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: P324002

Luminaire Tested: **GLEON-SA8B-830-U-SL4-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:	P324002
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA8B-830-U-SL4-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29538 lumens
Efficiency:	N/A
Efficacy:	88.4 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G5

Input Watts (W):	334
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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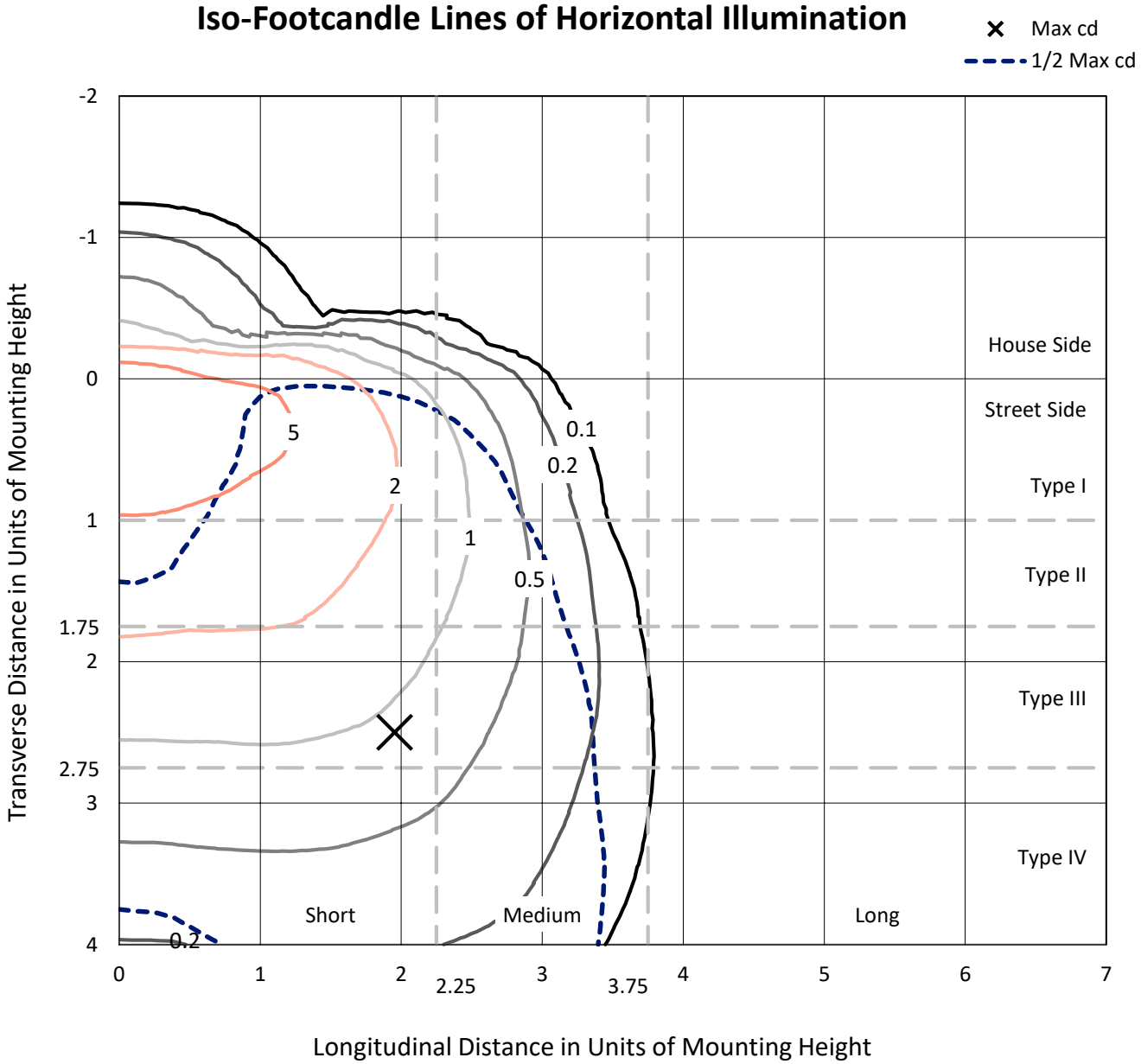
Scaled Data Report

REPORT NUMBER: P324002
CATALOG NUMBER: GLEON-SA8B-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
Type IV - Short - N/A

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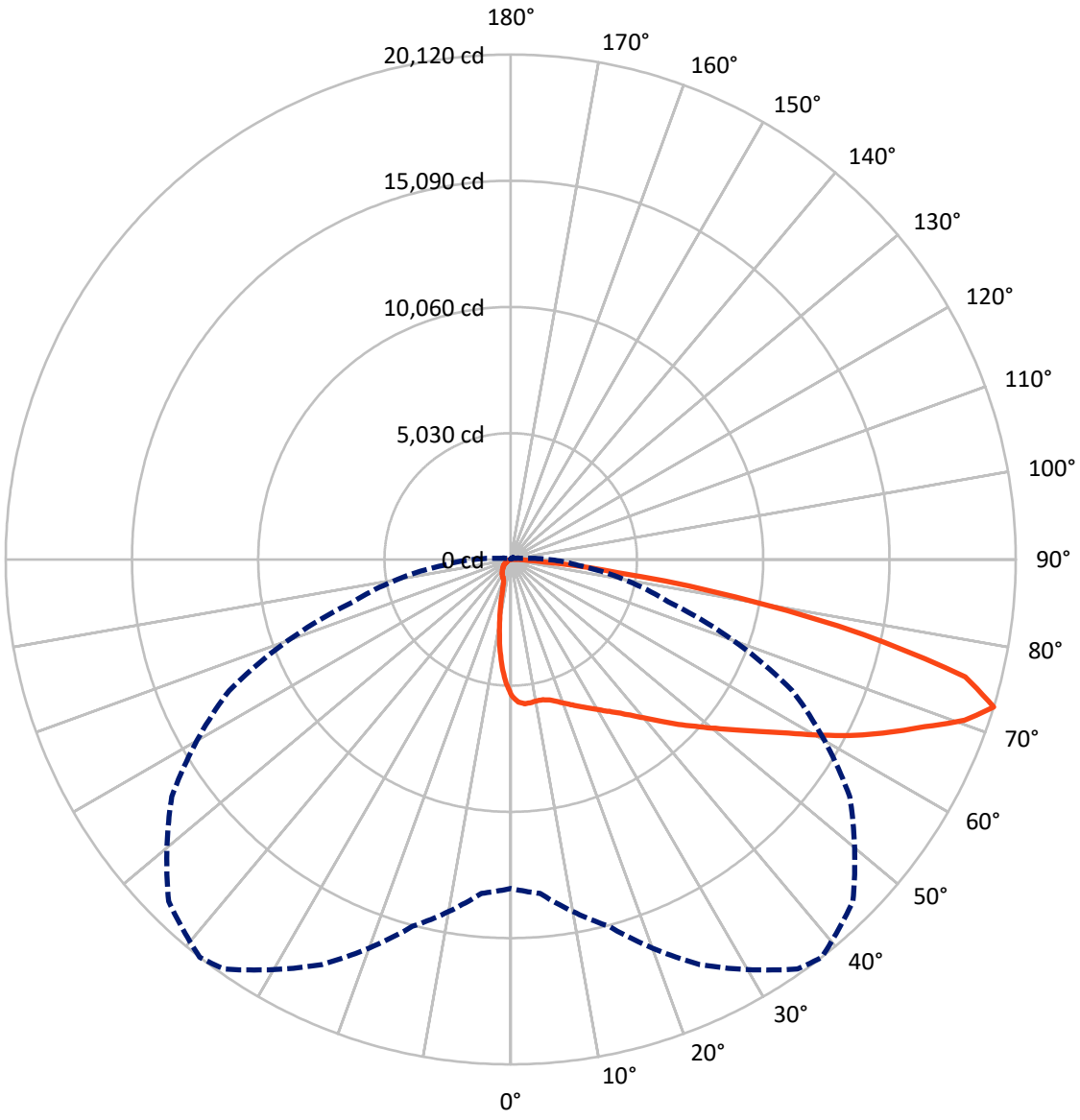
Luminous Intensity Polar Plot



