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: P386963

Luminaire Tested: **GPC-SA2C-830-U-T4FT**

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:	P386963
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2C-830-U-T4FT
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11800 lumens
Efficiency:	N/A
Efficacy:	106.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	111
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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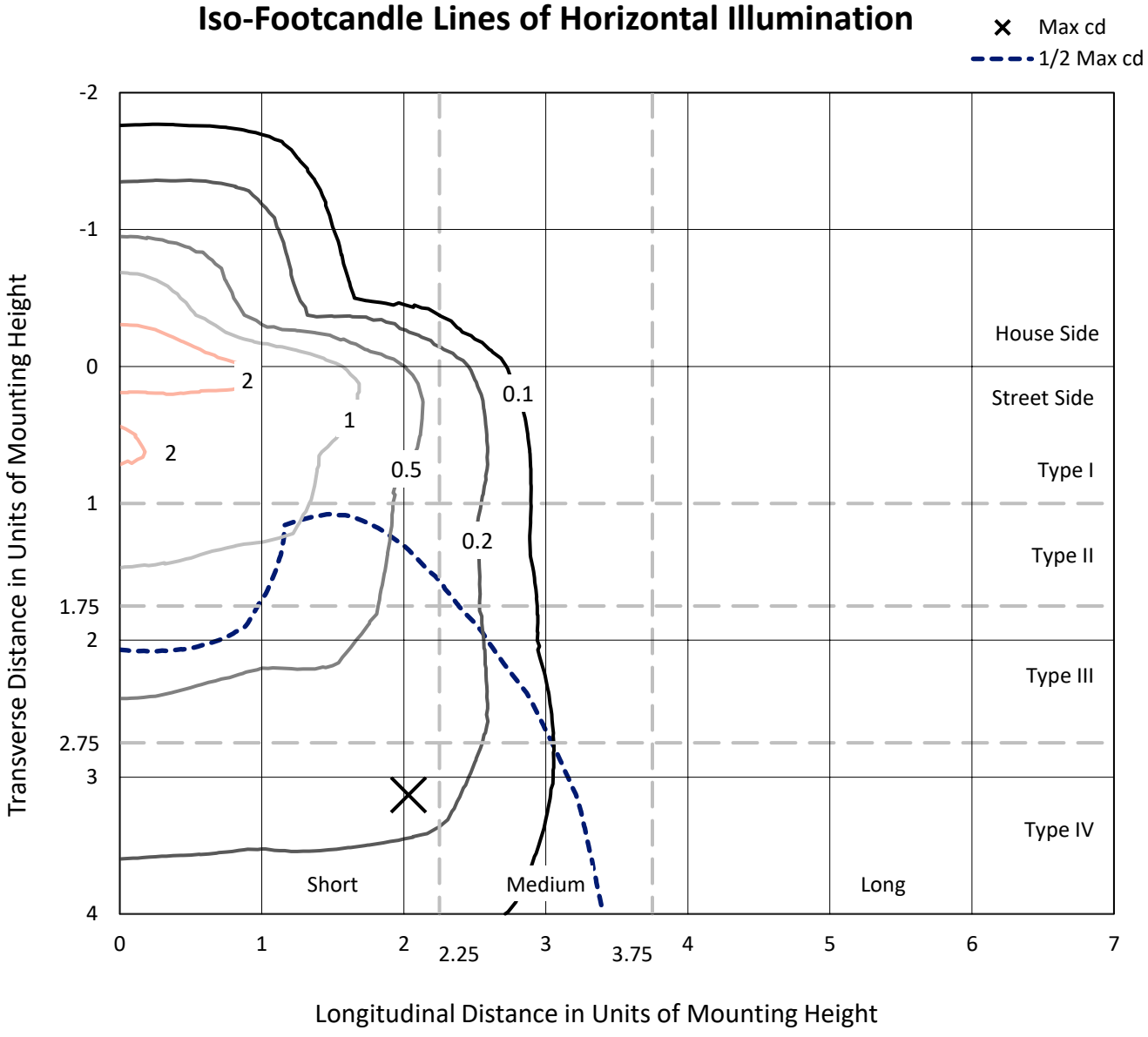
Scaled Data Report

REPORT NUMBER: P386963
CATALOG NUMBER: GPC-SA2C-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3 fc
Type IV - Short - N/A

