	464.8	506.0	544.5	552.0	521.6	0- 5	1179	1179
10.0	462.9	413.1	408.2	438.6	516.0	600.0	615.4	550.6	5- 10	3560	4739
15.0	442.2	393.4	395.4	412.2	515.3	646.5	671.8	569.1	10- 15	5969	10708
20.0	412.1	390.4	383.8	384.5	494.0	682.3	731.7	565.3	15- 20	8344	19053
25.0	370.2	359.8	332.8	351.6	450.2	697.5	791.5	534.8	20- 25	10421	29473
30.0	316.9	304.5	286.5	307.4	393.9	694.6	894.8	481.9	25- 30	11991	41464
35.0	274.6	269.7	265.7	266.6	355.7	687.7	1058	421.1	30- 35	13394	54859
40.0	246.9	238.9	205.7	236.9	328.6	680.2	1244	375.3	35- 40	14885	69744
45.0	215.1	194.5	156.4	210.7	290.9	647.7	1391	336.2	40- 45	16265	86009
50.0	176.4	147.3	131.6	174.0	240.6	578.6	1445	283.4	45- 50	16956	102964
55.0	130.7	114.0	112.6	125.4	185.7	466.6	1407	223.1	50- 55	16627	119591
60.0	80.22	93.30	101.0	74.87	112.6	321.5	980.9	162.7	55- 60	14308	133900
65.0	41.16	75.62	86.60	52.35	35.98	166.6	527.5	82.82	60- 65	9375	143275
70.0	27.09	53.80	68.22	40.14	25.31	43.90	224.0	32.86	65- 70	4929	148204
75.0	19.68	36.20	44.09	27.38	20.20	24.07	47.98	23.59	70- 75	2415	150619
80.0	15.01	24.42	27.19	16.92	11.98	17.19	23.39	16.37	75- 80	1406	152025
85.0	8.085	15.17	15.07	8.307	10.04	9.616	15.00	9.744	80- 85	865.9	152891
90.0	3.075	6.860	6.561	3.507	3.660	5.970	6.435	6.939	85- 90	461.3	153352
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:03-30-2020

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

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

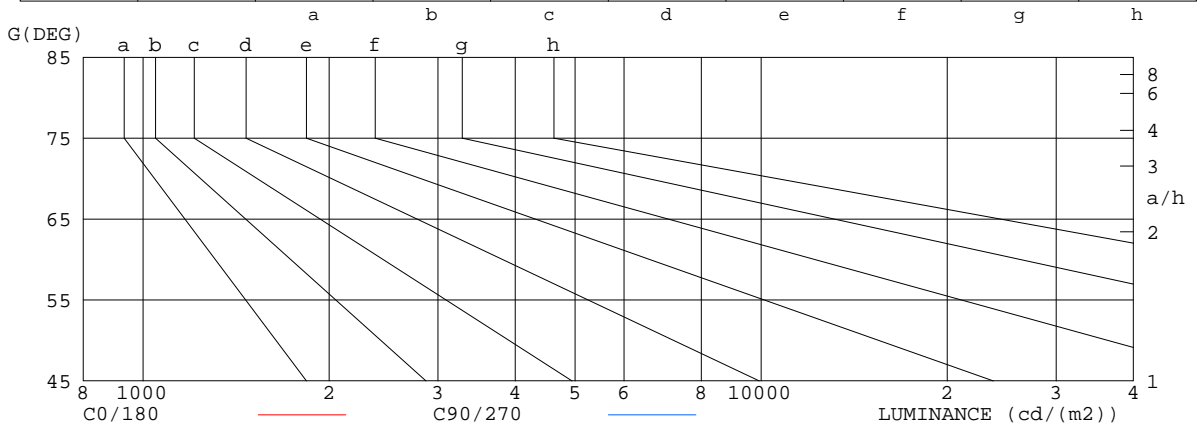
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:	Address:	
NAME: LSHM-960W-LV (50K)PLUS P50	TYPE:	WEIGHT:
SPECIFICATION:5000K P50	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	93721	172164
80	87359	155939
75	76839	169611
70	80041	198596
65	98393	204010
60	162099	201237
55	230340	195568
50	277386	203924
45	307347	220319

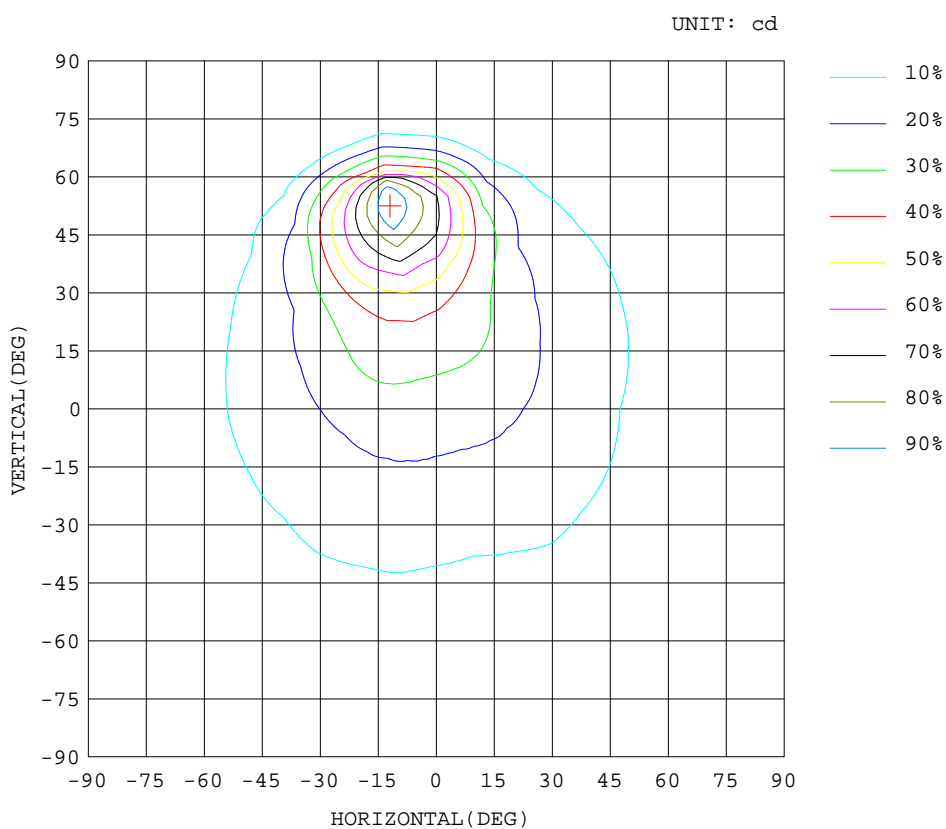
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:03-30-2020

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 P50	TYPE:	WEIGHT:
SPECIFICATION:5000K P50	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:03-30-2020

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