Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P324963

Luminaire Tested: **GLEON-SA9B-830-U-AFL-HSS**

Issue Date: 3/3/2020

Report Generated By E0585644

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P324963
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA9B-830-U-AFL-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	33234 lumens
Efficiency:	N/A
Efficacy:	88.9 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	374
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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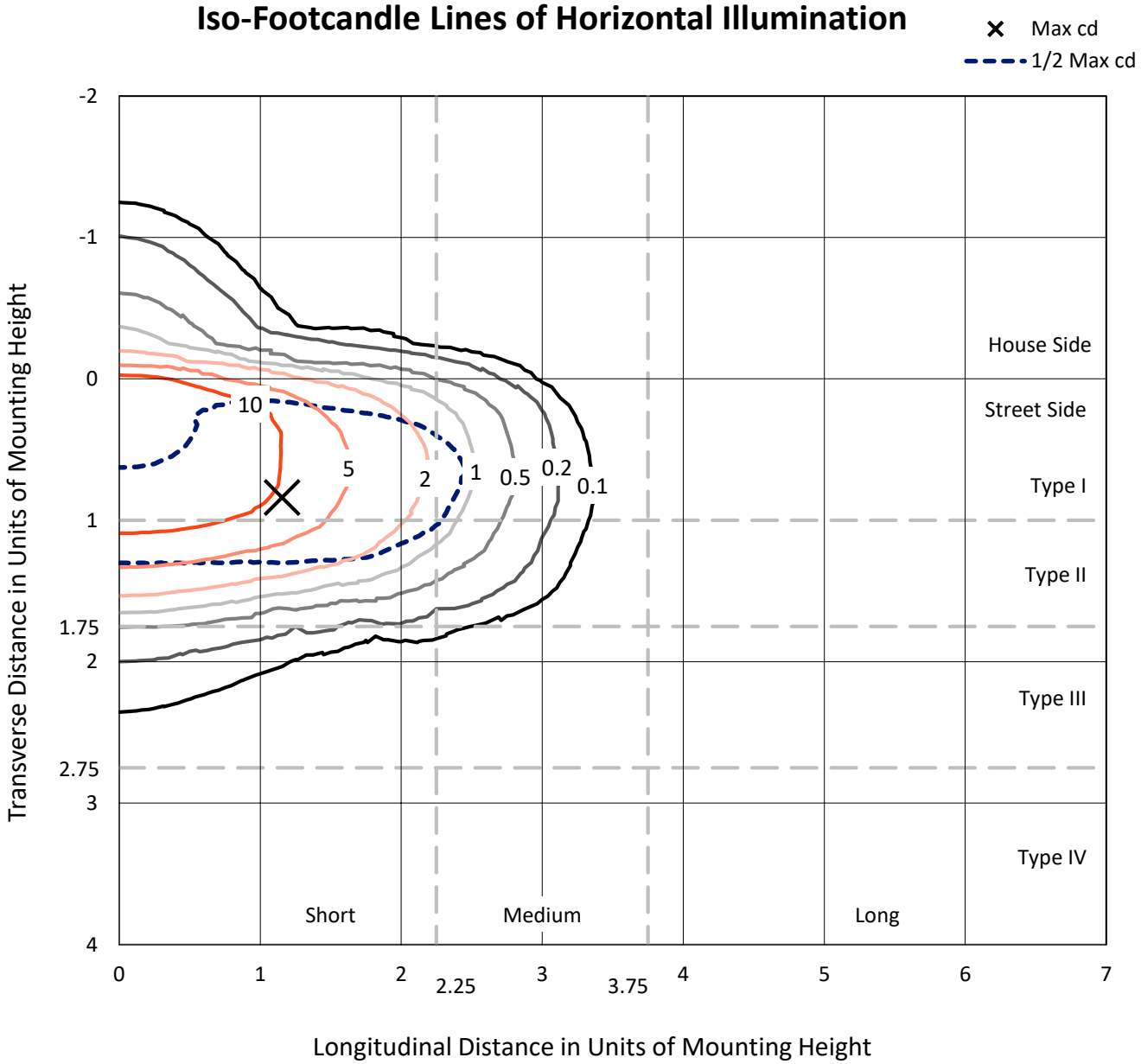
Scaled Data Report

REPORT NUMBER: P324963
CATALOG NUMBER: GLEON-SA9B-830-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 18.3 fc
Type II - Short - N/A

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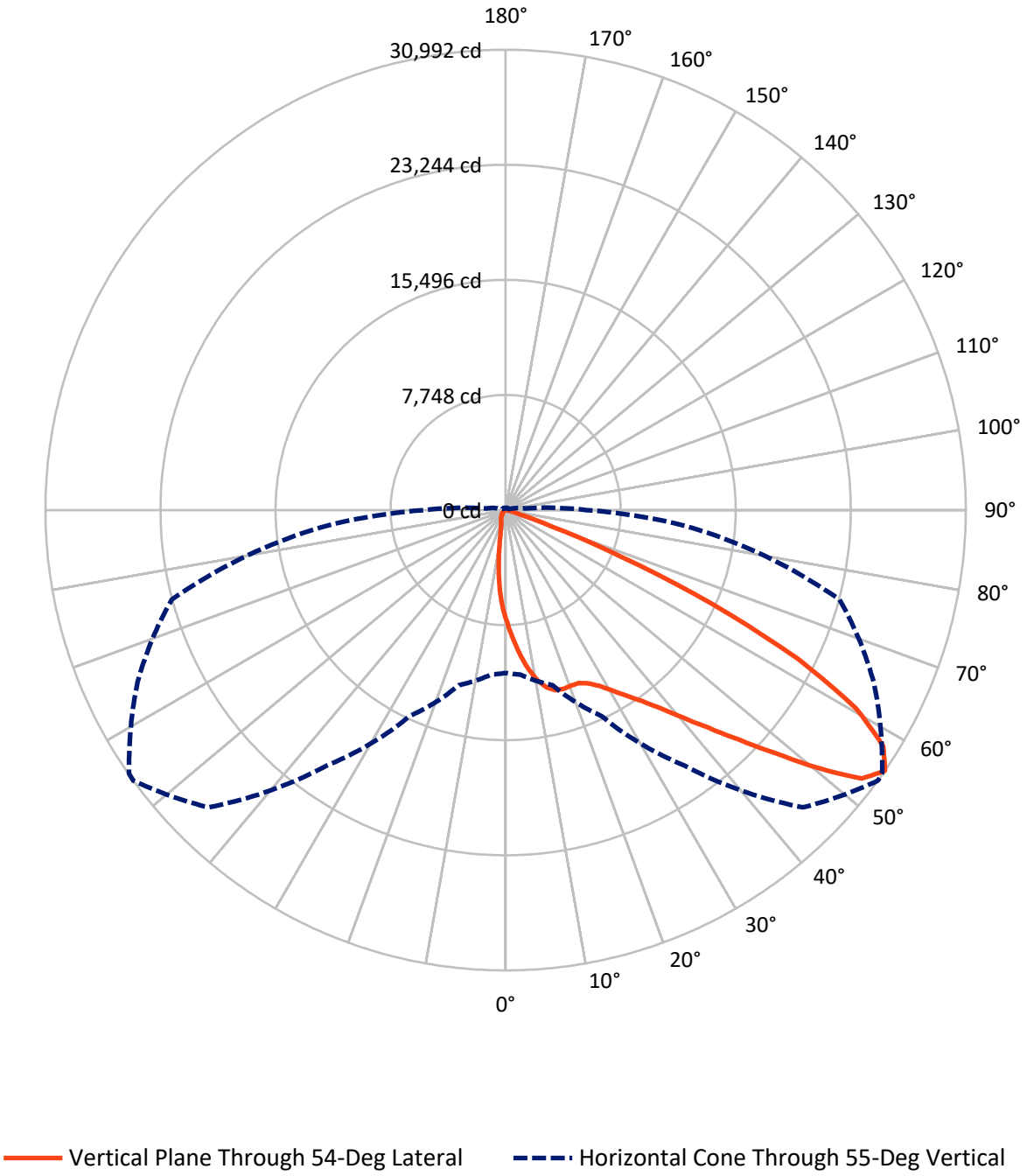
Luminous Intensity Polar Plot



