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: P321460

Luminaire Tested: **GLEON-SA6D-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:	P321460
	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-SA6D-830-U-T2R-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 1200mA 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:	29767 lumens
Efficiency:	N/A
Efficacy:	77.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G4

Input Watts (W):	382
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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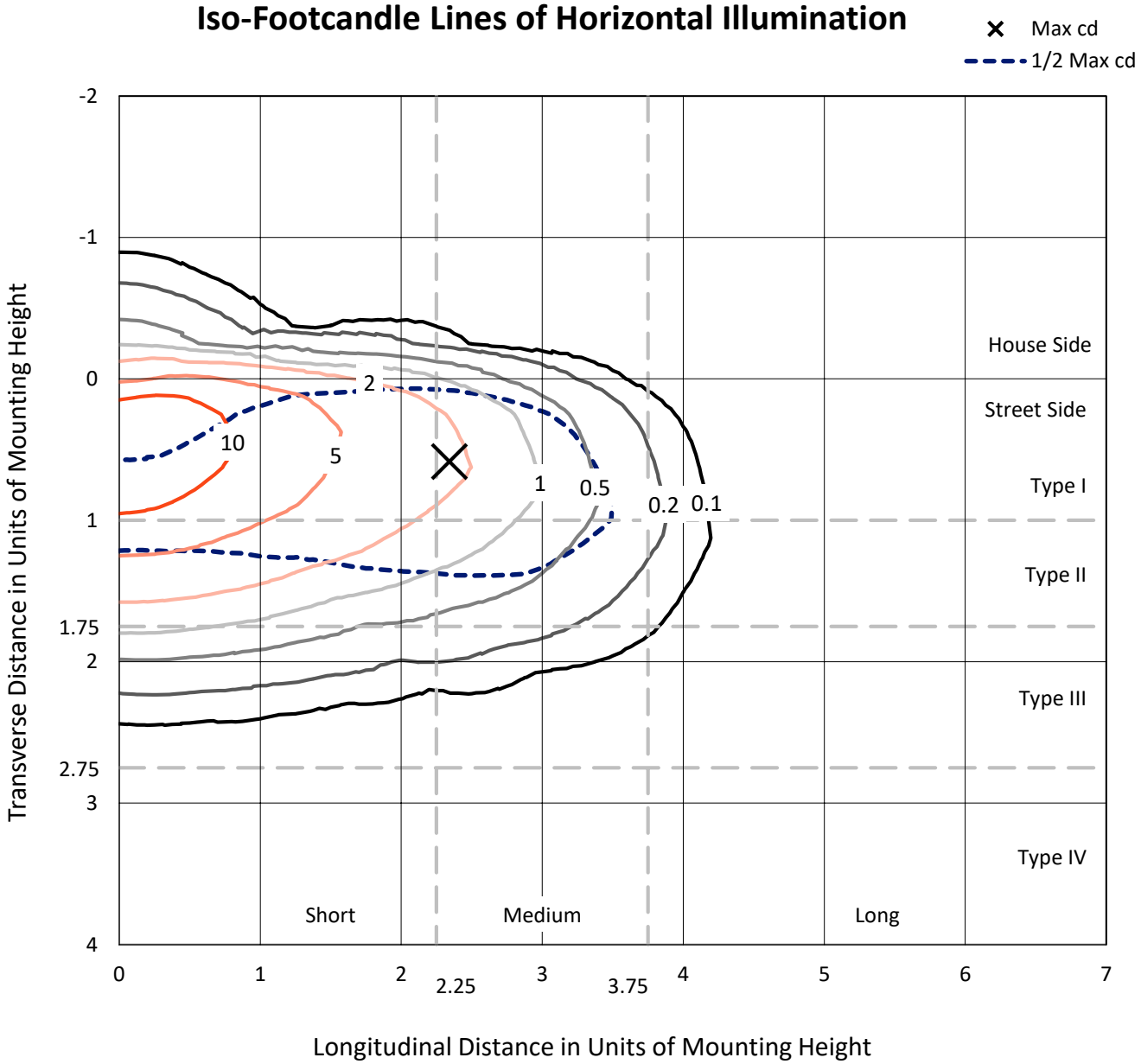
REPORT NUMBER: P321460
CATALOG NUMBER: GLEON-SA6D-830-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc
Type II - Medium - N/A

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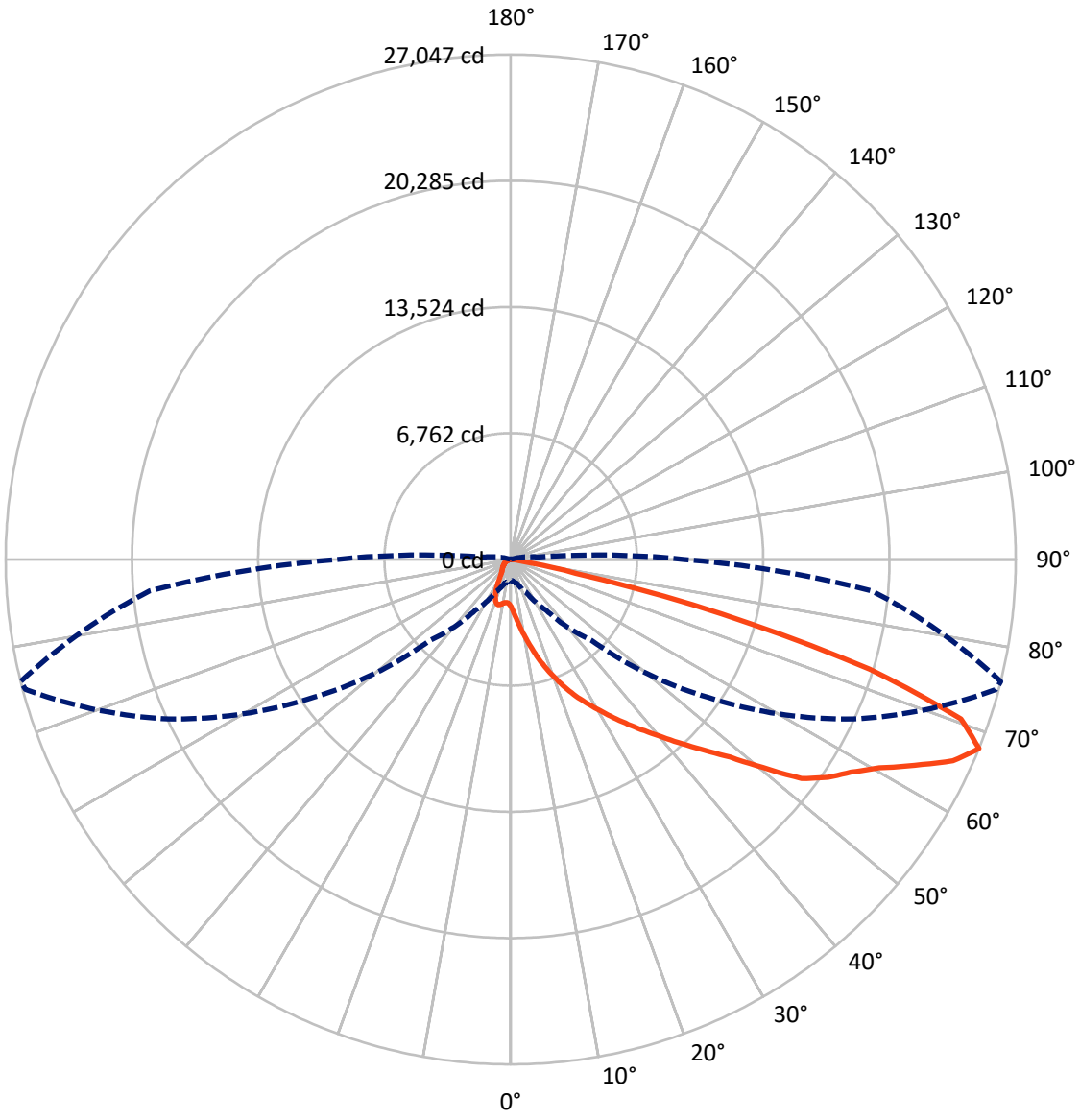
Luminous Intensity Polar Plot



