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: P321439

Luminaire Tested: **GLEON-SA5B-830-U-T2R-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:	P321439
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5B-830-U-T2R-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18319 lumens
Efficiency:	N/A
Efficacy:	87.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	210
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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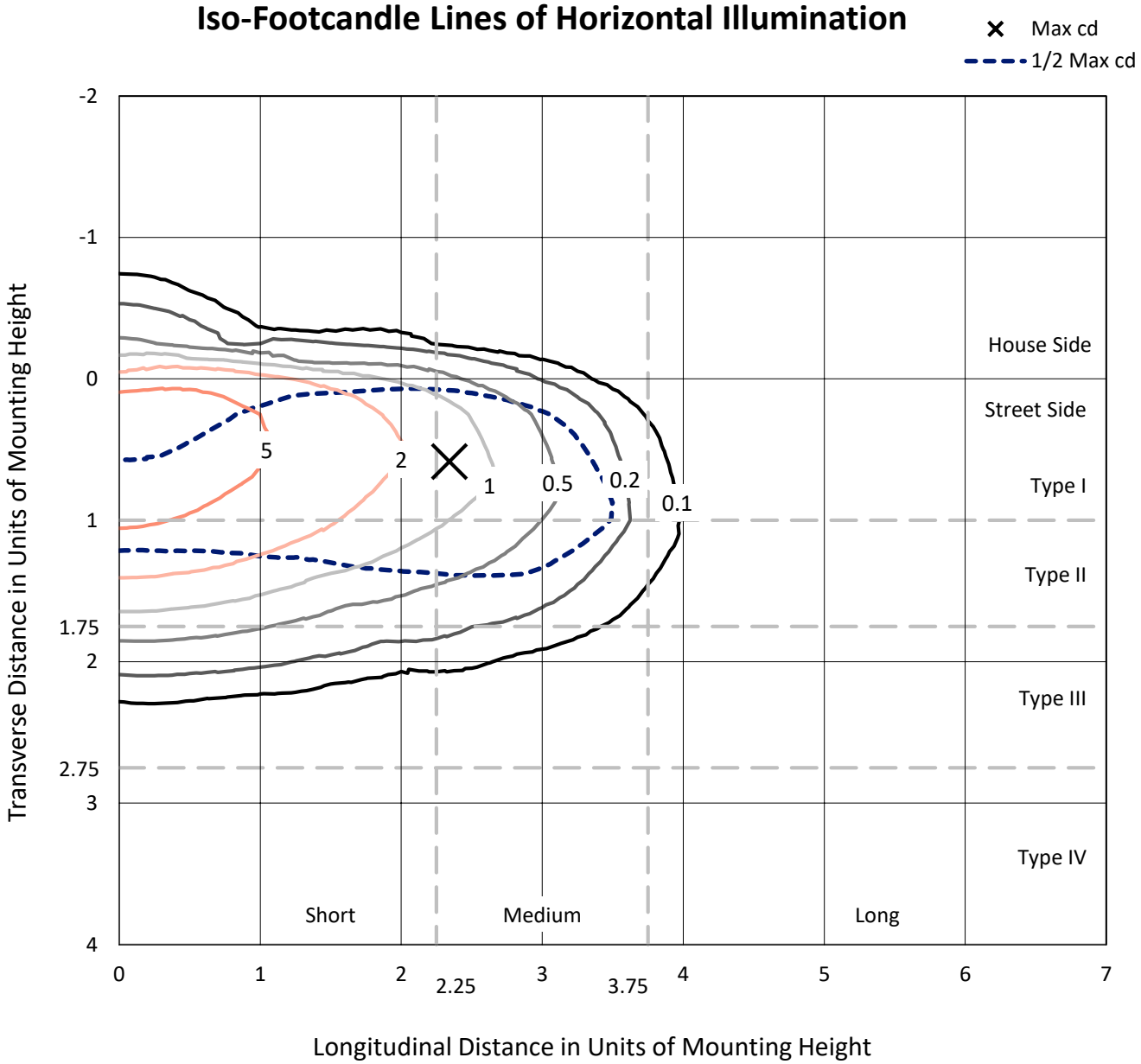
Scaled Data Report

REPORT NUMBER: P321439
CATALOG NUMBER: GLEON-SA5B-830-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
Type II - Medium - N/A

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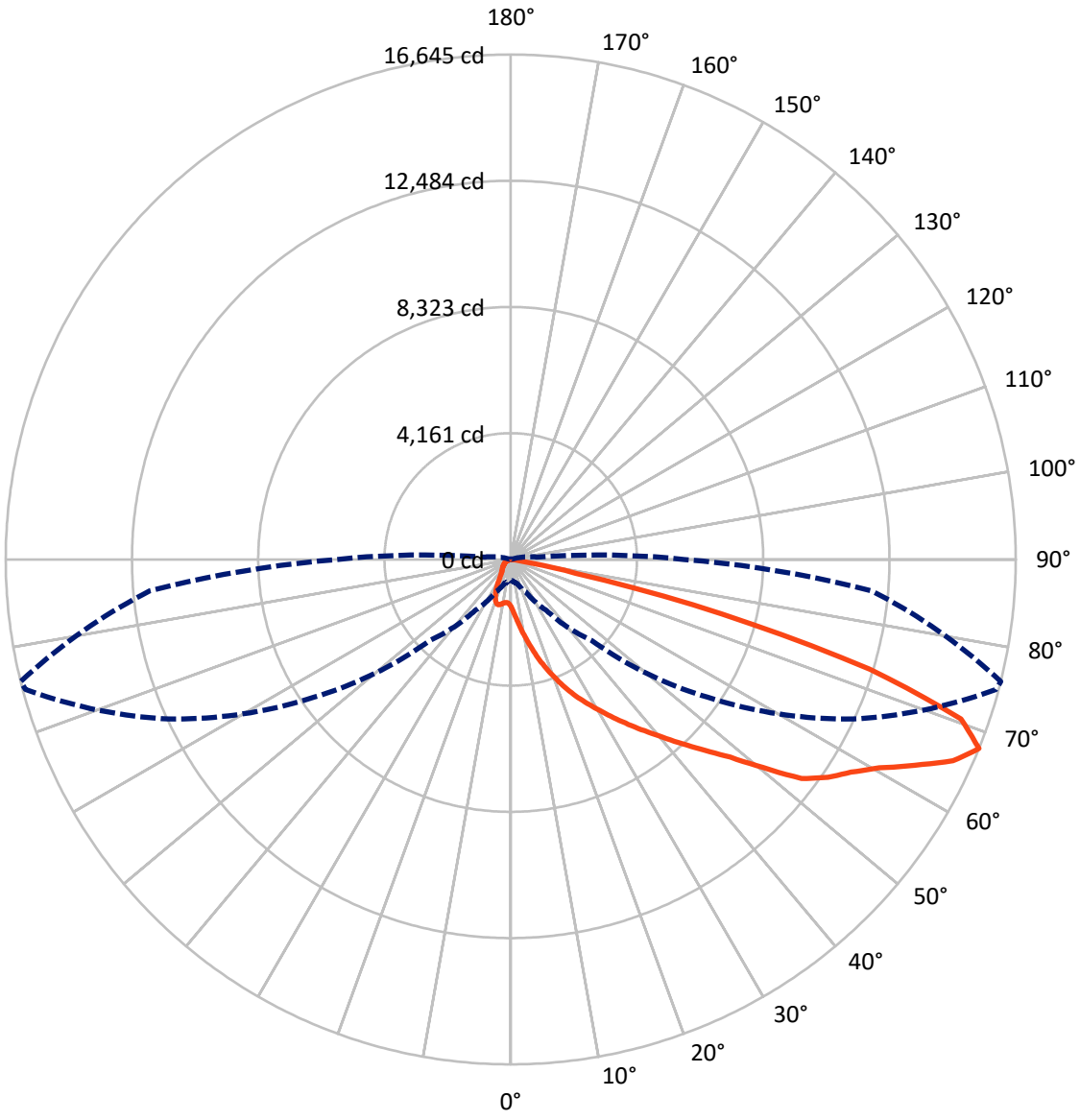
Luminous Intensity Polar Plot



