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: P386062

Luminaire Tested: **GPC-SA1C-830-U-T3-HSS**

Issue Date: 3/3/2020

Report Generated By 670245982

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:	P386062
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1C-830-U-T3-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4375 lumens
Efficiency:	N/A
Efficacy:	75.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	58
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:	28.75 FT

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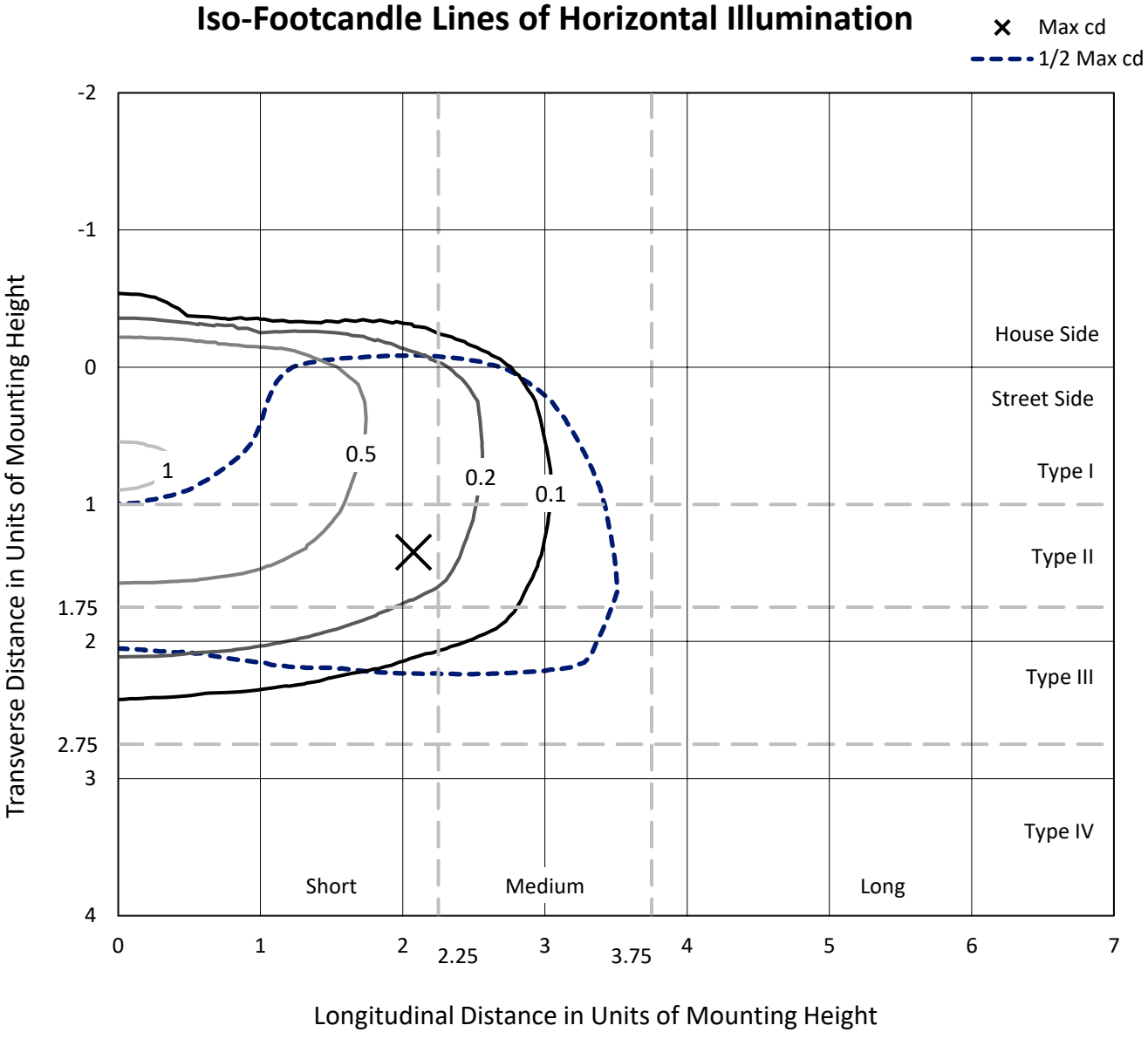
REPORT NUMBER: P386062
CATALOG NUMBER: GPC-SA1C-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type III - Short - N/A

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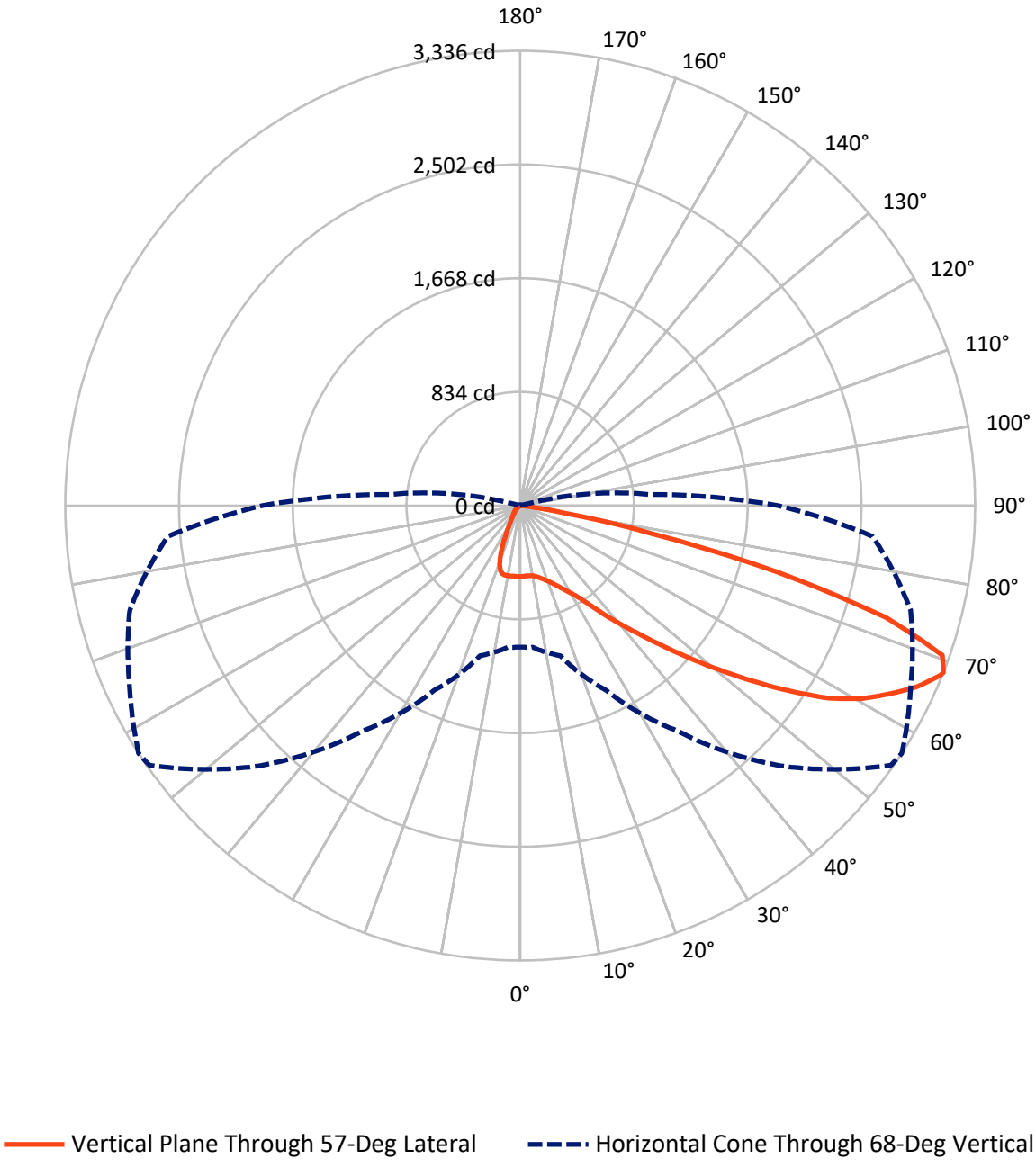
Luminous Intensity Polar Plot



