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: P386287

Luminaire Tested: **GPC-SA1D-830-U-T3**

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:	P386287
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1D-830-U-T3
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6586 lumens
Efficiency:	N/A
Efficacy:	99.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	66
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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Scaled Data Report

REPORT NUMBER: P386287
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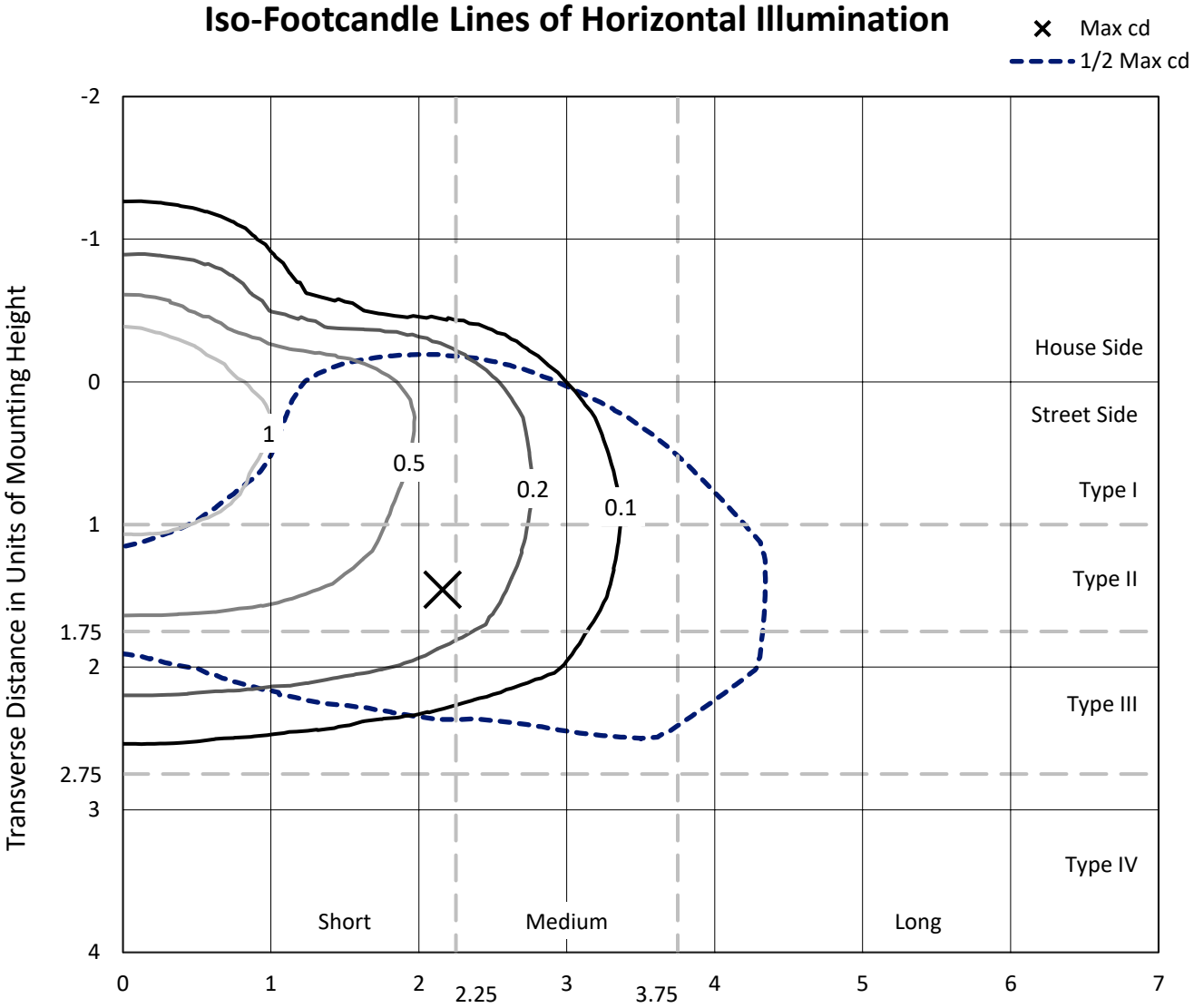
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type III - Short - N/A

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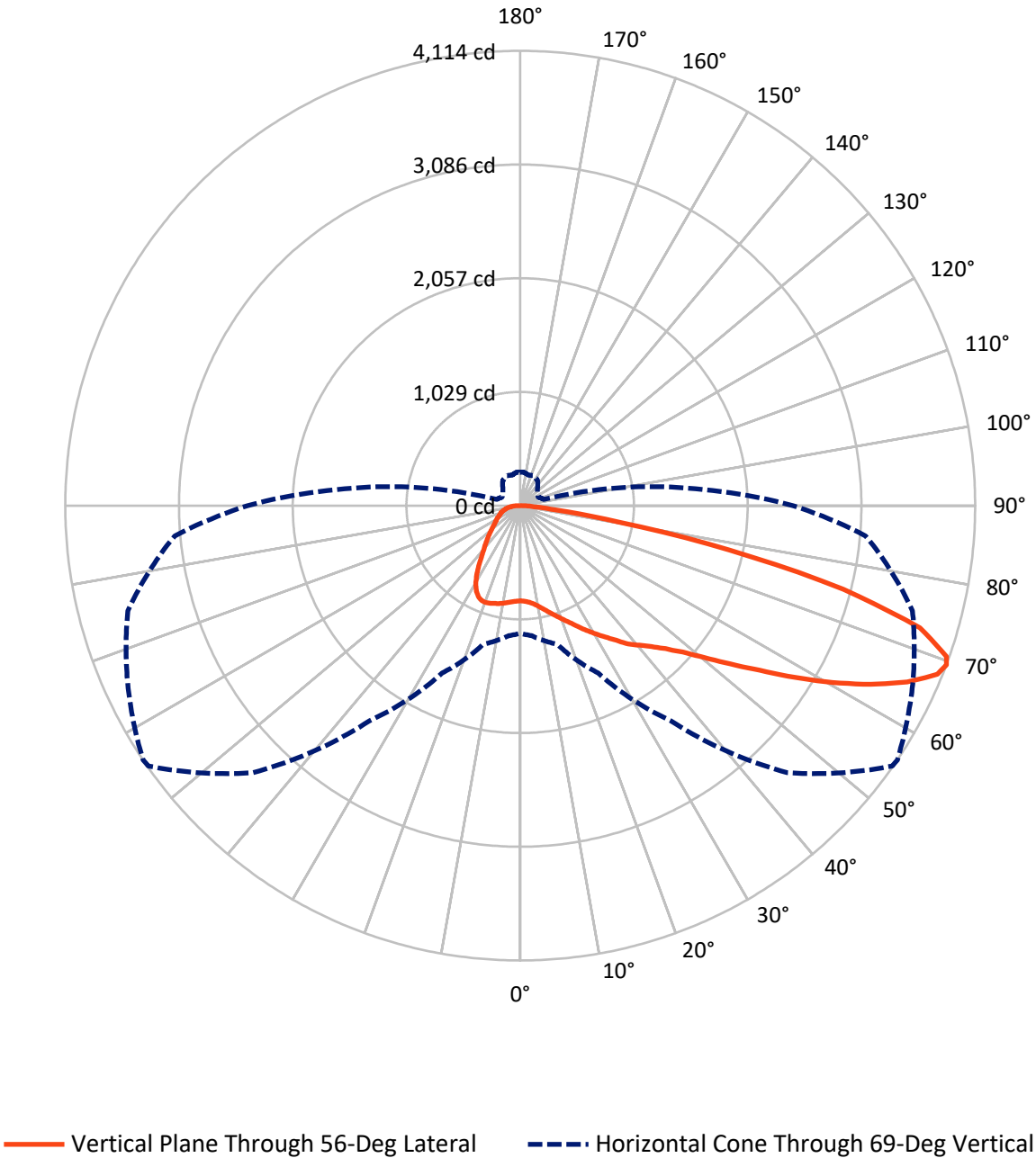
Luminous Intensity Polar Plot