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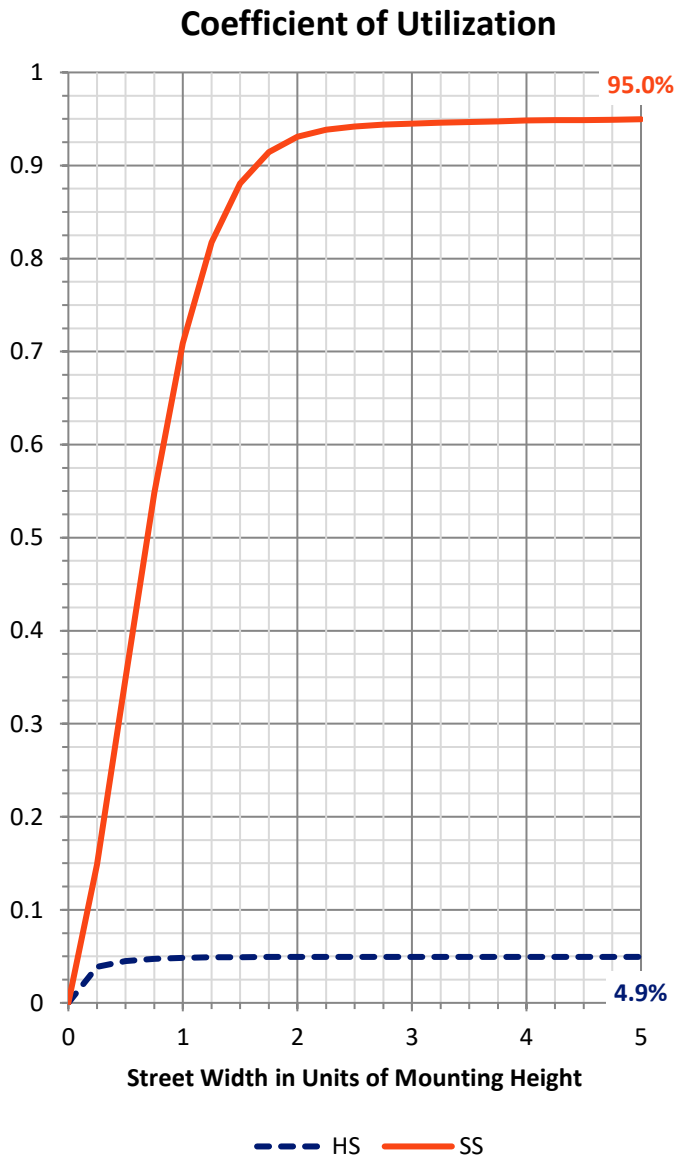
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	909.7	0.0	909.7
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	17409.3	0.0	17409.3
	% Fixture	95.0	0.0	95.0
Total	Lumens	18319.0	0.0	18319.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.2	1.1
10°-20°	766.0	4.2
20°-30°	1558.6	8.5
30°-40°	2705.2	14.8
40°-50°	3822.1	20.9
50°-60°	4334.4	23.7
60°-70°	3595.0	19.6
70°-80°	1302.2	7.1
80°-90°	42.2	0.2
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°	18319.0	100.0
0°-180°	18319.0	100.0