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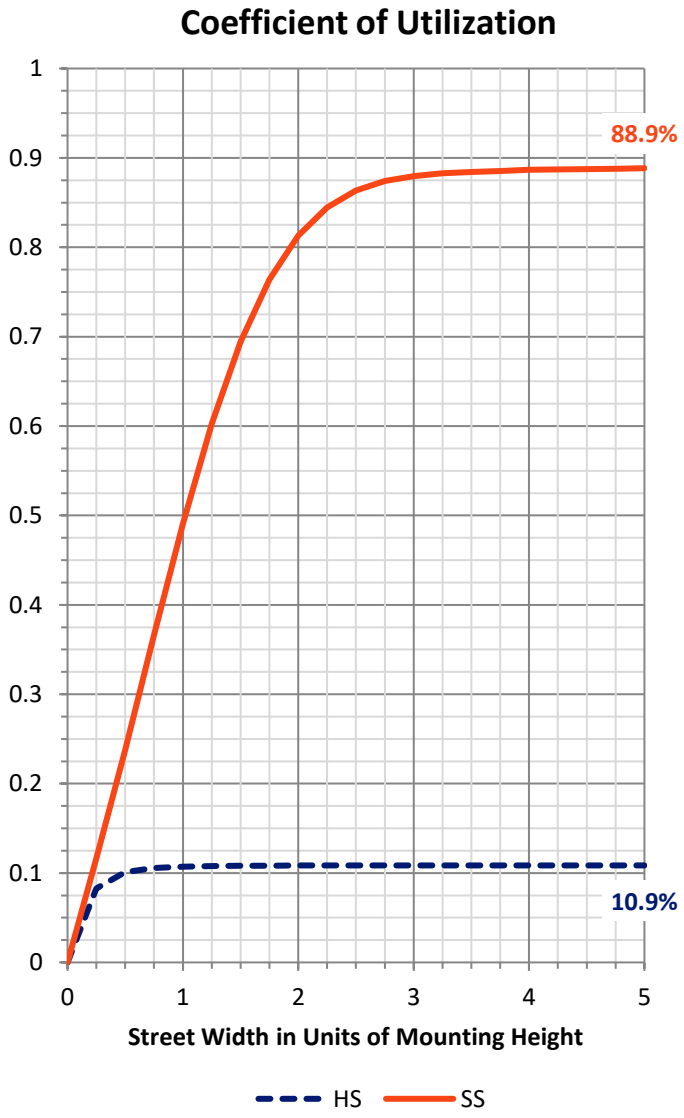
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.7	0.0	479.7
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	3895.3	0.0	3895.3
	% Fixture	89.0	0.0	89.0
Total	Lumens	4375.0	0.0	4375.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	1.1
10°-20°	134.8	3.1
20°-30°	232.6	5.3
30°-40°	401.4	9.2
40°-50°	686.6	15.7
50°-60°	1098.5	25.1
60°-70°	1269.2	29.0
70°-80°	485.0	11.1
80°-90°	18.2	0.4
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°	4375.0	100.0
0°-180°	4375.0	100.0



