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: P385828

Luminaire Tested: **GPC-SA1B-830-U-SL4-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:	P385828
	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:	GPC-SA1B-830-U-SL4-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS 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:	3937 lumens
Efficiency:	N/A
Efficacy:	89.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	44
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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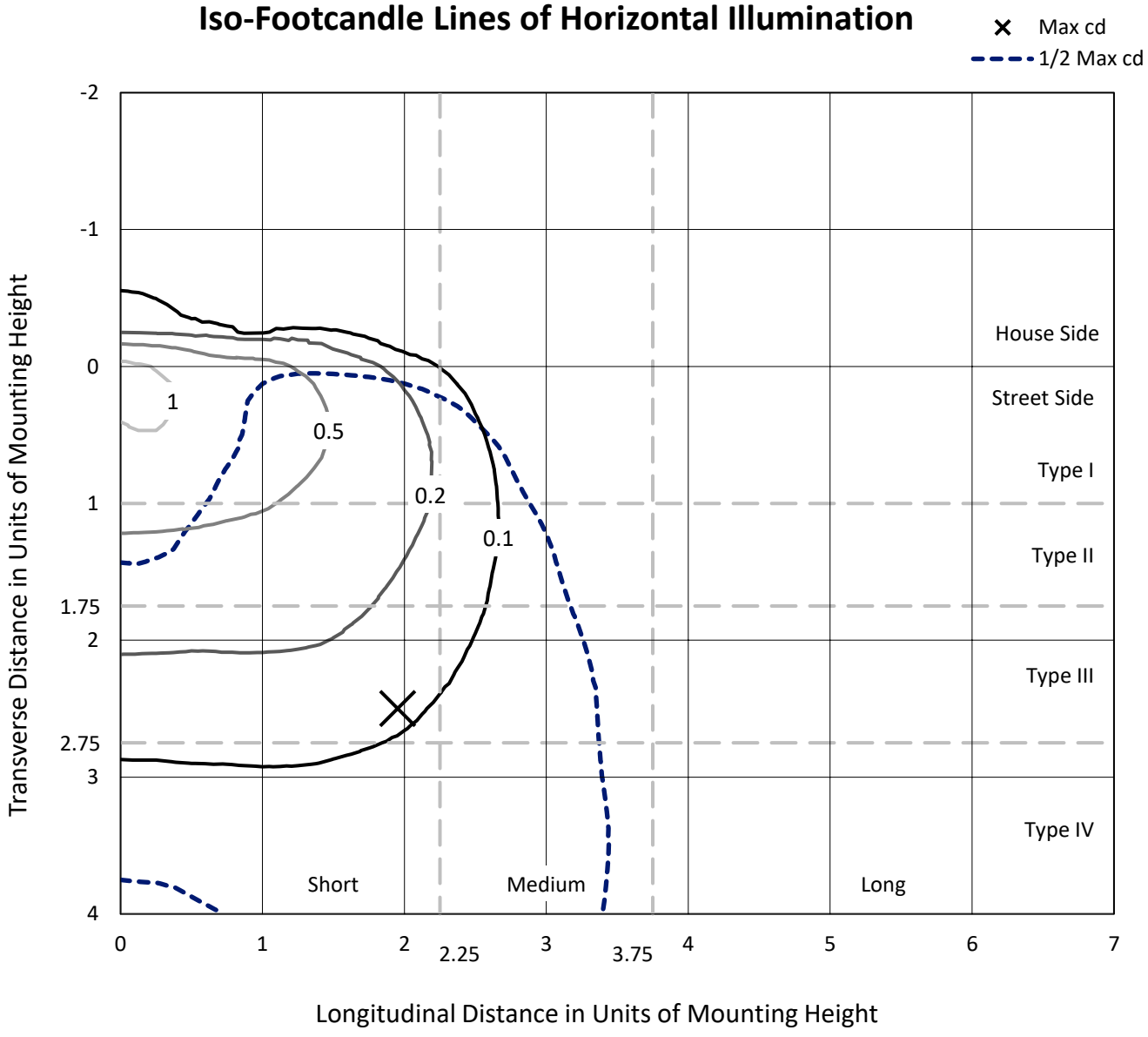
REPORT NUMBER: P385828
CATALOG NUMBER: GPC-SA1B-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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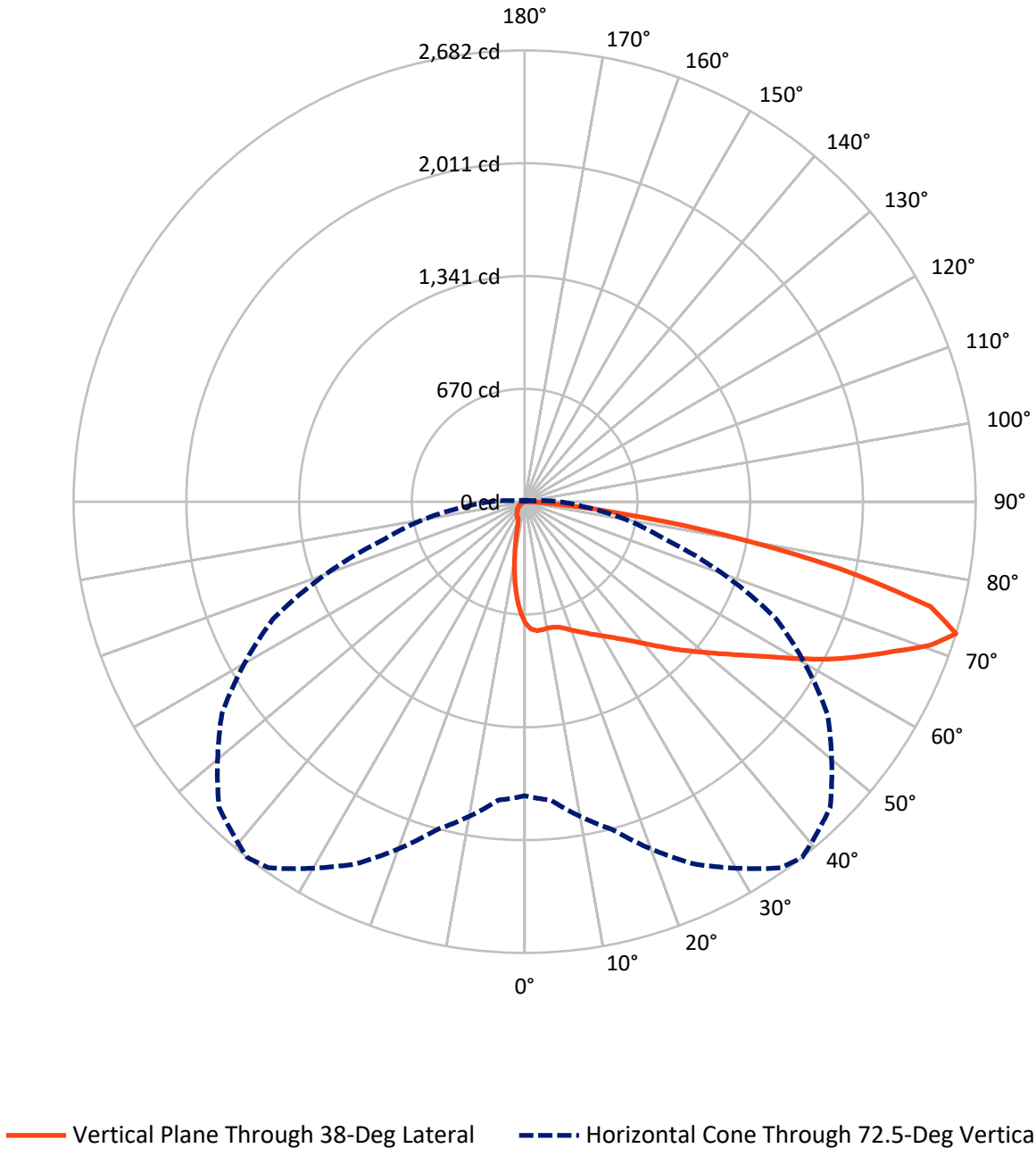
Luminous Intensity Polar Plot