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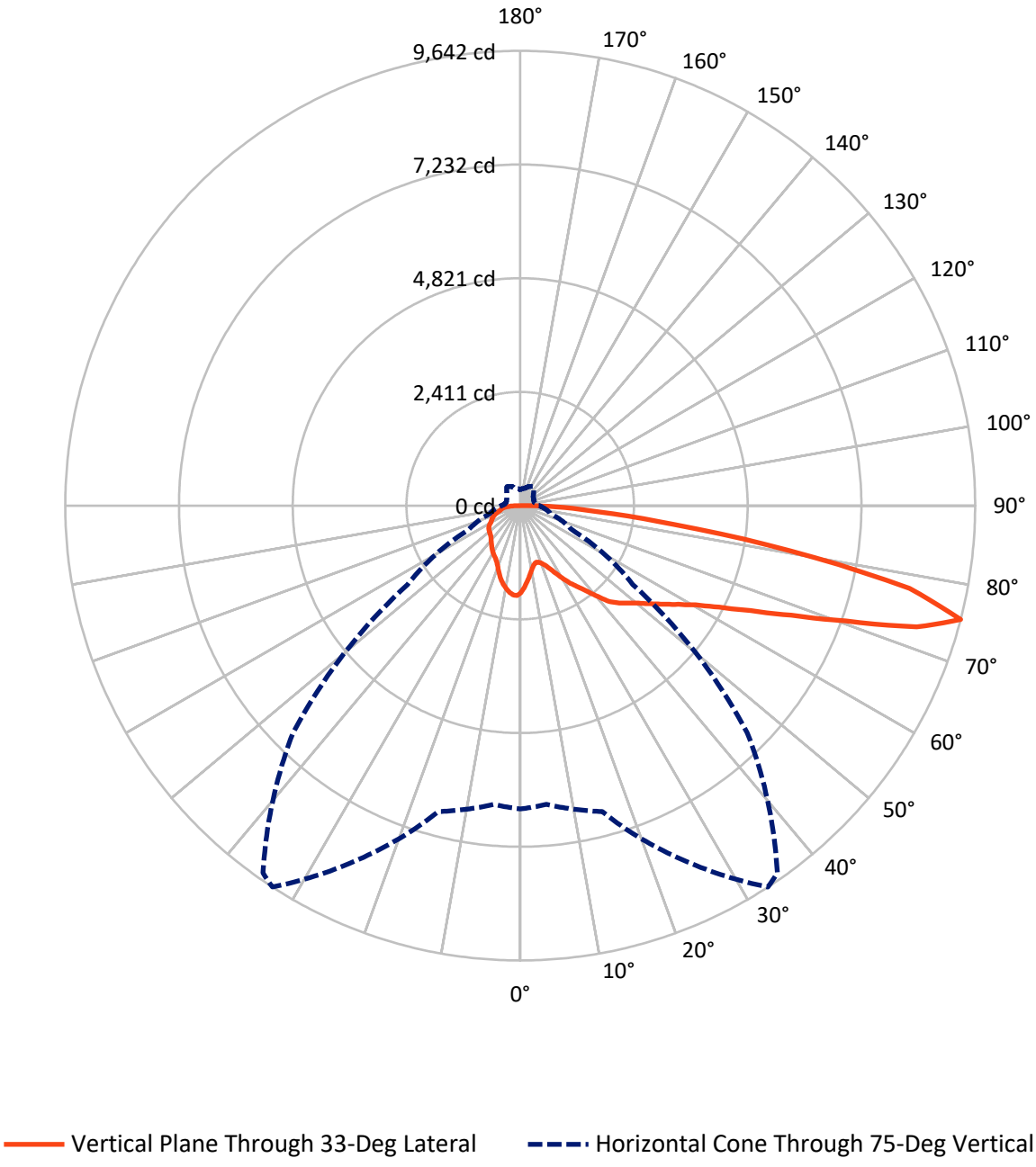
Luminous Intensity Polar Plot