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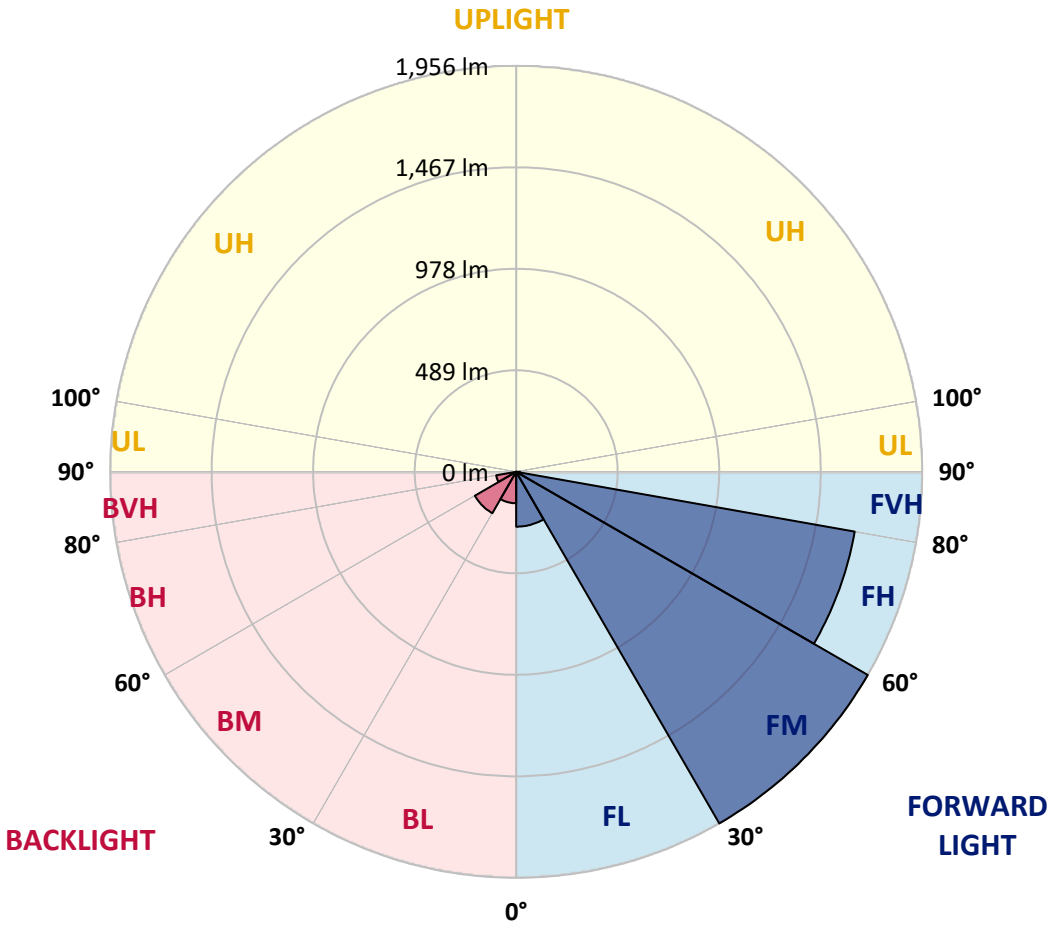
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	264.4	6.0			
FM	(30°-60°)	1956.5	44.7			
FH	(60°-80°)	1656.5	37.9			G1/1800
FVH	(80°-90°)	17.8	0.4			G1/100
BL	(0°-30°)	151.6	3.5	B1/500		
BM	(30°-60°)	230.1	5.3	B1/1000		
BH	(60°-80°)	97.7	2.2	B0/110		G0/110
BVH	(80°-90°)	0.3	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-G1
Type III Short