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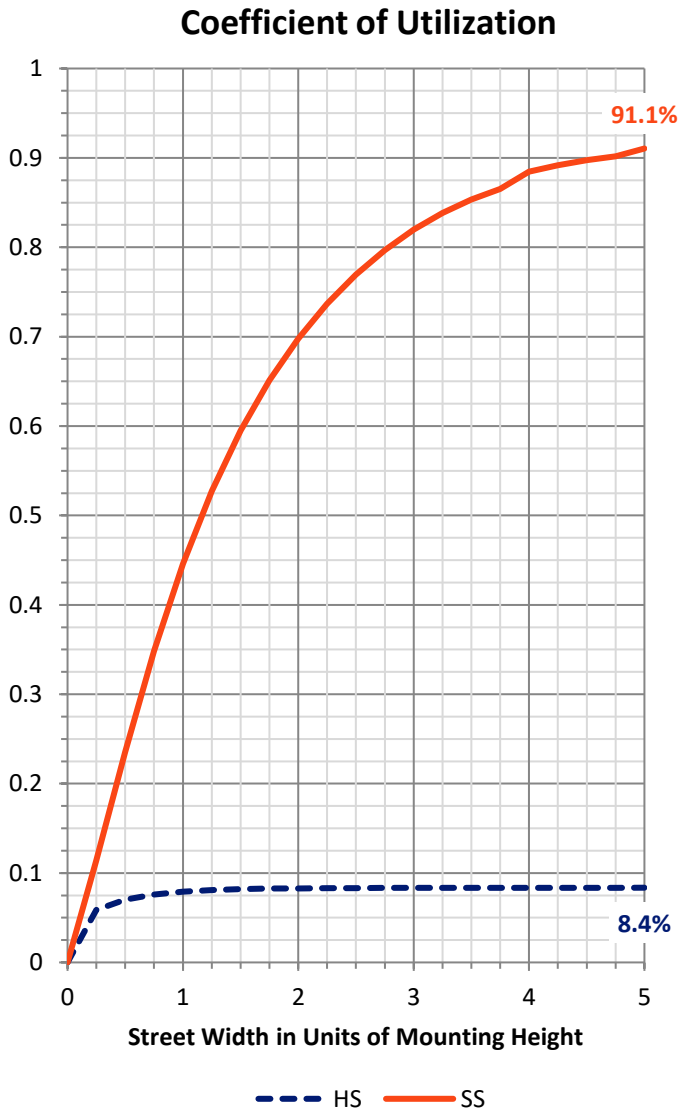
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	331.3	0.0	331.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	3605.7	0.0	3605.7
	% Fixture	91.6	0.0	91.6
Total	Lumens	3937.0	0.0	3937.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	1.6
10°-20°	150.9	3.8
20°-30°	240.0	6.1
30°-40°	360.7	9.2
40°-50°	550.3	14.0
50°-60°	777.8	19.8
60°-70°	975.6	24.8
70°-80°	729.5	18.5
80°-90°	90.5	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°	3937.0	100.0
0°-180°	3937.0	100.0