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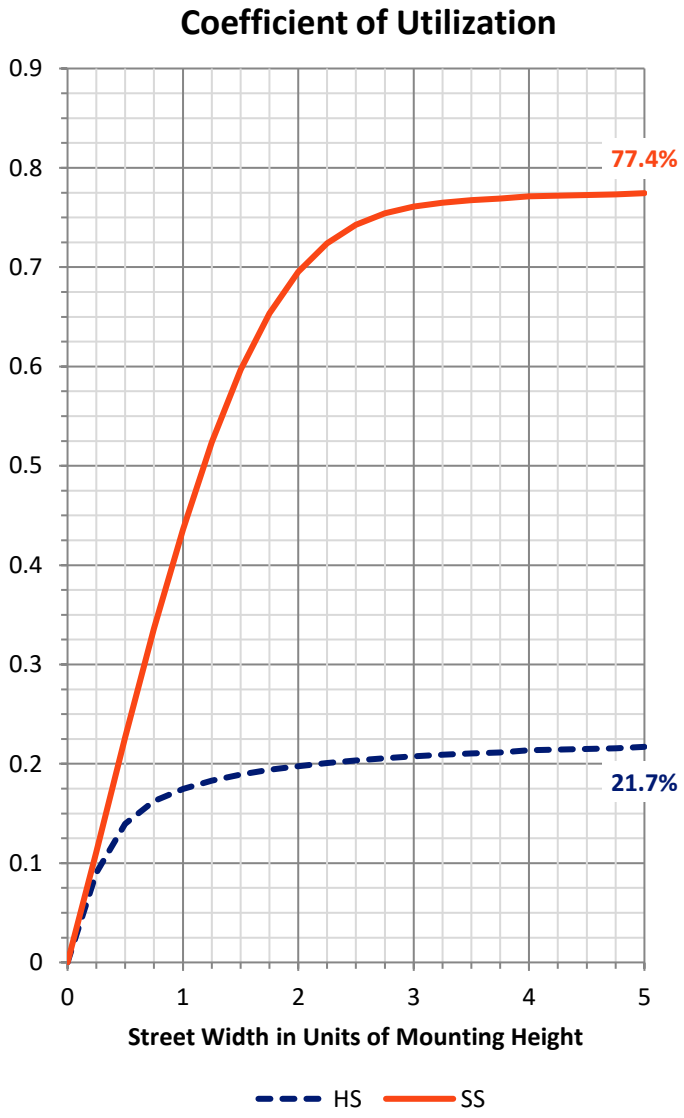
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1466.7	0.0	1466.7
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	5119.3	0.0	5119.3
	% Fixture	77.7	0.0	77.7
Total	Lumens	6586.0	0.0	6586.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	1.3
10°-20°	271.9	4.1
20°-30°	474.7	7.2
30°-40°	681.9	10.4
40°-50°	943.7	14.3
50°-60°	1382.6	21.0
60°-70°	1685.7	25.6
70°-80°	931.9	14.2
80°-90°	129.1	2.0
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°	6586.0	100.0
0°-180°	6586.0	100.0