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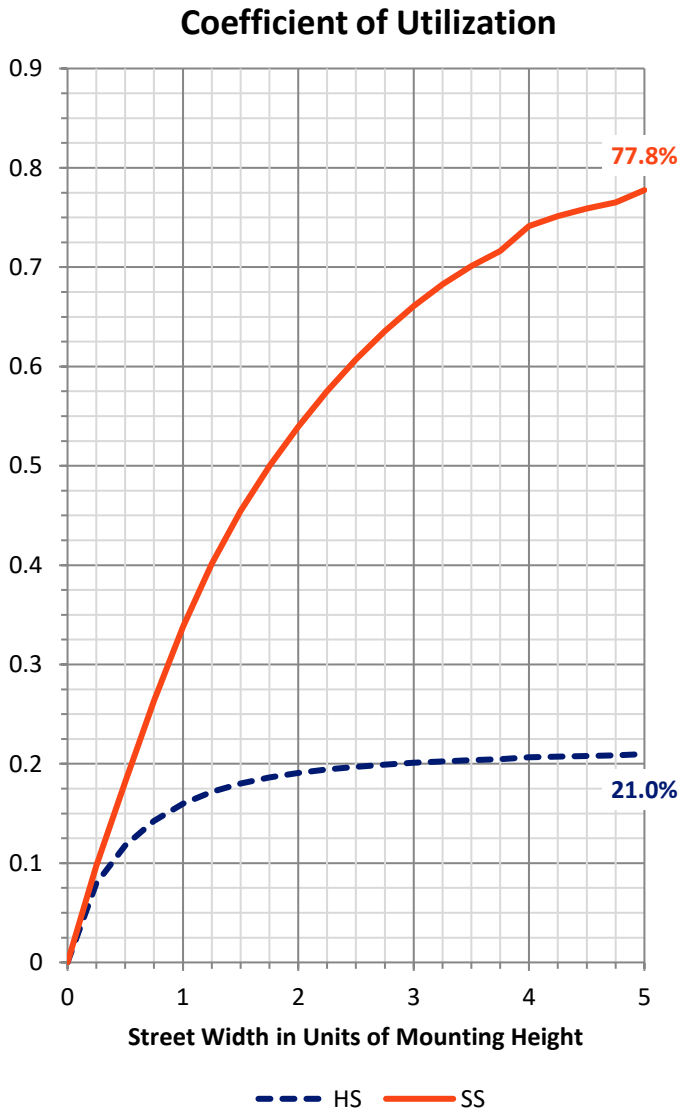
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2533.8	0.0	2533.8
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	9266.2	0.0	9266.2
	% Fixture	78.5	0.0	78.5
Total	Lumens	11800.0	0.0	11800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	1.4
10°-20°	451.8	3.8
20°-30°	737.8	6.3
30°-40°	1098.8	9.3
40°-50°	1575.9	13.4
50°-60°	2163.5	18.3
60°-70°	2708.6	23.0
70°-80°	2450.4	20.8
80°-90°	446.3	3.8
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°	11800.0	100.0
0°-180°	11800.0	100.0



