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: P385838

Luminaire Tested: **GPC-SA1B-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:	P385838
	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-SA1B-830-U-T3-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 800mA 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:	3535 lumens
Efficiency:	N/A
Efficacy:	80.3 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):	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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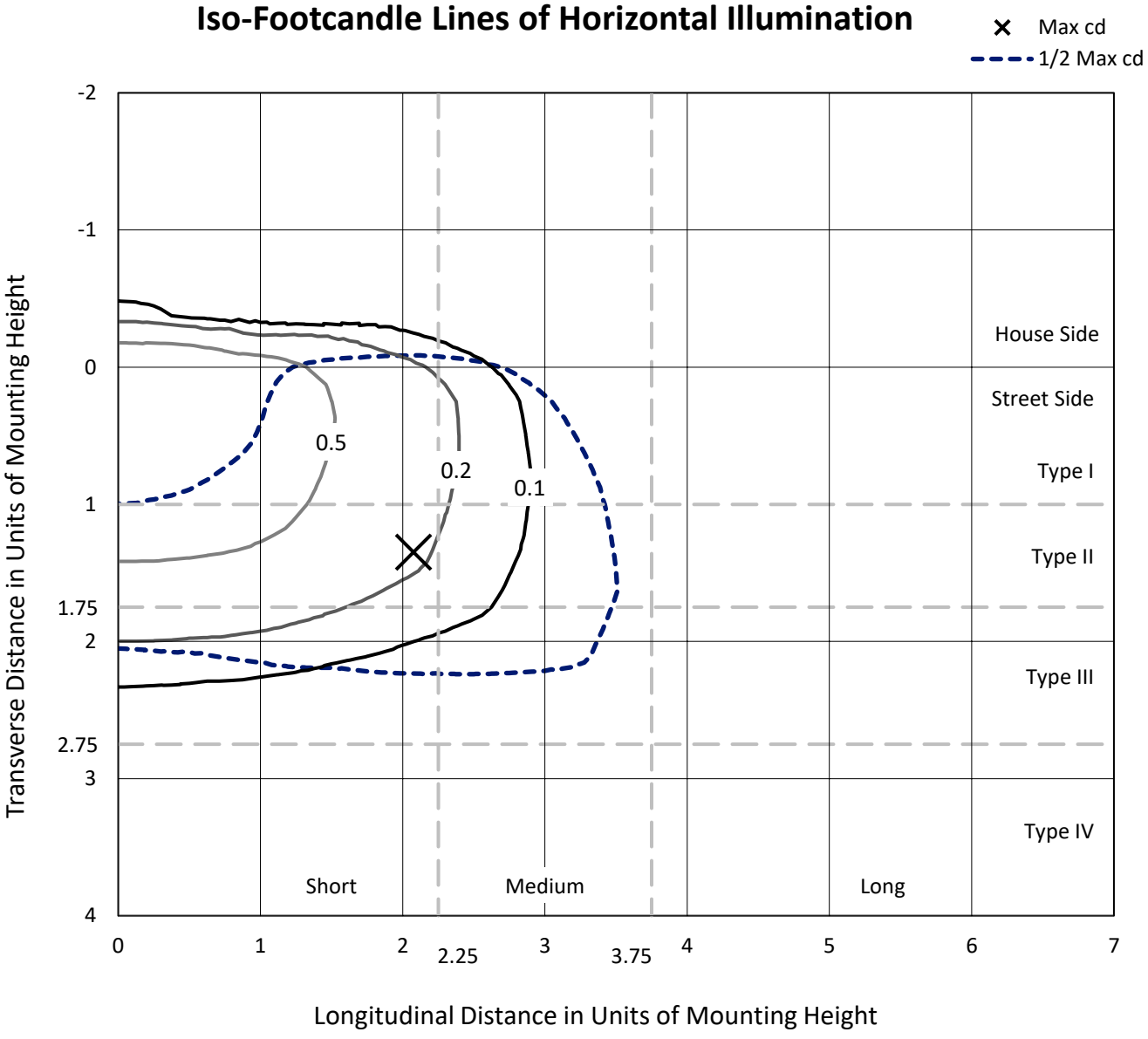
REPORT NUMBER: P385838
CATALOG NUMBER: GPC-SA1B-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type III - Short - N/A

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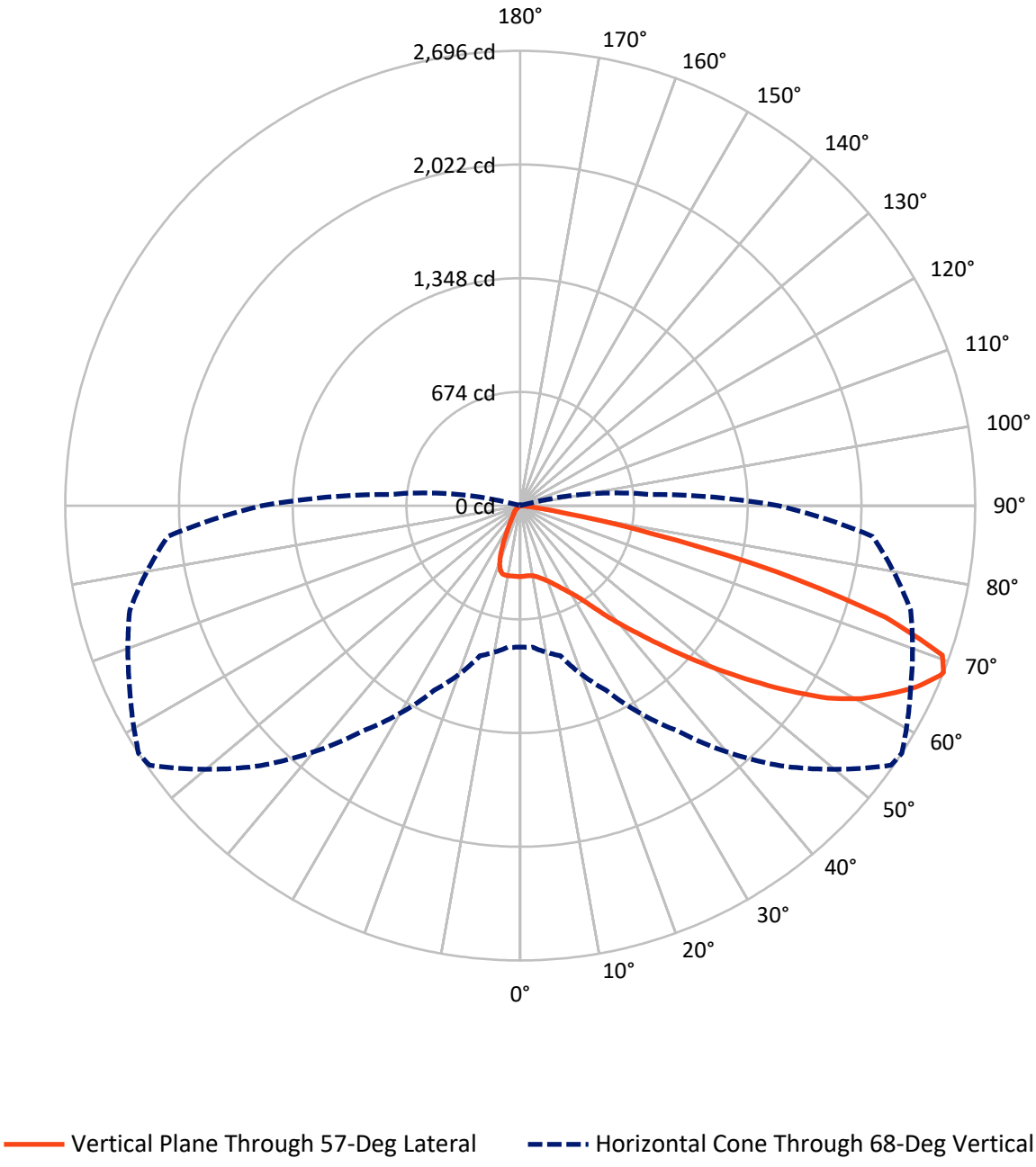
Luminous Intensity Polar Plot