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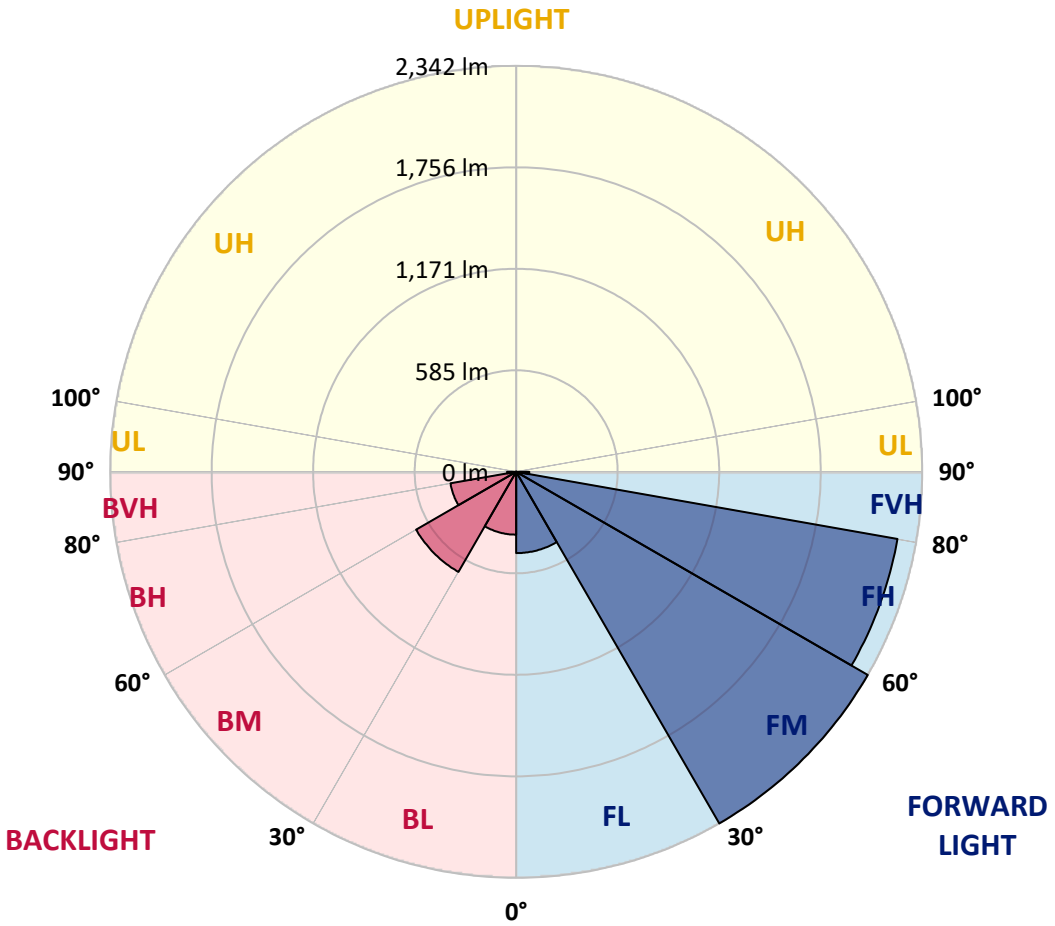
CATALOG NUMBER: GPC-SA1D-830-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	468.7	7.1			
FM	(30°-60°)	2341.6	35.6			
FH	(60°-80°)	2233.0	33.9			G2/5000
FVH	(80°-90°)	76.0	1.2			G1/100
BL	(0°-30°)	362.5	5.5	B1/500		
BM	(30°-60°)	666.6	10.1	B1/1000		
BH	(60°-80°)	384.6	5.8	B1/500		G1/500
BVH	(80°-90°)	53.0	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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Scaled Data Report

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	861.0	861.0	861.0	861.0	861.0	861.0	861.0	*861.0*	861.0	861.0	861.0
2.5°	866.5	867.4	866.7	868.5	866.5	867.8	866.7	*866.7*	866.0	864.0	861.7
5°	880.1	881.9	880.8	882.6	880.1	880.5	878.5	*878.5*	876.4	872.1	867.6
7.5°	901.4	903.4	902.5	904.4	901.0	901.0	898.2	*898.0*	893.9	886.9	881.7
10°	926.8	929.5	928.6	931.4	928.6	929.5	926.8	*926.8*	921.4	911.4	904.8
12.5°	963.8	967.2	964.7	964.5	963.3	965.2	962.9	*962.4*	957.4	943.8	934.8
15°	1013.3	1016.9	1011.7	1011.2	1004.9	1004.2	1004.2	*1003.5*	1000.3	984.0	969.0
17.5°	1070.2	1071.3	1066.8	1059.5	1051.4	1046.2	1045.5	*1047.3*	1047.3	1028.2	1004.4
20°	1126.0	1128.1	1124.4	1116.3	1105.8	1098.1	1092.7	*1096.3*	1096.1	1073.4	1039.6
22.5°	1186.8	1191.6	1186.1	1175.7	1163.5	1154.8	1145.3	*1148.5*	1148.7	1120.8	1074.1
25°	1265.6	1261.2	1257.8	1243.1	1225.6	1216.8	1207.9	*1211.1*	1210.2	1171.8	1109.7
27.5°	1335.2	1336.1	1331.6	1315.9	1295.7	1276.2	1275.8	*1277.8*	1274.4	1224.9	1143.3
30°	1416.2	1416.7	1410.3	1396.2	1374.2	1349.0	1343.1	*1346.5*	1339.3	1275.3	1178.7
32.5°	1496.7	1499.0	1492.0	1475.0	1457.3	1426.6	1414.8	*1417.1*	1399.0	1326.8	1215.2
35°	1567.3	1570.5	1568.2	1556.9	1537.6	1511.3	1497.2	*1495.8*	1473.4	1389.9	1263.5
37.5°	1639.2	1642.2	1639.7	1630.2	1622.4	1594.5	1587.0	*1587.0*	1548.0	1454.3	1325.0
40°	1713.2	1717.7	1714.8	1701.6	1695.0	1682.3	1664.4	*1660.1*	1617.9	1531.7	1425.3
42.5°	1781.9	1787.8	1799.6	1791.9	1778.5	1780.3	1744.3	*1742.0*	1711.2	1646.0	1551.2
45°	1879.5	1888.1	1908.1	1902.2	1899.5	1889.5	1846.6	*1844.6*	1832.8	1799.9	1707.5
47.5°	1985.9	1997.7	2033.8	2034.9	2064.2	2045.3	1987.0	*1980.0*	1982.7	1984.1	1898.3
50°	2083.9	2096.9	2156.1	2184.0	2252.9	2257.0	2163.8	*2157.4*	2168.1	2199.4	2120.7
52.5°	2162.2	2178.5	2252.5	2338.7	2456.9	2490.5	2381.4	*2376.6*	2384.5	2438.5	2372.1
55°	2219.6	2237.3	2317.8	2474.8	2663.6	2722.8	2631.8	*2627.3*	2632.3	2701.0	2645.5
57.5°	2233.0	2237.3	2354.1	2566.5	2838.1	2980.3	2938.4	*2929.3*	2904.8	2964.7	2947.2
60°	2170.1	2187.4	2324.2	2598.7	2973.1	3234.2	3258.7	*3247.4*	3178.6	3227.6	3213.6
62.5°	2042.6	2073.5	2212.3	2549.7	3025.9	3441.6	3573.0	*3559.3*	3440.9	3472.7	3405.1
65°	1834.3	1847.5	1993.4	2380.7	2958.8	3574.3	3853.2	*3846.3*	3697.3	3647.6	3440.5
67.5°	1461.8	1486.5	1610.4	2027.4	2684.0	3558.7	4069.8	*4069.1*	3864.7	3712.5	3315.0
69°	*1154.8*	*1180.5*	*1298.5*	*1670.1*	*2375.0*	*3415.5*	*4106.1*	*4114.1*	*3911.9*	*3673.0*	*3135.7*
70°	920.7	950.4	1031.4	1406.7	2100.7	3226.7	4076.0	*4090.2*	3902.8	3607.9	2970.4
72.5°	391.8	415.9	473.5	725.1	1280.3	2409.5	3726.8	*3780.8*	3692.5	3302.1	2454.9
75°	171.1	178.6	204.6	295.6	568.3	1311.4	2919.5	*3019.4*	3157.3	2791.1	1828.7
77.5°	125.2	128.4	142.7	173.6	255.0	495.3	1877.5	*1935.5*	2277.0	2031.1	1121.7
80°	96.9	99.1	110.3	127.5	166.5	200.3	856.3	*906.2*	1280.3	1043.2	467.2
82.5°	77.1	78.7	86.4	93.9	115.0	121.4	284.3	*315.4*	472.6	288.1	123.7
85°	71.7	73.5	76.2	68.5	73.7	71.2	123.0	*128.6*	142.7	113.2	51.7
87.5°	32.4	38.3	75.6	53.3	39.3	31.3	50.4	*52.6*	59.2	59.4	22.9
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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Scaled Data Report