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REPORT NUMBER: P324963
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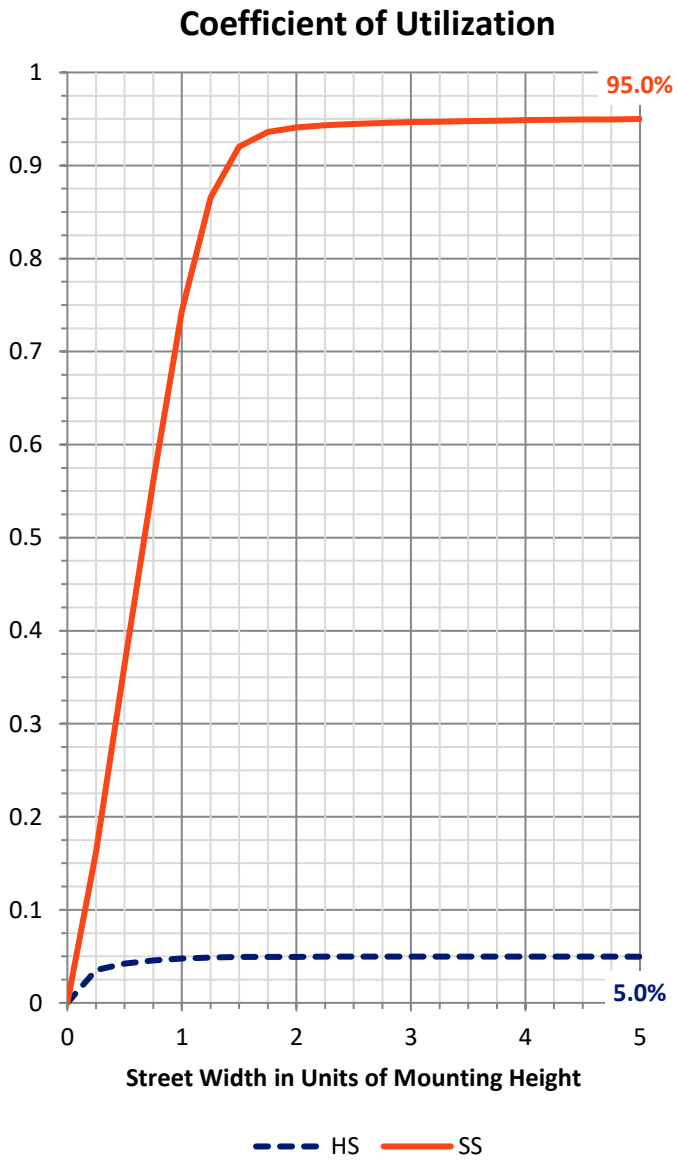
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1658.1	0.0	1658.1
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	31575.9	0.0	31575.9
	% Fixture	95.0	0.0	95.0
Total	Lumens	33234.0	0.0	33234.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	685.4	2.1
10°-20°	1879.8	5.7
20°-30°	3209.4	9.7
30°-40°	5150.6	15.5
40°-50°	8230.7	24.8
50°-60°	8819.4	26.5
60°-70°	4528.1	13.6
70°-80°	685.9	2.1
80°-90°	44.7	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	33234.0	100.0
0°-180°	33234.0	100.0