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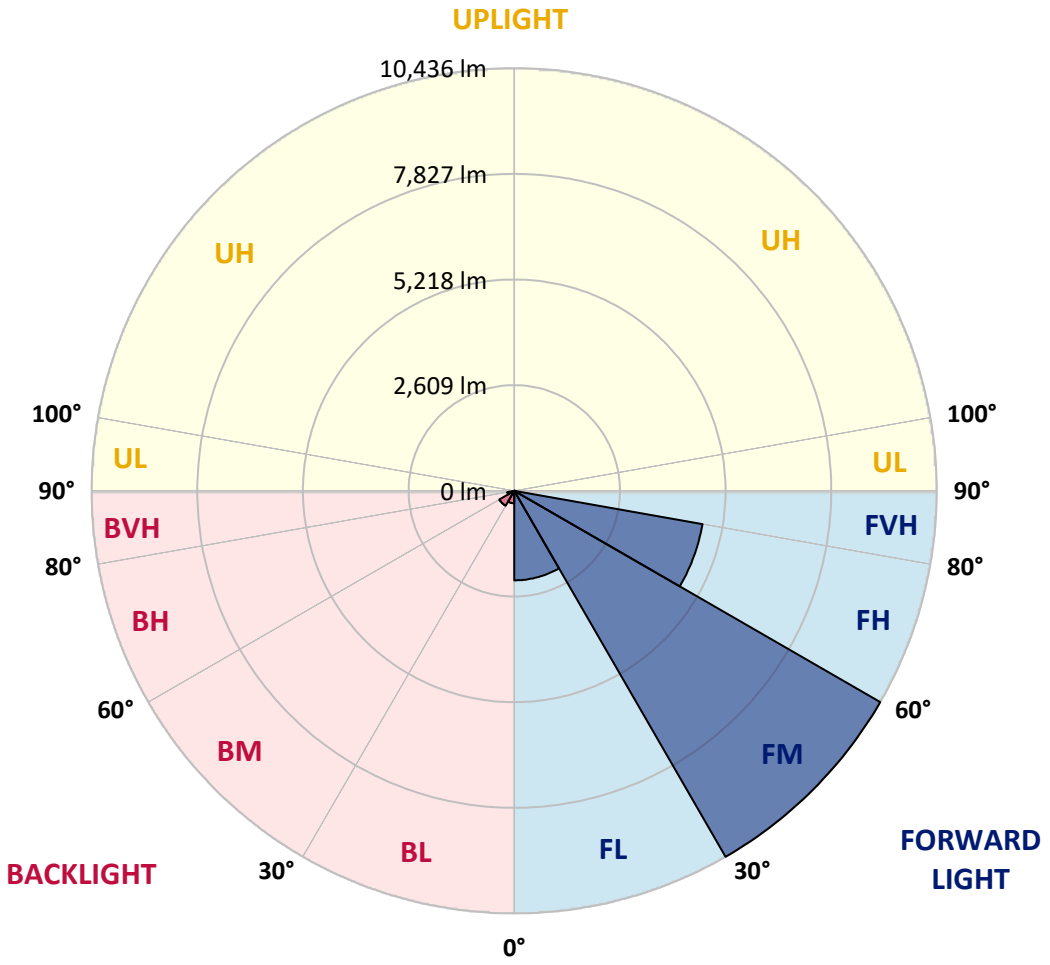
REPORT NUMBER: P321439
CATALOG NUMBER: GLEON-SA5B-830-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2211.0	12.1			
FM	(30°-60°)	10436.0	57.0			
FH	(60°-80°)	4721.4	25.8			G2/5000
FVH	(80°-90°)	40.9	0.2			G1/100
BL	(0°-30°)	306.8	1.7	B1/500		
BM	(30°-60°)	425.8	2.3	B1/1000		
BH	(60°-80°)	175.8	1.0	B1/500		G1/500
BVH	(80°-90°)	1.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Medium