REPORT NUMBER: P386287
CATALOG NUMBER: GPC-SA1D-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0	861.0
2.5°	863.1	862.4	863.5	860.8	864.2	864.0	862.8	863.3	865.6	865.3	865.6
5°	868.3	867.8	869.2	867.1	871.2	872.6	872.8	874.9	877.4	878.0	878.0
7.5°	881.4	881.4	882.1	879.4	882.1	881.9	880.8	882.8	885.3	885.5	885.3
10°	904.1	904.4	903.2	896.2	893.9	887.8	882.1	882.3	885.5	888.0	888.7
12.5°	932.7	931.8	926.8	913.9	904.4	891.9	886.0	885.8	888.9	891.0	891.6
15°	965.4	962.9	950.0	928.9	912.1	899.8	890.3	888.0	886.2	883.9	884.2
17.5°	996.2	990.6	969.0	939.7	922.1	905.7	887.3	872.6	862.4	856.5	854.7
20°	1027.6	1016.4	985.4	950.0	927.5	897.8	862.4	832.4	813.8	805.2	803.6
22.5°	1056.1	1038.2	1000.6	960.6	923.2	871.0	815.4	771.9	746.0	734.4	735.3
25°	1084.0	1059.1	1016.4	968.1	901.4	823.8	750.1	696.5	666.6	653.6	653.2
27.5°	1108.5	1080.2	1033.7	962.0	860.8	756.7	672.7	620.5	595.6	584.5	582.6
30°	1136.7	1106.7	1056.6	938.6	801.4	679.1	597.2	560.4	542.7	531.6	529.5
32.5°	1170.9	1142.8	1075.4	896.2	725.3	598.1	538.2	512.5	496.4	483.9	481.7
35°	1220.9	1190.5	1080.2	835.4	641.9	534.1	494.8	468.5	446.7	430.6	429.0
37.5°	1283.5	1250.1	1069.3	756.7	560.9	492.6	458.8	426.3	398.0	375.3	371.6
40°	1373.8	1323.4	1039.1	665.9	501.2	460.6	423.6	386.6	351.4	324.9	319.7
42.5°	1482.2	1409.4	992.8	575.6	457.4	428.1	388.7	342.8	309.2	290.4	287.7
45°	1620.2	1498.8	928.6	496.6	414.3	395.7	351.0	308.8	287.9	274.1	271.8
47.5°	1777.6	1599.1	861.2	432.4	377.8	365.3	320.8	293.6	277.0	266.1	264.1
50°	1971.2	1712.3	789.8	379.8	341.0	328.8	306.5	285.2	272.0	263.6	261.6
52.5°	2189.4	1840.0	738.3	338.3	310.6	301.8	299.0	280.7	270.0	263.6	261.6
55°	2424.5	1970.0	682.7	303.3	284.3	286.8	294.0	281.1	273.8	266.1	263.2
57.5°	2659.7	2104.3	620.8	273.8	263.4	275.7	290.6	282.0	275.9	268.4	265.7
60°	2845.8	2189.4	524.8	249.1	246.8	263.4	282.5	275.2	267.3	267.5	267.0
62.5°	2932.7	2184.9	418.8	227.1	230.3	246.8	269.3	264.5	258.0	266.8	267.5
65°	2883.9	2076.0	326.0	207.1	212.6	229.6	255.7	259.3	261.6	278.6	280.9
67.5°	2679.3	1864.1	252.5	189.7	196.5	217.8	257.1	282.5	285.4	303.3	303.1
69°	*2467.6*	*1665.3*	*219.4*	*180.6*	*188.5*	*220.8*	*274.8*	*297.2*	*286.1*	*305.2*	*302.4*
70°	2290.2	1508.1	201.7	174.5	184.9	226.0	286.6	297.0	282.7	299.0	294.5
72.5°	1763.8	1085.0	171.1	163.1	172.7	216.2	290.0	290.4	274.8	277.9	270.2
75°	1209.7	685.6	149.3	147.7	154.1	194.9	279.1	277.5	254.1	249.6	243.2
77.5°	667.0	348.3	126.8	133.0	137.3	172.7	253.7	251.4	232.1	222.6	220.3
80°	257.3	152.5	107.1	118.2	120.9	149.5	222.3	220.3	204.2	191.9	188.5
82.5°	97.1	79.9	88.5	102.3	101.4	123.4	188.3	187.2	171.5	153.6	148.2
85°	44.9	47.9	70.1	84.4	77.8	91.4	150.7	152.7	133.6	112.3	112.3
87.5°	19.1	26.8	49.7	63.8	52.4	61.7	110.5	105.5	96.9	67.2	63.1
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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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