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Scaled Data Report

REPORT NUMBER: P386062
CATALOG NUMBER: GPC-SA1C-830-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	519.9	519.9	519.9	519.9	519.9	519.9	519.9	*519.9*	519.9	519.9	519.9
2.5°	507.7	509.9	511.6	512.6	513.9	516.6	517.4	*518.6*	519.2	519.2	520.7
5°	487.6	490.1	493.6	496.5	502.3	509.7	515.1	*517.2*	520.9	524.2	526.1
7.5°	469.0	471.9	476.0	482.8	492.8	504.8	515.9	*518.8*	526.1	533.1	536.6
10°	457.0	459.3	464.6	474.4	487.4	504.1	519.9	*523.4*	535.8	547.6	554.2
12.5°	452.8	454.9	460.5	471.5	487.6	507.2	529.0	*534.1*	552.3	569.5	578.8
15°	458.8	459.3	465.3	475.6	491.5	514.9	544.1	*550.3*	573.2	595.6	607.2
17.5°	482.0	480.1	483.2	487.8	500.4	525.0	560.0	*569.3*	599.9	626.2	637.2
20°	539.9	539.9	532.9	520.5	520.7	540.8	581.5	*592.1*	629.5	659.9	669.8
22.5°	639.0	637.2	623.1	592.7	564.8	567.9	607.8	*621.4*	665.1	697.6	700.9
25°	758.2	755.9	734.2	691.4	643.0	611.7	643.4	*659.1*	707.5	736.3	729.4
27.5°	884.4	882.5	861.0	807.8	738.9	681.6	685.8	*700.7*	750.7	779.1	757.4
30°	1006.6	1007.3	985.9	931.3	853.3	770.8	739.6	*748.3*	792.7	821.5	790.5
32.5°	1122.9	1123.7	1105.3	1044.3	971.5	874.4	814.0	*811.8*	841.5	869.9	834.3
35°	1226.5	1228.6	1216.0	1168.6	1091.4	989.9	910.6	*905.3*	910.9	942.9	901.5
37.5°	1326.5	1327.7	1318.2	1278.3	1213.7	1116.7	1032.7	*1025.0*	1013.0	1037.7	990.3
40°	1435.9	1432.8	1421.8	1385.6	1330.2	1256.7	1163.9	*1150.6*	1129.7	1151.6	1107.0
42.5°	1537.7	1534.2	1536.0	1495.1	1448.3	1400.7	1316.7	*1294.0*	1281.8	1307.0	1250.1
45°	1664.9	1663.0	1669.2	1633.7	1595.8	1561.3	1491.9	*1467.1*	1461.7	1491.3	1423.3
47.5°	1790.5	1795.0	1814.3	1799.2	1783.8	1753.4	1677.5	*1666.3*	1669.7	1705.4	1605.9
50°	1895.1	1900.5	1953.3	1970.6	1992.8	1975.0	1898.9	*1892.0*	1905.1	1937.3	1802.5
52.5°	1970.9	1981.8	2047.4	2127.5	2208.1	2220.1	2144.2	*2138.0*	2155.6	2160.6	1954.3
55°	2023.4	2033.1	2107.4	2253.9	2418.1	2469.8	2422.7	*2398.7*	2395.4	2346.3	2114.0
57.5°	2032.7	2031.7	2138.4	2335.6	2582.8	2716.2	2686.4	*2662.8*	2595.0	2518.0	2297.1
60°	1980.2	1986.2	2110.1	2363.9	2686.2	2902.6	2904.9	*2874.3*	2768.5	2685.0	2474.6
62.5°	1818.4	1842.8	1968.0	2289.6	2685.0	2977.7	3065.0	*3041.6*	2915.2	2821.7	2654.6
65°	1556.1	1564.8	1684.1	2035.2	2503.5	2946.2	3209.2	*3200.5*	3047.4	2954.5	2747.0
67.5°	1136.3	1117.5	1242.9	1602.6	2119.6	2763.0	3312.6	*3323.6*	3149.4	2981.8	2648.6
68°	*1037.0*	*1042.6*	*1140.3*	*1495.7*	*2019.1*	*2698.2*	*3319.4*	*3336.2*	*3159.5*	*2964.0*	*2594.8*
70°	618.1	628.9	716.0	1029.8	1536.0	2331.8	3245.8	*3284.1*	3099.1	2780.5	2244.3
72.5°	157.8	170.7	253.0	460.9	877.3	1643.0	2740.0	*2804.7*	2690.8	2255.7	1515.1
75°	65.0	68.3	90.4	151.8	326.9	740.2	1806.0	*1944.6*	1865.4	1350.5	684.7
77.5°	44.9	47.2	58.1	84.2	141.5	250.9	885.4	*985.5*	887.9	460.9	149.4
80°	32.3	34.1	41.6	56.1	81.3	89.6	288.6	*333.7*	265.0	101.2	37.0
82.5°	19.2	20.7	31.0	39.9	49.4	42.8	71.8	*81.5*	76.7	50.3	16.5
85°	9.5	11.2	20.9	28.5	26.7	18.0	21.9	*24.4*	30.2	30.6	8.9
87.5°	0.6	1.2	12.2	17.2	7.4	4.1	6.4	*7.9*	10.8	15.1	3.7
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: P386062
CATALOG NUMBER: GPC-SA1C-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	519.9	519.9	519.9	519.9	519.9	519.9	519.9	519.9	519.9	519.9	519.9
2.5°	521.3	521.5	520.1	519.5	519.9	517.4	516.3	516.8	516.8	517.4	516.3
5°	526.5	526.5	524.0	520.7	518.8	514.1	511.0	510.1	509.5	509.1	508.3
7.5°	537.7	536.4	532.1	524.8	518.6	508.3	500.4	496.3	494.2	493.4	492.8
10°	555.7	553.4	546.1	532.7	518.4	500.0	482.8	470.6	460.5	456.4	453.9
12.5°	579.9	576.5	564.3	542.0	517.0	483.0	445.8	410.0	376.7	363.1	356.2
15°	607.8	603.0	583.8	549.9	508.5	444.8	363.9	301.2	255.1	237.7	230.2
17.5°	636.1	629.9	600.8	554.8	483.0	365.5	255.3	192.8	162.0	153.7	150.8
20°	664.7	655.6	615.4	551.1	425.5	263.6	168.4	140.9	132.0	129.5	128.7
22.5°	691.8	677.7	628.7	536.6	337.0	176.9	133.2	124.5	121.6	120.2	119.8
25°	715.4	695.7	640.3	491.9	238.5	133.6	120.0	117.1	113.4	110.7	110.9
27.5°	737.5	713.7	647.3	418.3	159.1	114.2	111.1	107.2	100.3	96.4	96.4
30°	764.2	737.7	652.5	321.9	117.1	101.0	98.5	92.5	83.2	78.0	78.0
32.5°	804.3	774.1	649.2	225.9	97.0	88.7	83.0	74.7	64.5	59.6	59.4
35°	865.8	830.4	625.6	148.1	85.6	77.2	67.9	57.7	48.8	44.7	44.5
37.5°	948.5	905.7	572.6	105.9	76.7	66.4	55.2	44.1	37.4	34.8	34.5
40°	1055.9	993.2	496.9	85.9	68.5	56.1	42.6	34.1	29.6	27.5	27.7
42.5°	1184.7	1086.9	406.1	74.1	60.4	46.1	33.3	26.9	24.0	22.5	22.1
45°	1327.9	1179.4	310.9	66.0	52.3	37.2	26.1	21.3	19.0	18.2	18.2
47.5°	1485.3	1269.4	227.6	59.0	43.6	28.8	20.9	17.4	15.5	14.9	14.7
50°	1628.3	1331.8	164.0	51.5	35.8	22.8	17.0	14.5	13.2	12.4	12.4
52.5°	1747.4	1351.5	120.8	43.4	29.0	18.2	14.1	12.4	11.2	10.6	10.6
55°	1852.3	1343.4	89.8	35.8	23.4	14.9	12.0	10.6	9.5	8.9	8.9
57.5°	1952.9	1317.4	67.0	29.2	18.8	12.0	10.1	8.9	7.9	7.4	7.4
60°	2035.0	1273.9	49.9	23.6	15.1	9.7	8.5	7.2	6.4	5.8	5.8
62.5°	2101.6	1225.9	36.6	19.4	12.0	7.7	6.6	6.0	4.8	4.1	4.1
65°	2102.0	1146.3	27.5	16.1	9.3	6.0	5.0	4.8	3.1	2.5	2.3
67.5°	1950.0	988.2	21.1	13.9	7.2	4.6	3.7	3.9	1.7	1.0	0.8
68°	*1894.7*	*948.1*	*19.9*	*13.7*	*6.8*	*4.3*	*3.5*	*3.9*	*1.4*	*0.8*	*0.6*
70°	1597.5	754.2	15.9	13.2	6.0	3.3	2.9	3.9	1.2	0.6	0.4
72.5°	1021.7	437.7	11.8	10.6	4.6	2.5	1.9	3.5	1.2	0.4	0.2
75°	434.8	135.7	8.1	7.4	2.7	1.9	1.2	2.3	0.8	0.2	0.0
77.5°	91.6	30.6	4.8	4.6	1.9	1.2	0.8	0.6	0.2	0.0	0.0
80°	23.6	8.9	2.5	2.3	1.0	0.6	0.4	0.0	0.0	0.0	0.0
82.5°	7.4	3.5	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.7	2.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	0.6	0.2	0.0	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