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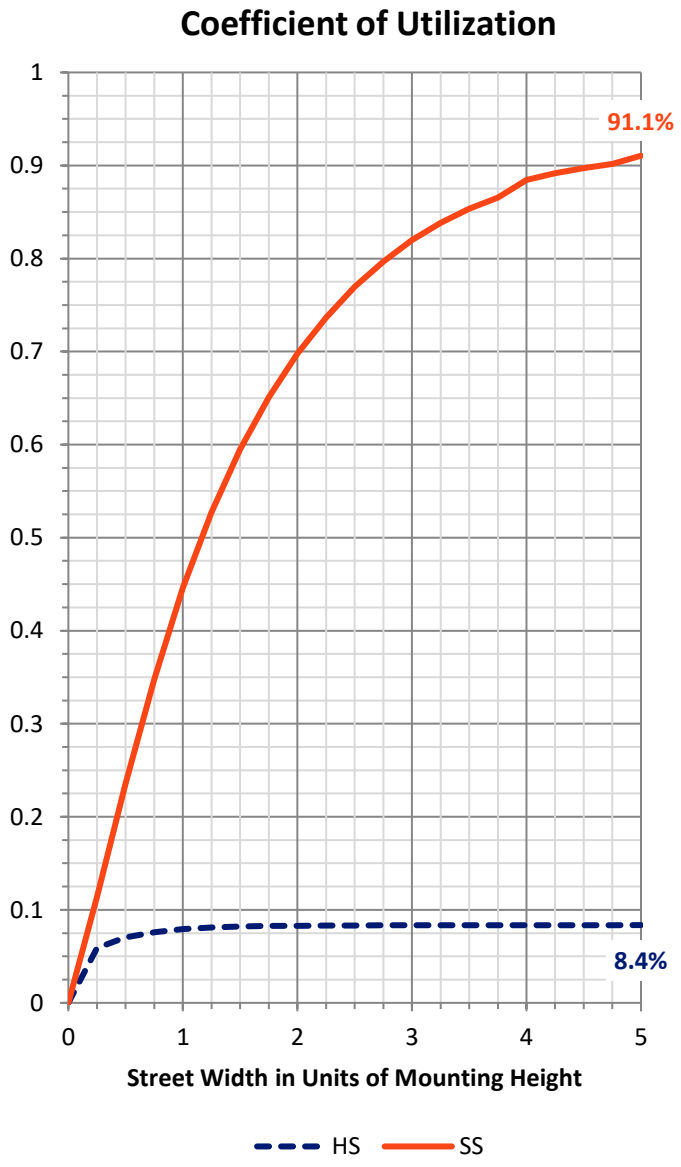
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2485.7	0.0	2485.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	27052.3	0.0	27052.3
	% Fixture	91.6	0.0	91.6
Total	Lumens	29538.0	0.0	29538.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.9	1.6
10°-20°	1131.9	3.8
20°-30°	1800.3	6.1
30°-40°	2706.5	9.2
40°-50°	4129.0	14.0
50°-60°	5835.7	19.8
60°-70°	7319.9	24.8
70°-80°	5473.2	18.5
80°-90°	678.7	2.3
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°	29538.0	100.0
0°-180°	29538.0	100.0