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Scaled Data Report

REPORT NUMBER: P321439
CATALOG NUMBER: GLEON-SA5B-830-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0	*1554.0*	1554.0
2.5°	2319.7	2267.6	2279.6	2245.9	2184.9	2059.7	1952.9	1851.8	1733.8	*1729.8*	1632.6
5°	3128.0	3083.9	3078.3	3010.0	2899.3	2686.6	2479.5	2243.5	1980.2	*1960.9*	1754.7
7.5°	3861.7	3826.4	3813.5	3732.4	3526.2	3319.1	3049.4	2702.6	2290.8	*2255.5*	1919.2
10°	4425.2	4408.3	4411.5	4353.7	4177.1	3984.5	3630.5	3188.2	2643.2	*2588.6*	2116.7
12.5°	4852.2	4856.2	4885.1	4849.8	4751.0	4608.2	4230.1	3706.0	3033.3	*2958.7*	2342.2
15°	5166.0	5186.1	5239.1	5283.2	5276.0	5152.4	4805.6	4231.7	3447.5	*3364.8*	2593.4
17.5°	5369.1	5391.6	5468.6	5566.6	5656.5	5627.6	5361.1	4739.0	3866.5	*3771.0*	2862.3
20°	5547.3	5573.8	5656.5	5785.7	5953.5	5989.6	5814.6	5231.0	4284.7	*4168.3*	3140.1
22.5°	5933.4	5932.6	5983.2	6058.6	6218.3	6311.4	6200.7	5687.8	4698.1	*4576.9*	3423.4
25°	6631.7	6605.2	6587.6	6528.2	6563.5	6621.3	6559.5	6114.8	5113.9	*4991.0*	3710.8
27.5°	7461.7	7477.7	7334.9	7175.1	7051.5	6992.1	6891.0	6510.5	5513.6	*5378.7*	3991.7
30°	8337.4	8342.2	8173.7	7969.8	7697.7	7472.1	7297.1	6888.6	5924.6	*5777.7*	4264.6
32.5°	9127.2	9095.9	8929.0	8651.2	8307.7	8054.1	7690.4	7310.8	6359.6	*6217.5*	4568.0
35°	9753.3	9716.4	9513.3	9260.5	8904.1	8648.8	8211.4	7732.2	6817.1	*6678.3*	4872.2
37.5°	10210.8	10167.5	9958.8	9698.7	9391.3	9242.8	8815.8	8190.5	7316.4	*7167.1*	5192.5
40°	10369.8	10332.1	10201.2	10011.0	9763.8	9730.0	9457.1	8717.9	7859.8	*7700.9*	5555.3
42.5°	10275.1	10238.1	10191.6	10127.4	10024.6	10056.7	10062.4	9319.1	8463.4	*8306.9*	5955.9
45°	9899.4	9866.5	9914.7	10008.6	10136.2	10295.1	10614.6	9965.2	9137.7	*8970.7*	6419.0
47.5°	9346.4	9322.3	9455.5	9689.9	10063.2	10501.4	11119.5	10644.3	9894.6	*9739.7*	6996.9
50°	8559.7	8555.7	8822.2	9250.0	9824.0	10600.9	11641.2	11416.5	10946.1	*10783.2*	7800.4
52.5°	7334.9	7342.9	7867.0	8551.7	9404.2	10533.5	11976.7	12408.6	12169.4	*12000.0*	8496.3
55°	6168.6	6216.7	6588.4	7575.7	8760.4	10283.1	12092.3	12871.7	12844.4	*12683.9*	8883.2
57.5°	5026.4	5113.9	5471.8	6394.1	7820.5	9706.0	12028.9	13072.4	13346.9	*13224.1*	9393.7
60°	3788.6	3828.8	4241.3	5103.4	6614.1	8652.9	11569.0	13181.6	14034.0	*13948.9*	10134.6
62.5°	2410.4	2510.8	2876.8	3708.4	5150.0	7190.4	10793.6	13179.9	14893.7	*14940.2*	11090.6
65°	1269.8	1387.0	1581.3	2298.1	3539.0	5556.9	9627.3	13056.3	15948.4	*16013.4*	11837.9
67.5°	*684.7*	*718.4*	*821.1*	*1192.8*	*2052.4*	*3764.6*	*7913.6*	*12446.3*	*16559.2*	*16645.1*	*11942.2*
70°	500.9	519.3	557.9	659.8	1033.0	2186.5	5774.5	11063.3	15771.8	*15739.7*	10610.6
72.5°	384.5	413.4	442.3	483.2	594.0	1167.1	3595.2	8663.3	12584.4	*12372.5*	7931.2
75°	303.4	308.2	349.2	386.1	445.5	664.6	1596.5	5045.6	7680.8	*7179.1*	4112.9
77.5°	242.4	245.6	269.7	301.8	358.0	436.7	494.4	1985.0	2452.2	*2188.1*	892.6
80°	143.7	151.7	200.7	232.8	297.0	275.3	180.6	431.0	382.9	*346.8*	150.1
82.5°	80.3	86.7	113.2	183.8	207.1	131.6	89.9	116.4	89.9	*87.5*	42.5
85°	0.0	4.0	73.0	114.0	84.3	28.9	37.7	38.5	26.5	*24.9*	16.9
87.5°	0.0	0.0	22.5	21.7	3.2	4.8	8.8	12.8	10.4	*10.4*	8.8
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: P321439
CATALOG NUMBER: GLEON-SA5B-830-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0
2.5°	1584.5	1541.1	1459.3	1379.0	1311.6	1256.2	1206.4	1186.4	1170.3	1167.9	1155.1
5°	1655.1	1567.6	1411.1	1282.7	1196.8	1135.8	1083.6	1051.5	1026.6	1017.0	1008.2
7.5°	1761.9	1629.4	1404.7	1257.0	1154.2	1051.5	955.2	850.8	785.8	760.9	746.5
10°	1891.9	1711.3	1428.8	1249.8	1070.0	853.2	693.5	561.1	507.3	489.6	484.8
12.5°	2043.6	1813.2	1470.5	1204.8	890.2	606.0	478.4	433.4	421.4	415.8	415.8
15°	2217.8	1924.8	1500.2	1074.8	658.2	458.3	414.2	393.3	380.5	373.2	374.0
17.5°	2396.0	2034.0	1485.8	886.2	485.6	407.8	374.8	352.4	334.7	327.5	325.9
20°	2575.8	2135.1	1405.5	659.8	411.0	370.0	333.1	308.2	290.6	283.3	281.7
22.5°	2762.0	2221.0	1264.2	484.0	369.2	328.3	292.2	267.3	250.4	244.0	240.8
25°	2943.4	2290.8	1066.8	391.7	329.9	289.0	254.4	231.2	215.9	209.5	208.7
27.5°	3112.8	2335.0	838.0	346.0	295.4	253.6	222.3	201.5	188.6	183.8	183.0
30°	3265.3	2339.0	619.7	312.2	264.9	223.1	194.2	175.8	164.5	159.7	158.1
32.5°	3419.4	2305.3	451.1	281.7	236.8	196.7	168.6	154.1	146.1	142.1	142.1
35°	3564.7	2227.4	351.6	255.3	209.5	171.0	148.5	138.1	133.2	129.2	129.2
37.5°	3706.8	2115.9	298.6	232.0	183.8	149.3	130.8	124.4	120.4	116.4	116.4
40°	3851.2	1975.4	271.3	210.3	162.9	132.4	116.4	110.8	106.8	103.5	102.7
42.5°	4028.6	1813.2	253.6	190.2	144.5	117.2	102.7	96.3	93.1	89.9	88.3
45°	4234.1	1673.6	239.2	170.2	129.2	104.3	89.1	82.7	77.9	73.8	73.0
47.5°	4530.3	1572.4	219.9	148.5	114.8	90.7	77.1	69.8	62.6	58.6	57.8
50°	4908.4	1489.0	195.1	129.2	100.3	77.1	64.2	55.4	49.0	44.9	44.9
52.5°	5096.2	1379.8	172.6	112.4	84.3	65.0	52.2	41.7	38.5	34.5	34.5
55°	5171.6	1296.3	150.1	95.5	69.8	53.8	40.9	32.1	29.7	27.3	26.5
57.5°	5383.6	1272.2	130.8	81.1	57.8	42.5	31.3	24.1	22.5	19.3	19.3
60°	5724.7	1284.3	113.2	69.0	46.6	32.9	23.3	18.5	16.9	13.6	13.6
62.5°	6093.1	1269.0	95.5	59.4	36.1	24.1	16.1	13.6	13.6	8.0	7.2
65°	6163.8	1130.2	81.9	49.0	28.1	17.7	10.4	8.8	12.0	1.6	0.0
67.5°	*5720.7*	*876.5*	*70.6*	*37.7*	*20.9*	*13.6*	*8.0*	*4.0*	*10.4*	*0.0*	*0.0*
70°	4574.5	557.1	57.0	27.3	16.1	11.2	6.4	1.6	8.0	0.0	0.0
72.5°	3234.8	323.5	44.9	19.3	13.6	8.8	4.8	0.0	4.8	0.0	0.0
75°	1635.9	172.6	28.1	14.4	10.4	6.4	3.2	0.0	0.8	0.0	0.0
77.5°	354.0	80.3	17.7	10.4	7.2	4.0	1.6	0.0	0.0	0.0	0.0
80°	77.1	35.3	11.2	6.4	4.0	2.4	0.0	0.0	0.0	0.0	0.0
82.5°	28.1	18.5	5.6	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.3	9.6	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.0	3.2	0.8	0.8	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