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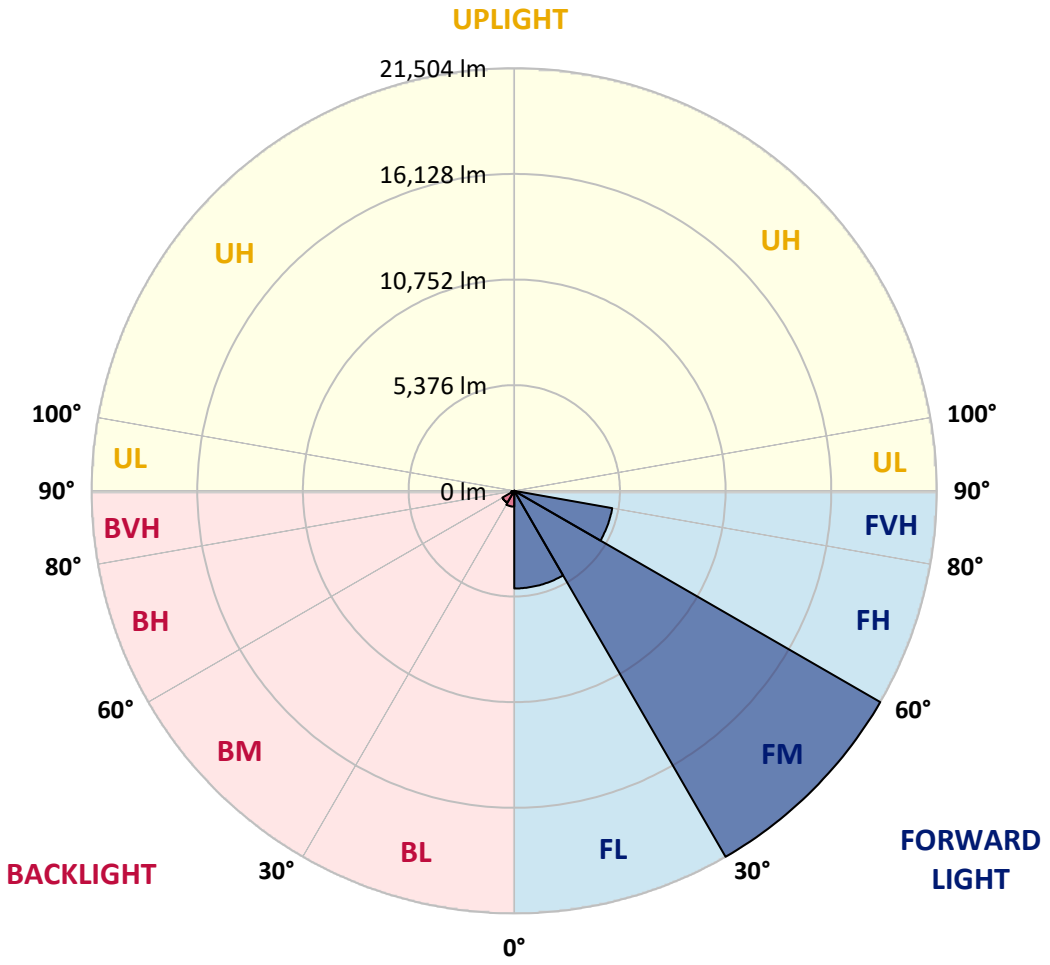
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4967.9	14.9			
FM	(30°-60°)	21503.9	64.7			
FH	(60°-80°)	5061.2	15.2			G3/7500
FVH	(80°-90°)	42.9	0.1			G1/100
BL	(0°-30°)	806.7	2.4	B2/1000		
BM	(30°-60°)	696.8	2.1	B1/1000		
BH	(60°-80°)	152.8	0.5	B1/500		G1/500
BVH	(80°-90°)	1.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type II Short



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Scaled Data Report

REPORT NUMBER: P324963
CATALOG NUMBER: GLEON-SA9B-830-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7443.1	7443.1	7443.1	7443.1	7443.1	7443.1	*7443.1*	7443.1	7443.1	7443.1	7443.1
2.5°	9340.5	9201.2	9205.5	9142.4	8911.3	8730.5	*8542.5*	8498.0	8205.2	7898.0	7602.4
5°	10955.1	10853.2	10828.8	10706.8	10385.3	10045.1	*9680.6*	9595.9	9023.3	8394.6	7776.1
7.5°	11784.6	11786.1	11766.0	11721.5	11520.6	11190.5	*10745.5*	10656.6	9877.2	8934.3	7956.9
10°	11543.5	11598.1	11710.0	11857.8	12011.4	11969.8	*11635.4*	11555.0	10708.2	9505.5	8157.8
12.5°	10980.9	10988.1	11113.0	11355.5	11797.6	12251.1	*12256.8*	12229.6	11501.9	10102.6	8378.8
15°	10701.0	10728.3	10774.2	10930.7	11349.8	12076.0	*12595.5*	12634.3	12229.6	10736.9	8614.2
17.5°	10884.8	10923.5	10884.8	10903.4	11146.0	11799.0	*12654.4*	12753.4	12865.4	11364.1	8836.7
20°	11382.8	11418.7	11349.8	11273.7	11321.1	11718.6	*12612.8*	12746.2	13363.4	11921.0	9023.3
22.5°	12054.5	12068.8	11964.0	11839.2	11804.7	11991.3	*12647.2*	12785.0	13762.4	12424.8	9141.0
25°	12793.6	12806.5	12675.9	12532.4	12450.6	12526.7	*12930.0*	13033.3	14114.0	12905.6	9208.4
27.5°	13598.8	13610.2	13446.6	13270.1	13175.4	13178.2	*13396.4*	13506.9	14488.6	13453.8	9262.9
30°	14449.9	14444.1	14293.4	14048.0	13927.4	13924.6	*14068.1*	14180.0	15031.1	14157.1	9337.6
32.5°	15405.7	15394.2	15180.4	14876.1	14739.8	14759.9	*14887.6*	14952.2	15704.2	14906.3	9471.1
35°	16664.4	16631.4	16308.5	15931.0	15679.8	15672.7	*15780.3*	15832.0	16562.5	15813.3	9693.5
37.5°	18297.7	18267.6	17829.8	17281.6	16928.5	16796.5	*16924.2*	16990.2	17786.8	16977.3	10050.9
40°	19908.0	19877.9	19618.1	19115.8	18571.8	18254.6	*18355.1*	18425.4	19315.3	18389.6	10501.5
42.5°	21018.9	21044.7	21135.1	21176.8	20667.3	20001.3	*20047.2*	20120.4	20921.3	19899.4	11016.8
45°	21311.7	21367.6	21878.6	22881.8	23072.7	22553.1	*22072.3*	22112.5	22553.1	21409.3	11532.0
47.5°	20431.9	20535.2	21521.2	23387.0	25003.1	25370.5	*24460.6*	24407.5	24119.0	22630.6	11898.0
50°	18432.6	18527.3	19804.7	22564.6	25588.6	28060.1	*27322.4*	27166.0	25492.5	23361.2	12027.2
52.5°	15539.2	15654.0	16691.7	19975.5	24485.0	29260.0	*30032.1*	29901.5	26500.0	23418.6	12048.7
55°	*10973.7*	*11113.0*	*12210.9*	*15309.6*	*20987.3*	*28305.5*	*30992.3*	*30953.5*	*27336.8*	*23266.4*	*12094.6*
57.5°	6167.2	6267.6	7451.7	9814.1	15371.3	24654.3	*29989.0*	30246.0	27841.9	23002.4	12163.5
60°	2738.4	2765.7	3378.5	4885.5	8998.9	18841.6	*27117.2*	27550.6	27408.5	22649.3	12279.8
62.5°	1518.5	1495.5	1495.5	2030.8	3911.0	11664.1	*22112.5*	22828.7	25558.5	22231.7	12285.5
65°	1189.8	1168.3	1106.6	1115.2	1489.8	5176.9	*15312.4*	16585.5	22045.1	21007.4	11872.2
67.5°	1009.0	990.3	928.6	904.2	925.7	1707.9	*8413.3*	9735.1	16727.6	17825.5	10283.4
70°	852.5	839.6	808.0	777.9	723.4	843.9	*3219.2*	4117.7	10307.8	11857.8	7019.7
72.5°	686.0	680.3	691.8	665.9	599.9	562.6	*1100.8*	1333.3	4630.0	5291.7	2892.0
75°	591.3	588.4	594.2	568.3	493.7	391.8	*559.7*	611.4	1306.1	1294.6	585.6
77.5°	384.6	388.9	492.3	480.8	424.8	261.2	*289.9*	312.9	396.1	297.1	178.0
80°	245.4	242.6	249.7	399.0	381.8	199.5	*145.0*	152.1	190.9	146.4	86.1
82.5°	149.3	146.4	163.6	186.6	192.3	139.2	*89.0*	90.4	119.1	94.7	45.9
85°	12.9	17.2	99.0	91.9	66.0	43.1	*43.1*	45.9	63.1	56.0	25.8
87.5°	0.0	0.0	17.2	25.8	14.4	15.8	*15.8*	17.2	24.4	24.4	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0