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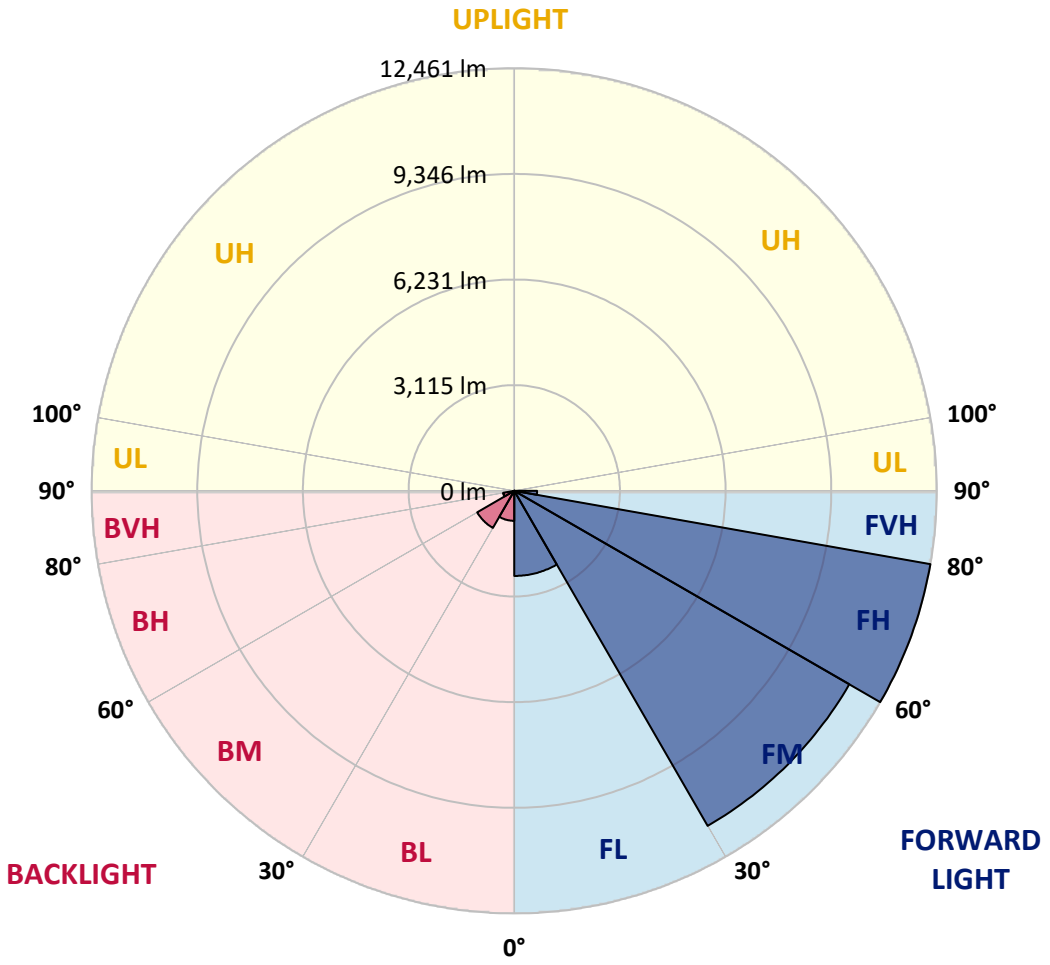
REPORT NUMBER: P324002
CATALOG NUMBER: GLEON-SA8B-830-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2510.0	8.5			
FM	(30°-60°)	11408.9	38.6			
FH	(60°-80°)	12461.0	42.2			G5
FVH	(80°-90°)	672.3	2.3			G4/750
BL	(0°-30°)	885.1	3.0	B2/1000		
BM	(30°-60°)	1262.3	4.3	B2/2500		
BH	(60°-80°)	332.0	1.1	B1/500		G1/500
BVH	(80°-90°)	6.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5
Type IV Short