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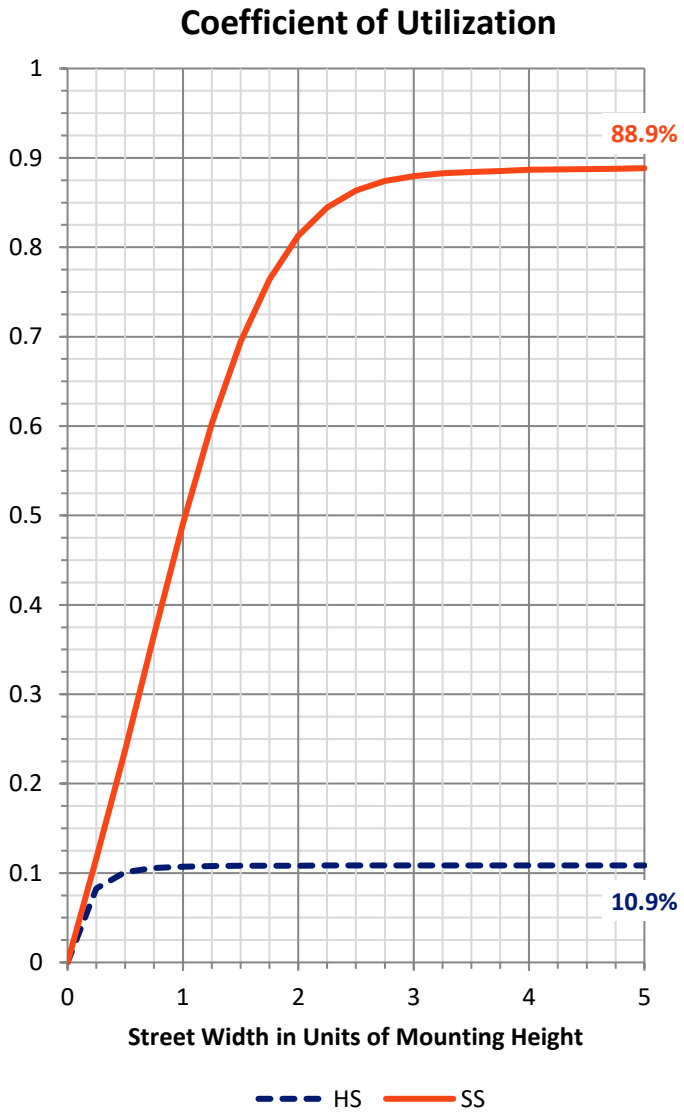
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	387.6	0.0	387.6
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	3147.4	0.0	3147.4
	% Fixture	89.0	0.0	89.0
Total	Lumens	3535.0	0.0	3535.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	1.1
10°-20°	108.9	3.1
20°-30°	187.9	5.3
30°-40°	324.3	9.2
40°-50°	554.8	15.7
50°-60°	887.6	25.1
60°-70°	1025.5	29.0
70°-80°	391.9	11.1
80°-90°	14.7	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°	3535.0	100.0
0°-180°	3535.0	100.0