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REPORT NUMBER: P324963
CATALOG NUMBER: GLEON-SA9B-830-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7443.1	7443.1	7443.1	7443.1	7443.1	7443.1	7443.1	7443.1	7443.1	7443.1	7443.1
2.5°	7448.8	7299.6	6998.2	6708.2	6462.8	6226.0	5956.2	5689.2	5564.4	5514.1	5462.5
5°	7461.7	7154.6	6533.1	5907.4	5258.7	4674.5	4176.5	3665.6	3410.1	3298.1	3246.5
7.5°	7479.0	7011.1	6006.4	4955.8	3911.0	3118.7	2427.0	1982.0	1789.7	1759.6	1685.0
10°	7481.8	6837.4	5395.0	3905.3	2622.2	1880.1	1446.7	1217.1	1132.4	1118.0	1093.6
12.5°	7487.6	6632.2	4716.2	2892.0	1748.1	1257.3	1046.3	970.2	947.2	945.8	945.8
15°	7504.8	6416.9	4011.5	2083.9	1255.8	996.0	918.5	888.4	879.8	884.1	882.7
17.5°	7504.8	6162.9	3319.7	1552.9	1014.7	895.6	852.5	832.4	829.6	833.9	835.3
20°	7450.3	5854.3	2685.3	1208.5	899.9	831.0	792.2	773.6	766.4	769.3	770.7
22.5°	7319.7	5475.4	2168.6	1000.4	823.8	772.2	730.5	701.8	690.3	691.8	691.8
25°	7115.9	5026.2	1696.4	865.4	762.1	709.0	660.2	627.2	620.0	618.6	621.5
27.5°	6854.6	4529.6	1350.5	762.1	688.9	638.7	589.9	562.6	556.9	558.3	559.7
30°	6597.7	4014.3	1064.9	674.6	607.1	559.7	522.4	509.5	509.5	513.8	515.2
32.5°	6362.4	3519.2	842.5	598.5	533.9	490.8	469.3	467.9	475.1	477.9	479.4
35°	6160.0	3061.3	697.5	539.6	476.5	439.2	432.0	437.7	446.4	452.1	453.5
37.5°	6016.5	2652.3	610.0	490.8	432.0	401.9	400.4	411.9	423.4	436.3	439.2
40°	5956.2	2306.4	549.7	447.8	396.1	373.2	368.9	384.6	406.2	424.8	427.7
42.5°	5906.0	2023.7	498.0	406.2	367.4	334.4	333.0	353.1	378.9	397.6	401.9
45°	5862.9	1796.9	450.7	361.7	330.1	287.0	291.4	317.2	337.3	357.4	361.7
47.5°	5773.9	1610.3	399.0	314.3	272.7	245.4	254.0	277.0	292.8	322.9	327.2
50°	5614.6	1458.2	345.9	256.9	222.5	212.4	225.3	241.1	261.2	287.0	289.9
52.5°	5507.0	1343.4	300.0	215.3	183.7	186.6	199.5	205.2	216.7	226.8	223.9
55°	*5445.2*	*1280.2*	*262.6*	*186.6*	*156.4*	*165.1*	*167.9*	*160.7*	*155.0*	*145.0*	*140.7*
57.5°	5438.1	1222.8	233.9	162.2	137.8	142.1	132.0	107.6	87.5	76.1	73.2
60°	5426.6	1152.5	211.0	136.3	122.0	116.3	94.7	58.8	41.6	38.8	38.8
62.5°	5301.7	1043.4	193.8	114.8	103.3	87.5	54.5	27.3	23.0	24.4	24.4
65°	4904.2	891.3	176.5	93.3	81.8	63.1	27.3	15.8	8.6	10.0	10.0
67.5°	4169.3	710.4	157.9	71.8	61.7	40.2	15.8	7.2	0.0	0.0	0.0
70°	2791.5	440.6	133.5	50.2	40.2	24.4	11.5	1.4	0.0	0.0	0.0
72.5°	1070.7	238.2	107.6	30.1	25.8	17.2	7.2	0.0	0.0	0.0	0.0
75°	241.1	156.4	74.6	21.5	18.7	11.5	2.9	0.0	0.0	0.0	0.0
77.5°	91.9	113.4	43.1	14.4	12.9	7.2	0.0	0.0	0.0	0.0	0.0
80°	44.5	67.5	20.1	8.6	7.2	2.9	0.0	0.0	0.0	0.0	0.0
82.5°	23.0	25.8	8.6	4.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.9	12.9	4.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.2	4.3	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

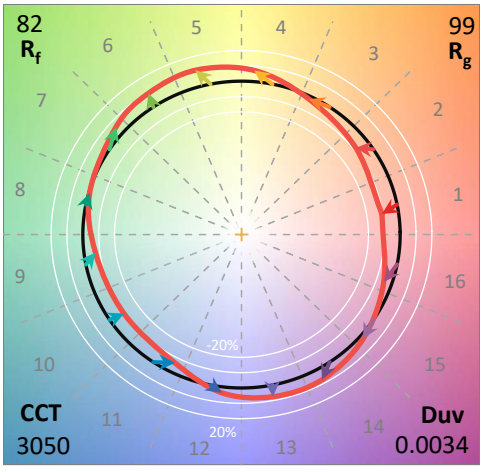
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