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Scaled Data Report

REPORT NUMBER: P324002
CATALOG NUMBER: GLEON-SA8B-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	5431.9	5431.9	5431.9	5431.9	5431.9	5431.9	5431.9	5431.9	5431.9	5431.9	5431.9
2.5°	5765.6	5766.8	5753.3	5731.3	5703.0	5688.3	5663.8	5624.5	5582.8	5508.0	5427.0
5°	5883.4	5883.4	5866.2	5836.8	5791.4	5777.9	5731.3	5668.7	5582.8	5461.4	5325.2
7.5°	5871.1	5873.6	5850.3	5819.6	5774.2	5761.9	5705.5	5635.6	5528.9	5381.6	5207.5
10°	5807.3	5813.5	5795.1	5780.3	5738.6	5725.1	5672.4	5602.5	5495.7	5338.7	5138.8
12.5°	5742.3	5748.4	5754.6	5768.1	5742.3	5737.4	5695.7	5636.8	5535.0	5371.8	5146.1
15°	5700.6	5712.9	5757.0	5809.8	5815.9	5811.0	5784.0	5728.8	5625.8	5456.5	5198.9
17.5°	5700.6	5720.2	5812.2	5912.8	5948.4	5952.1	5928.8	5851.5	5728.8	5547.3	5247.9
20°	5748.4	5775.4	5919.0	6061.3	6120.1	6120.1	6074.7	5966.8	5823.3	5629.4	5281.1
22.5°	5871.1	5906.7	6087.0	6251.4	6314.0	6300.5	6239.1	6082.1	5921.4	5722.7	5322.8
25°	6112.8	6139.8	6327.5	6493.1	6531.1	6500.4	6423.1	6222.0	6046.5	5849.0	5398.8
27.5°	6424.4	6428.0	6621.9	6761.7	6738.4	6717.5	6620.6	6397.4	6226.9	6029.4	5530.1
30°	6766.6	6766.6	6937.1	7043.9	6972.7	6955.5	6858.6	6609.6	6457.5	6274.7	5716.5
32.5°	7097.8	7112.6	7251.2	7318.6	7238.9	7221.7	7127.3	6878.3	6764.2	6648.9	6007.3
35°	7418.0	7429.1	7560.3	7597.1	7521.1	7526.0	7458.5	7247.5	7204.6	7189.8	6445.2
37.5°	7728.4	7730.8	7864.5	7887.8	7849.8	7891.5	7897.7	7711.2	7790.9	7909.9	7062.3
40°	8011.7	8014.2	8146.7	8206.8	8271.8	8325.8	8373.6	8274.3	8538.0	8814.0	7797.1
42.5°	8238.7	8264.5	8432.5	8546.6	8718.3	8821.4	8951.4	8946.5	9427.4	9842.0	8685.2
45°	8438.6	8482.8	8717.1	8917.1	9211.5	9375.9	9579.5	9739.0	10428.4	10986.6	9584.4
47.5°	8702.4	8744.1	9011.5	9339.1	9731.6	9947.5	10284.9	10629.6	11528.8	12110.2	10462.7
50°	9074.1	9055.7	9319.4	9789.3	10293.5	10576.8	11057.7	11574.2	12620.6	13089.2	10979.2
52.5°	9470.3	9463.0	9658.0	10278.7	10955.9	11287.1	11922.5	12550.6	13664.5	13763.9	11216.0
55°	9961.0	9908.3	10072.6	10836.9	11742.2	12098.0	12846.3	13517.3	14496.2	14144.1	11334.9
57.5°	10475.0	10387.9	10544.9	11458.8	12629.1	13049.9	13869.4	14459.4	15049.5	14404.2	11333.7
60°	11006.2	10903.1	11089.6	12236.6	13730.7	14217.7	14978.3	15096.1	15565.9	14535.5	11250.3
62.5°	11450.3	11388.9	11666.2	13068.3	14961.1	15439.6	15816.2	15675.1	16001.4	14637.3	11055.3
65°	11920.1	11923.8	12371.5	14038.6	16268.8	16591.5	16623.4	16425.9	16365.7	14616.4	10395.3
67.5°	12555.5	12614.4	13361.5	15356.2	17540.9	17790.0	17787.5	17239.2	16631.9	13787.2	8931.8
70°	13227.8	13366.4	14502.3	16863.8	18929.6	19182.3	19052.3	17756.9	15660.4	11148.5	6321.3
72.5°	13114.9	13355.4	15136.6	17814.5	19926.9	20119.5	19274.3	16484.7	12377.7	6479.6	2691.4
75°	10118.0	10396.5	13879.2	16872.4	18880.5	18707.6	16560.8	12827.9	6764.2	1808.2	606.0
77.5°	5344.8	5493.3	9168.5	12853.6	14721.9	14360.0	11666.2	7116.2	2062.1	447.8	272.3
80°	2799.4	2833.7	3995.4	7292.9	9086.4	9088.8	6913.8	3125.7	850.1	229.4	182.8
82.5°	1499.1	1528.5	2111.2	3369.8	4760.9	4315.6	2647.3	1719.9	494.4	130.0	175.4
85°	360.7	366.8	1197.3	1539.5	1872.0	1337.1	786.3	1443.9	133.7	76.1	142.3
87.5°	138.6	141.1	444.1	666.1	477.2	309.1	368.0	538.5	17.2	29.4	22.1
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: P324002
CATALOG NUMBER: GLEON-SA8B-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5431.9	5431.9	5431.9	5431.9	5431.9	5431.9	5431.9	5431.9	5431.9	5431.9	5431.9
2.5°	5378.0	5346.1	5267.6	5168.2	5079.9	5016.1	4920.4	4857.8	4816.1	4814.9	4799.0
5°	5241.8	5176.8	5007.5	4806.3	4623.5	4459.1	4265.3	4112.0	3997.9	3979.5	3940.2
7.5°	5095.8	4989.1	4729.0	4415.0	4108.3	3796.7	3434.8	3210.3	3017.7	2925.7	2915.9
10°	5006.3	4856.6	4487.4	4033.5	3552.6	3046.0	2572.4	2244.9	2008.1	1940.7	1890.4
12.5°	4987.9	4790.4	4300.9	3675.3	2988.3	2318.5	1794.7	1446.3	1257.4	1197.3	1181.3
15°	5006.3	4759.7	4143.9	3320.7	2416.6	1645.0	1204.6	1002.2	931.1	913.9	912.7
17.5°	5017.3	4722.9	3966.0	2927.0	1862.2	1175.2	922.5	863.6	852.6	851.3	853.8
20°	5016.1	4666.5	3753.8	2487.8	1385.0	923.7	834.2	821.9	819.5	820.7	819.5
22.5°	5007.5	4600.2	3520.7	2035.1	1046.4	825.6	796.1	788.8	787.6	787.6	787.6
25°	5023.4	4547.5	3264.3	1602.1	862.4	780.2	761.8	755.7	754.4	754.4	752.0
27.5°	5081.1	4518.0	2983.4	1232.9	779.0	739.7	725.0	723.8	720.1	718.9	721.3
30°	5174.3	4518.0	2675.5	959.3	728.7	698.0	687.0	684.5	683.3	682.1	683.3
32.5°	5338.7	4552.4	2339.4	797.4	680.8	651.4	644.0	647.7	644.0	644.0	644.0
35°	5635.6	4655.4	1987.3	695.6	630.5	606.0	598.6	603.5	601.1	601.1	599.9
37.5°	6068.6	4846.8	1632.8	634.2	586.4	560.6	550.8	558.2	555.7	555.7	554.5
40°	6596.1	5125.3	1295.4	587.6	543.4	516.5	507.9	511.5	505.4	505.4	507.9
42.5°	7247.5	5478.6	1001.0	542.2	500.5	474.7	469.8	466.2	455.1	449.0	450.2
45°	7971.3	5846.6	780.2	498.1	460.0	439.2	431.8	422.0	403.6	391.3	392.6
47.5°	8617.7	6129.9	634.2	455.1	423.2	407.3	396.2	377.8	350.8	336.1	337.3
50°	8957.6	6172.9	539.8	412.2	388.9	372.9	357.0	328.8	296.9	280.9	279.7
52.5°	9044.6	5971.7	469.8	372.9	354.5	336.1	315.3	277.2	241.7	224.5	222.0
55°	9076.5	5665.0	407.3	336.1	317.7	296.9	269.9	226.9	193.8	176.6	175.4
57.5°	8971.0	5207.5	358.2	303.0	280.9	255.2	222.0	181.6	149.7	136.2	136.2
60°	8736.7	4588.0	320.2	267.4	242.9	213.5	179.1	141.1	111.6	100.6	100.6
62.5°	8269.4	3785.7	284.6	230.6	207.3	176.6	144.8	106.7	78.5	72.4	73.6
65°	7387.3	2871.8	249.0	197.5	176.6	146.0	112.9	76.1	52.7	52.7	55.2
67.5°	6024.4	1994.7	212.2	168.1	152.1	119.0	85.9	52.7	36.8	41.7	46.6
70°	3988.1	1118.8	181.6	138.6	130.0	94.5	63.8	35.6	29.4	39.3	47.8
72.5°	*1505.2*	*435.5*	*152.1*	*111.6*	*112.9*	*72.4*	*45.4*	*27.0*	*27.0*	*42.9*	*56.4*
75°	419.5	213.5	109.2	82.2	88.3	52.7	33.1	23.3	25.8	49.1	66.2
77.5°	246.6	157.0	71.2	47.8	60.1	36.8	22.1	18.4	22.1	41.7	63.8
80°	198.7	83.4	41.7	24.5	33.1	20.9	14.7	11.0	6.1	15.9	33.1
82.5°	198.7	50.3	19.6	17.2	17.2	11.0	7.4	4.9	1.2	0.0	8.6
85°	133.7	20.9	12.3	11.0	8.6	3.7	2.5	1.2	0.0	0.0	0.0
87.5°	22.1	8.6	4.9	2.5	1.2	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