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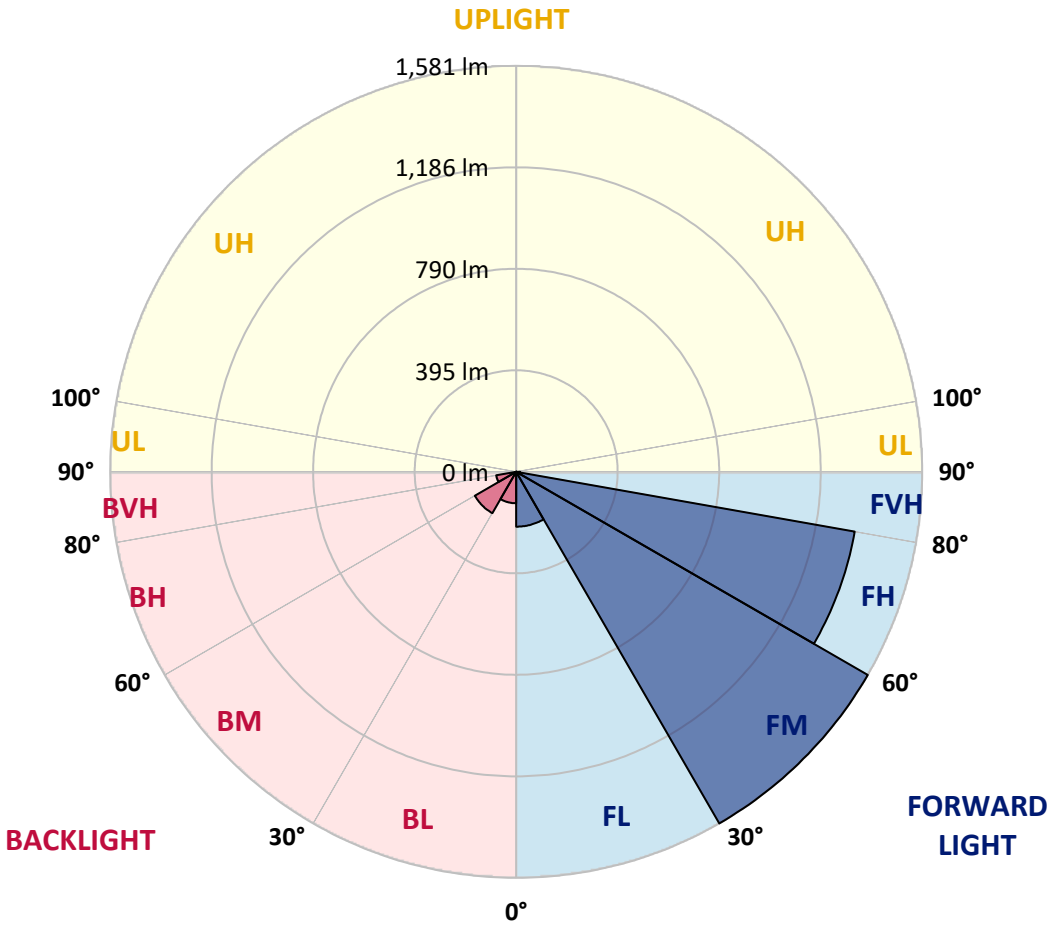
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	213.7	6.0			
FM	(30°-60°)	1580.8	44.7			
FH	(60°-80°)	1338.5	37.9			G1/1800
FVH	(80°-90°)	14.4	0.4			G1/100
BL	(0°-30°)	122.5	3.5	B1/500		
BM	(30°-60°)	185.9	5.3	B0/220		
BH	(60°-80°)	78.9	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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REPORT NUMBER: P385838
CATALOG NUMBER: GPC-SA1B-830-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	420.1	420.1	420.1	420.1	420.1	420.1	420.1	*420.1*	420.1	420.1	420.1
2.5°	410.2	412.0	413.4	414.2	415.2	417.4	418.0	*419.0*	419.5	419.5	420.7
5°	394.0	396.0	398.8	401.2	405.8	411.9	416.2	*417.9*	420.9	423.6	425.1
7.5°	378.9	381.3	384.6	390.1	398.2	407.8	416.9	*419.2*	425.1	430.7	433.6
10°	369.2	371.1	375.4	383.3	393.8	407.3	420.1	*422.9*	432.9	442.4	447.8
12.5°	365.9	367.6	372.1	380.9	394.0	409.9	427.4	*431.6*	446.3	460.2	467.7
15°	370.7	371.1	375.9	384.3	397.2	416.0	439.6	*444.6*	463.2	481.2	490.6
17.5°	389.5	388.0	390.5	394.1	404.3	424.2	452.5	*460.0*	484.7	506.0	514.8
20°	436.3	436.3	430.6	420.6	420.7	436.9	469.9	*478.4*	508.6	533.2	541.2
22.5°	516.3	514.8	503.5	478.9	456.3	458.8	491.1	*502.1*	537.4	563.6	566.3
25°	612.6	610.8	593.2	558.6	519.5	494.3	519.8	*532.5*	571.7	594.9	589.4
27.5°	714.6	713.1	695.7	652.7	597.1	550.8	554.1	*566.1*	606.6	629.5	611.9
30°	813.4	813.9	796.6	752.5	689.5	622.8	597.6	*604.6*	640.5	663.8	638.7
32.5°	907.3	908.0	893.1	843.8	784.9	706.5	657.7	*655.9*	680.0	702.9	674.1
35°	991.0	992.7	982.5	944.2	881.9	799.8	735.8	*731.5*	736.0	761.9	728.4
37.5°	1071.8	1072.8	1065.1	1032.8	980.7	902.3	834.4	*828.2*	818.5	838.4	800.2
40°	1160.2	1157.7	1148.8	1119.6	1074.8	1015.4	940.4	*929.7*	912.8	930.5	894.4
42.5°	1242.4	1239.6	1241.1	1208.0	1170.2	1131.8	1063.9	*1045.5*	1035.7	1056.1	1010.1
45°	1345.2	1343.7	1348.7	1320.0	1289.4	1261.5	1205.5	*1185.4*	1181.1	1205.0	1150.0
47.5°	1446.7	1450.4	1465.9	1453.7	1441.3	1416.8	1355.4	*1346.4*	1349.1	1378.0	1297.6
50°	1531.3	1535.6	1578.2	1592.3	1610.2	1595.8	1534.3	*1528.8*	1539.3	1565.4	1456.4
52.5°	1592.5	1601.3	1654.3	1719.0	1784.2	1793.9	1732.5	*1727.5*	1741.7	1745.7	1579.1
55°	1634.9	1642.8	1702.8	1821.1	1953.8	1995.6	1957.5	*1938.1*	1935.4	1895.8	1708.1
57.5°	1642.4	1641.6	1727.8	1887.1	2086.9	2194.7	2170.6	*2151.6*	2096.7	2034.6	1856.0
60°	1600.0	1604.8	1704.9	1910.0	2170.5	2345.3	2347.1	*2322.4*	2237.0	2169.5	1999.5
62.5°	1469.3	1489.0	1590.1	1850.0	2169.5	2406.0	2476.5	*2457.6*	2355.5	2279.9	2144.9
65°	1257.3	1264.3	1360.8	1644.4	2022.9	2380.6	2593.0	*2586.0*	2462.3	2387.3	2219.6
67.5°	918.2	903.0	1004.2	1294.9	1712.6	2232.5	2676.6	*2685.5*	2544.7	2409.3	2140.0
68°	*837.9*	*842.4*	*921.3*	*1208.5*	*1631.4*	*2180.2*	*2682.1*	*2695.6*	*2552.9*	*2394.9*	*2096.6*
70°	499.4	508.1	578.5	832.1	1241.1	1884.1	2622.6	*2653.5*	2504.1	2246.7	1813.4