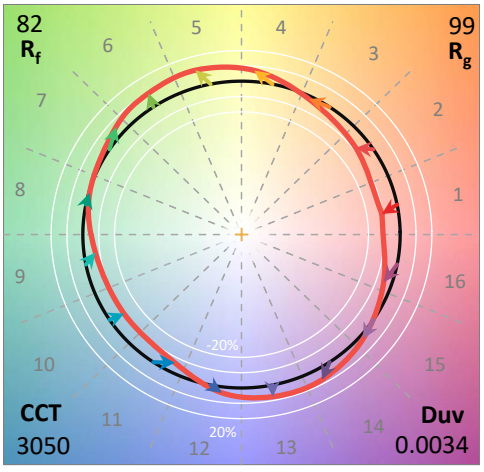
Test Information

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

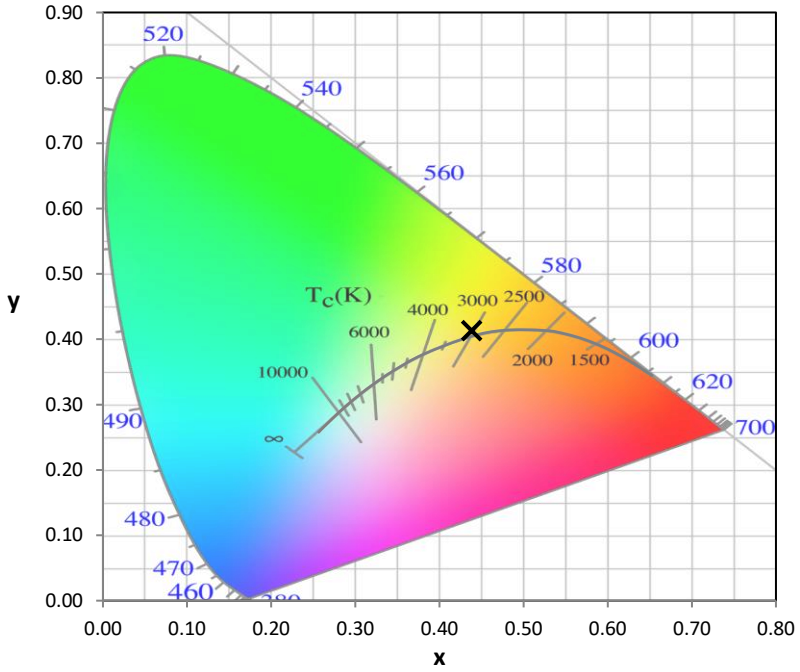
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

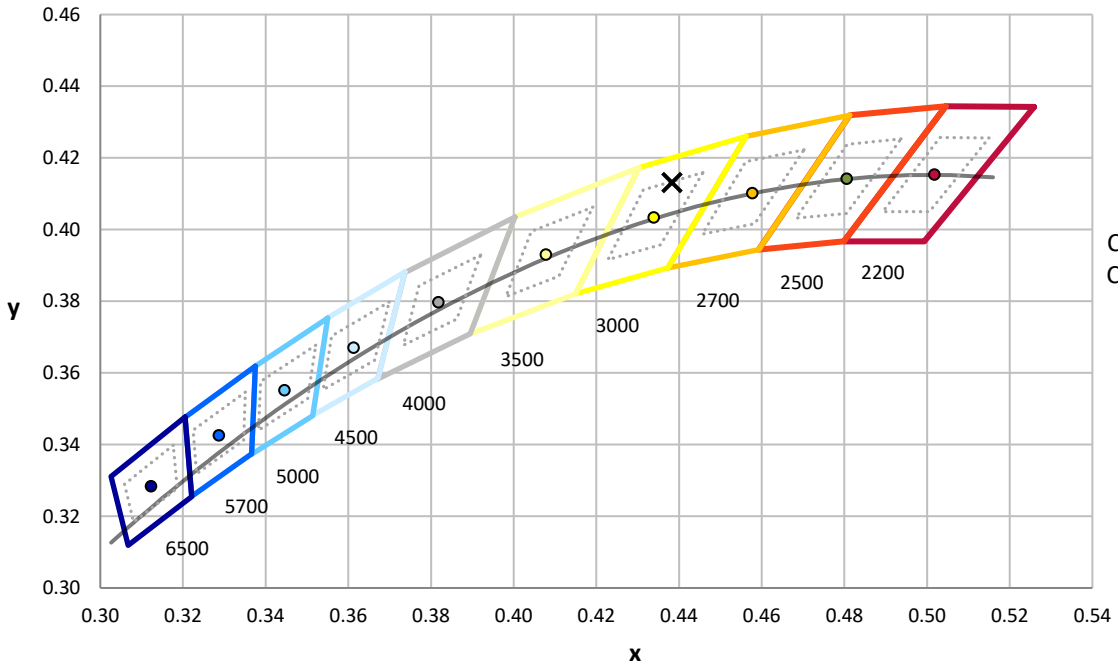
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

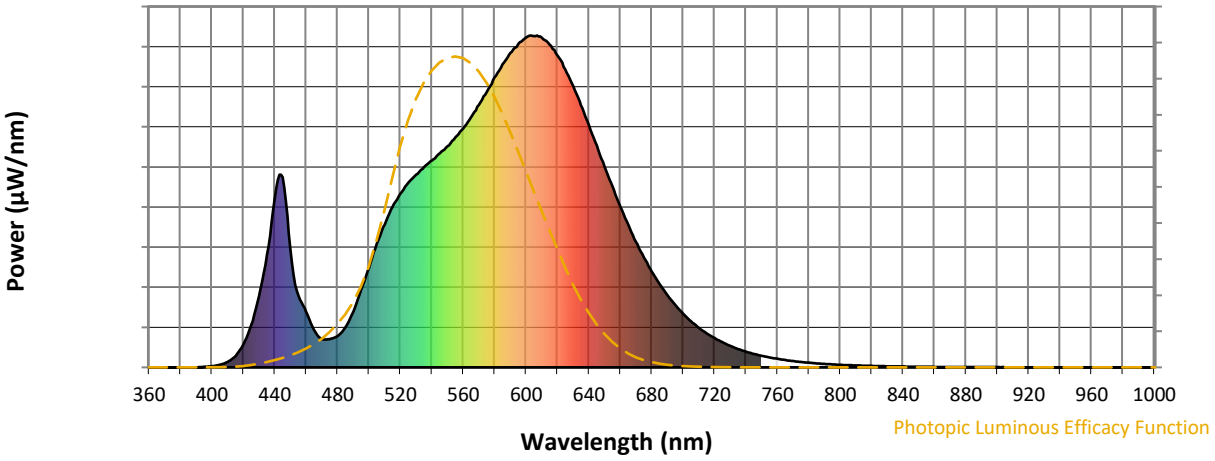


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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			