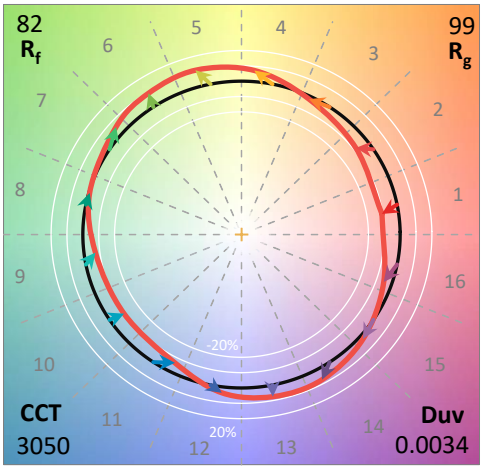
Test Information

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

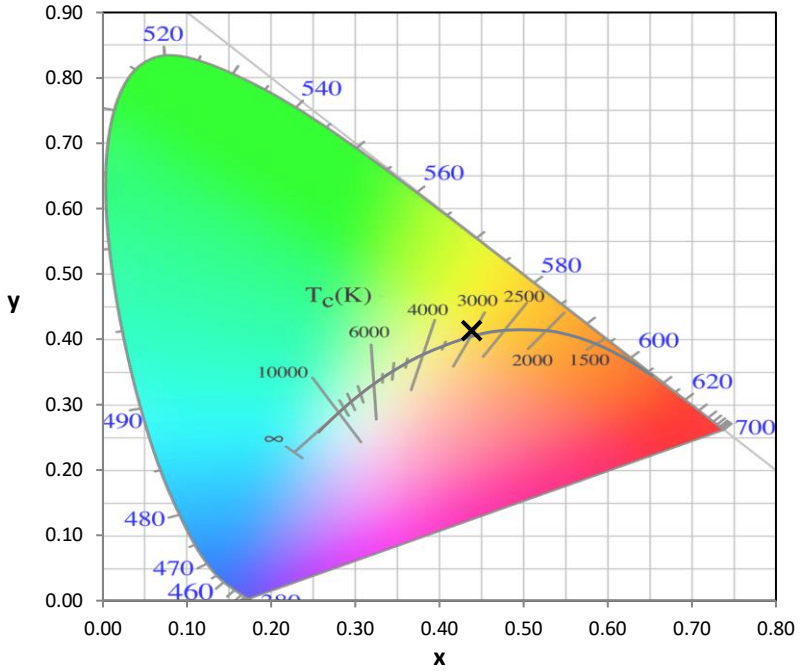
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

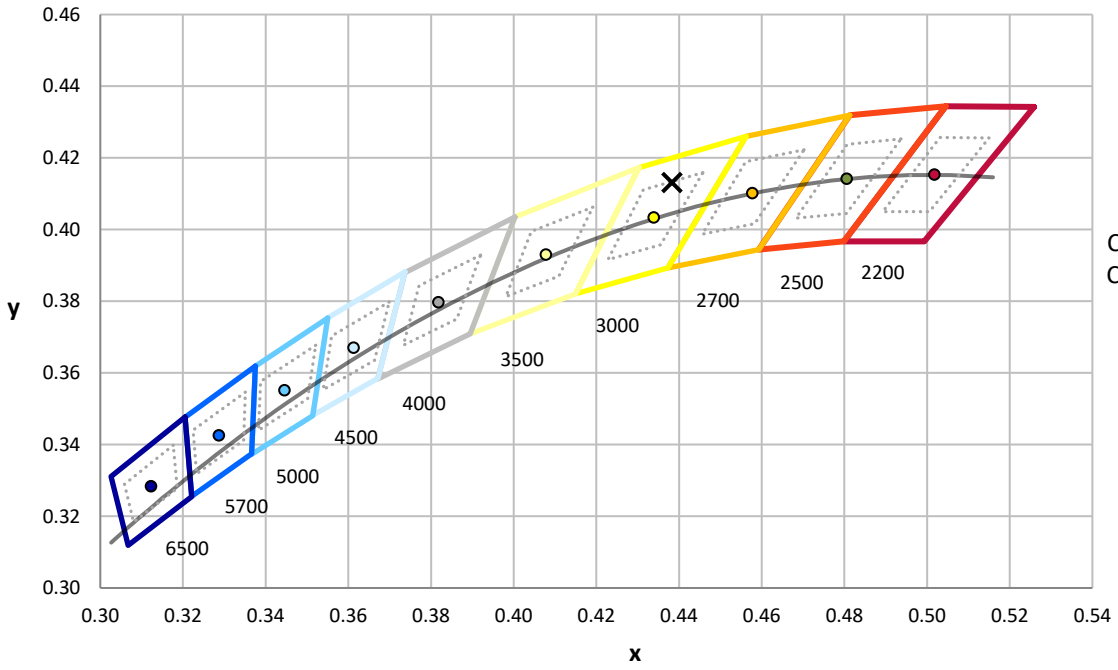
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