72.5°	127.5	137.9	204.4	372.4	708.9	1327.5	2213.9	*2266.2*	2174.1	1822.6	1224.2
75°	52.5	55.2	73.0	122.7	264.1	598.1	1459.2	*1571.2*	1507.2	1091.2	553.3
77.5°	36.3	38.1	47.0	68.0	114.3	202.8	715.4	*796.3*	717.4	372.4	120.7
80°	26.1	27.6	33.6	45.3	65.7	72.4	233.2	*269.6*	214.1	81.7	29.9
82.5°	15.5	16.7	25.1	32.3	39.9	34.6	58.0	*65.9*	62.0	40.6	13.4
85°	7.7	9.0	16.9	23.1	21.6	14.5	17.7	*19.7*	24.4	24.7	7.2
87.5°	0.5	1.0	9.9	13.9	6.0	3.3	5.2	*6.4*	8.7	12.2	3.0
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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REPORT NUMBER: P385838
CATALOG NUMBER: GPC-SA1B-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1
2.5°	421.2	421.4	420.2	419.7	420.1	418.0	417.2	417.5	417.5	418.0	417.2
5°	425.4	425.4	423.4	420.7	419.2	415.4	412.9	412.2	411.7	411.4	410.7
7.5°	434.4	433.4	429.9	424.1	419.0	410.7	404.3	401.0	399.3	398.7	398.2
10°	449.0	447.1	441.3	430.4	418.9	404.0	390.1	380.3	372.1	368.7	366.7
12.5°	468.5	465.9	456.0	437.9	417.7	390.3	360.2	331.3	304.4	293.4	287.8
15°	491.1	487.2	471.7	444.3	410.9	359.4	294.0	243.4	206.1	192.1	186.0
17.5°	514.0	509.0	485.4	448.3	390.3	295.4	206.3	155.8	130.9	124.2	121.9
20°	537.1	529.7	497.3	445.3	343.8	213.0	136.1	113.8	106.6	104.6	104.0
22.5°	559.0	547.6	508.0	433.6	272.3	142.9	107.6	100.6	98.3	97.1	96.8
25°	578.0	562.1	517.3	397.5	192.7	108.0	96.9	94.6	91.6	89.4	89.6
27.5°	595.9	576.7	523.0	338.0	128.5	92.3	89.8	86.6	81.1	77.9	77.9
30°	617.5	596.1	527.2	260.1	94.6	81.6	79.6	74.7	67.2	63.0	63.0
32.5°	649.9	625.5	524.5	182.5	78.4	71.7	67.0	60.3	52.2	48.1	48.0
35°	699.5	670.9	505.5	119.7	69.2	62.3	54.8	46.6	39.4	36.1	35.9
37.5°	766.4	731.8	462.7	85.6	62.0	53.7	44.6	35.6	30.3	28.1	27.9
40°	853.1	802.5	401.5	69.4	55.3	45.3	34.4	27.6	23.9	22.2	22.4
42.5°	957.3	878.2	328.1	59.8	48.8	37.3	26.9	21.7	19.4	18.2	17.9
45°	1072.9	952.9	251.2	53.3	42.3	30.1	21.1	17.2	15.4	14.7	14.7
47.5°	1200.1	1025.6	183.9	47.6	35.3	23.2	16.9	14.0	12.5	12.0	11.9
50°	1315.6	1076.1	132.6	41.6	28.9	18.4	13.7	11.7	10.7	10.0	10.0
52.5°	1411.9	1092.0	97.6	35.1	23.4	14.7	11.4	10.0	9.0	8.5	8.5
55°	1496.7	1085.5	72.5	28.9	18.9	12.0	9.7	8.5	7.7	7.2	7.2
57.5°	1577.9	1064.4	54.2	23.6	15.2	9.7	8.2	7.2	6.4	6.0	6.0
60°	1644.3	1029.3	40.3	19.1	12.2	7.9	6.9	5.9	5.2	4.7	4.7
62.5°	1698.1	990.5	29.6	15.7	9.7	6.2	5.3	4.8	3.8	3.3	3.3
65°	1698.4	926.2	22.2	13.0	7.5	4.8	4.0	3.8	2.5	2.0	1.8
67.5°	1575.6	798.5	17.0	11.2	5.9	3.7	3.0	3.2	1.3	0.8	0.7
68°	*1530.9*	*766.1*	*16.0*	*11.0*	*5.5*	*3.5*	*2.8*	*3.2*	*1.2*	*0.7*	*0.5*
70°	1290.7	609.4	12.9	10.7	4.8	2.7	2.3	3.2	1.0	0.5	0.3
72.5°	825.6	353.7	9.5	8.5	3.7	2.0	1.5	2.8	1.0	0.3	0.2
75°	351.4	109.7	6.5	6.0	2.2	1.5	1.0	1.8	0.7	0.2	0.0
77.5°	74.0	24.7	3.8	3.7	1.5	1.0	0.7	0.5	0.2	0.0	0.0
80°	19.1	7.2	2.0	1.8	0.8	0.5	0.3	0.0	0.0	0.0	0.0
82.5°	6.0	2.8	1.2	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.0	1.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.5	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