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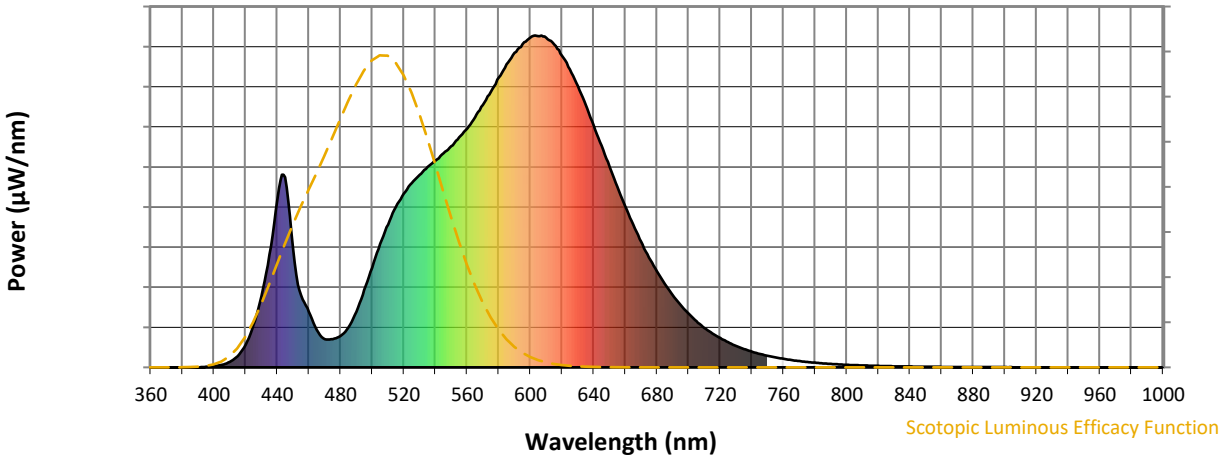
Scotopic Flux vs. Wavelength



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			

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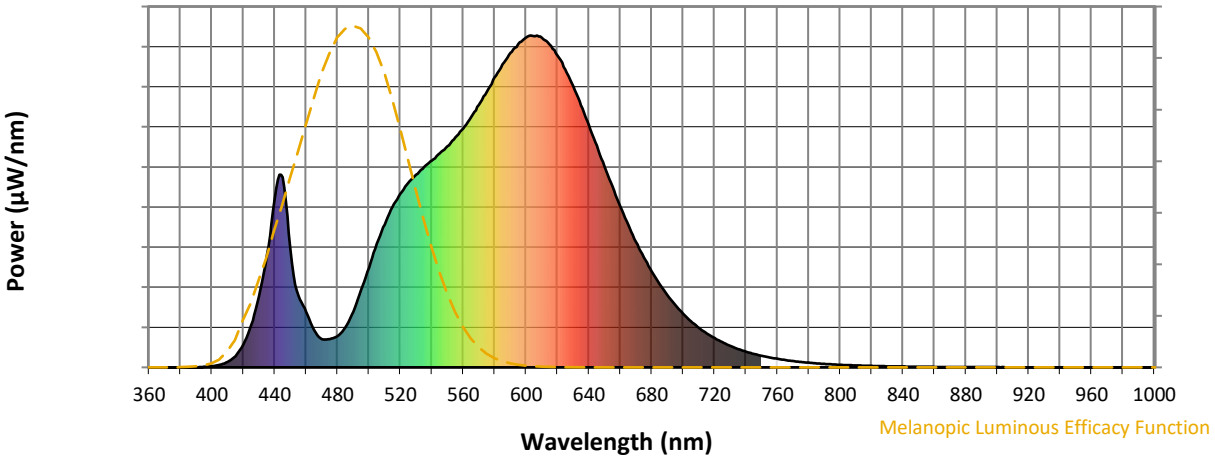
Melanopic Flux vs. Wavelength



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			

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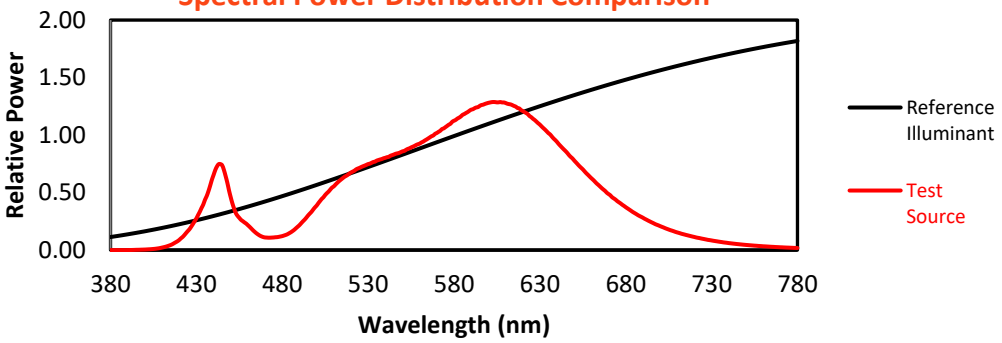
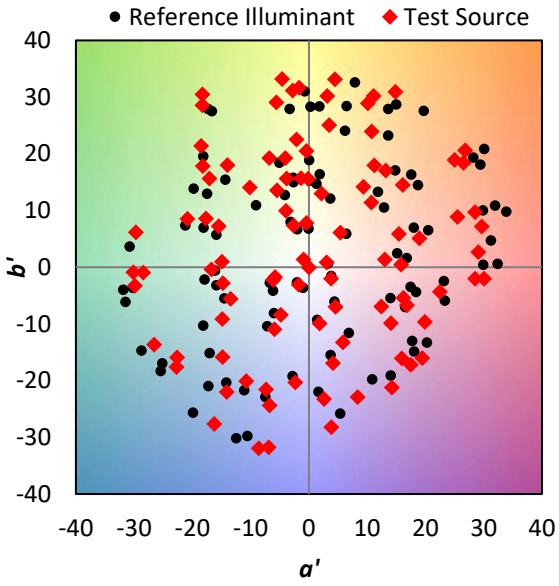
Summary

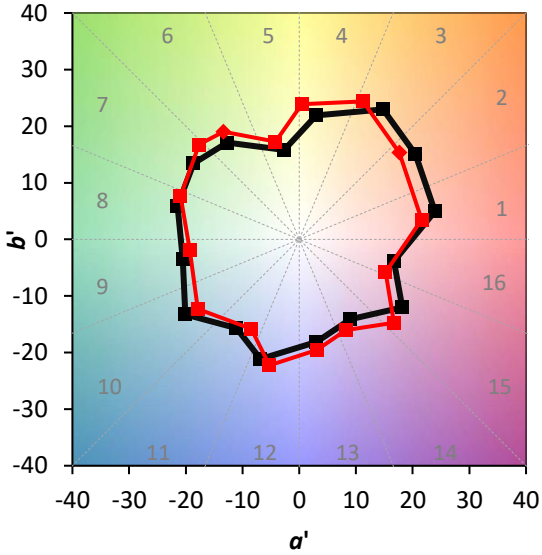
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