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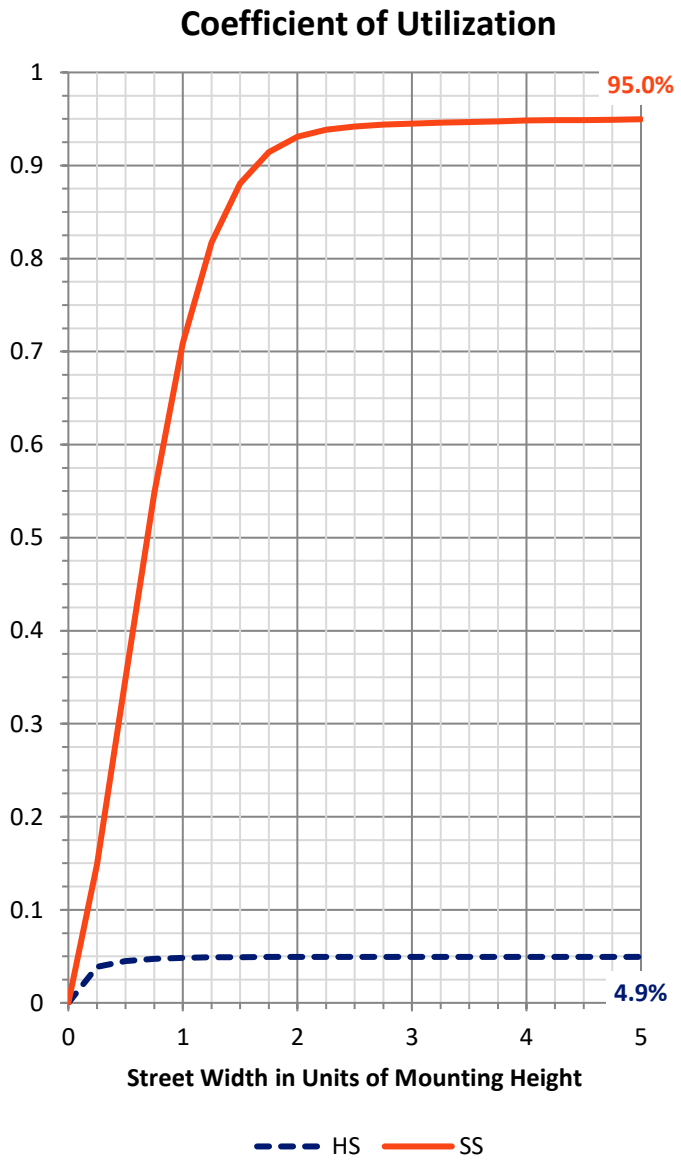
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1478.1	0.0	1478.1
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	28288.8	0.0	28288.8
	% Fixture	95.0	0.0	95.0
Total	Lumens	29767.0	0.0	29767.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.0	1.1
10°-20°	1244.7	4.2
20°-30°	2532.6	8.5
30°-40°	4395.7	14.8
40°-50°	6210.6	20.9
50°-60°	7043.1	23.7
60°-70°	5841.6	19.6
70°-80°	2116.0	7.1
80°-90°	68.6	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°	29767.0	100.0
0°-180°	29767.0	100.0