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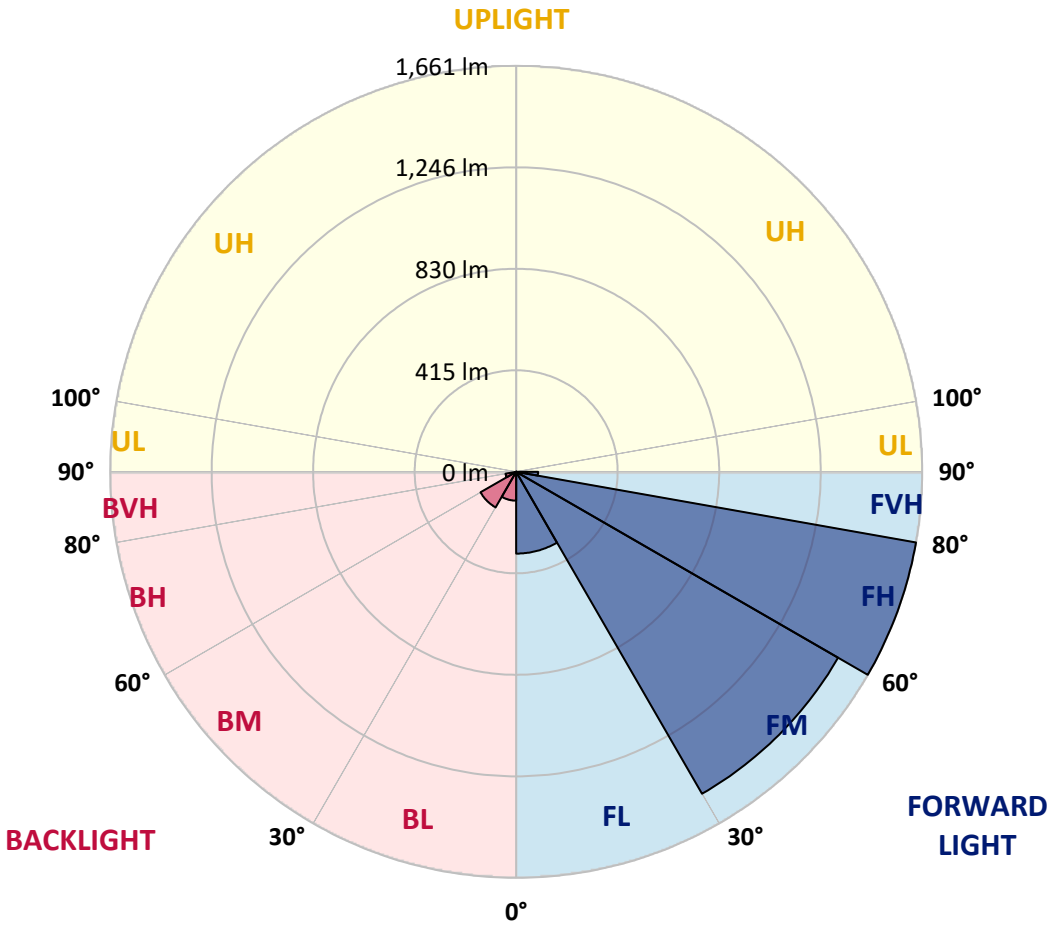
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	334.6	8.5			
FM	(30°-60°)	1520.6	38.6			
FH	(60°-80°)	1660.9	42.2			G1/1800
FVH	(80°-90°)	89.6	2.3			G1/100
BL	(0°-30°)	118.0	3.0	B1/500		
BM	(30°-60°)	168.2	4.3	B0/220		
BH	(60°-80°)	44.3	1.1	B0/110		G0/110
BVH	(80°-90°)	0.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type IV Short