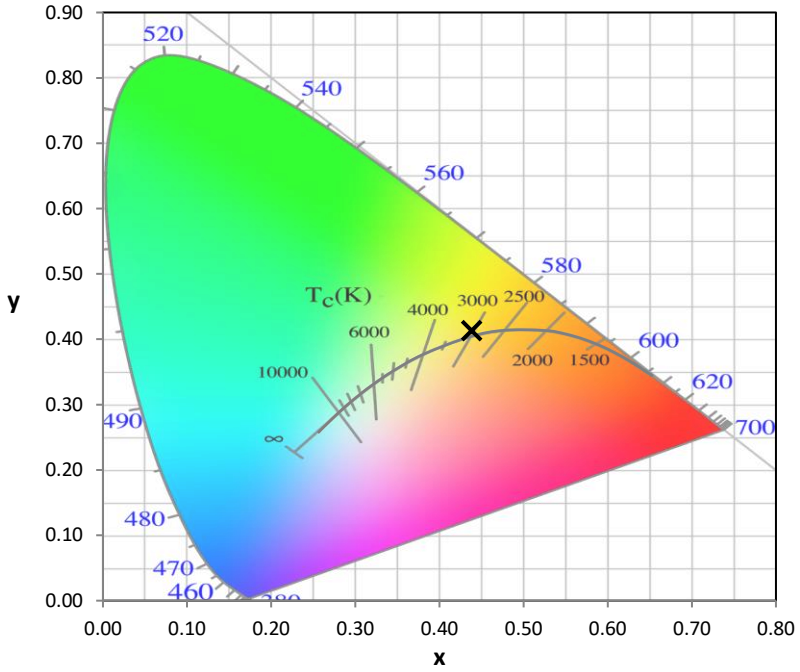
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

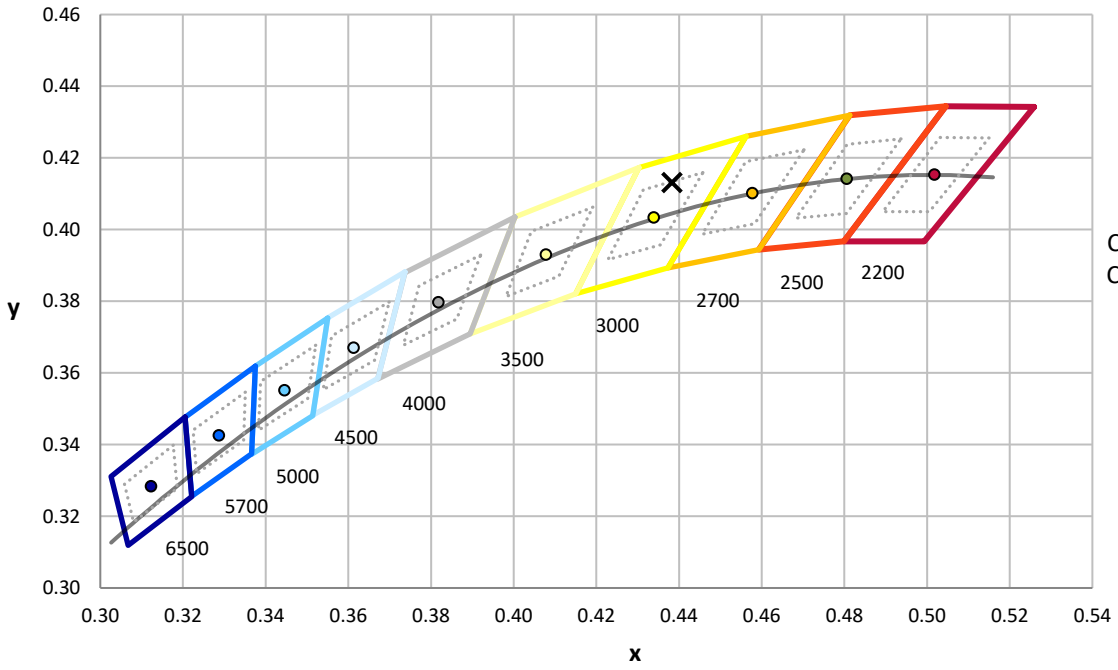
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