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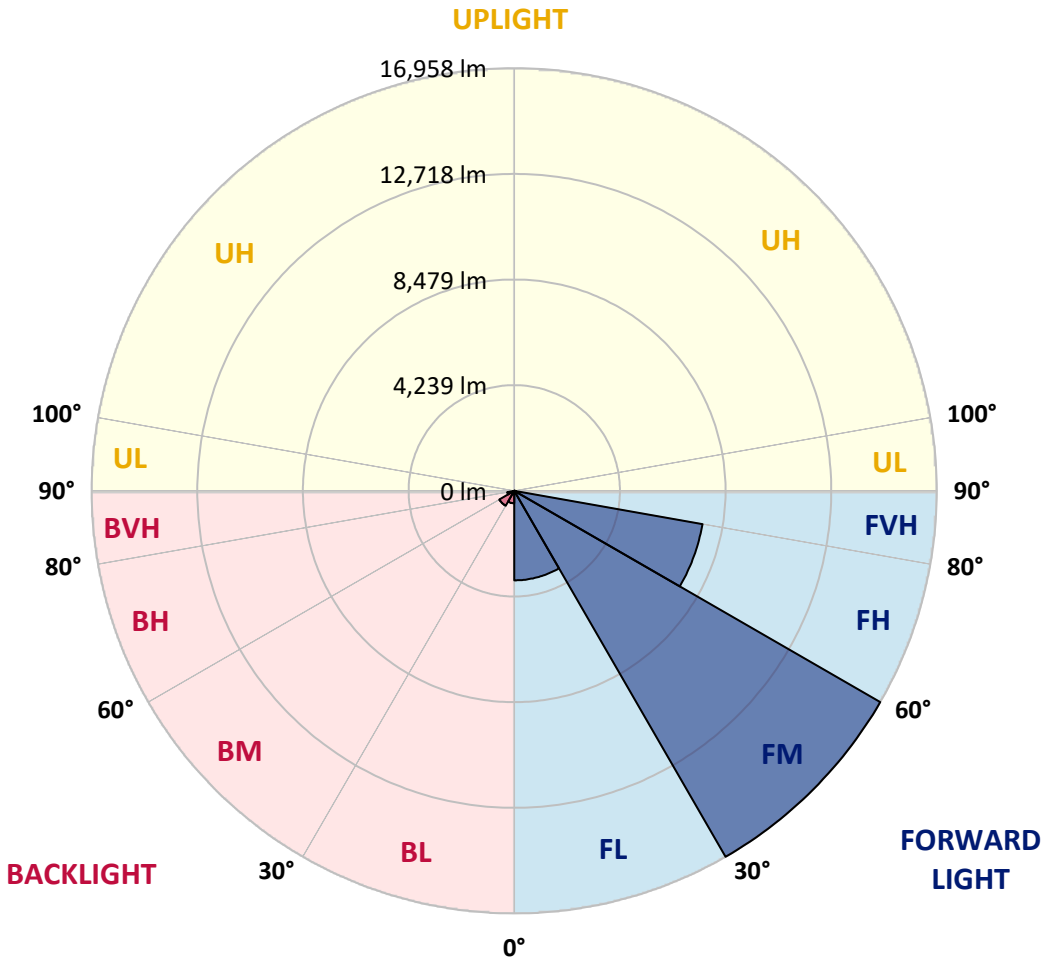
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3592.8	12.1			
FM	(30°-60°)	16957.7	57.0			
FH	(60°-80°)	7672.0	25.8			G4/12000
FVH	(80°-90°)	66.5	0.2			G1/100
BL	(0°-30°)	498.5	1.7	B1/500		
BM	(30°-60°)	691.8	2.3	B1/1000		
BH	(60°-80°)	285.7	1.0	B1/500		G1/500
BVH	(80°-90°)	2.2	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-G4
Type II Medium



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REPORT NUMBER: P321460
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2525.1	2525.1	2525.1	2525.1	2525.1	2525.1	2525.1	2525.1	2525.1	*2525.1*	2525.1
2.5°	3769.4	3684.6	3704.2	3649.4	3550.3	3346.8	3173.3	3009.0	2817.3	*2810.7*	2652.9
5°	5082.8	5011.1	5001.9	4891.1	4711.1	4365.5	4028.9	3645.5	3217.7	*3186.4*	2851.2
7.5°	6274.9	6217.5	6196.7	6064.9	5729.7	5393.2	4955.0	4391.5	3722.4	*3665.1*	3118.6
10°	7190.5	7163.2	7168.4	7074.5	6787.5	6474.5	5899.3	5180.6	4295.0	*4206.3*	3439.4
12.5°	7884.4	7890.9	7937.9	7880.5	7720.1	7487.9	6873.6	6021.9	4928.9	*4807.6*	3805.9
15°	8394.4	8427.0	8513.1	8584.8	8573.1	8372.2	7808.8	6876.2	5601.9	*5467.6*	4214.2
17.5°	8724.4	8760.9	8886.1	9045.2	9191.3	9144.4	8711.3	7700.5	6282.8	*6127.6*	4651.1
20°	9013.9	9057.0	9191.3	9401.3	9673.9	9732.6	9448.3	8500.1	6962.3	*6773.2*	5102.4
22.5°	9641.3	9640.0	9722.2	9844.8	10104.3	10255.6	10075.6	9242.2	7634.0	*7437.1*	5562.8
25°	10776.0	10733.0	10704.3	10607.8	10665.2	10759.1	10658.7	9936.1	8309.6	*8110.1*	6029.7
27.5°	12124.7	12150.8	11918.6	11659.0	11458.2	11361.7	11197.3	10579.1	8959.2	*8740.0*	6486.2
30°	13547.7	13555.5	13281.6	12950.3	12508.1	12141.6	11857.3	11193.4	9627.0	*9388.3*	6929.7
32.5°	14831.1	14780.2	14508.9	14057.6	13499.4	13087.2	12496.4	11879.5	10333.9	*10103.0*	7422.7
35°	15848.4	15788.4	15458.4	15047.6	14468.5	14053.7	13342.9	12564.2	11077.3	*10851.7*	7917.0
37.5°	16591.9	16521.4	16182.3	15759.7	15260.2	15018.9	14325.0	13309.0	11888.6	*11646.0*	8437.4
40°	16850.1	16788.8	16576.2	16267.1	15865.4	15810.6	15367.1	14165.9	12771.6	*12513.3*	9027.0
42.5°	16696.2	16636.2	16560.6	16456.2	16289.3	16341.4	16350.6	15142.8	13752.4	*13498.1*	9677.8
45°	16085.8	16032.3	16110.6	16263.2	16470.6	16728.8	17247.9	16192.7	14848.0	*14576.7*	10430.4
47.5°	15187.1	15148.0	15364.5	15745.4	16351.9	17064.0	18068.3	17296.2	16078.0	*15826.2*	11369.5
50°	13908.9	13902.4	14335.4	15030.6	15963.2	17225.7	18916.1	18550.9	17786.6	*17521.8*	12675.1
52.5°	11918.6	11931.6	12783.3	13895.9	15281.1	17116.2	19461.3	20163.0	19774.3	*19499.1*	13805.9
55°	10023.5	10101.7	10705.6	12309.9	14235.0	16709.2	19649.1	20915.6	20871.2	*20610.4*	14434.6
57.5°	8167.5	8309.6	8891.3	10390.0	12707.7	15771.5	19546.1	21241.7	21687.7	*21488.2*	15264.1
60°	6156.2	6221.5	6891.9	8292.7	10747.3	14060.2	18798.7	21419.0	22804.2	*22665.9*	16468.0
62.5°	3916.8	4079.8	4674.6	6025.8	8368.3	11683.8	17538.8	21416.4	24201.1	*24276.7*	18021.4
65°	2063.4	2253.8	2569.4	3734.2	5750.6	9029.6	15643.6	21215.6	25914.9	*26020.6*	19235.7
67.5°	*1112.6*	*1167.3*	*1334.3*	*1938.2*	*3335.1*	*6117.1*	*12859.0*	*20224.3*	*26907.5*	*27047.0*	*19405.2*
70°	813.9	843.9	906.5	1072.1	1678.6	3552.9	9383.1	17977.0	25628.0	*25575.8*	17241.4
72.5°	624.8	671.7	718.7	785.2	965.2	1896.4	5841.9	14077.2	20448.6	*20104.3*	12887.7
75°	493.0	500.8	567.4	627.4	723.9	1080.0	2594.2	8198.8	12480.7	*11665.6*	6683.2
77.5°	393.9	399.1	438.2	490.4	581.7	709.5	803.4	3225.5	3984.6	*3555.5*	1450.4
80°	233.5	246.5	326.1	378.2	482.6	447.4	293.5	700.4	622.1	*563.5*	243.9
82.5°	130.4	140.9	183.9	298.7	336.5	213.9	146.1	189.1	146.1	*142.2*	69.1
85°	0.0	6.5	118.7	185.2	137.0	47.0	61.3	62.6	43.0	*40.4*	27.4
87.5°	0.0	0.0	36.5	35.2	5.2	7.8	14.3	20.9	17.0	*17.0*	14.3
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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Scaled Data Report