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REPORT NUMBER: P385828
CATALOG NUMBER: GPC-SA1B-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	724.0	724.0	724.0	724.0	724.0	*724.0*	724.0	724.0	724.0	724.0	724.0
2.5°	768.5	768.6	766.8	763.9	760.1	*758.2*	754.9	749.7	744.1	734.1	723.3
5°	784.2	784.2	781.9	778.0	771.9	*770.1*	763.9	755.6	744.1	727.9	709.8
7.5°	782.5	782.9	779.8	775.7	769.6	*768.0*	760.5	751.1	736.9	717.3	694.1
10°	774.0	774.9	772.4	770.4	764.9	*763.1*	756.0	746.7	732.5	711.6	684.9
12.5°	765.4	766.2	767.0	768.8	765.4	*764.7*	759.2	751.3	737.7	716.0	685.9
15°	759.8	761.4	767.3	774.4	775.2	*774.5*	770.9	763.6	749.8	727.3	692.9
17.5°	759.8	762.4	774.7	788.1	792.8	*793.3*	790.2	779.9	763.6	739.4	699.5
20°	766.2	769.8	788.9	807.9	815.7	*815.7*	809.7	795.3	776.2	750.3	703.9
22.5°	782.5	787.3	811.3	833.2	841.6	*839.8*	831.6	810.7	789.2	762.8	709.4
25°	814.7	818.3	843.4	865.4	870.5	*866.4*	856.1	829.3	805.9	779.6	719.6
27.5°	856.3	856.8	882.6	901.2	898.1	*895.4*	882.4	852.7	830.0	803.6	737.1
30°	901.9	901.9	924.6	938.8	929.4	*927.1*	914.2	881.0	860.7	836.3	761.9
32.5°	946.0	948.0	966.5	975.5	964.8	*962.6*	950.0	916.8	901.6	886.2	800.7
35°	988.7	990.2	1007.7	1012.6	1002.5	*1003.1*	994.1	966.0	960.3	958.3	859.1
37.5°	1030.1	1030.4	1048.2	1051.3	1046.3	*1051.8*	1052.6	1027.8	1038.4	1054.3	941.3
40°	1067.9	1068.2	1085.8	1093.9	1102.5	*1109.7*	1116.1	1102.8	1138.0	1174.8	1039.2
42.5°	1098.1	1101.5	1123.9	1139.1	1162.0	*1175.8*	1193.1	1192.4	1256.5	1311.8	1157.6
45°	1124.8	1130.6	1161.9	1188.5	1227.8	*1249.7*	1276.8	1298.1	1390.0	1464.4	1277.5
47.5°	1159.9	1165.5	1201.1	1244.8	1297.1	*1325.9*	1370.8	1416.8	1536.6	1614.1	1394.5
50°	1209.4	1207.0	1242.1	1304.8	1372.0	*1409.7*	1473.8	1542.7	1682.1	1744.6	1463.4
52.5°	1262.3	1261.3	1287.3	1370.0	1460.3	*1504.4*	1589.1	1672.8	1821.3	1834.5	1494.9
55°	1327.7	1320.6	1342.5	1444.4	1565.1	*1612.5*	1712.2	1801.7	1932.1	1885.2	1510.8
57.5°	1396.2	1384.6	1405.5	1527.3	1683.3	*1739.4*	1848.6	1927.2	2005.9	1919.9	1510.6
60°	1467.0	1453.2	1478.1	1631.0	1830.1	*1895.0*	1996.4	2012.1	2074.7	1937.4	1499.5
62.5°	1526.2	1518.0	1554.9	1741.8	1994.1	*2057.9*	2108.1	2089.3	2132.8	1950.9	1473.5
65°	1588.8	1589.3	1649.0	1871.2	2168.4	*2211.4*	2215.7	2189.3	2181.3	1948.2	1385.5
67.5°	1673.5	1681.3	1780.9	2046.8	2338.0	*2371.2*	2370.8	2297.7	2216.8	1837.6	1190.5
70°	1763.1	1781.6	1933.0	2247.7	2523.0	*2556.7*	2539.4	2366.7	2087.3	1485.9	842.5
72.5°	*1748.0*	*1780.1*	*2017.5*	*2374.4*	*2656.0*	*2681.6*	*2569.0*	*2197.2*	*1649.8*	*863.6*	*358.7*
75°	1348.6	1385.7	1849.9	2248.9	2516.5	*2493.5*	2207.3	1709.8	901.6	241.0	80.8
77.5°	712.4	732.2	1222.0	1713.2	1962.2	*1914.0*	1554.9	948.5	274.9	59.7	36.3
80°	373.1	377.7	532.5	972.0	1211.1	*1211.4*	921.5	416.6	113.3	30.6	24.4
82.5°	199.8	203.7	281.4	449.1	634.6	*575.2*	352.8	229.2	65.9	17.3	23.4
85°	48.1	48.9	159.6	205.2	249.5	*178.2*	104.8	192.4	17.8	10.1	19.0
87.5°	18.5	18.8	59.2	88.8	63.6	*41.2*	49.1	71.8	2.3	3.9	2.9
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: P385828
CATALOG NUMBER: GPC-SA1B-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	724.0	724.0	724.0	724.0	724.0	724.0	724.0	724.0	724.0	724.0	724.0
2.5°	716.8	712.6	702.1	688.8	677.1	668.6	655.8	647.5	641.9	641.8	639.6
5°	698.7	690.0	667.4	640.6	616.3	594.3	568.5	548.1	532.9	530.4	525.2
7.5°	679.2	665.0	630.3	588.5	547.6	506.0	457.8	427.9	402.2	390.0	388.7
10°	667.3	647.3	598.1	537.6	473.5	406.0	342.9	299.2	267.7	258.7	252.0
12.5°	664.8	638.5	573.2	489.9	398.3	309.0	239.2	192.8	167.6	159.6	157.5
15°	667.3	634.4	552.3	442.6	322.1	219.3	160.6	133.6	124.1	121.8	121.6
17.5°	668.7	629.5	528.6	390.1	248.2	156.6	123.0	115.1	113.6	113.5	113.8
20°	668.6	622.0	500.3	331.6	184.6	123.1	111.2	109.5	109.2	109.4	109.2
22.5°	667.4	613.1	469.3	271.3	139.5	110.0	106.1	105.1	105.0	105.0	105.0
25°	669.6	606.1	435.1	213.5	114.9	104.0	101.5	100.7	100.6	100.6	100.2
27.5°	677.2	602.2	397.6	164.3	103.8	98.6	96.6	96.5	96.0	95.8	96.1
30°	689.7	602.2	356.6	127.9	97.1	93.0	91.6	91.2	91.1	90.9	91.1
32.5°	711.6	606.8	311.8	106.3	90.7	86.8	85.8	86.3	85.8	85.8	85.8
35°	751.1	620.5	264.9	92.7	84.0	80.8	79.8	80.4	80.1	80.1	80.0
37.5°	808.9	646.0	217.6	84.5	78.2	74.7	73.4	74.4	74.1	74.1	73.9
40°	879.2	683.1	172.7	78.3	72.4	68.8	67.7	68.2	67.4	67.4	67.7
42.5°	966.0	730.2	133.4	72.3	66.7	63.3	62.6	62.1	60.7	59.8	60.0
45°	1062.5	779.3	104.0	66.4	61.3	58.5	57.6	56.2	53.8	52.2	52.3
47.5°	1148.6	817.0	84.5	60.7	56.4	54.3	52.8	50.4	46.8	44.8	45.0
50°	1193.9	822.8	71.9	54.9	51.8	49.7	47.6	43.8	39.6	37.4	37.3
52.5°	1205.5	795.9	62.6	49.7	47.3	44.8	42.0	37.0	32.2	29.9	29.6
55°	1209.8	755.1	54.3	44.8	42.3	39.6	36.0	30.2	25.8	23.5	23.4
57.5°	1195.7	694.1	47.7	40.4	37.4	34.0	29.6	24.2	19.9	18.1	18.1
60°	1164.5	611.5	42.7	35.6	32.4	28.4	23.9	18.8	14.9	13.4	13.4
62.5°	1102.2	504.6	37.9	30.7	27.6	23.5	19.3	14.2	10.5	9.6	9.8
65°	984.6	382.8	33.2	26.3	23.5	19.5	15.0	10.1	7.0	7.0	7.4
67.5°	803.0	265.9	28.3	22.4	20.3	15.9	11.4	7.0	4.9	5.6	6.2
70°	531.6	149.1	24.2	18.5	17.3	12.6	8.5	4.7	3.9	5.2	6.4
72.5°	*200.6*	*58.0*	*20.3*	*14.9*	*15.0*	*9.6*	*6.0*	*3.6*	*3.6*	*5.7*	*7.5*
75°	55.9	28.4	14.6	11.0	11.8	7.0	4.4	3.1	3.4	6.5	8.8
77.5°	32.9	20.9	9.5	6.4	8.0	4.9	2.9	2.5	2.9	5.6	8.5
80°	26.5	11.1	5.6	3.3	4.4	2.8	2.0	1.5	0.8	2.1	4.4
82.5°	26.5	6.7	2.6	2.3	2.3	1.5	1.0	0.7	0.2	0.0	1.1
85°	17.8	2.8	1.6	1.5	1.1	0.5	0.3	0.2	0.0	0.0	0.0
87.5°	2.9	1.1	0.7	0.3	0.2	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