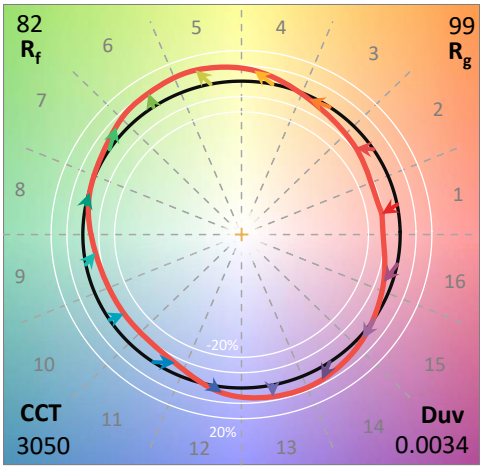
Test Information

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

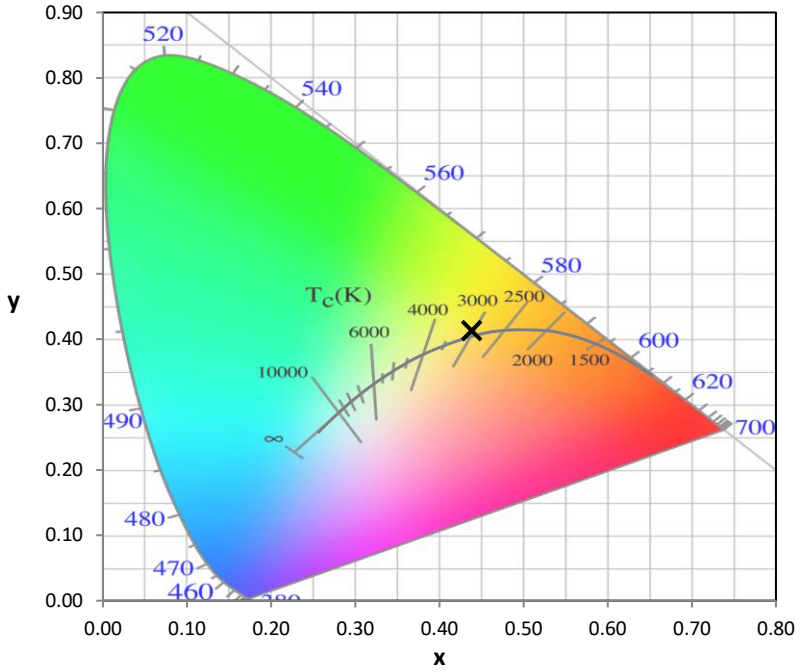
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

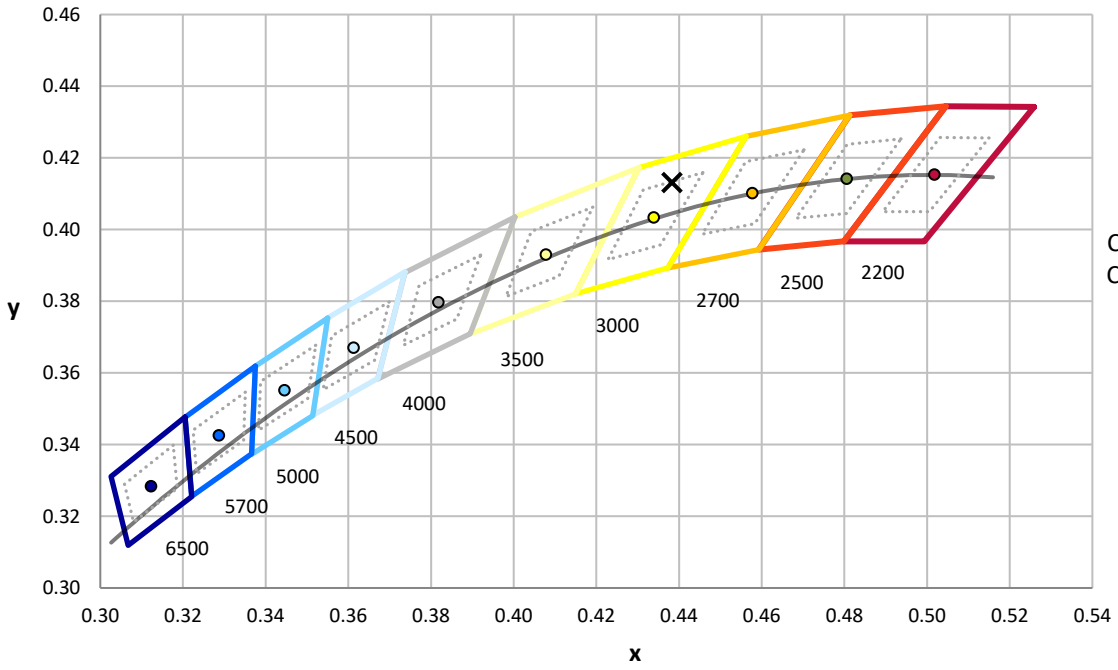
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