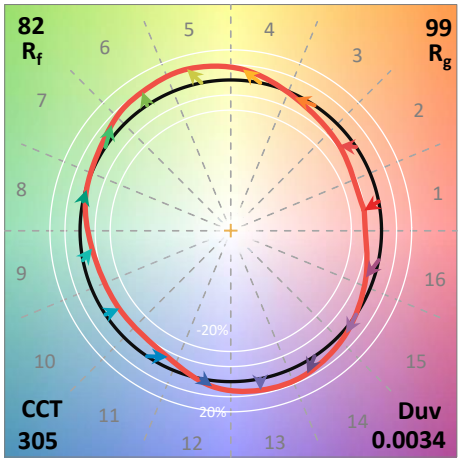
Spectral Power Distribution Comparison

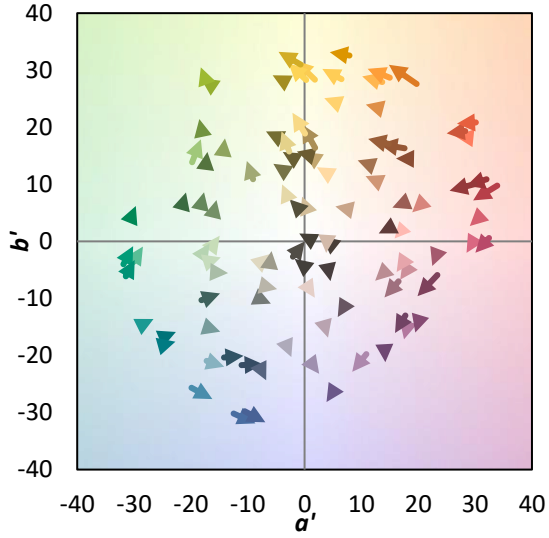


Color Vector Graphics









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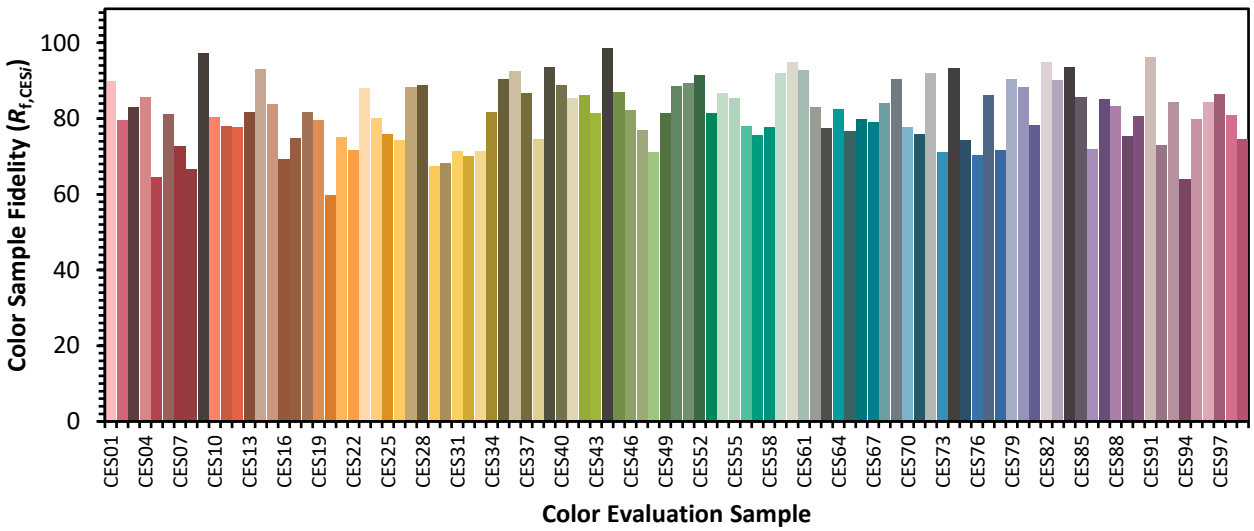
Individual Sample Fidelity Index ($R_{f,i}$)