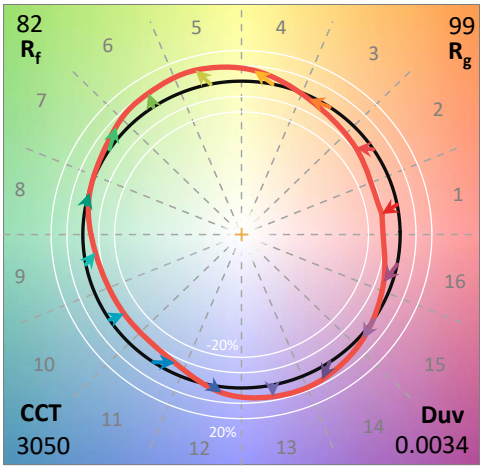
Test Information

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

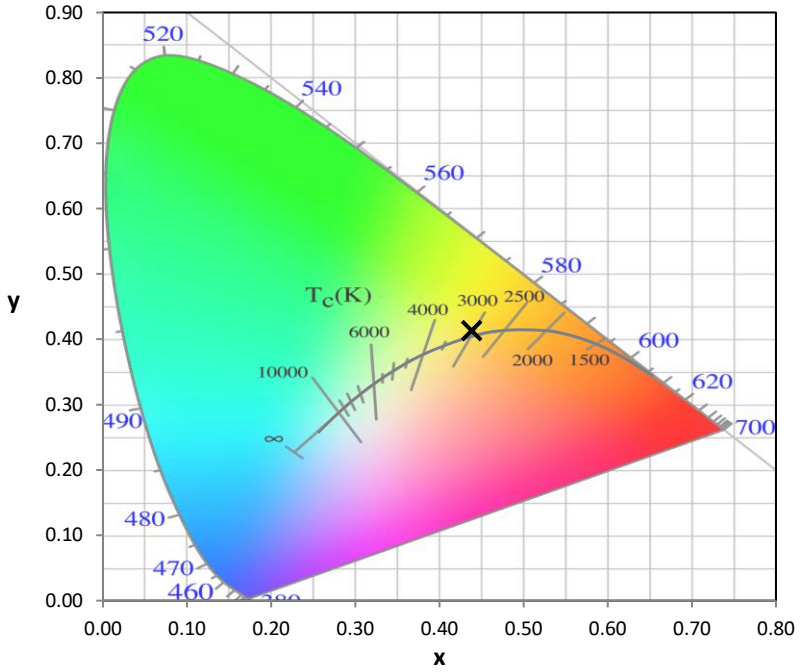
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

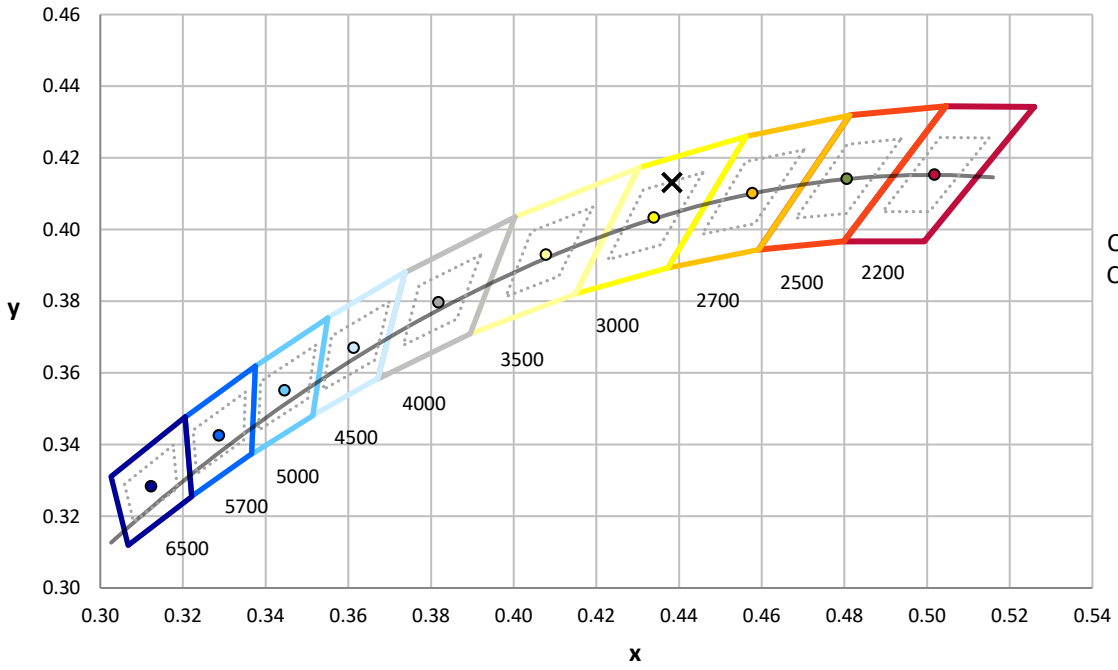
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