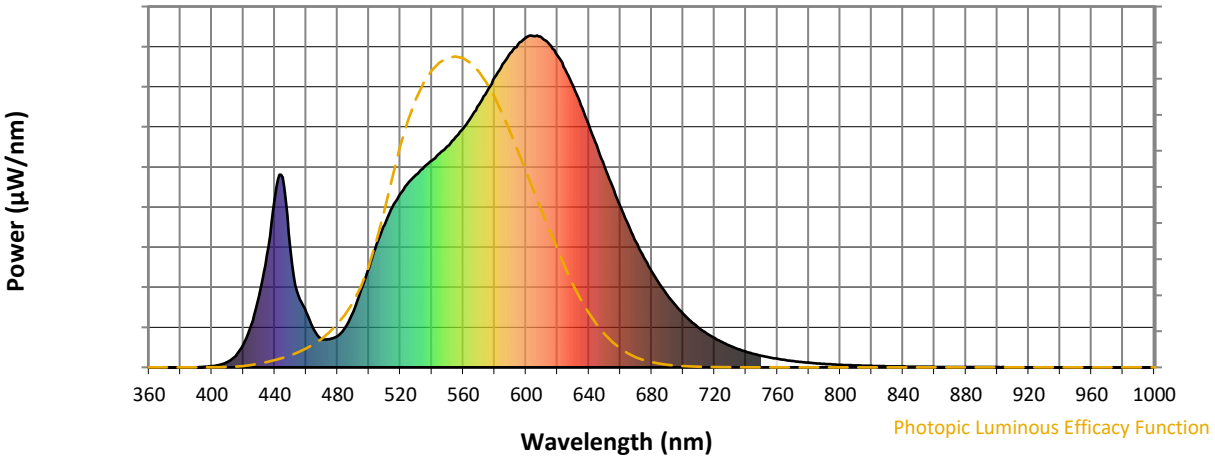


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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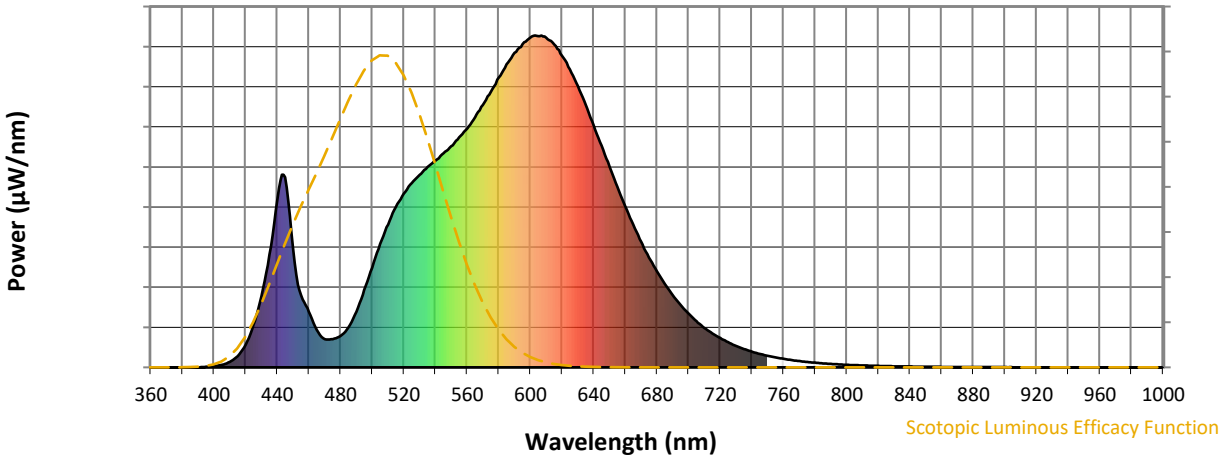
Scotopic Flux vs. Wavelength



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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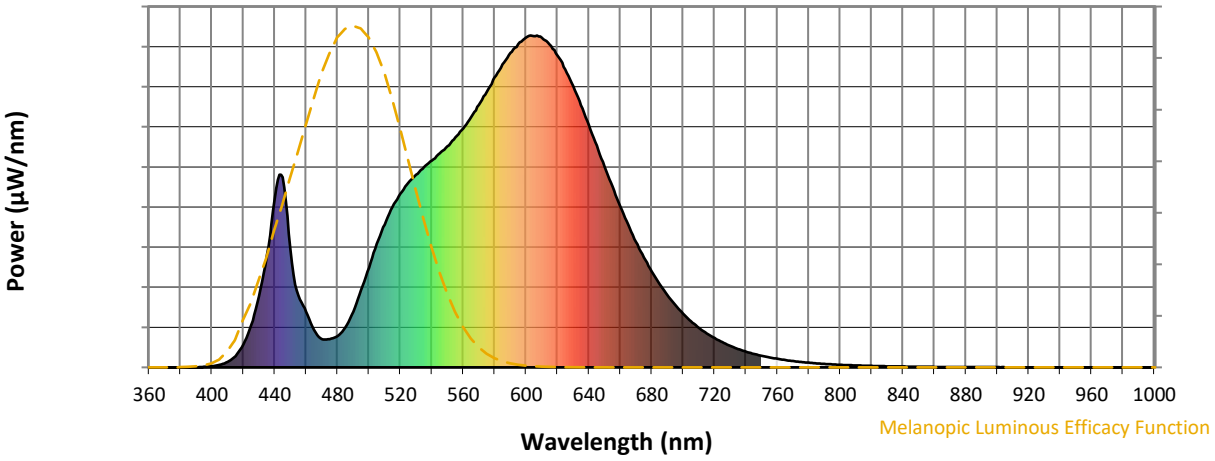
Melanopic Flux vs. Wavelength



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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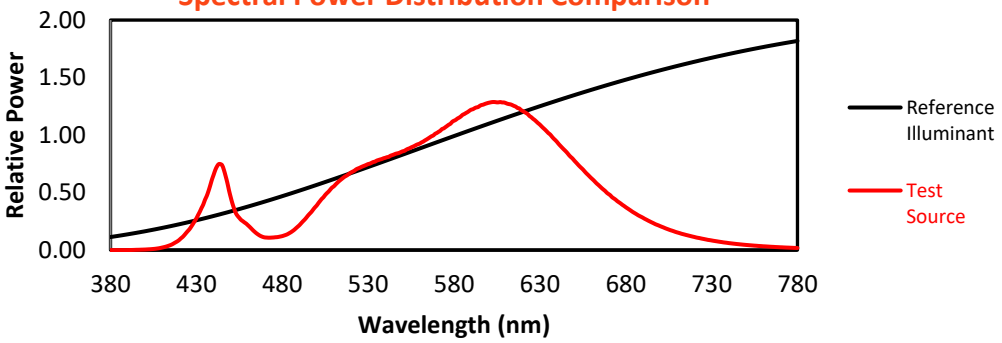
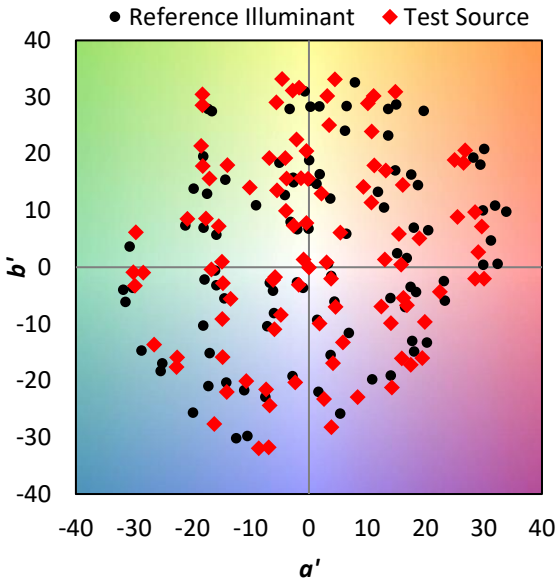
Summary

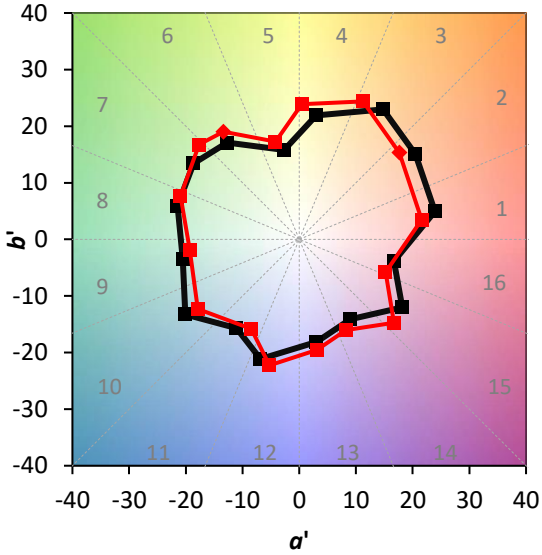
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