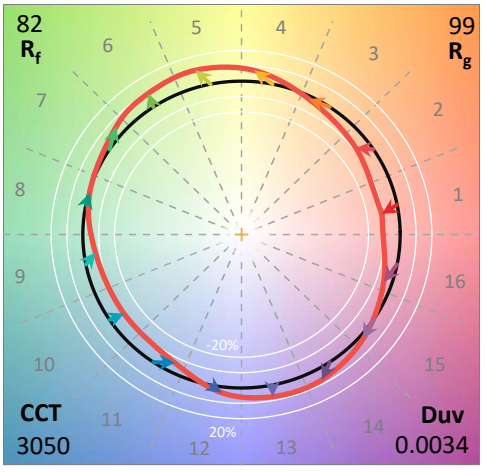
Test Information

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

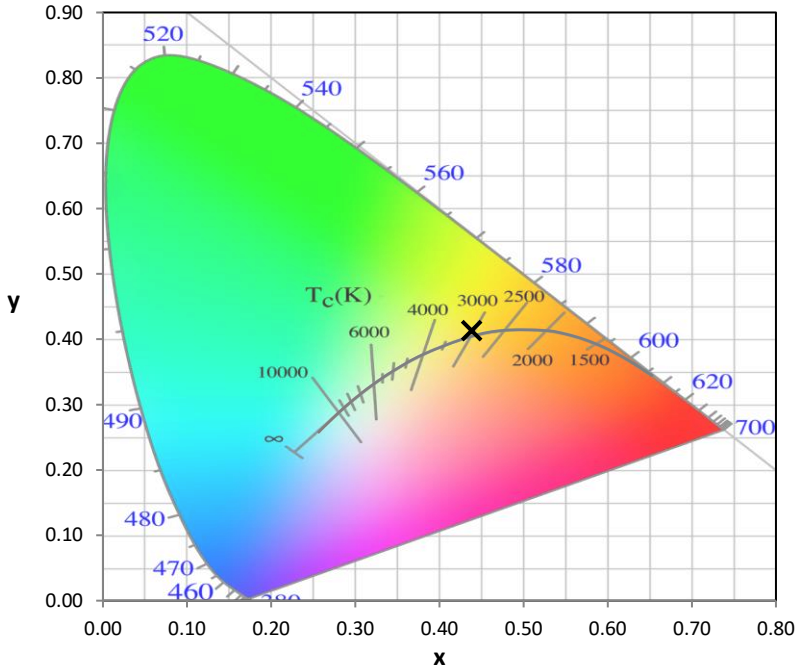
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

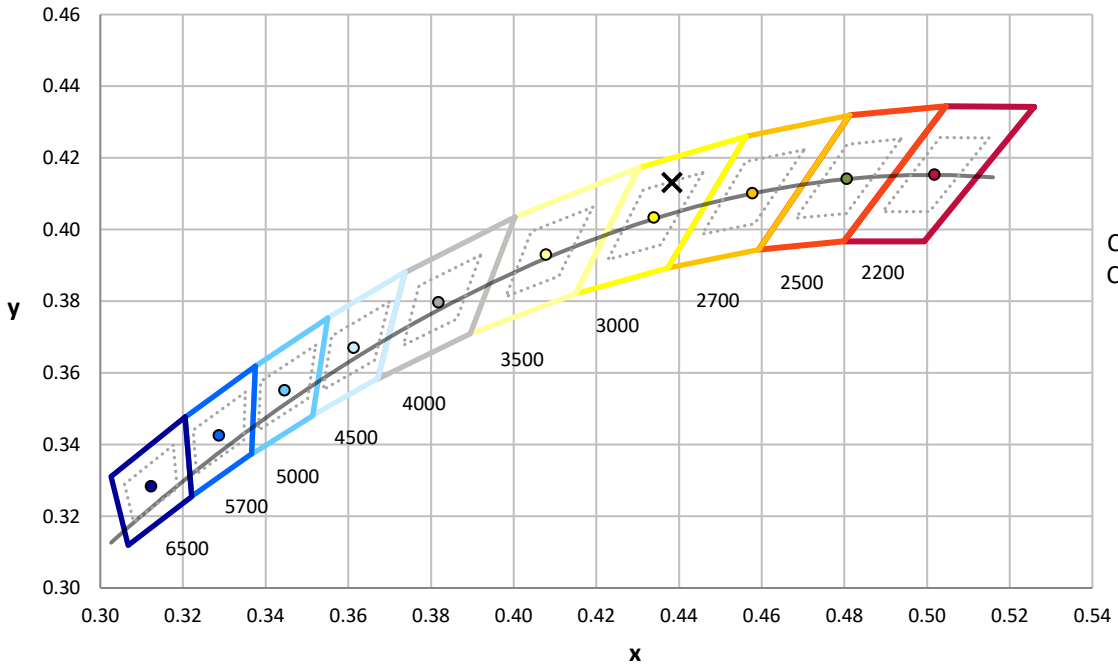
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