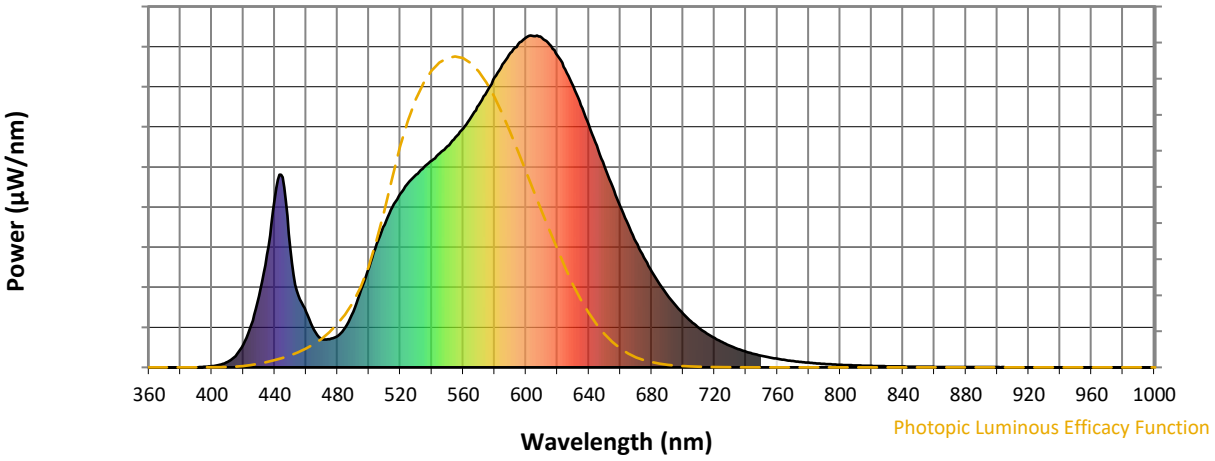


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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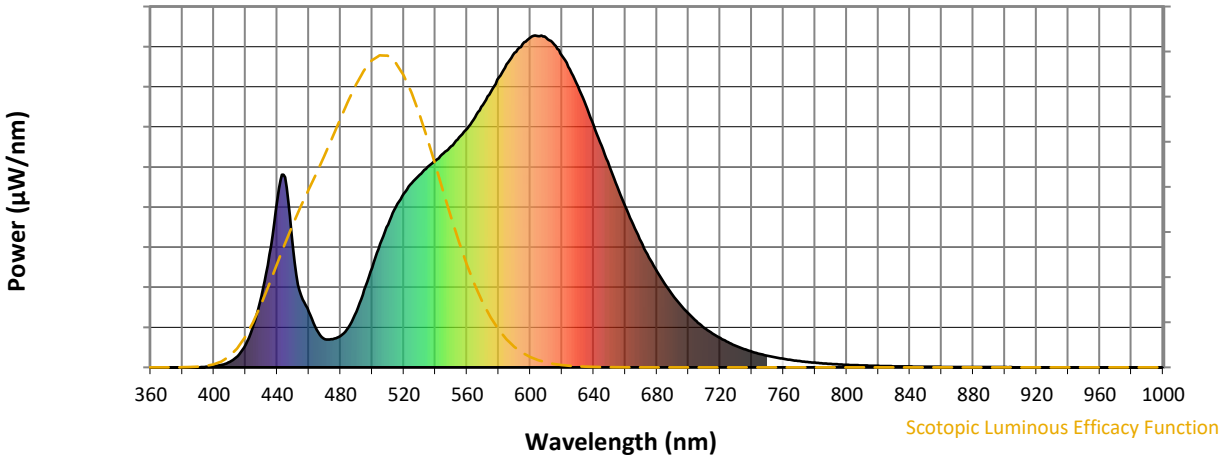
Scotopic Flux vs. Wavelength



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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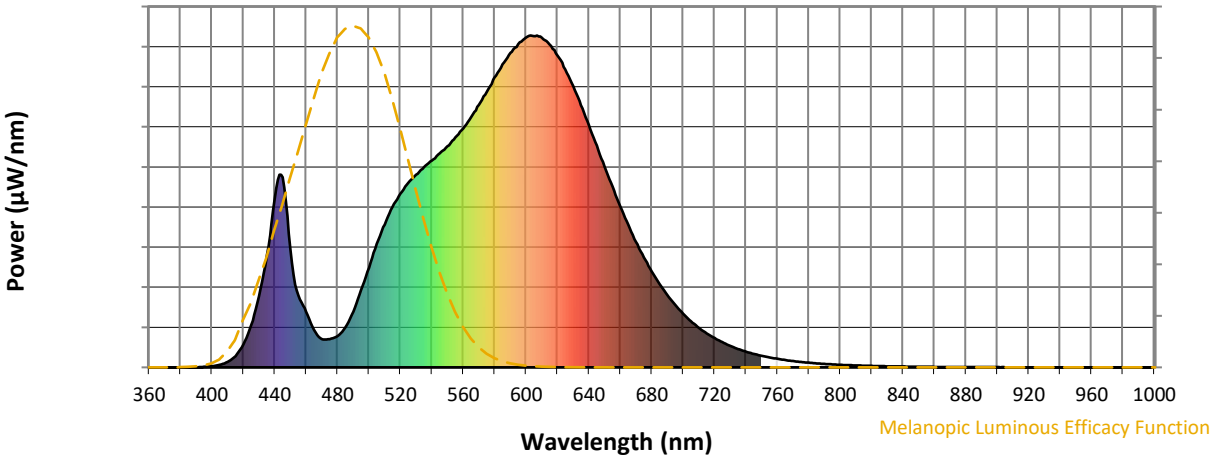
Melanopic Flux vs. Wavelength



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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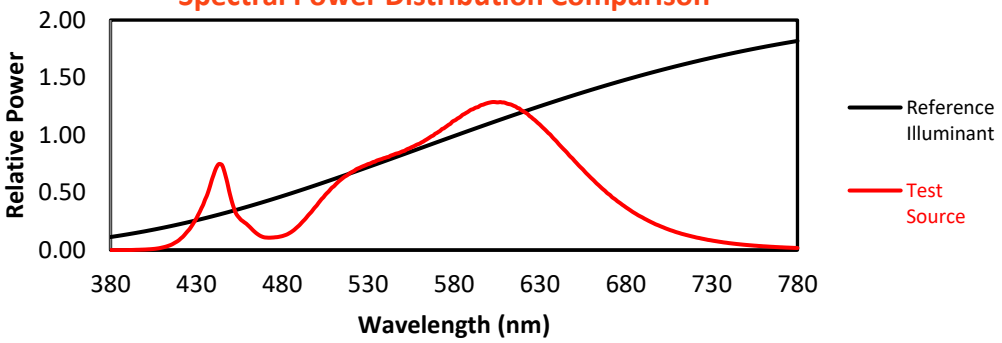
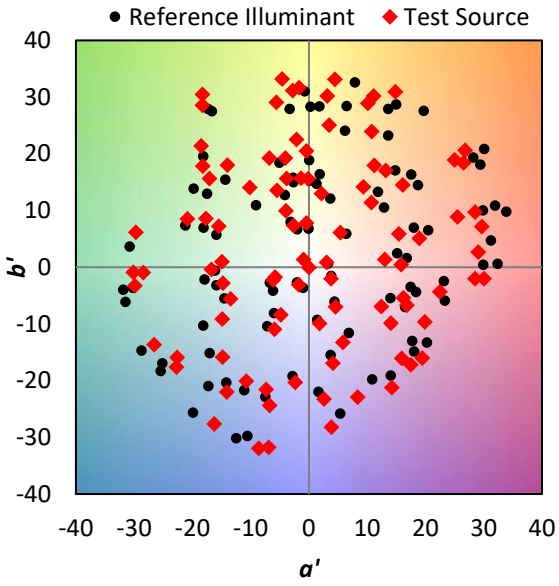
Summary

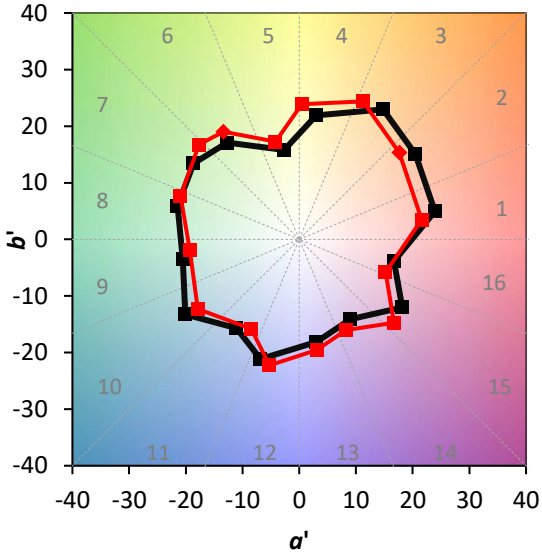
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