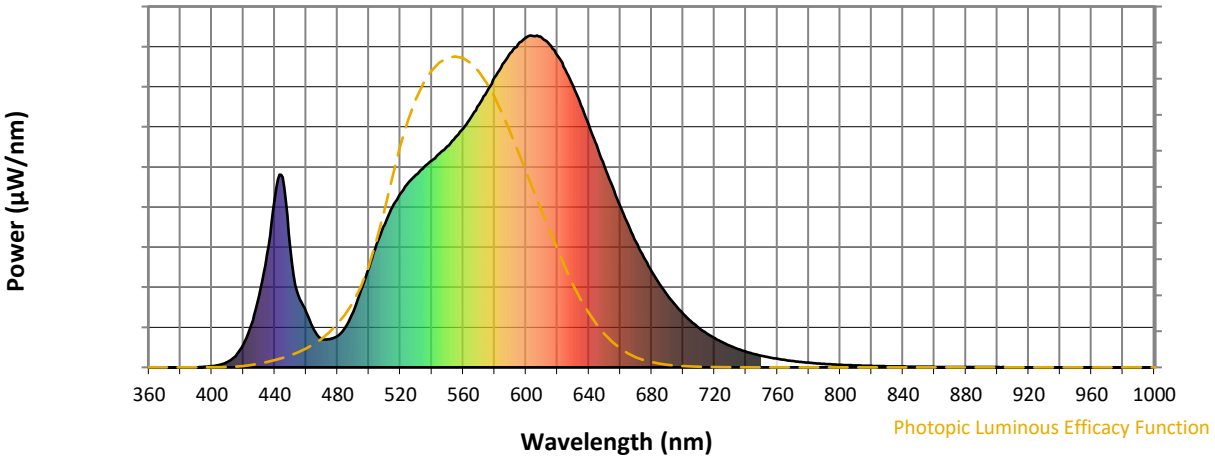


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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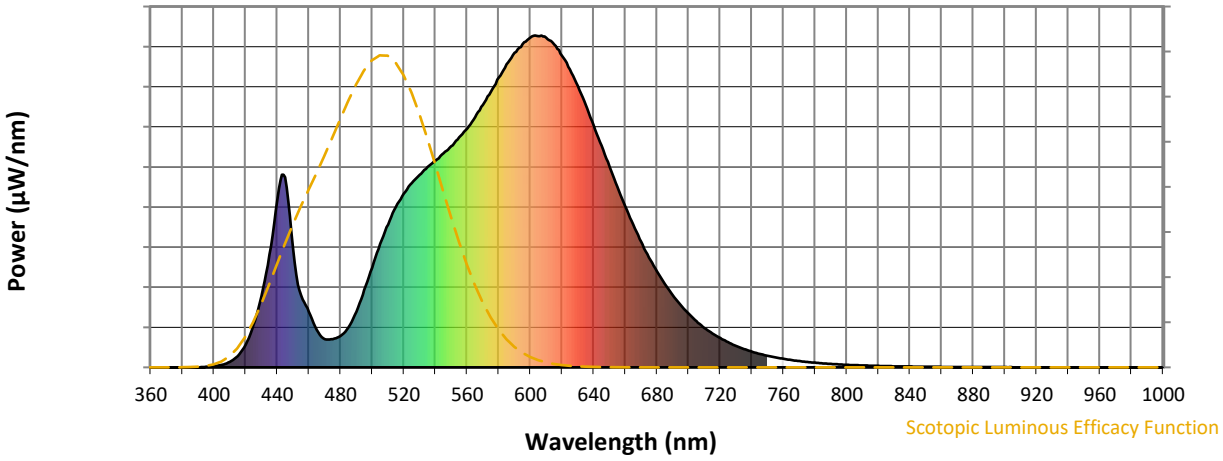
Scotopic Flux vs. Wavelength



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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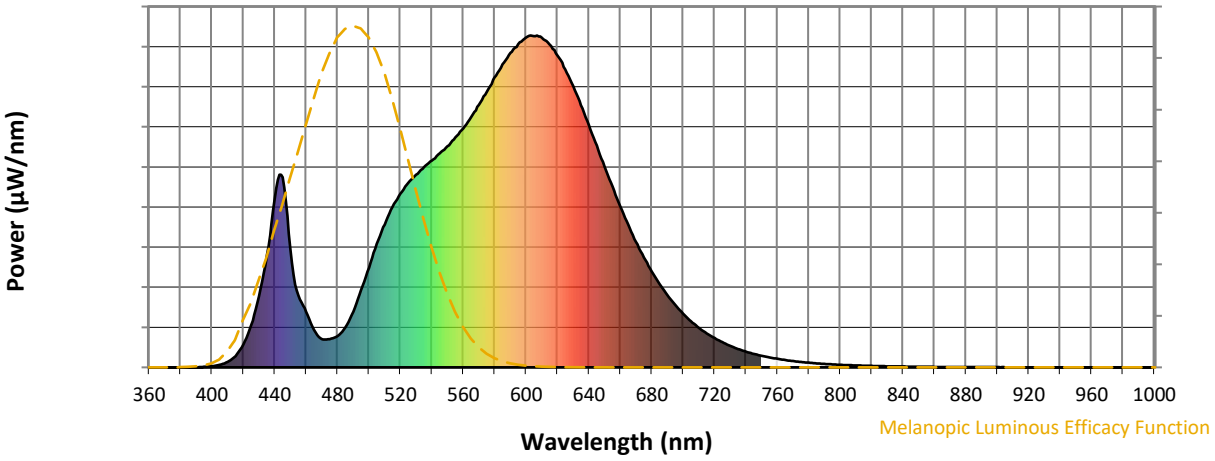
Melanopic Flux vs. Wavelength



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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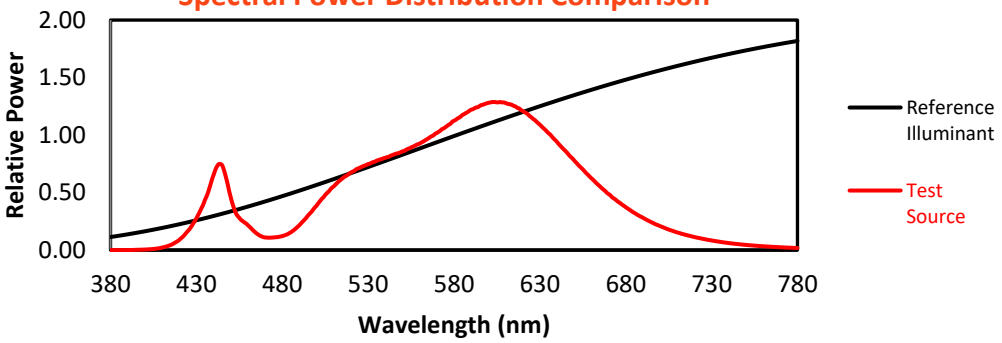
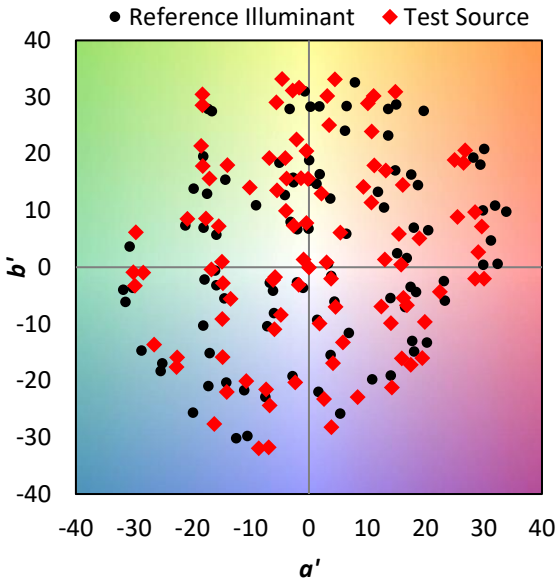
Summary

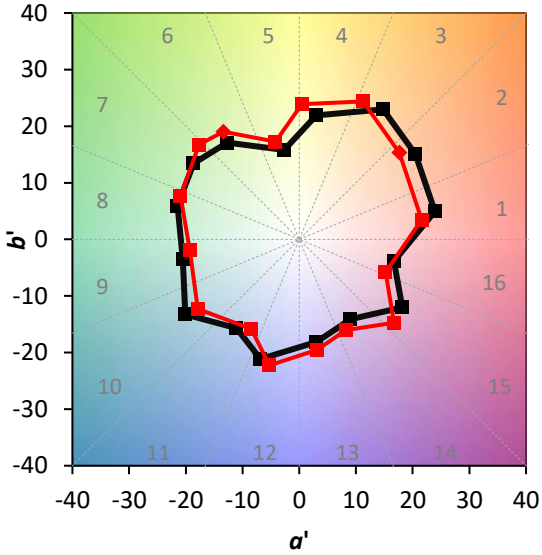
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