REPORT NUMBER: P321460
CATALOG NUMBER: GLEON-SA6D-830-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2525.1	2525.1	2525.1	2525.1	2525.1	2525.1	2525.1	2525.1	2525.1	2525.1	2525.1
2.5°	2574.7	2504.2	2371.2	2240.8	2131.2	2041.2	1960.3	1927.7	1901.7	1897.7	1876.9
5°	2689.4	2547.3	2292.9	2084.3	1944.7	1845.6	1760.8	1708.6	1668.2	1652.5	1638.2
7.5°	2862.9	2647.7	2282.5	2042.5	1875.6	1708.6	1552.1	1382.5	1276.9	1236.5	1213.0
10°	3074.2	2780.7	2321.6	2030.8	1738.6	1386.5	1126.9	911.7	824.3	795.6	787.8
12.5°	3320.7	2946.4	2389.5	1957.7	1446.5	984.7	777.4	704.3	684.8	675.6	675.6
15°	3603.8	3127.7	2437.7	1746.4	1069.5	744.7	673.0	639.1	618.2	606.5	607.8
17.5°	3893.3	3305.1	2414.2	1439.9	789.1	662.6	609.1	572.6	543.9	532.1	529.5
20°	4185.5	3469.4	2283.8	1072.1	667.8	601.3	541.3	500.8	472.2	460.4	457.8
22.5°	4488.1	3609.0	2054.3	786.5	600.0	533.5	474.8	434.3	406.9	396.5	391.3
25°	4782.8	3722.4	1733.4	636.5	536.1	469.5	413.5	375.6	350.9	340.4	339.1
27.5°	5058.0	3794.2	1361.7	562.1	480.0	412.2	361.3	327.4	306.5	298.7	297.4
30°	5305.8	3800.7	1006.9	507.4	430.4	362.6	315.6	285.6	267.4	259.6	256.9
32.5°	5556.3	3745.9	733.0	457.8	384.8	319.6	273.9	250.4	237.4	230.9	230.9
35°	5792.3	3619.4	571.3	414.8	340.4	277.8	241.3	224.3	216.5	210.0	210.0
37.5°	6023.2	3438.1	485.2	376.9	298.7	242.6	212.6	202.2	195.6	189.1	189.1
40°	6258.0	3209.9	440.8	341.7	264.8	215.2	189.1	180.0	173.5	168.3	166.9
42.5°	6546.2	2946.4	412.2	309.1	234.8	190.4	166.9	156.5	151.3	146.1	143.5
45°	6880.1	2719.4	388.7	276.5	210.0	169.6	144.8	134.3	126.5	120.0	118.7
47.5°	7361.4	2555.1	357.4	241.3	186.5	147.4	125.2	113.5	101.7	95.2	93.9
50°	7975.7	2419.5	316.9	210.0	163.0	125.2	104.3	90.0	79.6	73.0	73.0
52.5°	8280.9	2242.1	280.4	182.6	137.0	105.6	84.8	67.8	62.6	56.1	56.1
55°	8403.5	2106.4	243.9	155.2	113.5	87.4	66.5	52.2	48.3	44.3	43.0
57.5°	8747.9	2067.3	212.6	131.7	93.9	69.1	50.9	39.1	36.5	31.3	31.3
60°	9302.2	2086.9	183.9	112.2	75.6	53.5	37.8	30.0	27.4	22.2	22.2
62.5°	9900.9	2062.1	155.2	96.5	58.7	39.1	26.1	22.2	22.2	13.0	11.7
65°	10015.6	1836.4	133.0	79.6	45.7	28.7	17.0	14.3	19.6	2.6	0.0
67.5°	*9295.7*	*1424.3*	*114.8*	*61.3*	*33.9*	*22.2*	*13.0*	*6.5*	*17.0*	*0.0*	*0.0*
70°	7433.1	905.2	92.6	44.3	26.1	18.3	10.4	2.6	13.0	0.0	0.0
72.5°	5256.3	525.6	73.0	31.3	22.2	14.3	7.8	0.0	7.8	0.0	0.0
75°	2658.1	280.4	45.7	23.5	17.0	10.4	5.2	0.0	1.3	0.0	0.0
77.5°	575.2	130.4	28.7	17.0	11.7	6.5	2.6	0.0	0.0	0.0	0.0
80°	125.2	57.4	18.3	10.4	6.5	3.9	0.0	0.0	0.0	0.0	0.0
82.5°	45.7	30.0	9.1	5.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.8	15.7	5.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.0	5.2	1.3	1.3	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