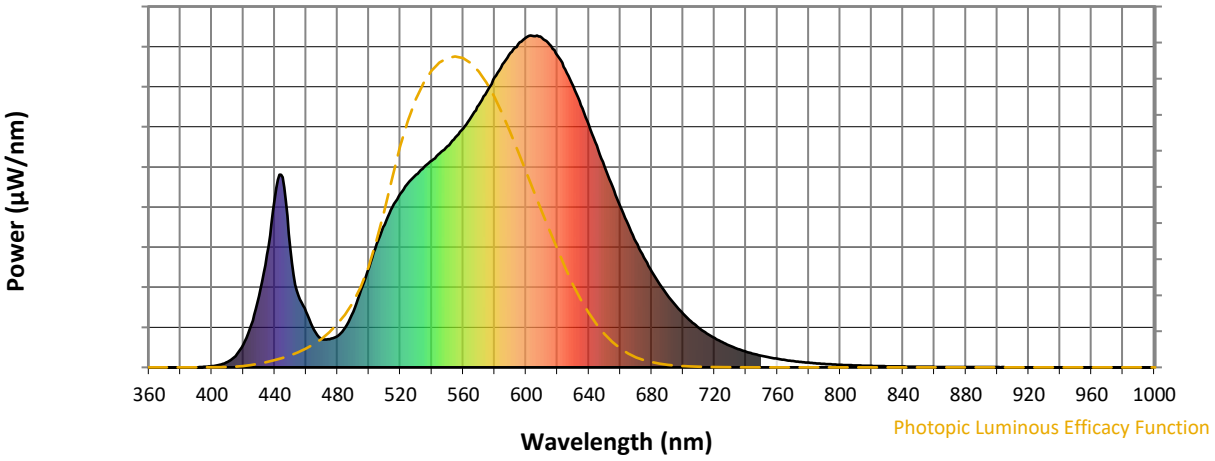


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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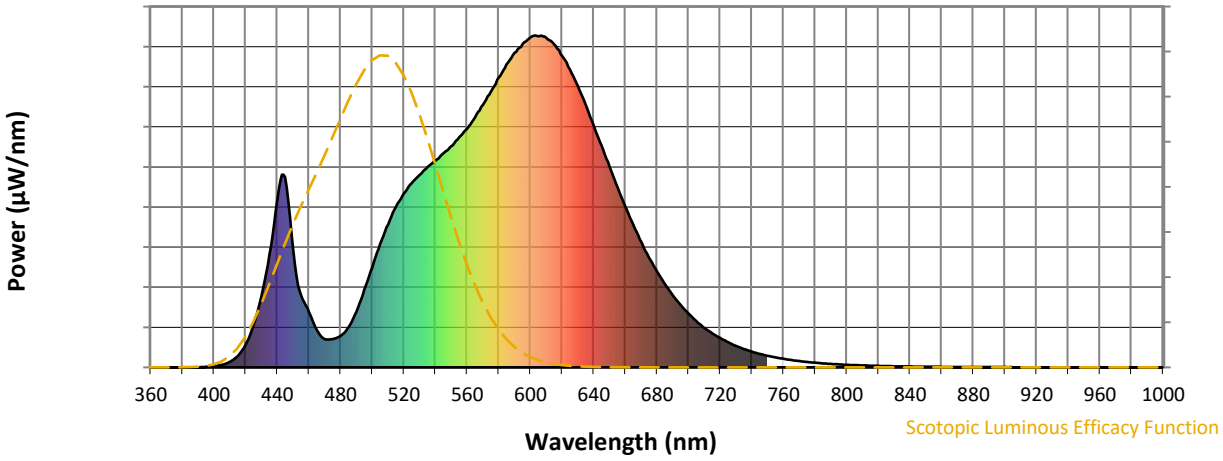
Scotopic Flux vs. Wavelength



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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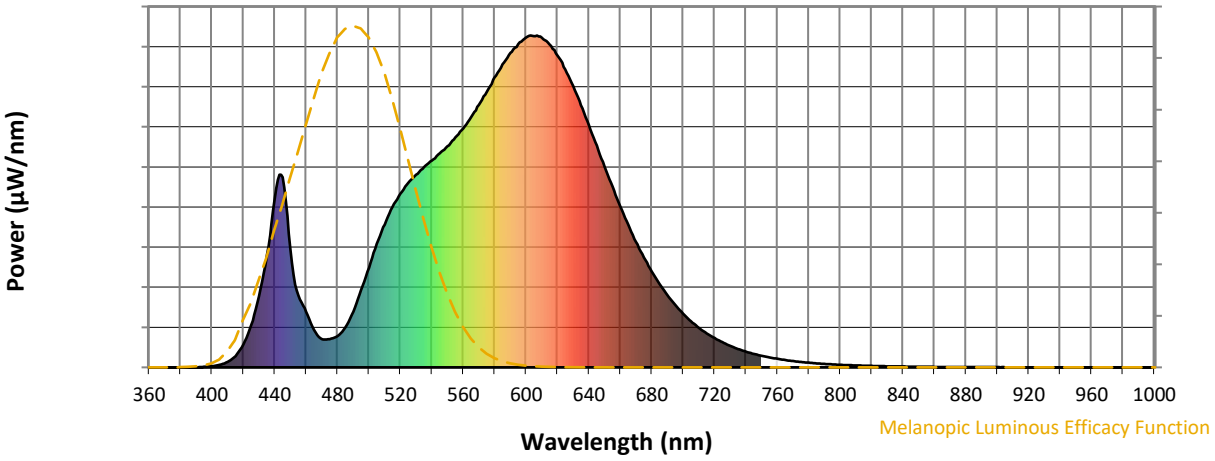
Melanopic Flux vs. Wavelength



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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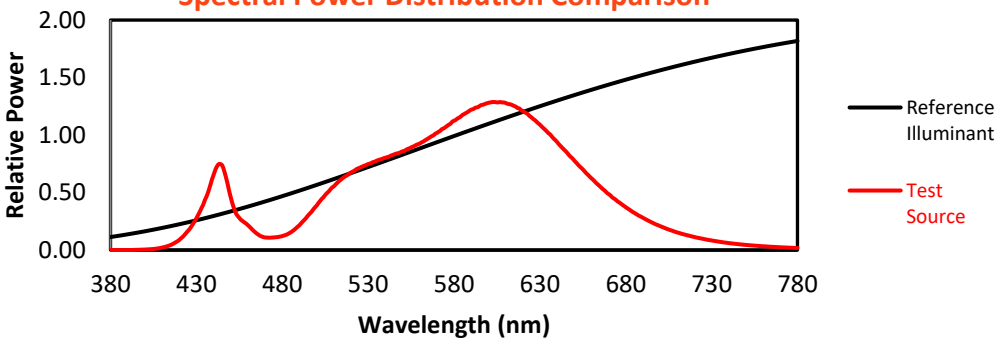
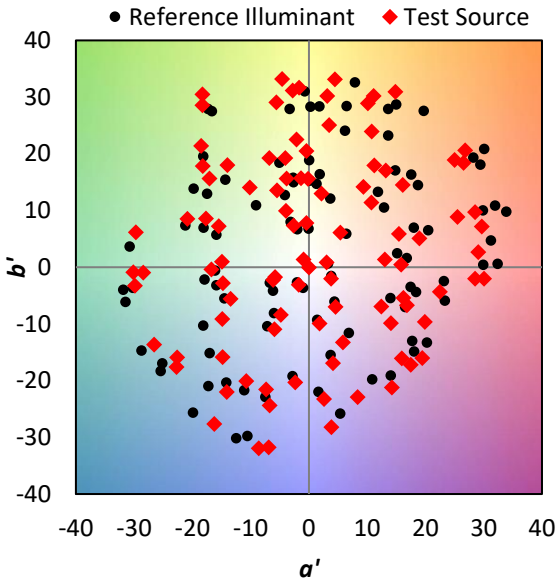
Summary

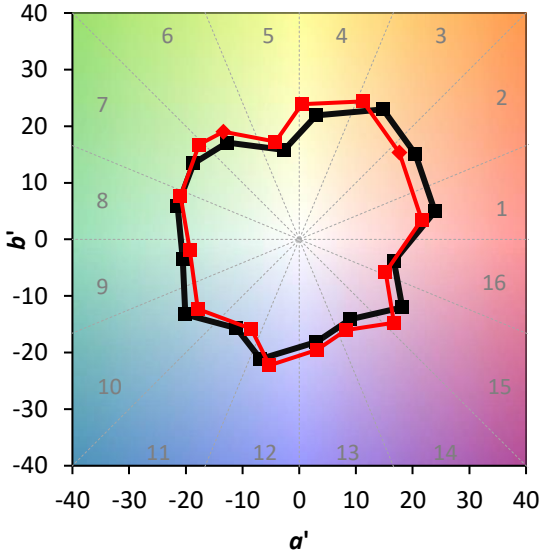
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