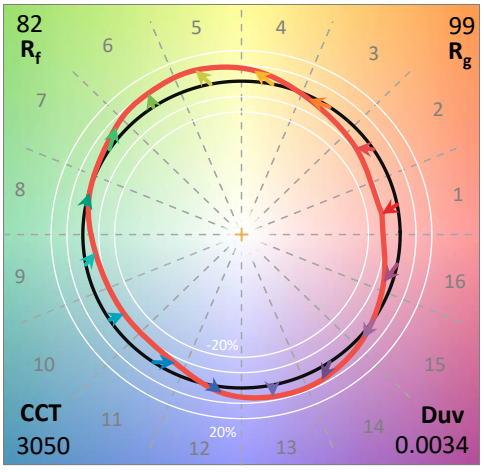
Test Information

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

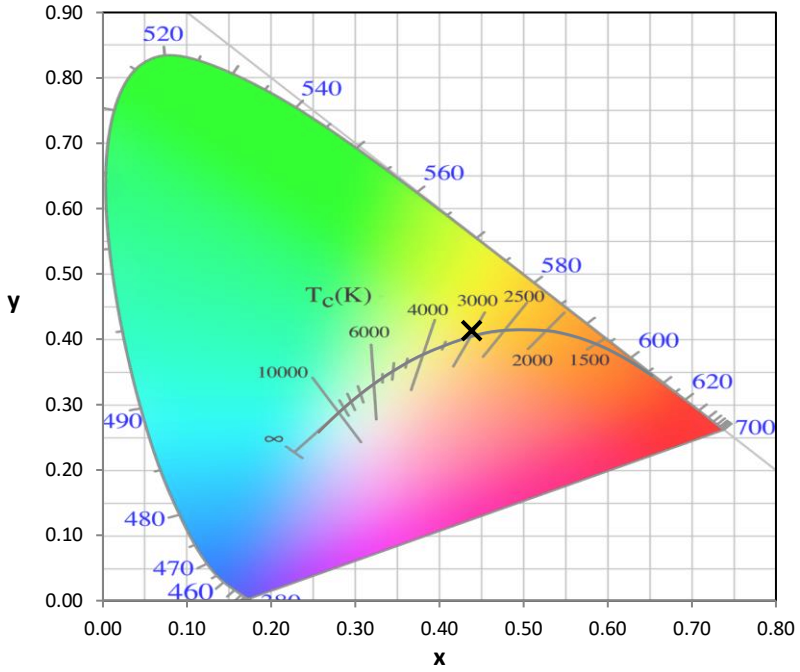
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

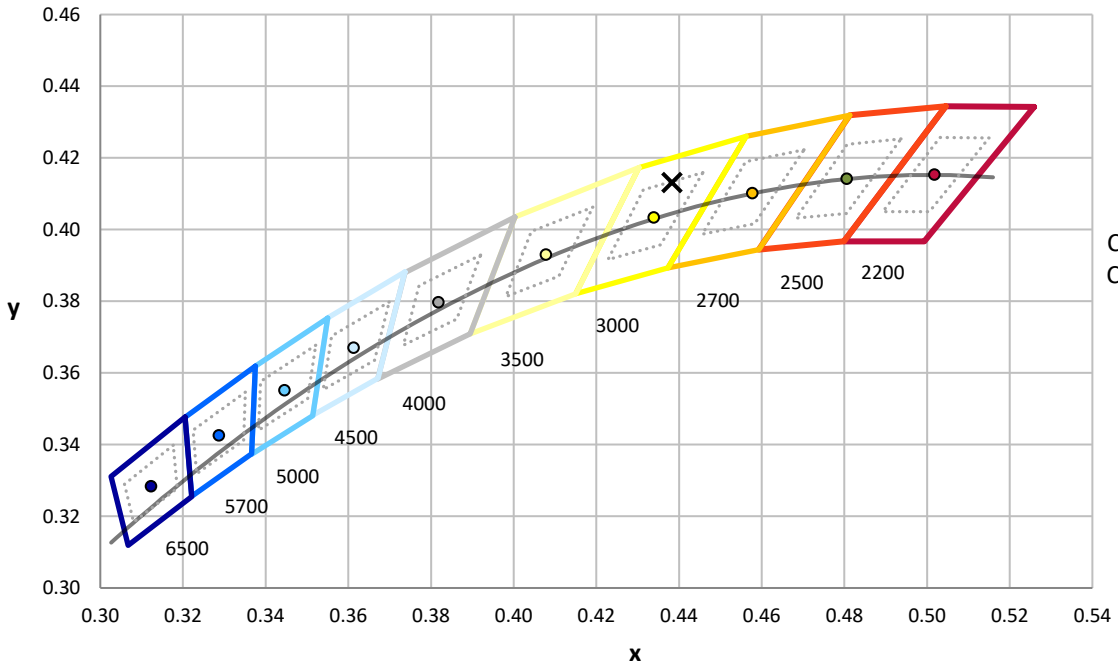
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