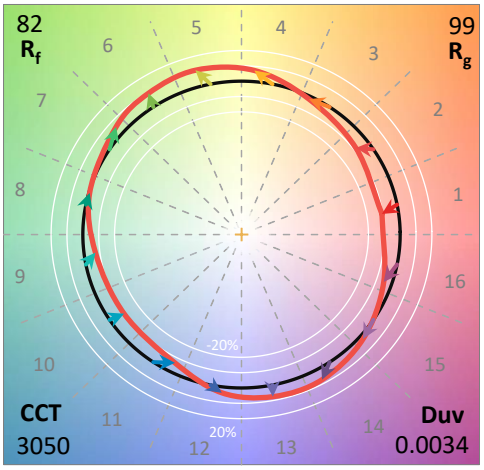
Test Information

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

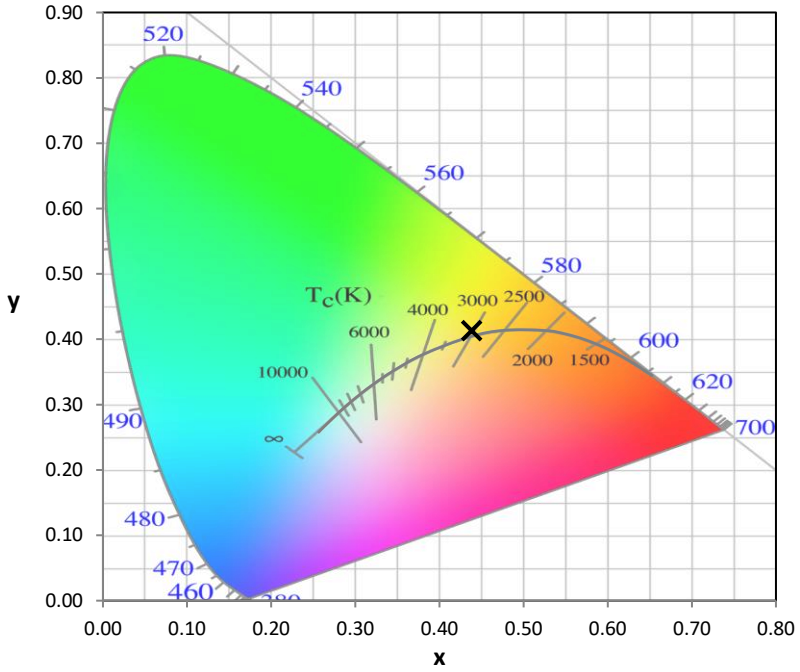
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

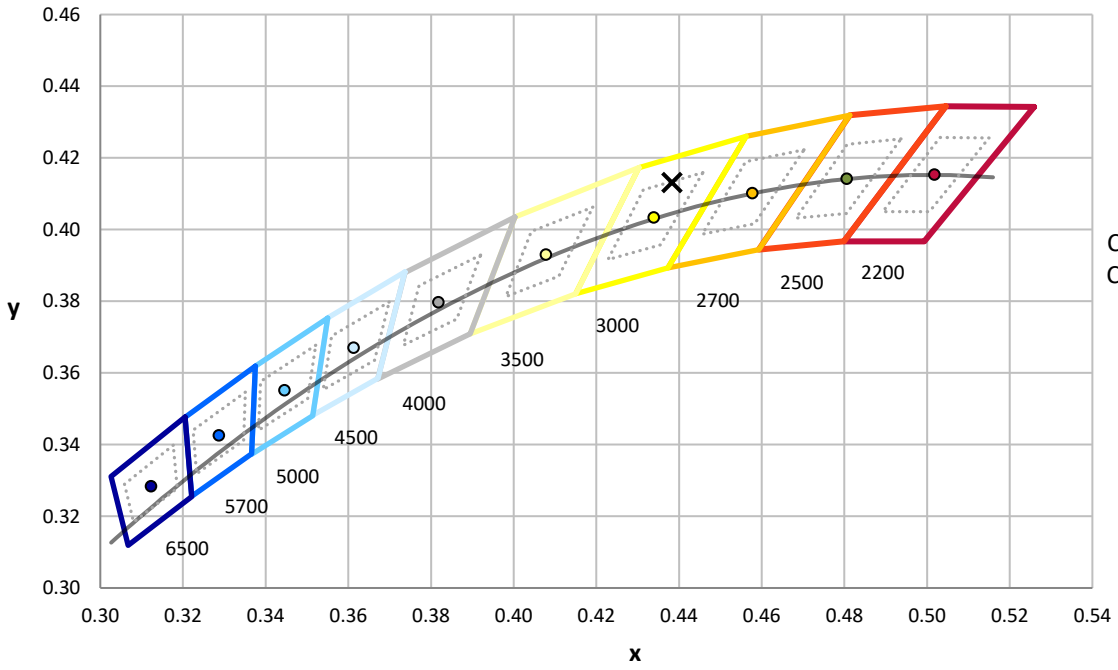
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