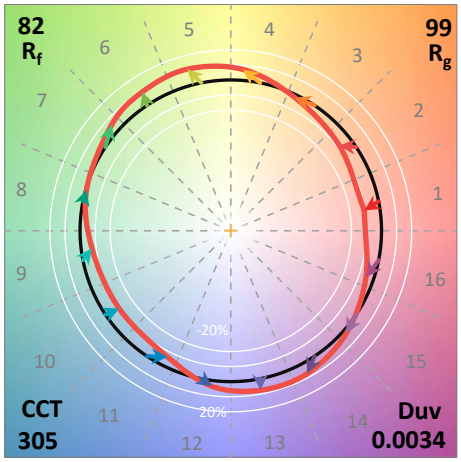
Spectral Power Distribution Comparison

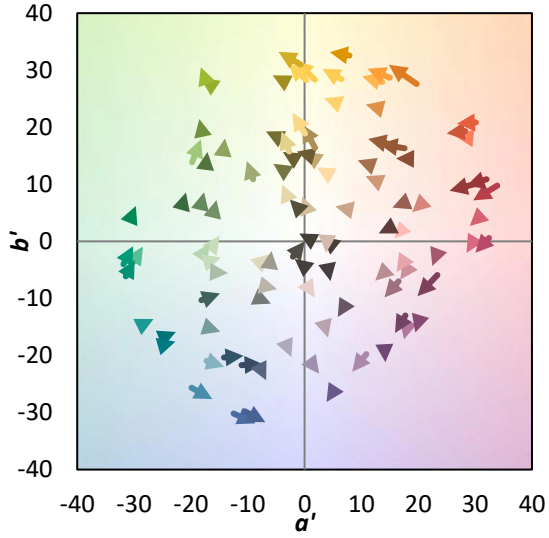


Color Vector Graphics









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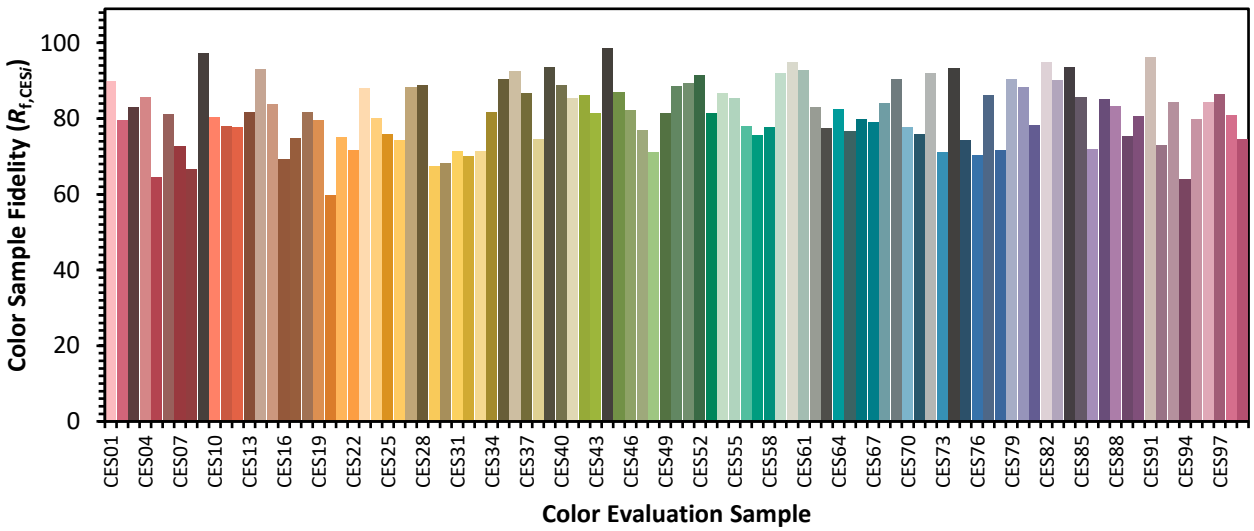
Individual Sample Fidelity Index ($R_{f,i}$)