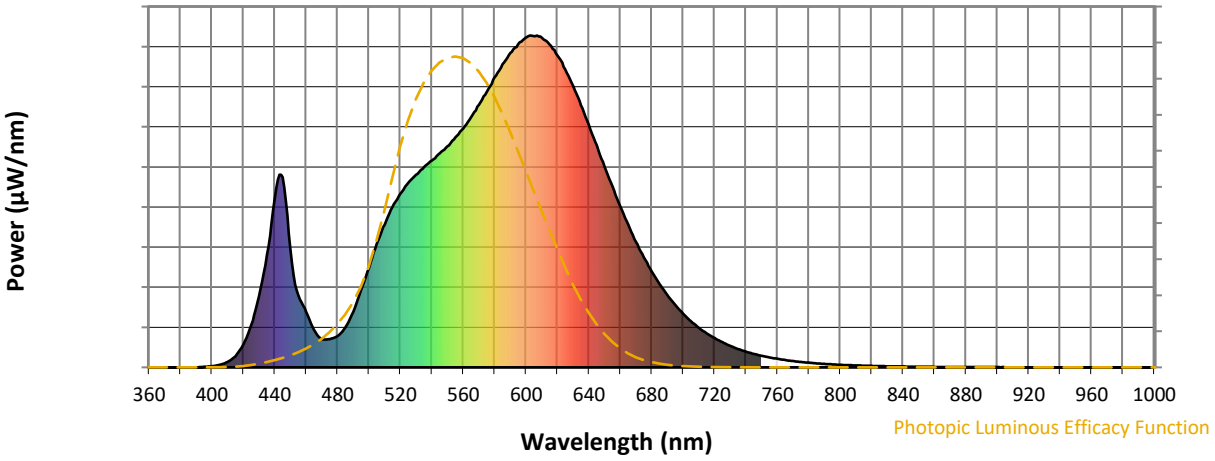


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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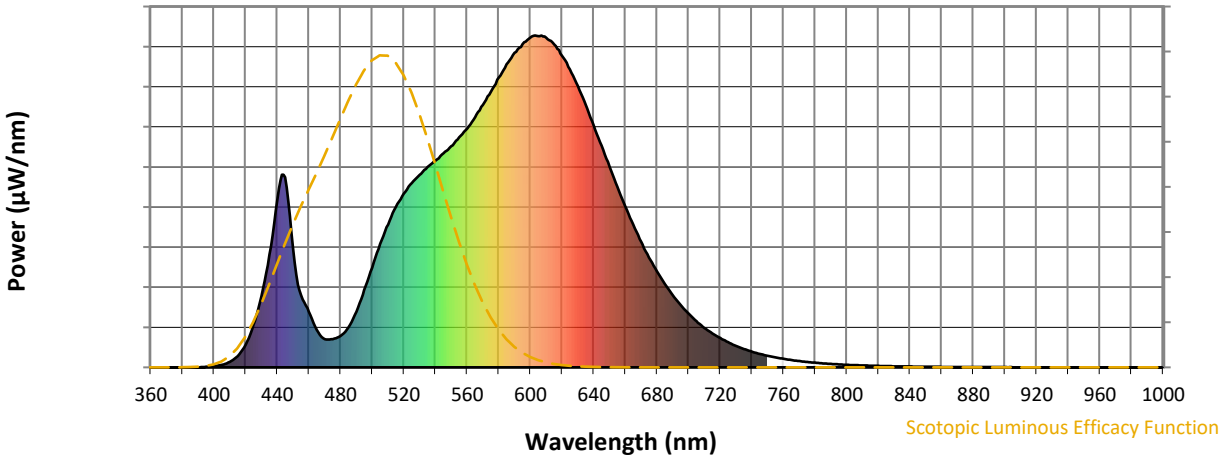
Scotopic Flux vs. Wavelength



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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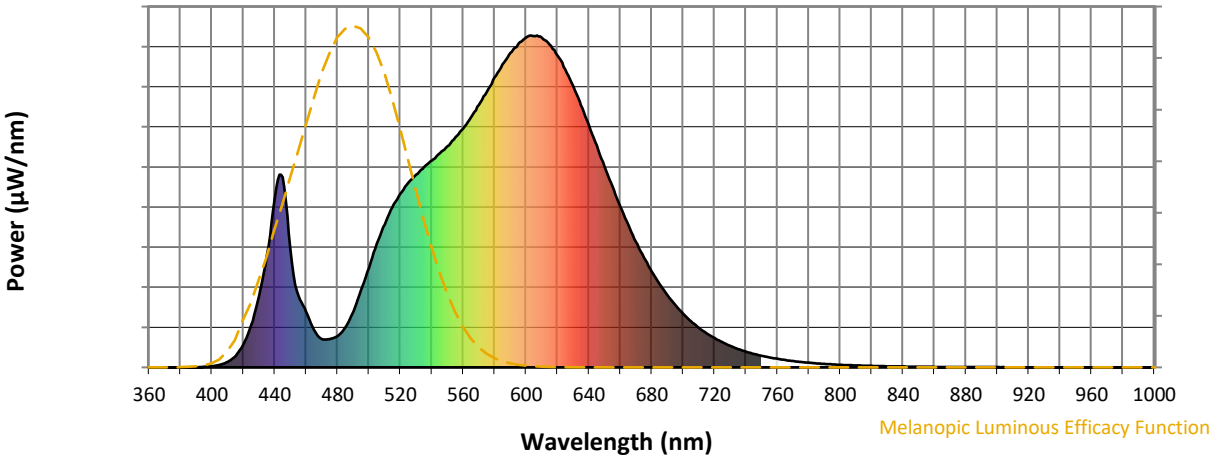
Melanopic Flux vs. Wavelength



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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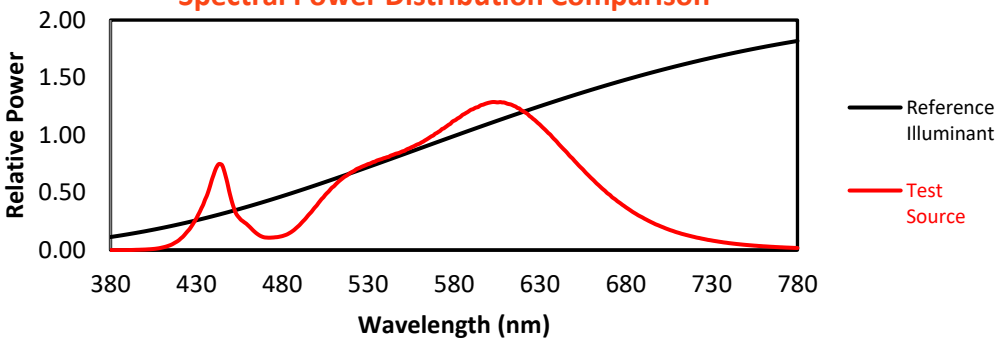
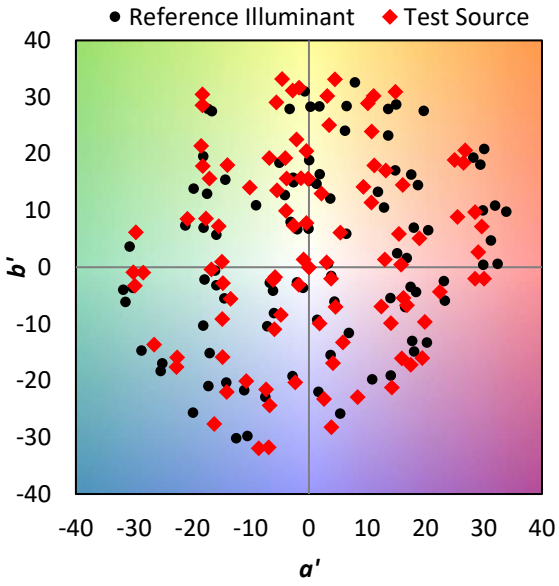
Summary

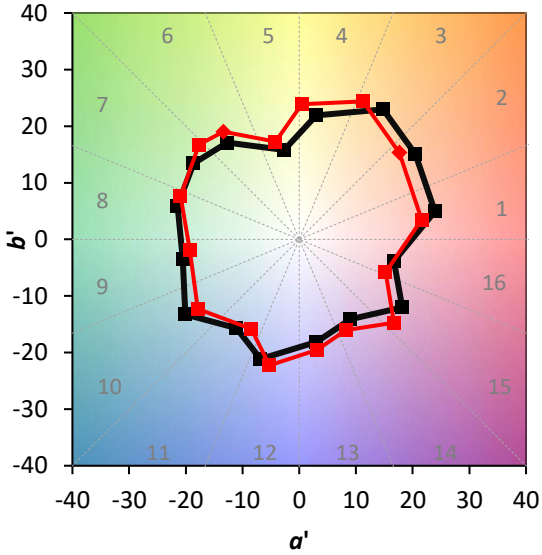
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