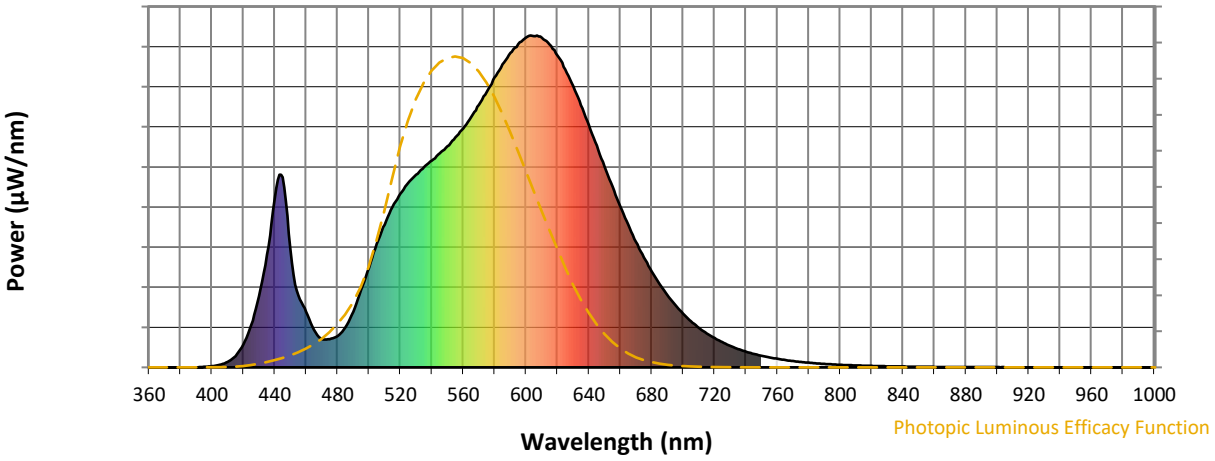


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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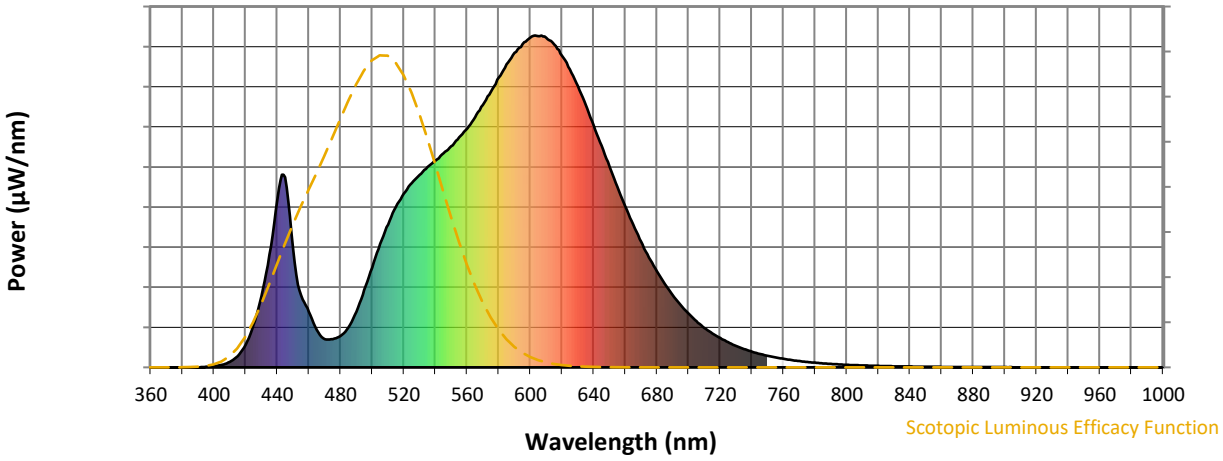
Scotopic Flux vs. Wavelength



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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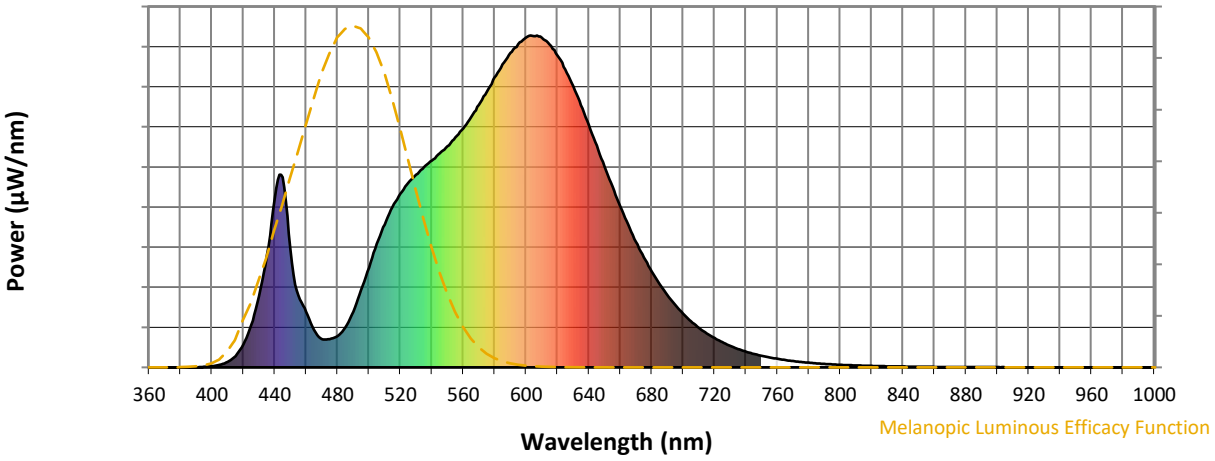
Melanopic Flux vs. Wavelength



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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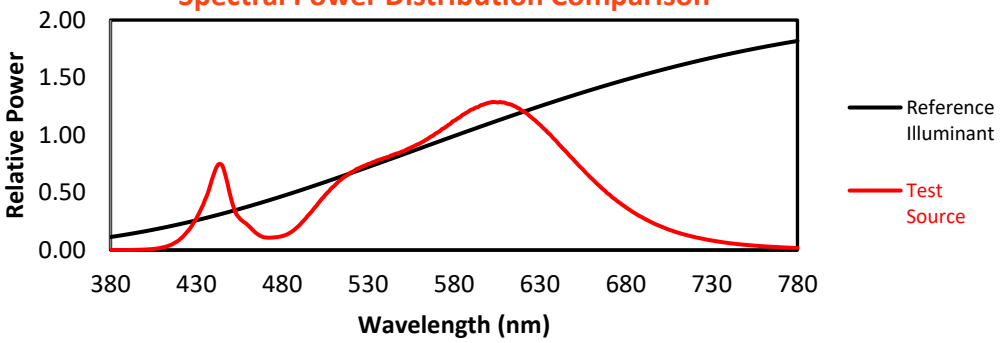
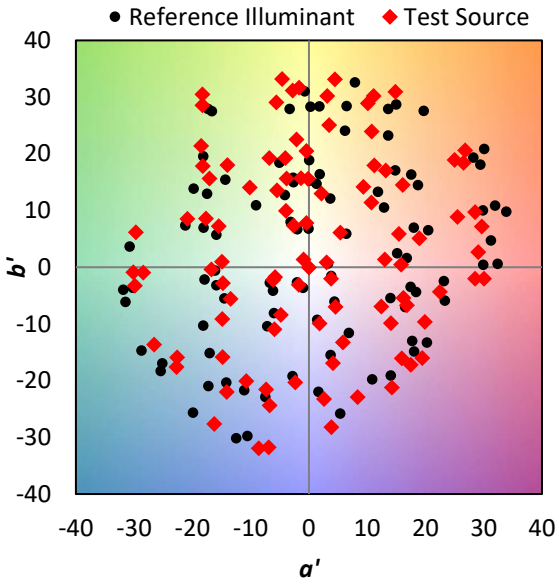
Summary

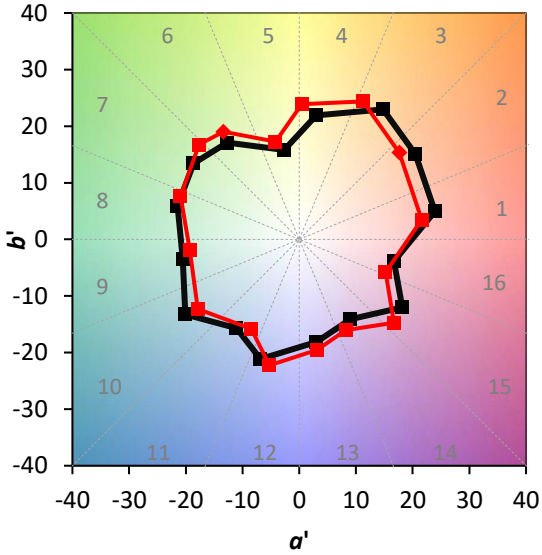
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