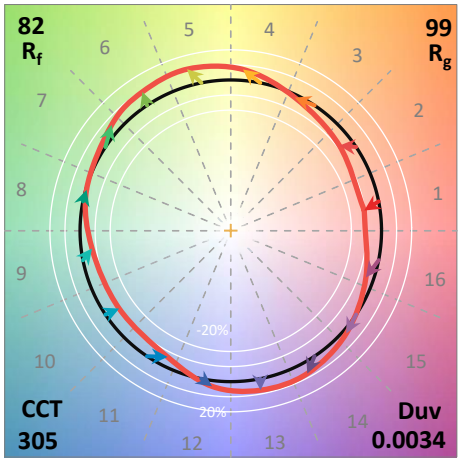
Spectral Power Distribution Comparison

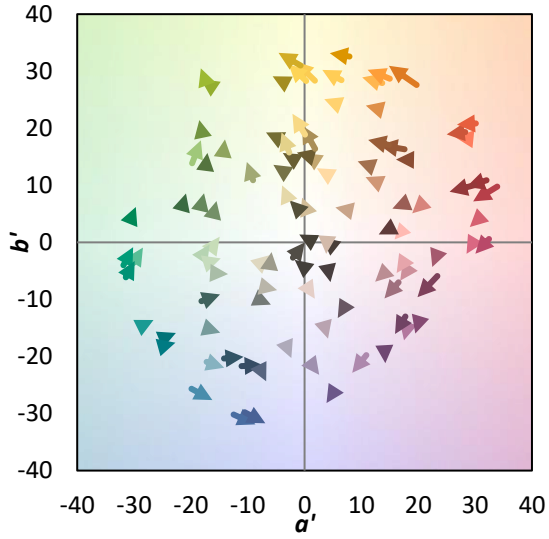


Color Vector Graphics









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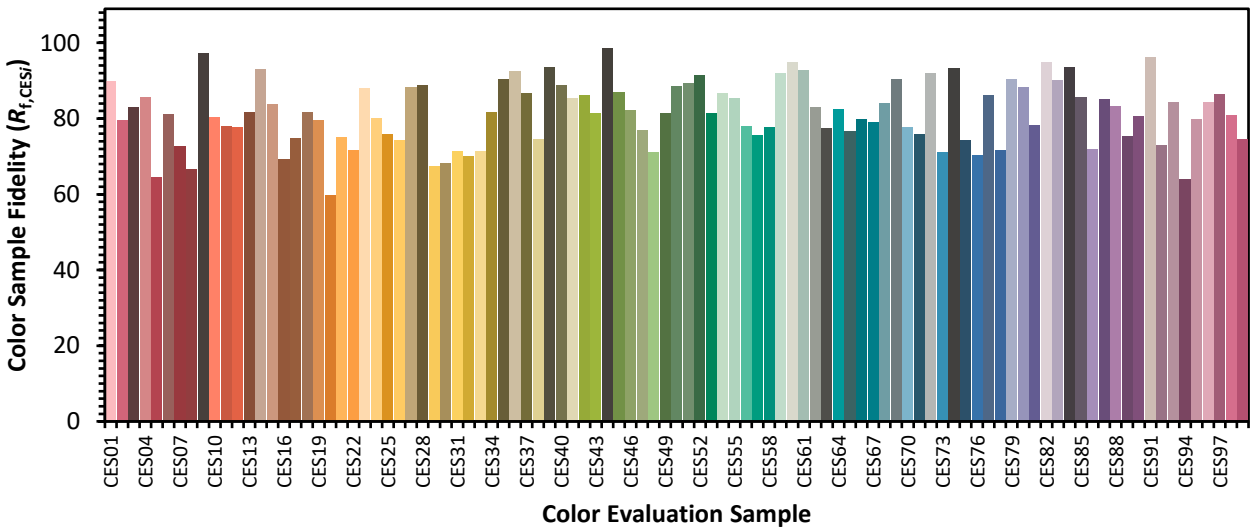
Individual Sample Fidelity Index ($R_{f,i}$)