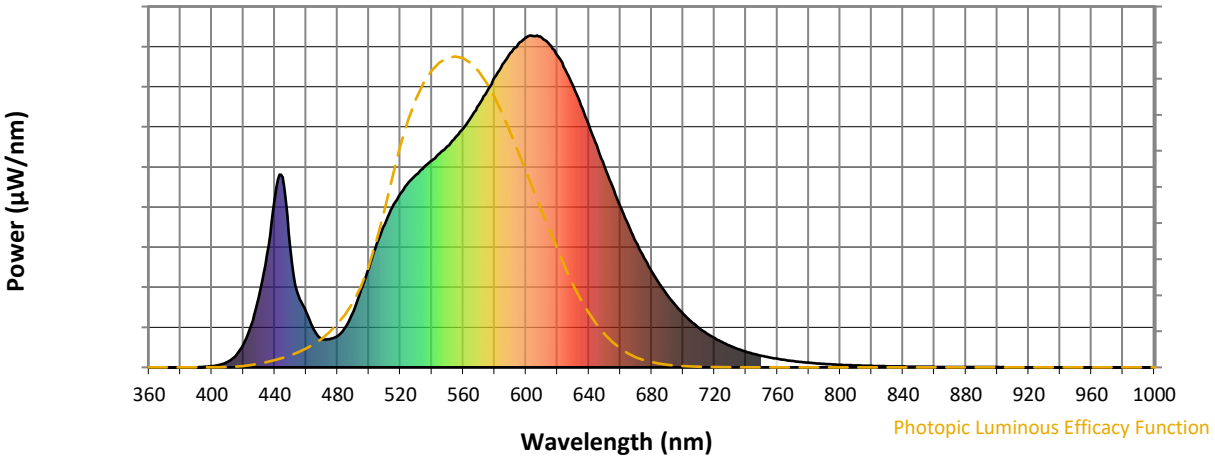


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

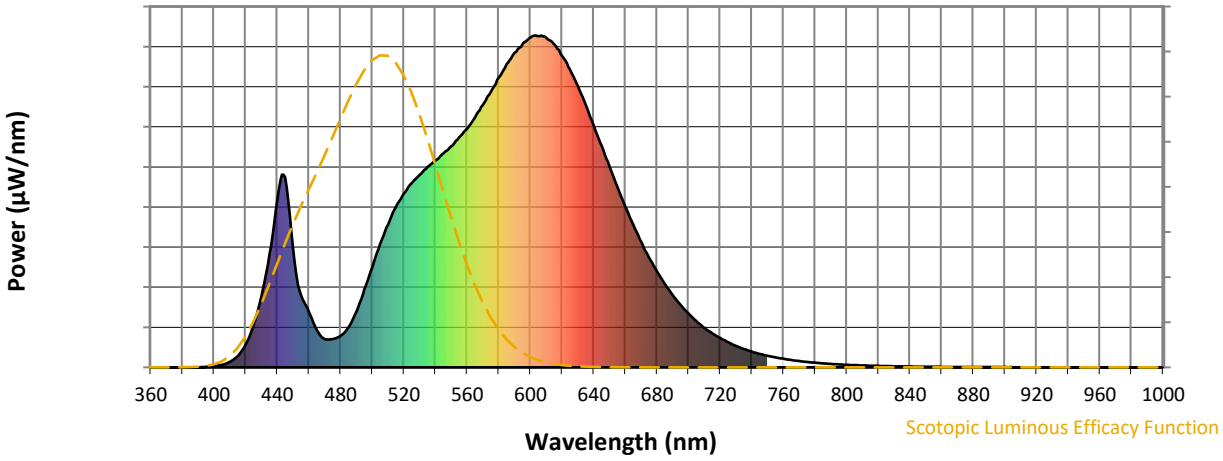


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

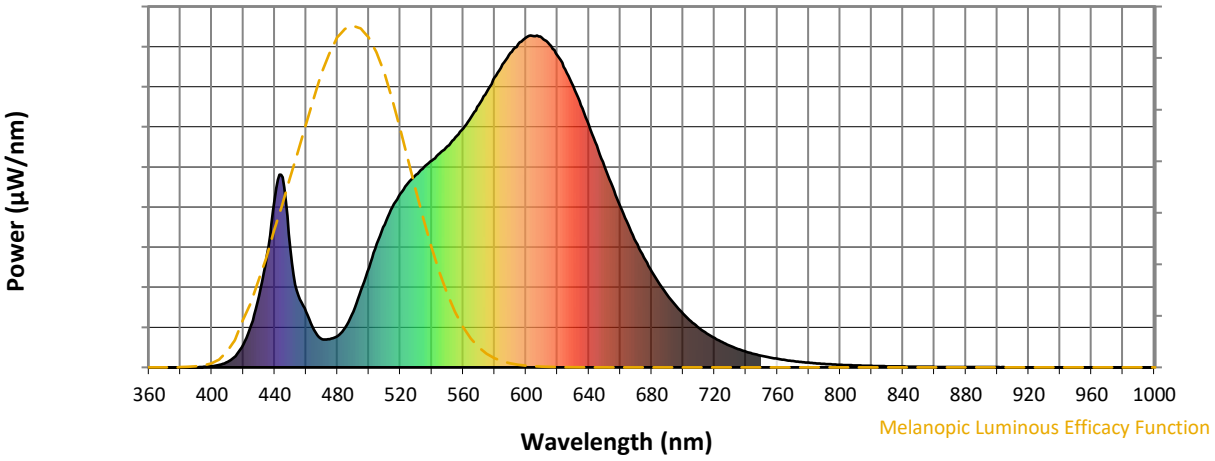


Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

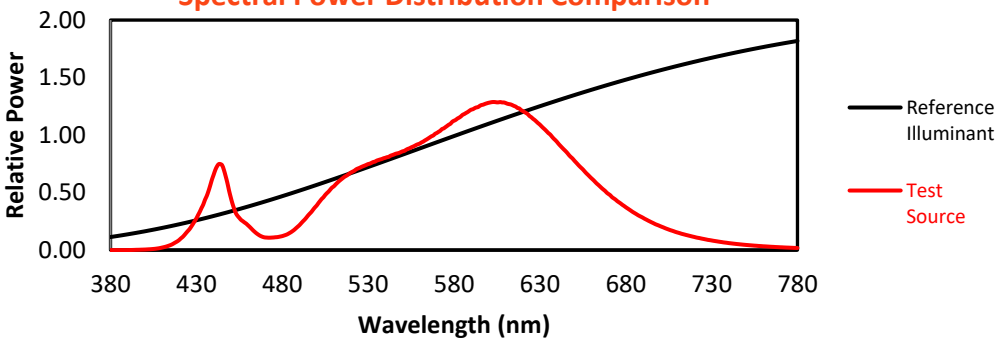
REPORT NUMBER: SP1-2408-195-9

TM-30-18

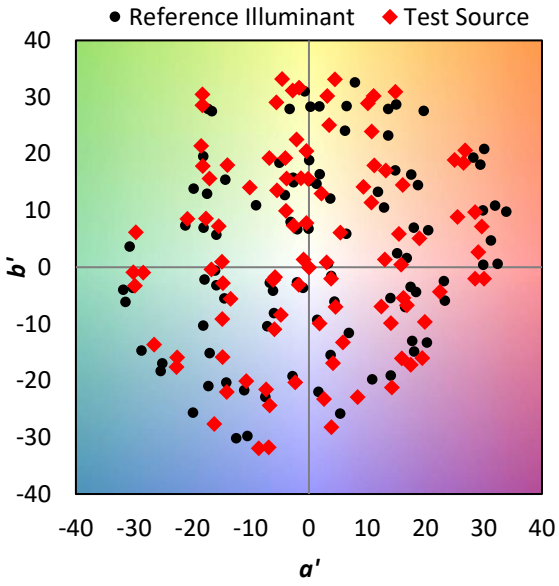
Summary

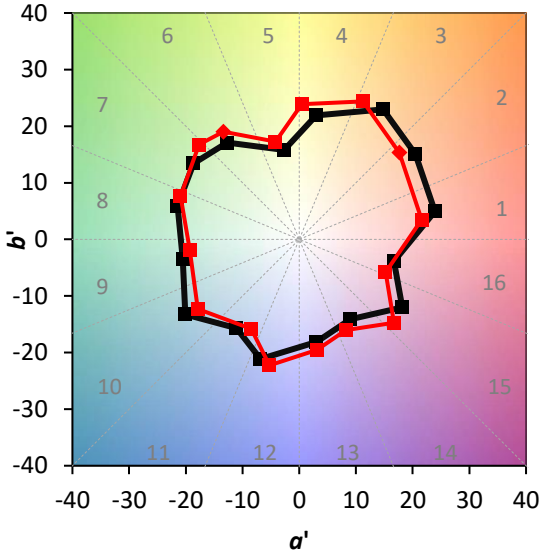
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