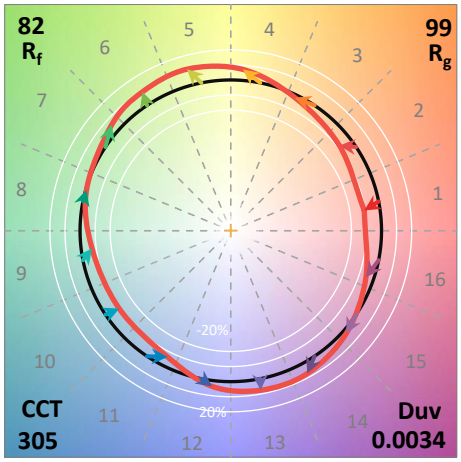
Spectral Power Distribution Comparison

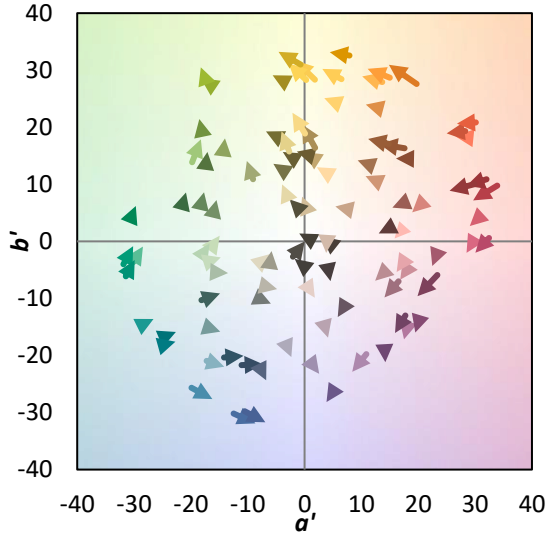


Color Vector Graphics









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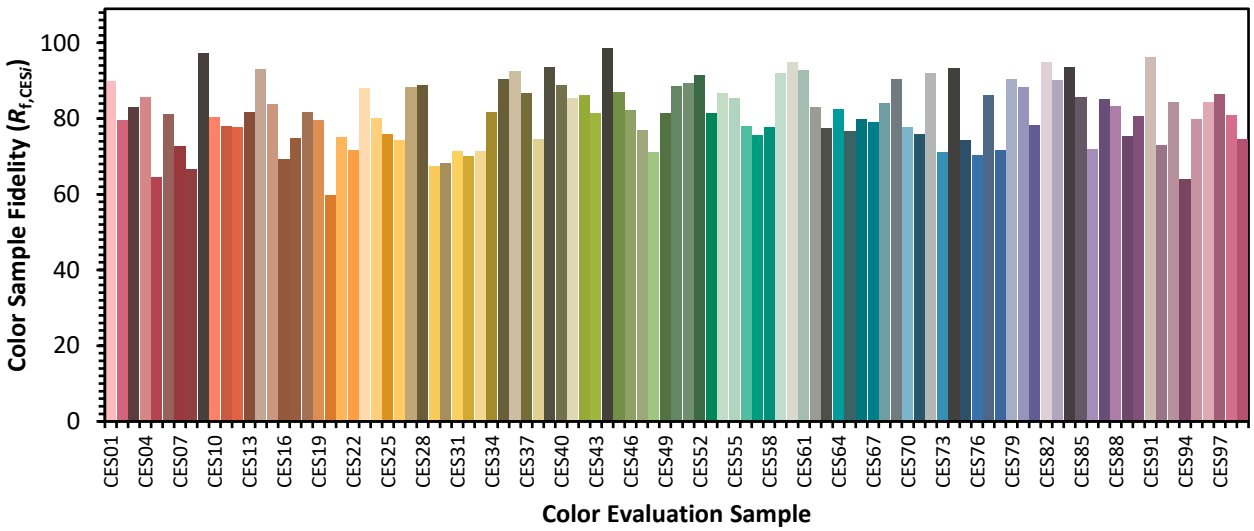
Individual Sample Fidelity Index ($R_{f,i}$)