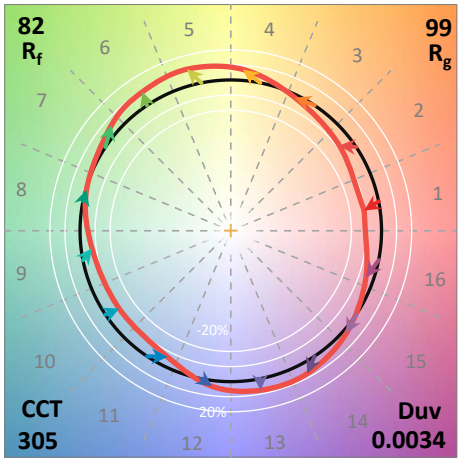
Spectral Power Distribution Comparison

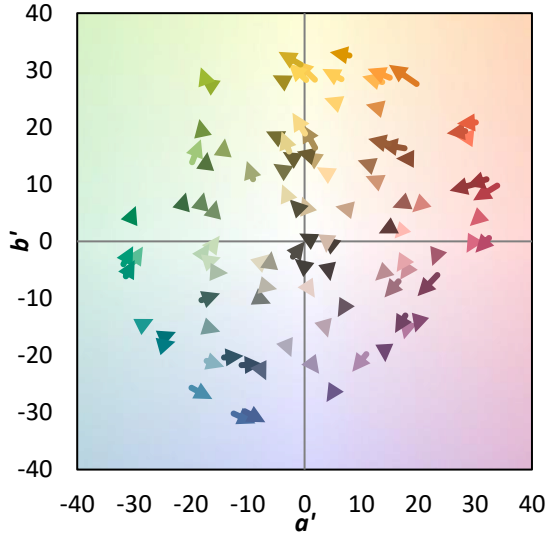


Color Vector Graphics









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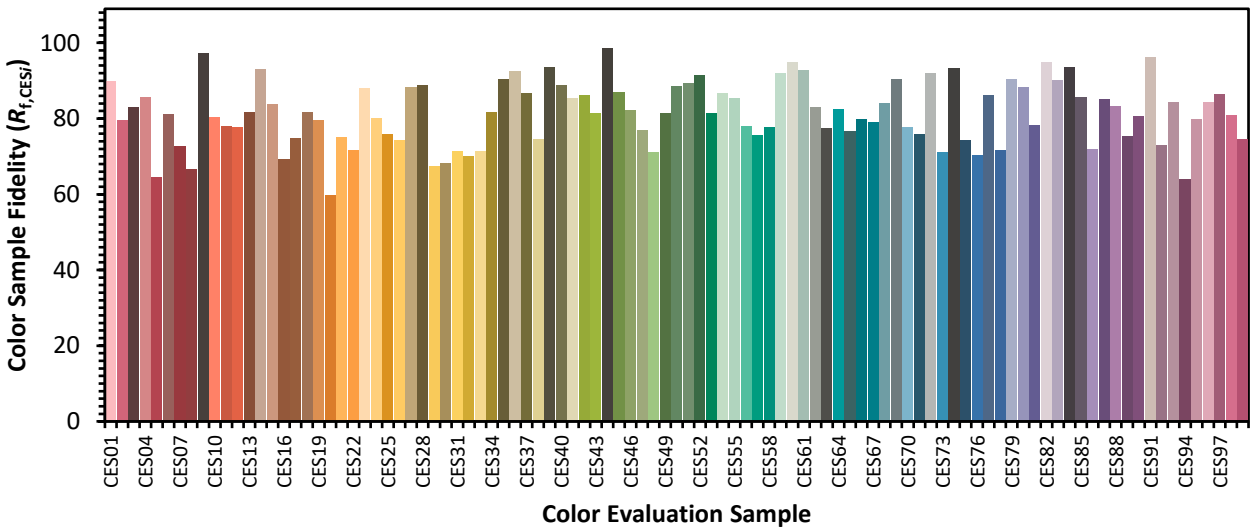
Individual Sample Fidelity Index ($R_{f,i}$)