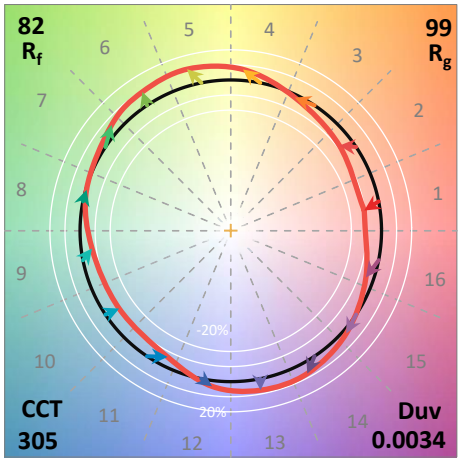
Spectral Power Distribution Comparison

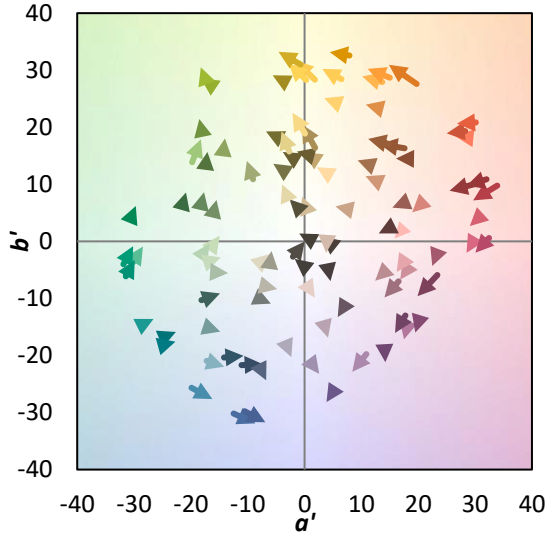


Color Vector Graphics









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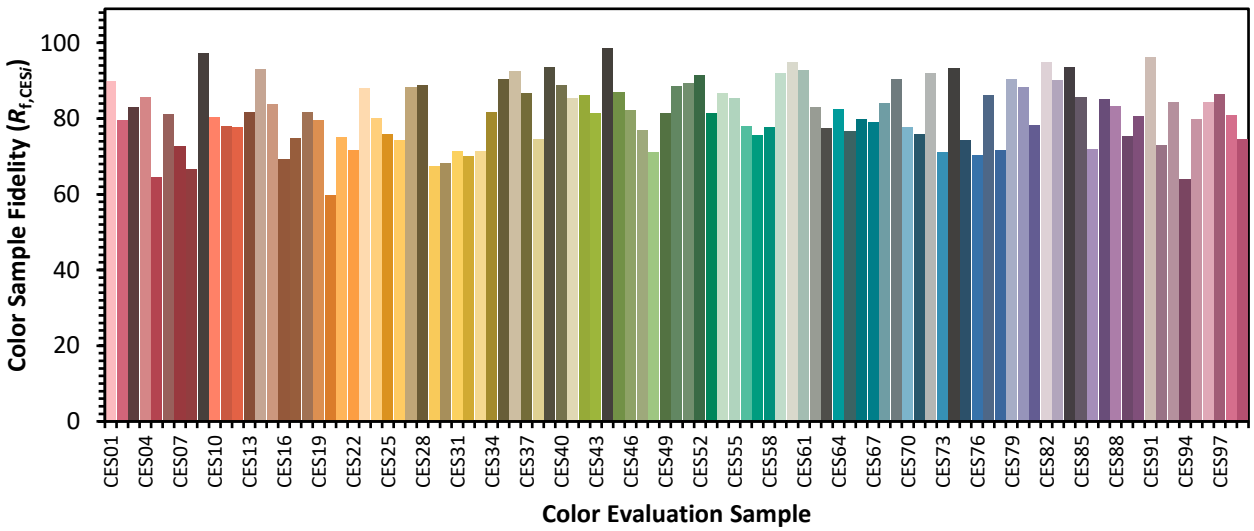
Individual Sample Fidelity Index ($R_{f,i}$)