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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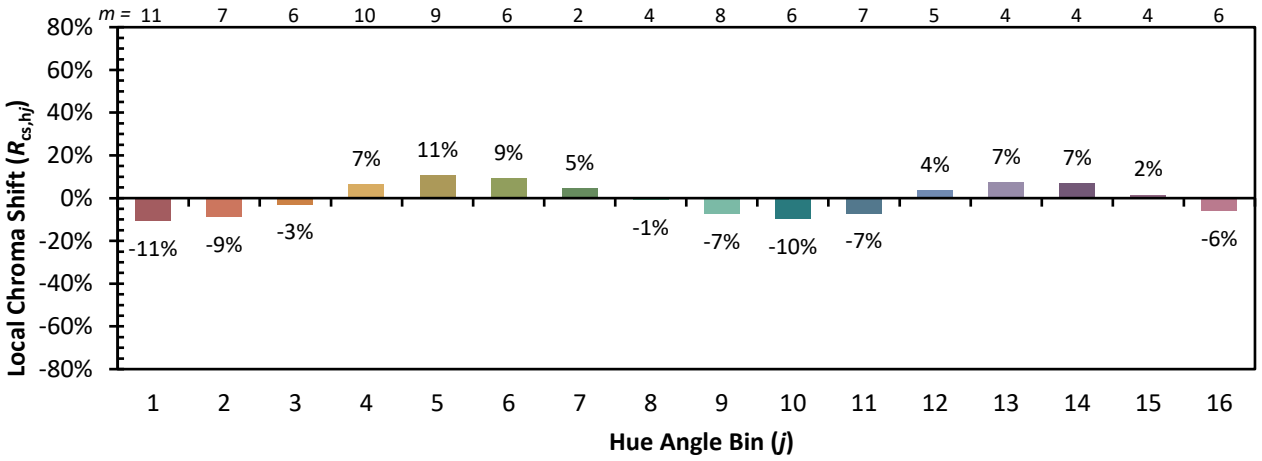
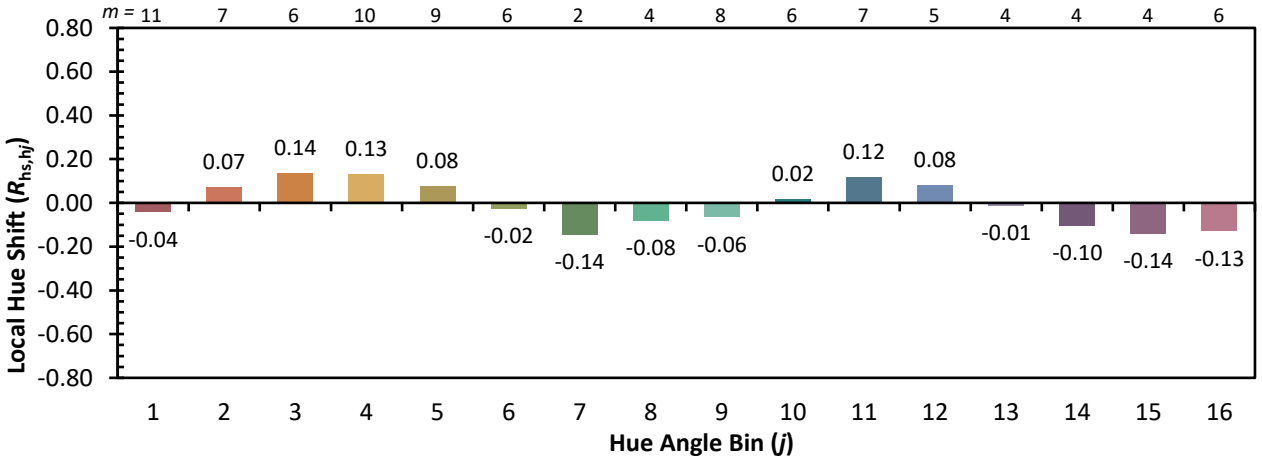
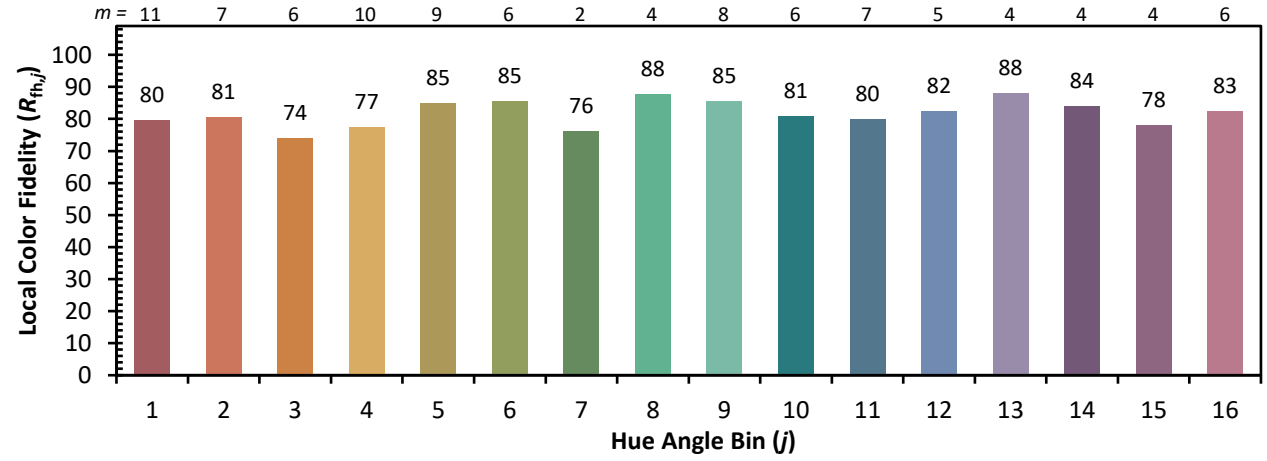
Color Rendition by Hue-Angle Bin







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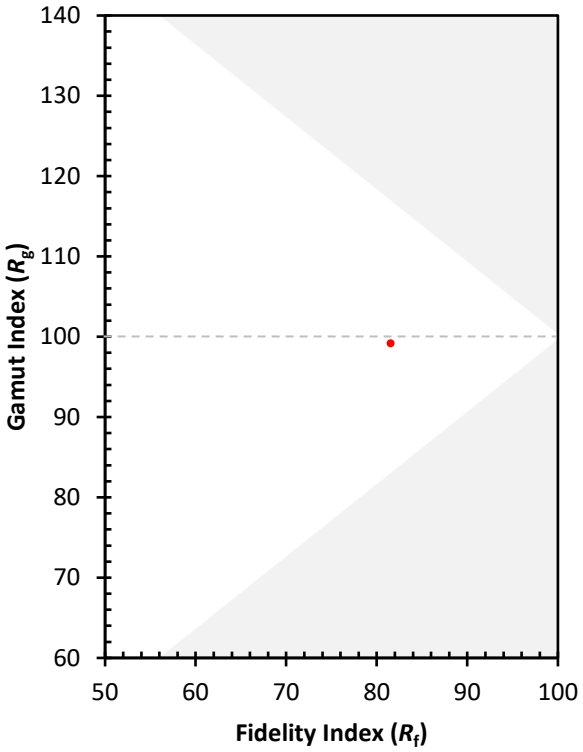
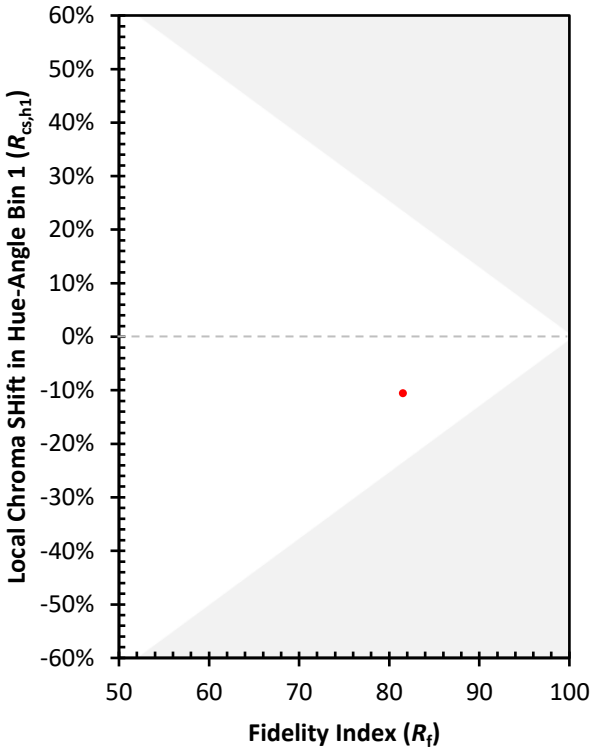
Measure Comparisons





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