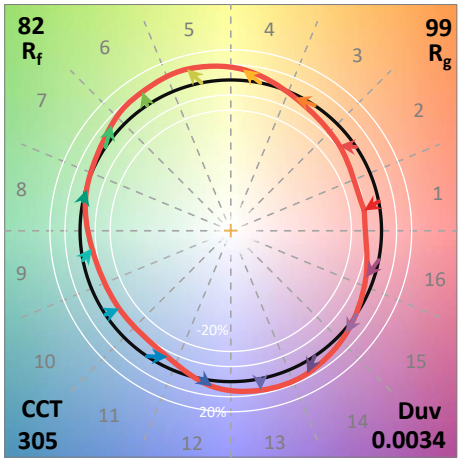
Spectral Power Distribution Comparison

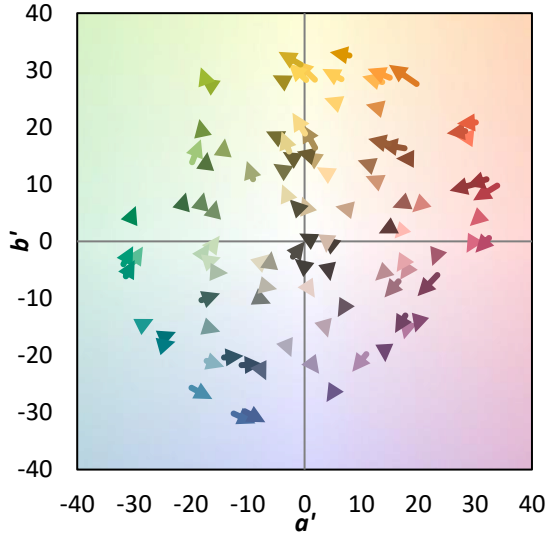


Color Vector Graphics







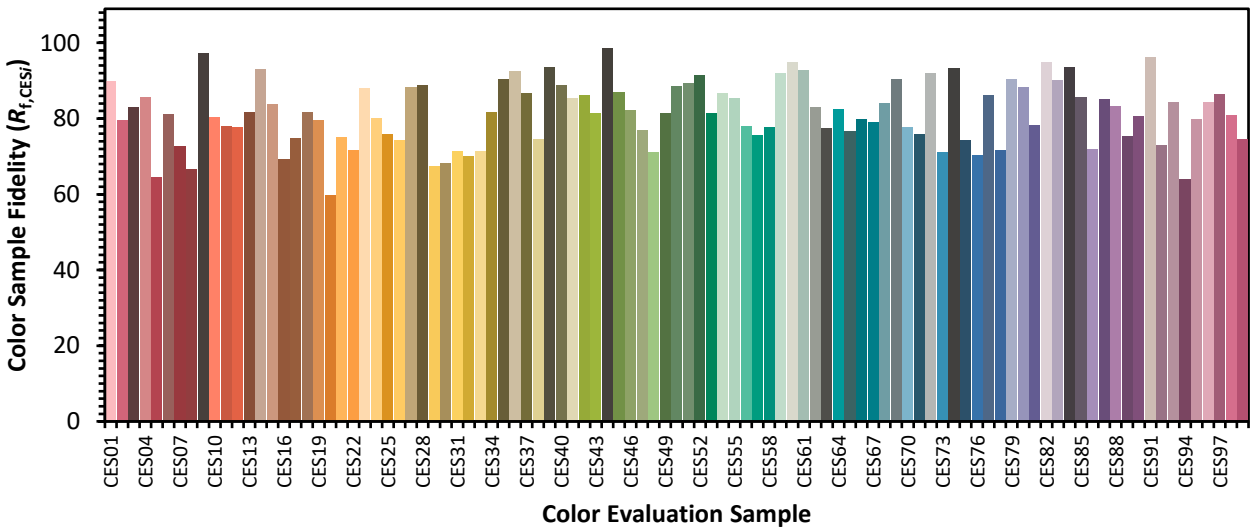


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Individual Sample Fidelity Index ($R_{f,i}$)

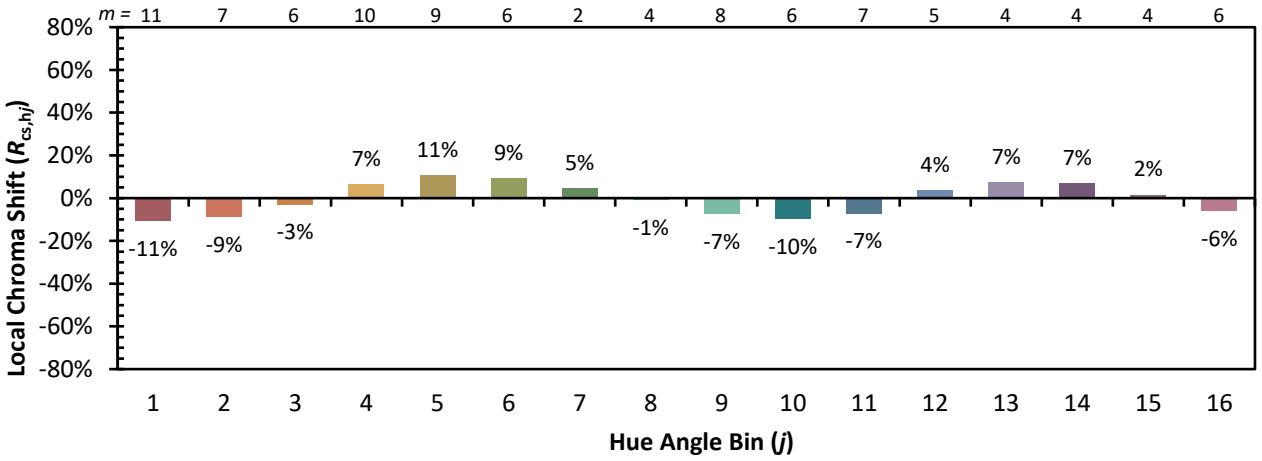
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