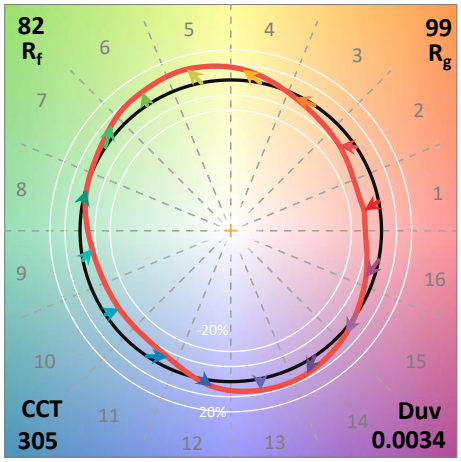
Spectral Power Distribution Comparison

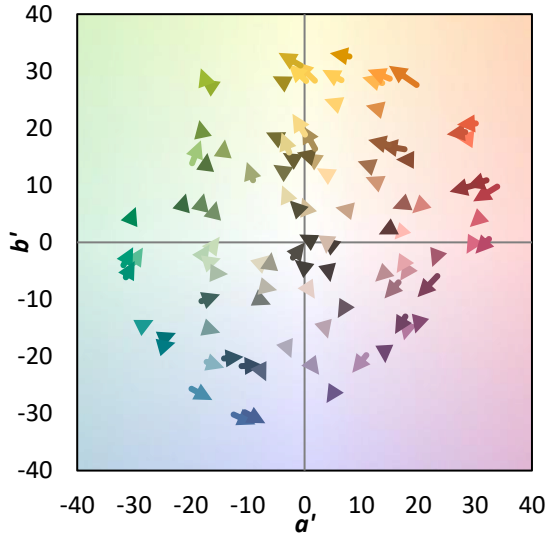


Color Vector Graphics









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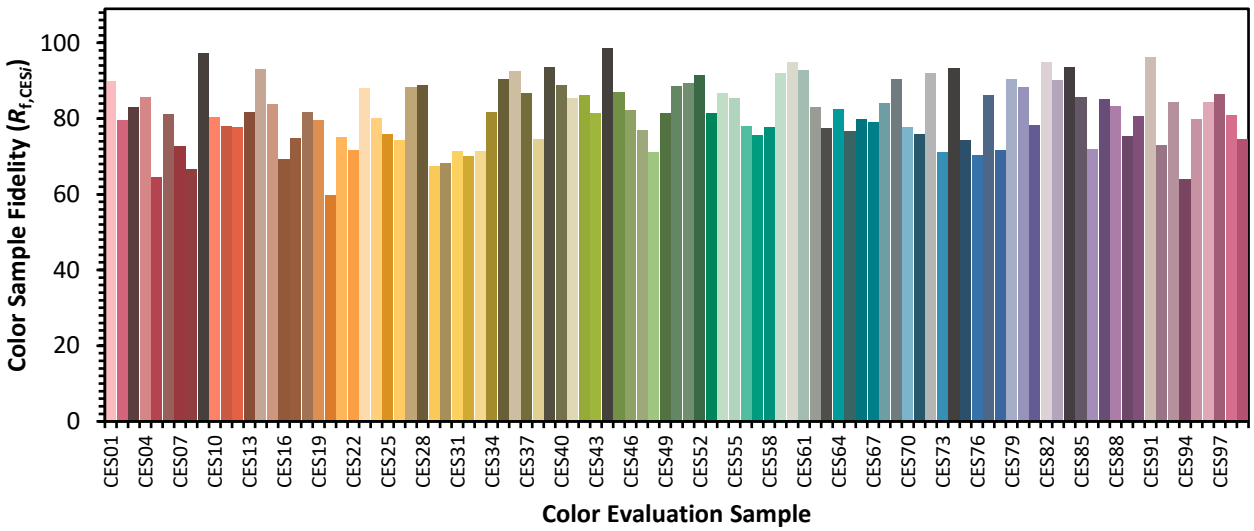
Individual Sample Fidelity Index ($R_{f,i}$)