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	



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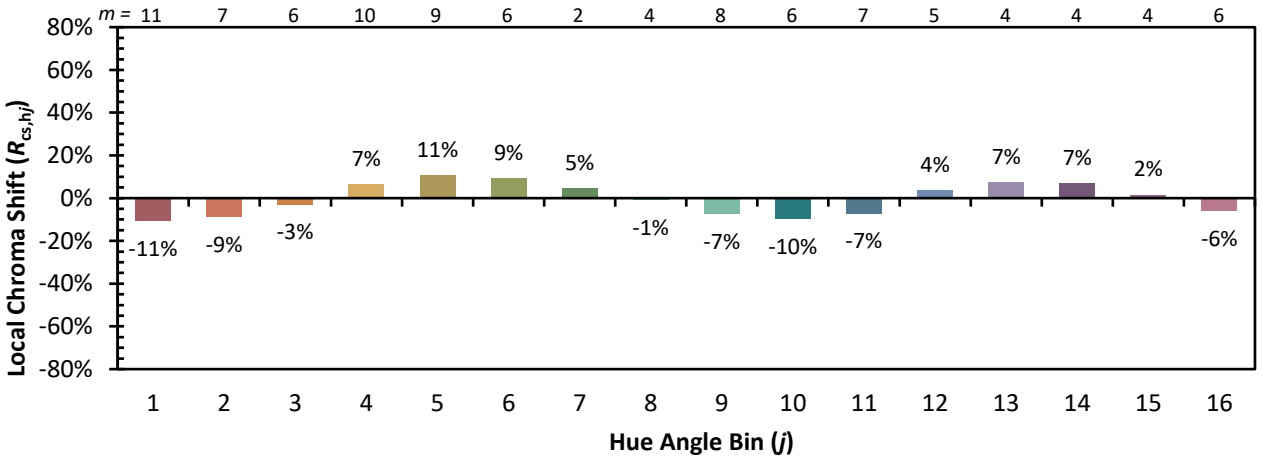
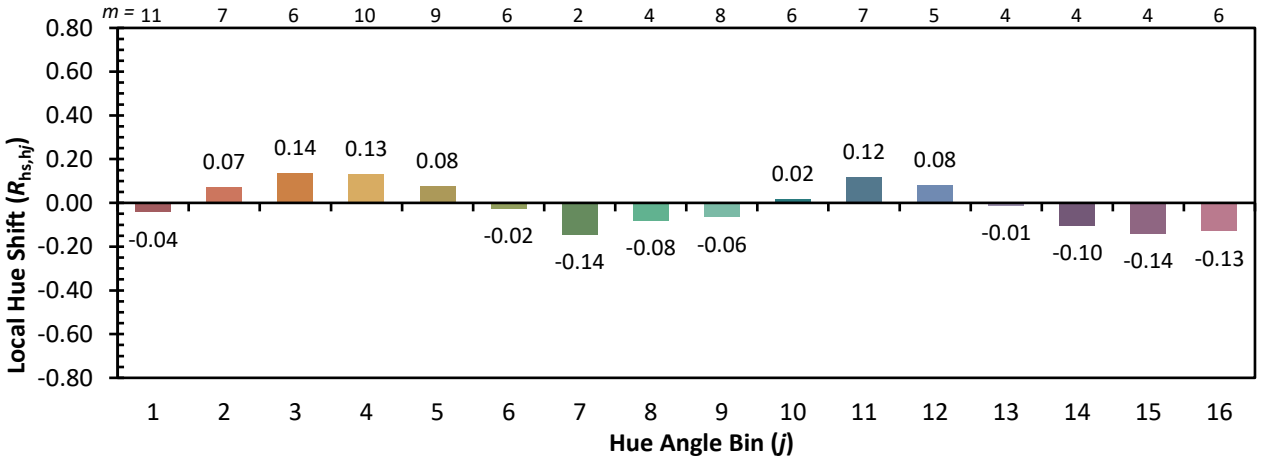
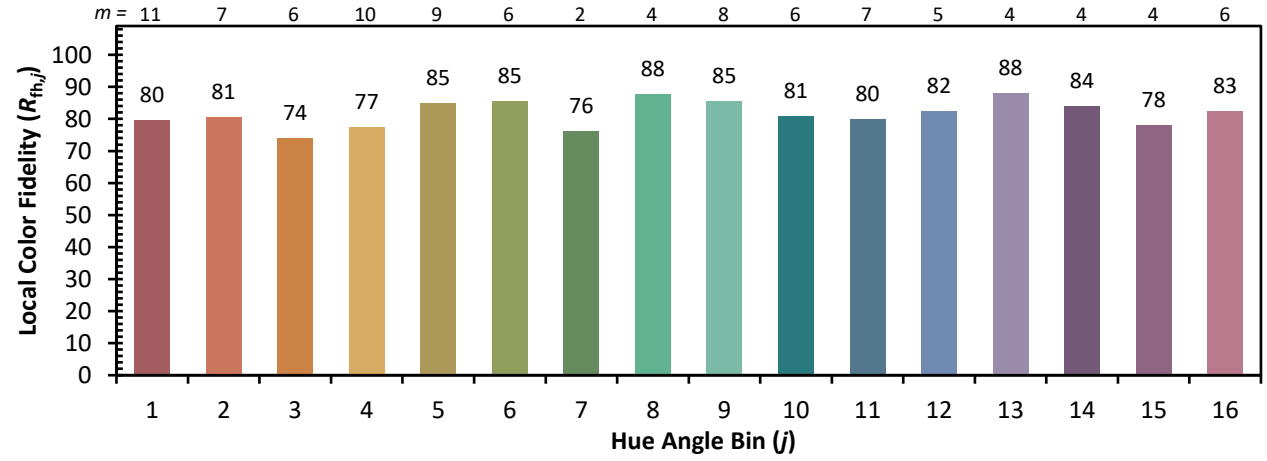
Color Rendition by Hue-Angle Bin







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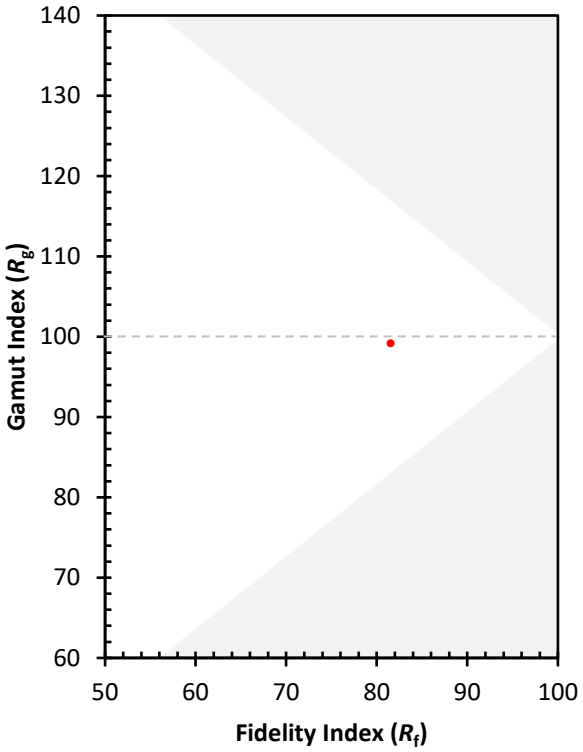
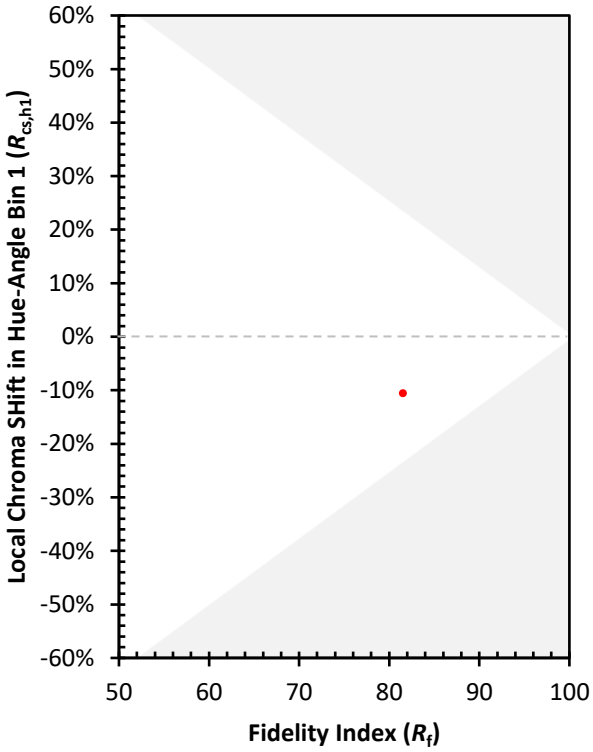
Measure Comparisons





(END OF REPORT)