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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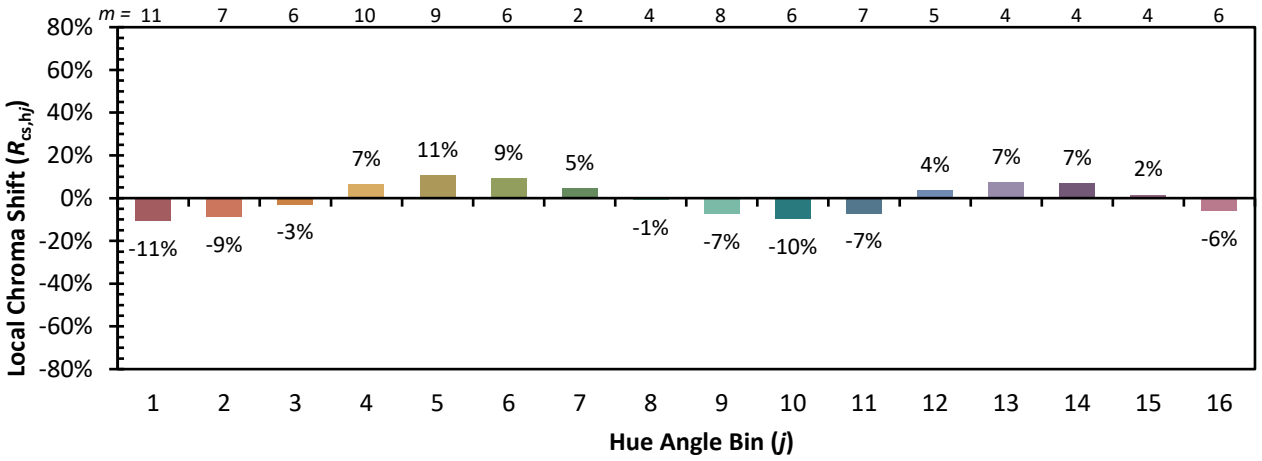
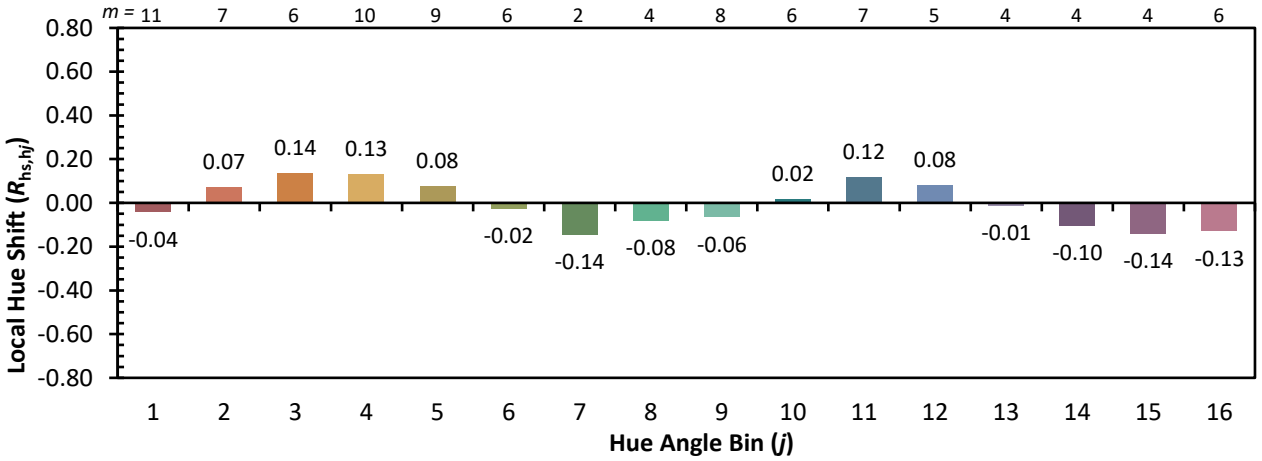
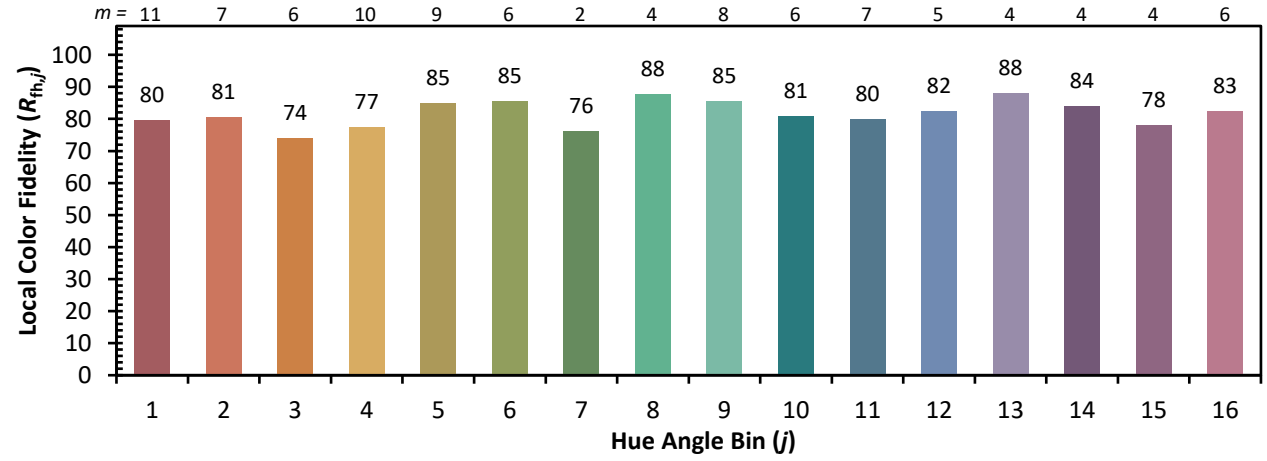
Color Rendition by Hue-Angle Bin







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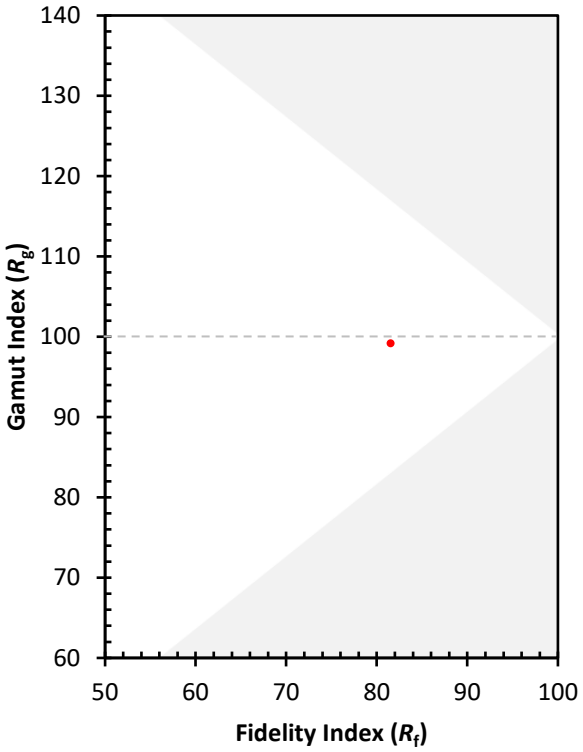
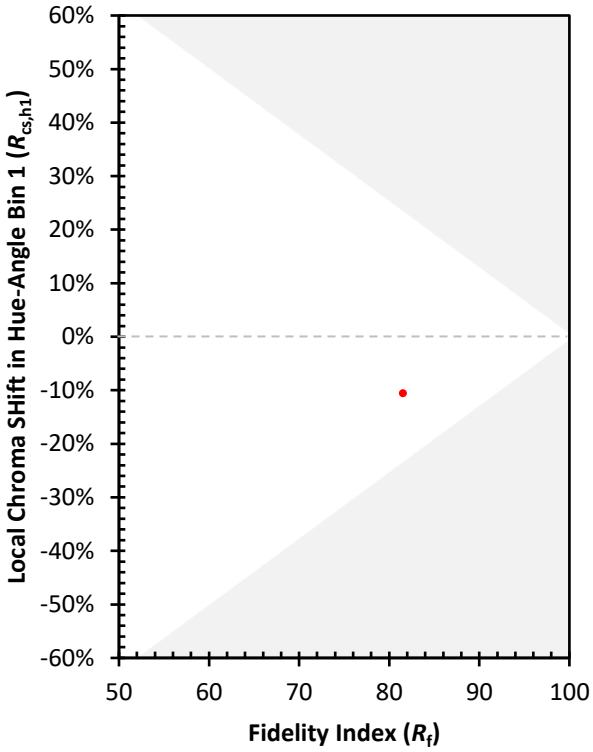
Measure Comparisons





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