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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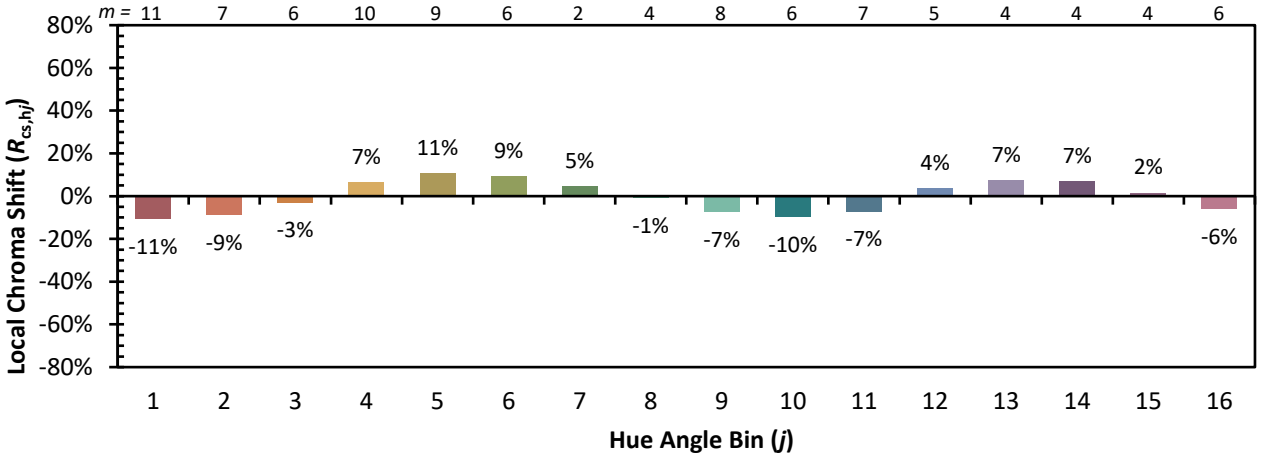
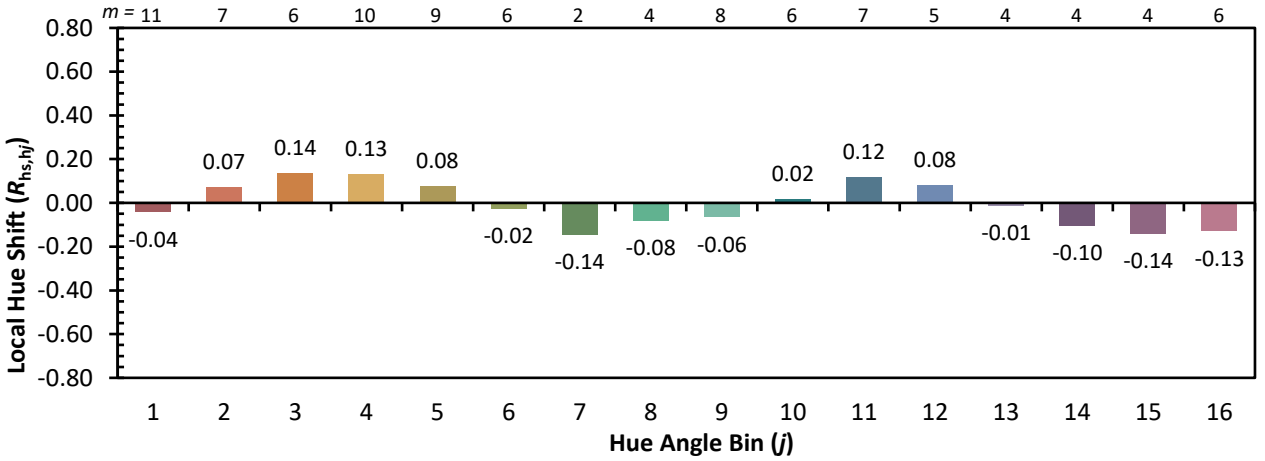
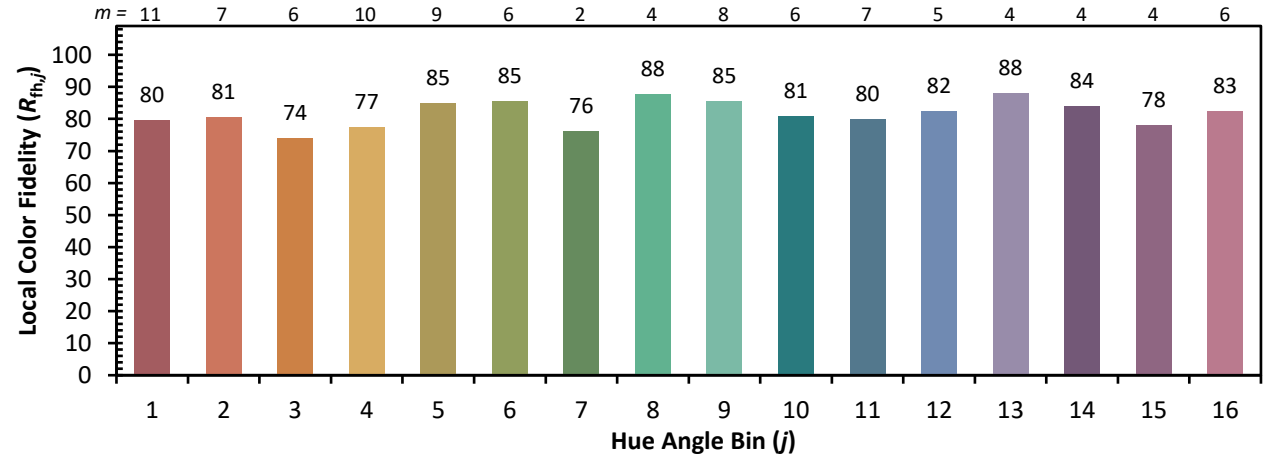
Color Rendition by Hue-Angle Bin







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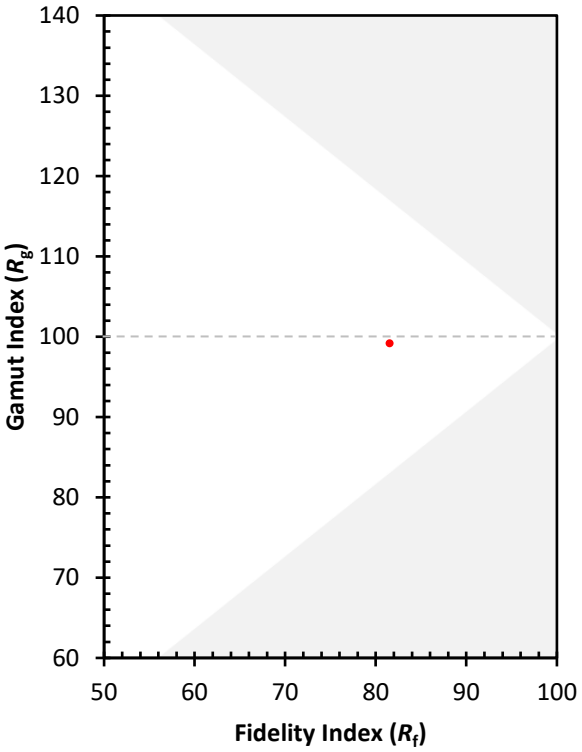
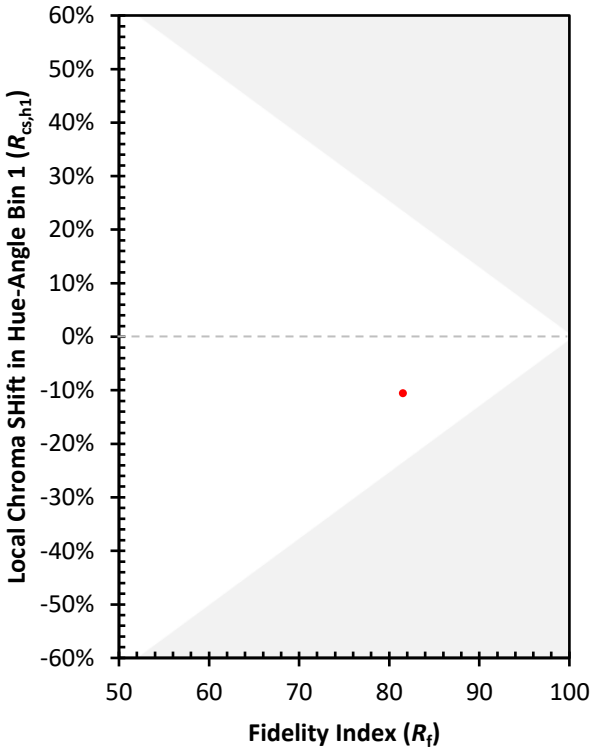
Measure Comparisons





(END OF REPORT)