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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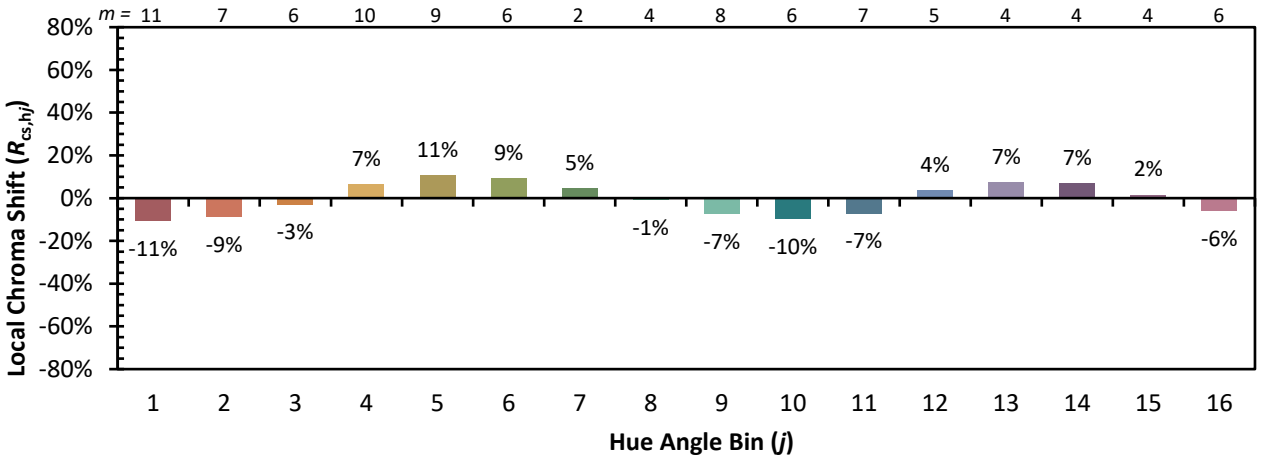
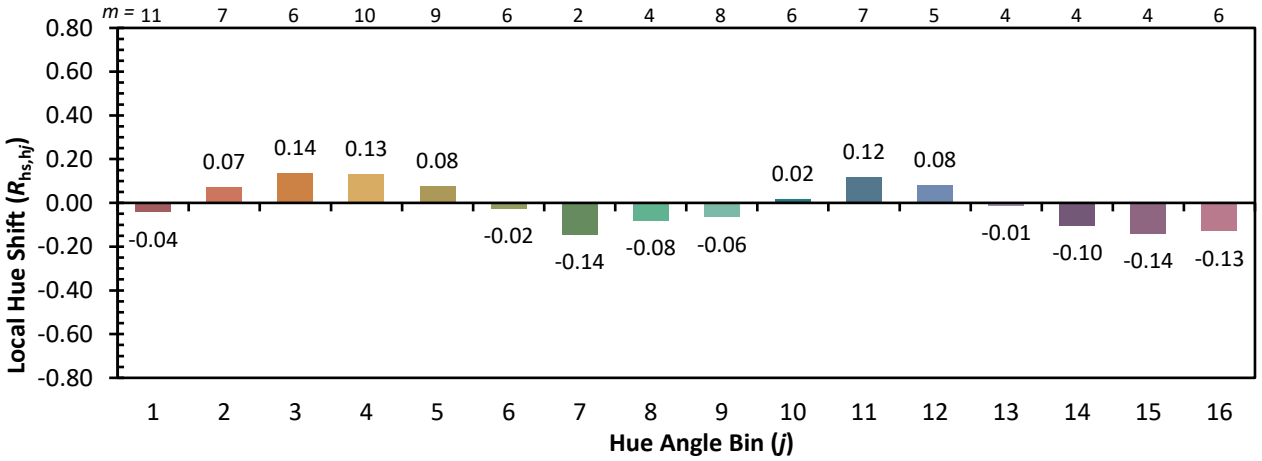
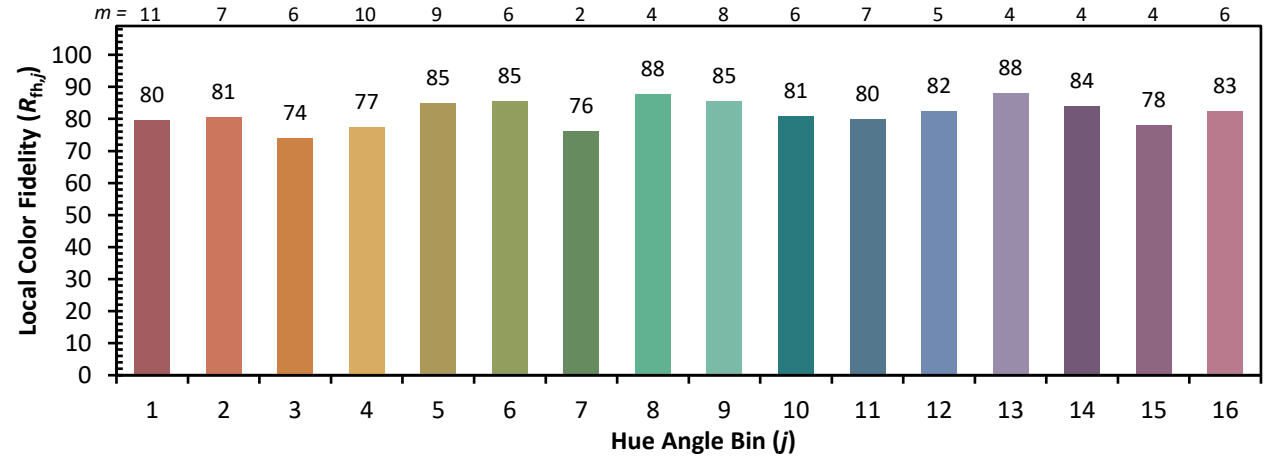
Color Rendition by Hue-Angle Bin







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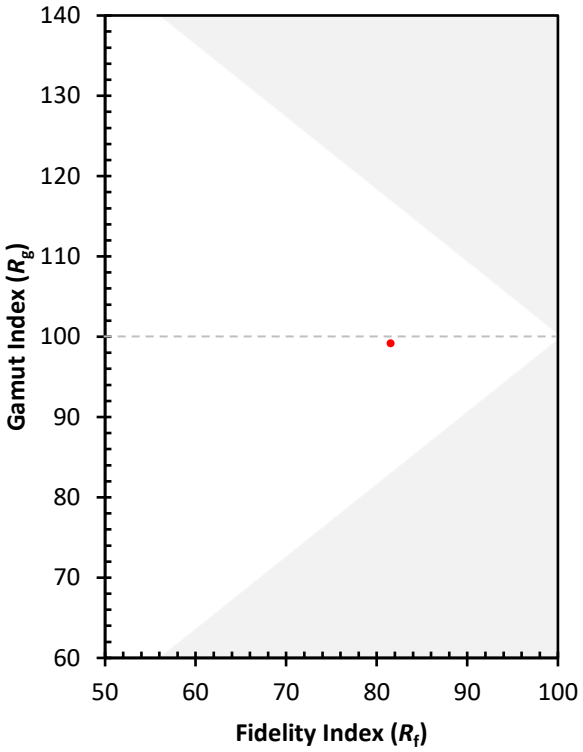
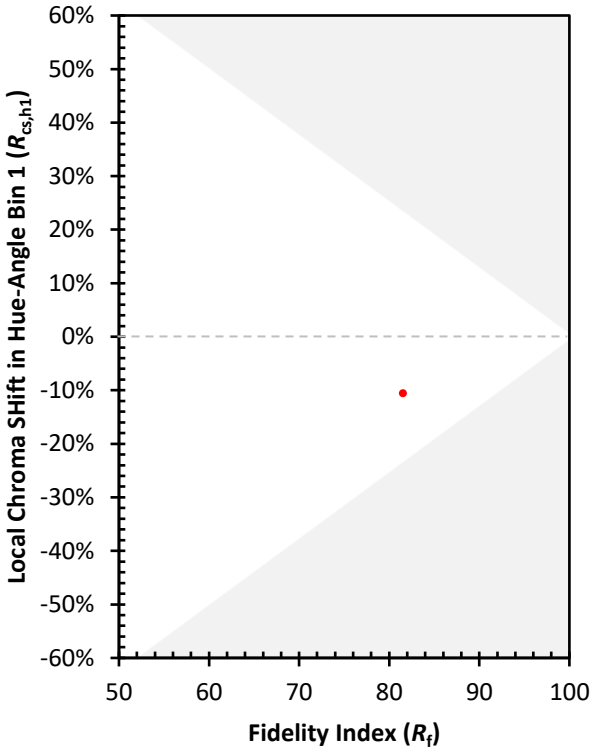
Measure Comparisons





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