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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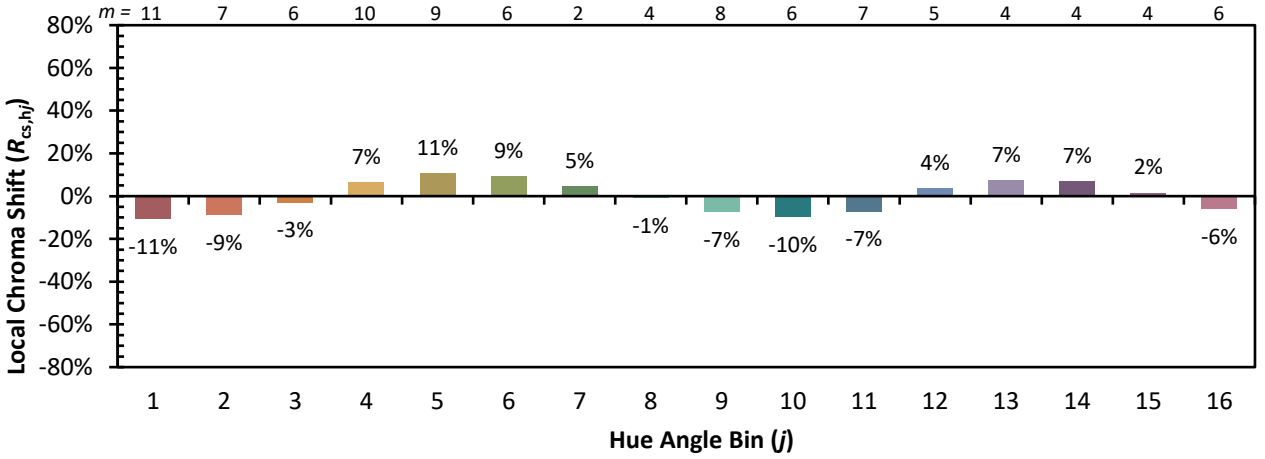
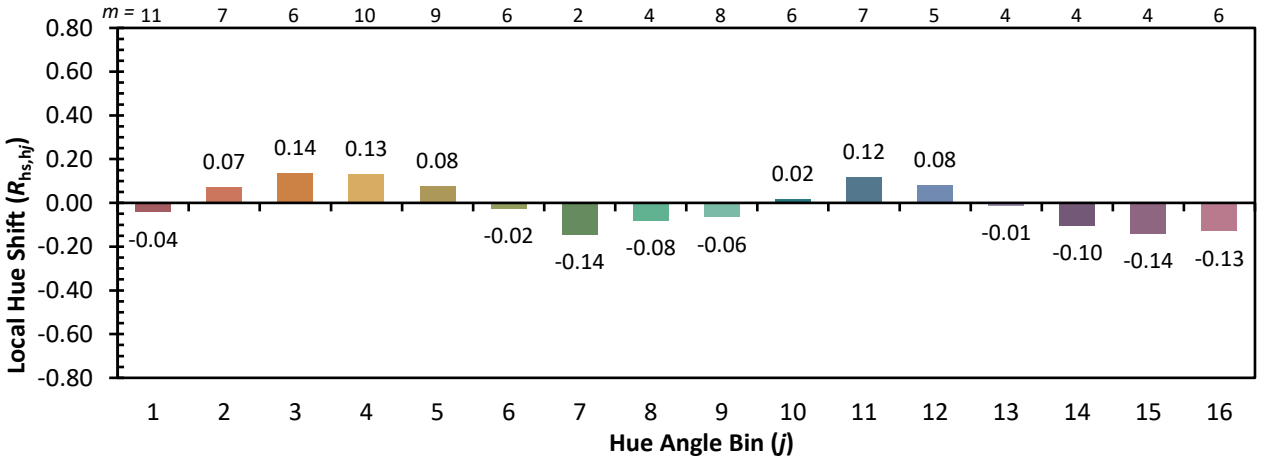
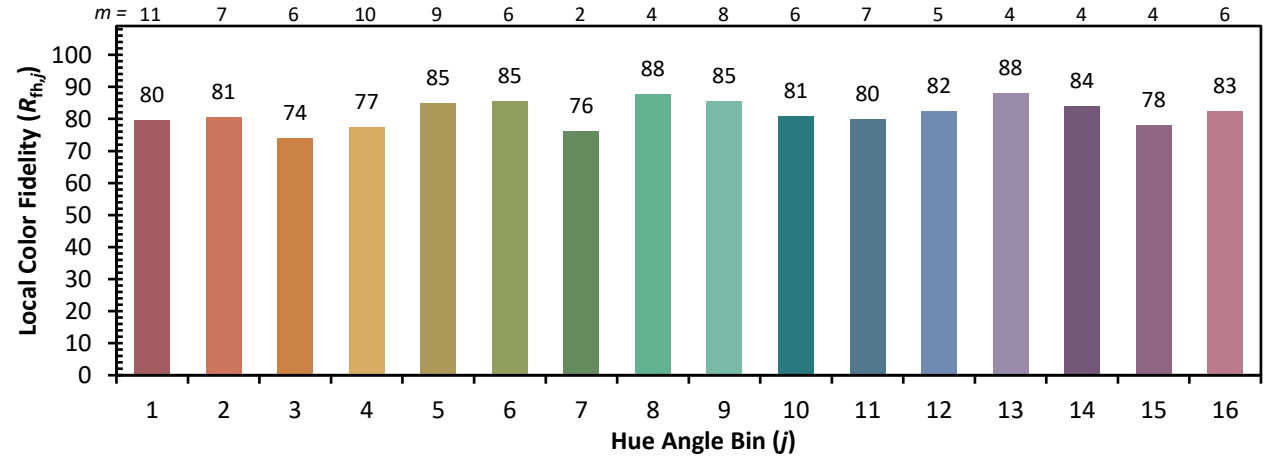
Color Rendition by Hue-Angle Bin







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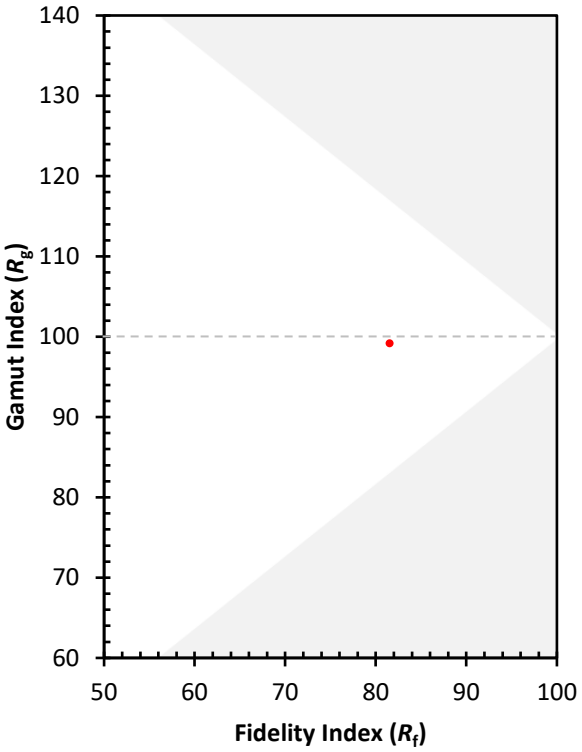
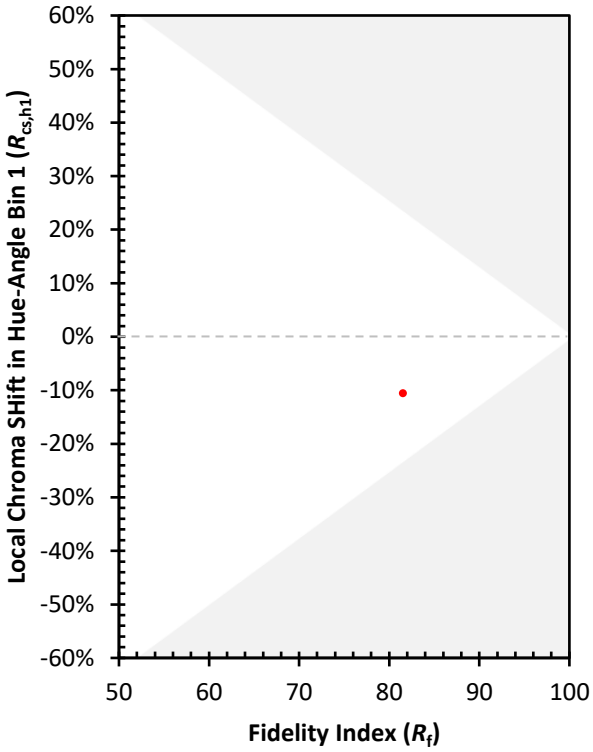
Measure Comparisons





(END OF REPORT)