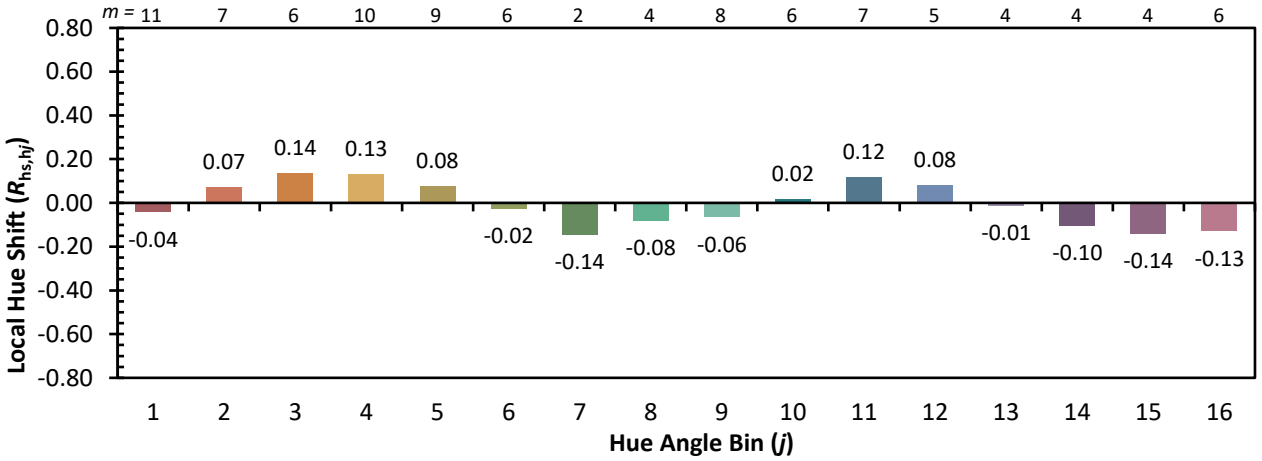


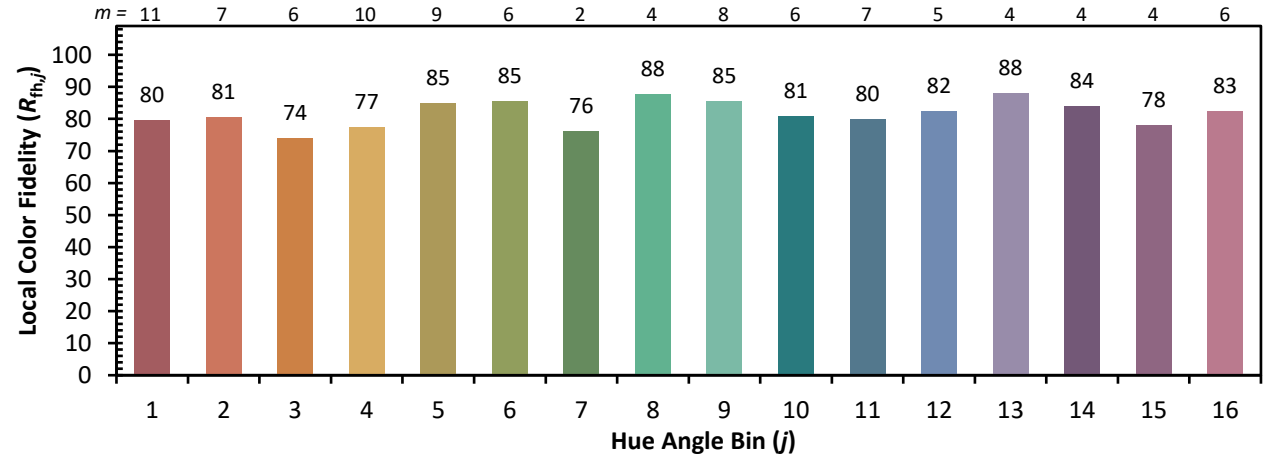
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



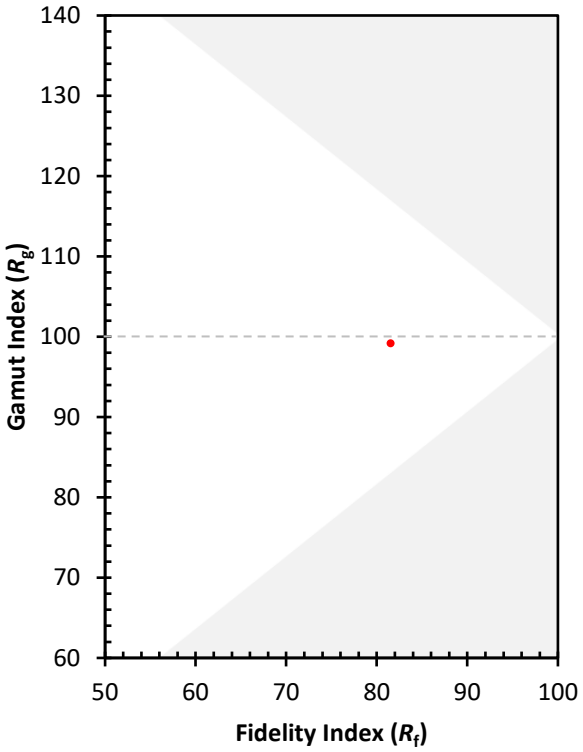


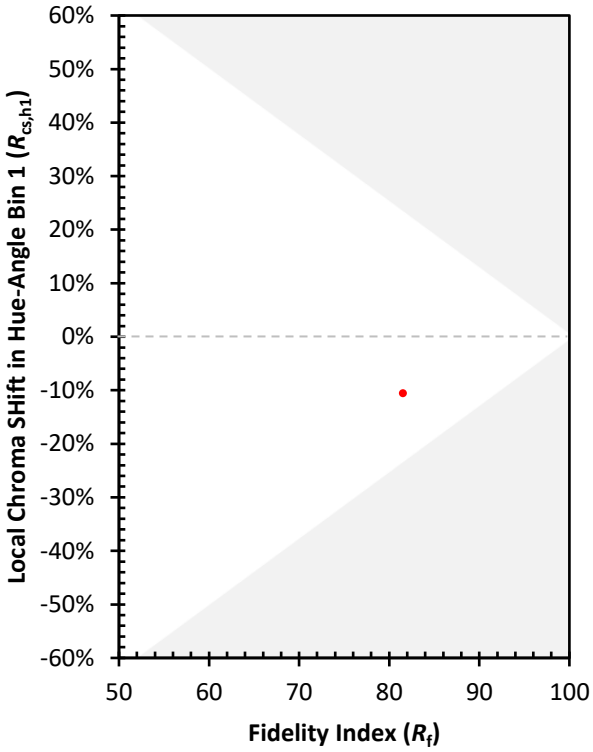


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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