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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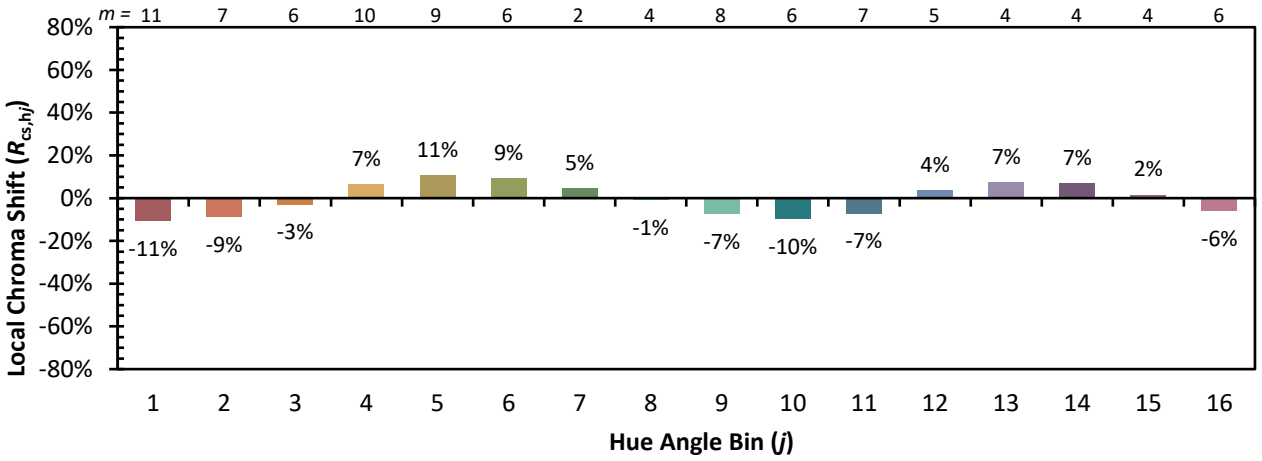
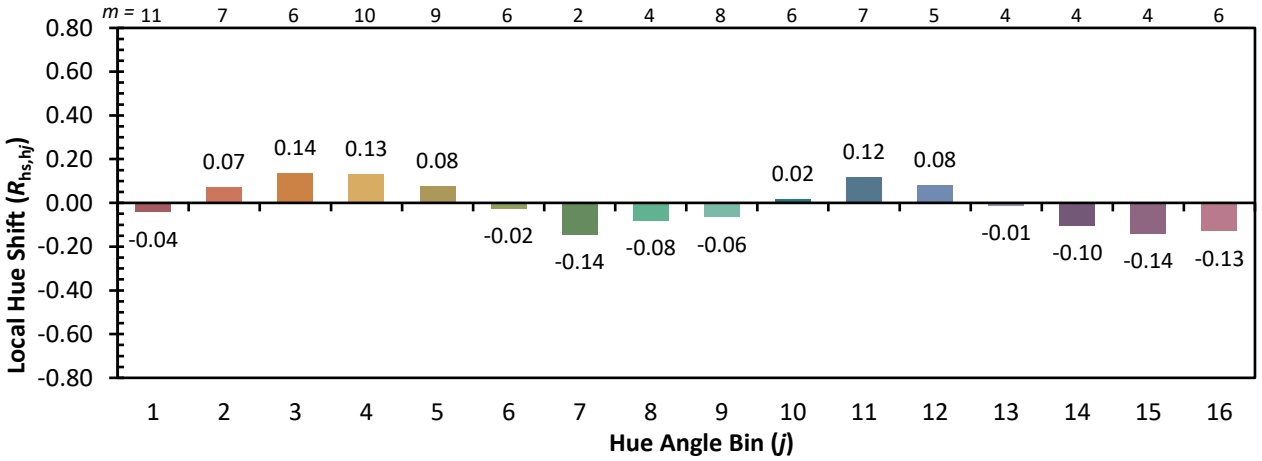
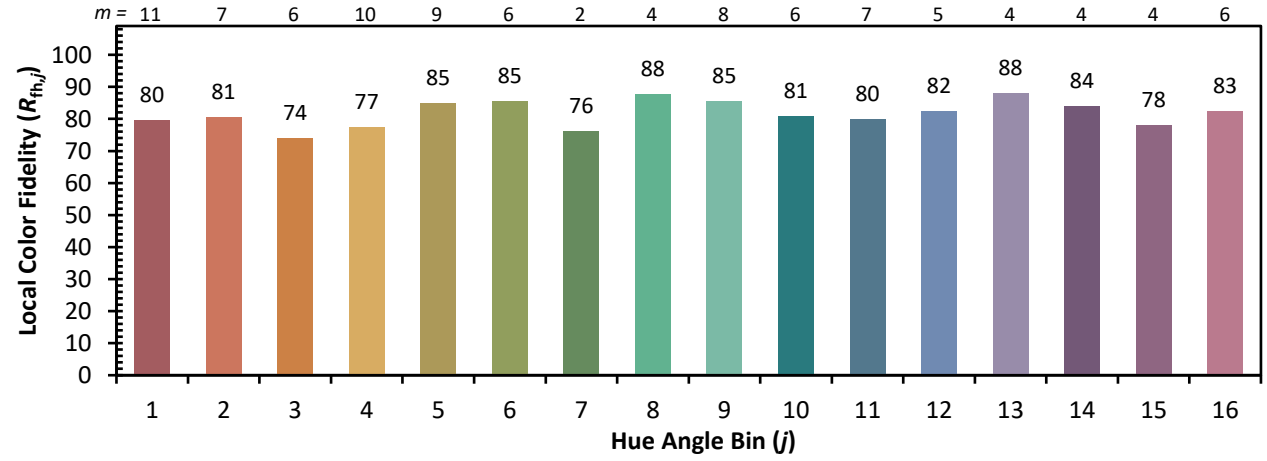
Color Rendition by Hue-Angle Bin







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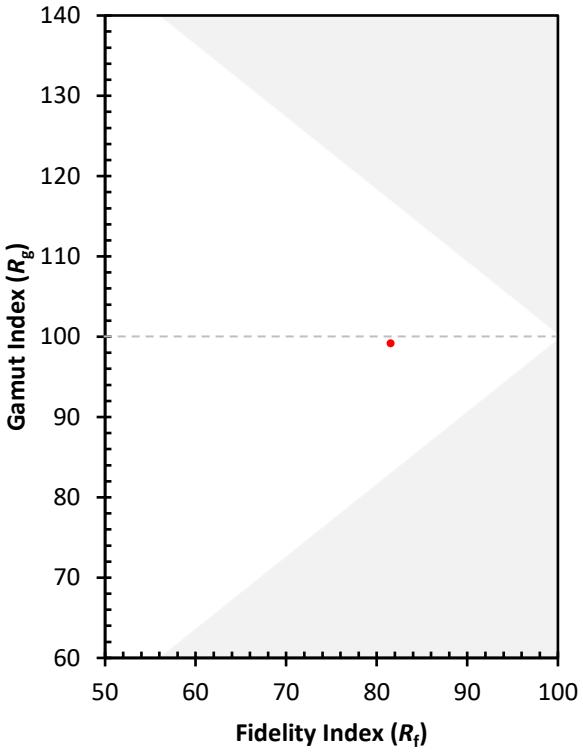
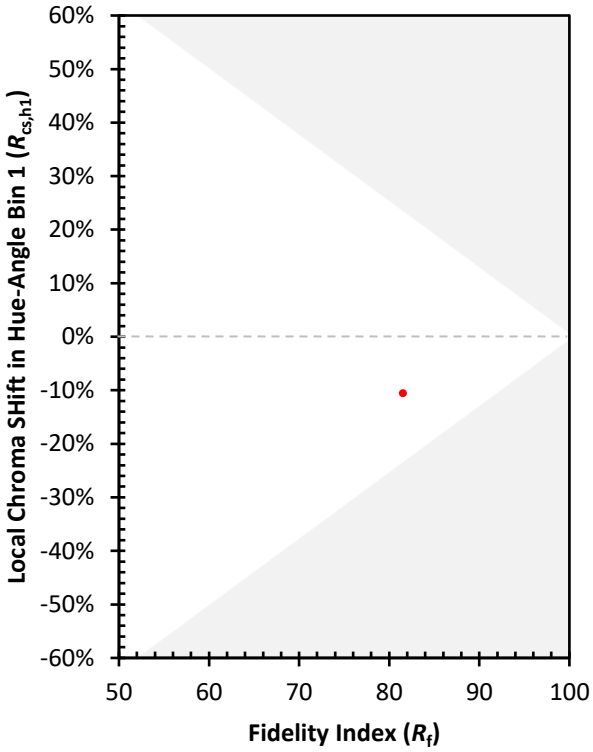
Measure Comparisons





(END OF REPORT)