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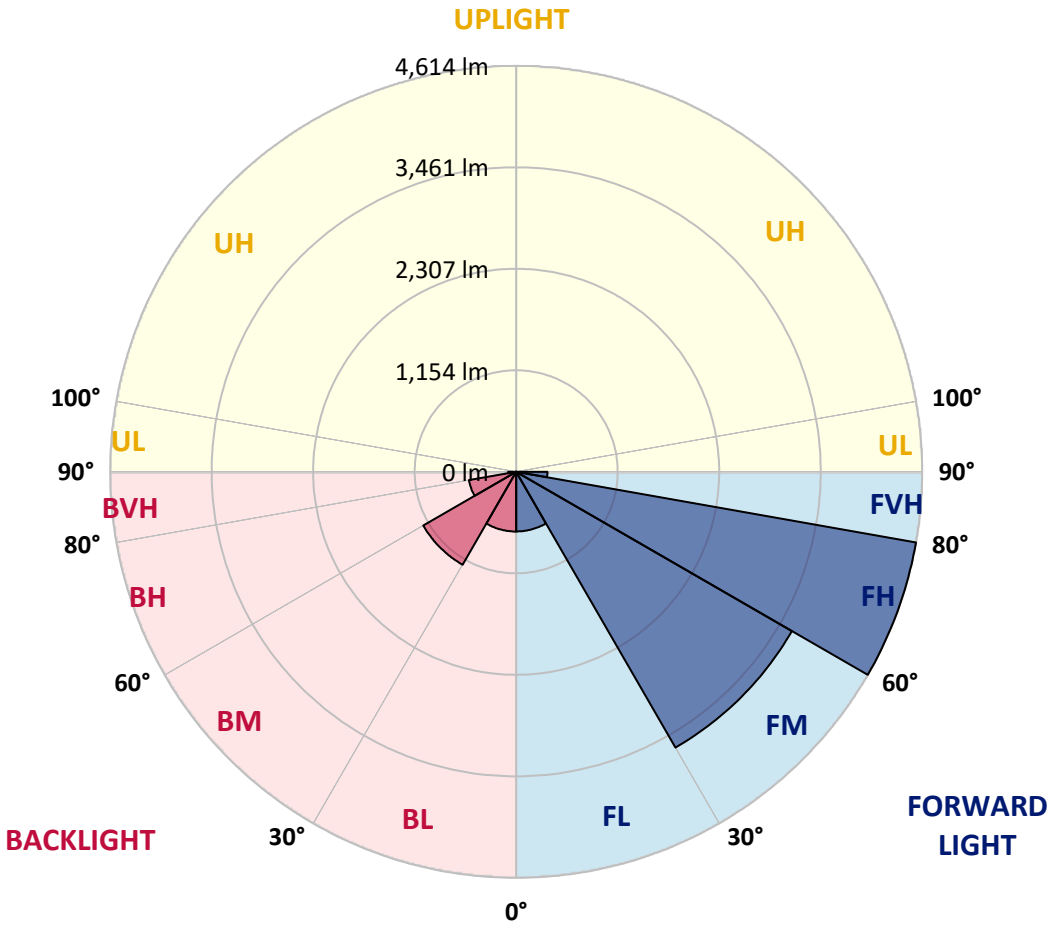
REPORT NUMBER: P386963
CATALOG NUMBER: GPC-SA2C-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	677.7	5.7			
FM	(30°-60°)	3618.8	30.7			
FH	(60°-80°)	4614.2	39.1			G2/5000
FVH	(80°-90°)	355.5	3.0			G3/500
BL	(0°-30°)	678.7	5.8	B2/1000		
BM	(30°-60°)	1219.4	10.3	B2/2500		
BH	(60°-80°)	544.8	4.6	B2/1000		G2/1000
BVH	(80°-90°)	90.9	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



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Scaled Data Report

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	1844.4	1844.4	1844.4	1844.4	1844.4	1844.4	1844.4	1844.4	1844.4	1844.4	1844.4
2.5°	1712.8	1706.2	1718.5	1720.1	1730.7	1734.8	1749.4	1772.3	1791.0	1812.6	1832.2
5°	1557.5	1553.0	1570.1	1582.3	1605.6	1615.3	1650.0	1698.5	1741.7	1790.6	1835.0
7.5°	1409.9	1407.5	1426.6	1454.3	1481.2	1494.7	1554.6	1625.1	1697.3	1776.3	1844.4
10°	1285.6	1284.8	1303.1	1330.4	1370.0	1385.0	1462.5	1555.4	1656.5	1765.3	1860.3
12.5°	1215.9	1218.7	1227.3	1250.1	1286.8	1301.9	1387.9	1497.1	1622.3	1761.7	1883.5
15°	1233.0	1237.5	1222.8	1222.0	1248.1	1259.9	1340.6	1455.6	1597.8	1767.8	1917.4
17.5°	1306.0	1306.8	1268.1	1243.6	1259.5	1265.6	1325.9	1431.9	1583.5	1781.6	1959.8
20°	1408.7	1406.6	1338.2	1297.4	1306.0	1307.6	1346.7	1432.3	1582.3	1805.7	2014.8
22.5°	1544.8	1529.7	1437.6	1382.2	1380.1	1377.7	1400.1	1462.5	1600.3	1844.8	2080.4
25°	1722.5	1708.3	1581.5	1505.7	1489.4	1483.3	1486.5	1526.9	1635.7	1886.8	2153.8
27.5°	1920.2	1895.4	1773.1	1665.9	1632.0	1623.5	1603.9	1617.8	1674.4	1927.1	2241.0
30°	2085.7	2072.3	1965.5	1838.3	1798.3	1786.1	1734.8	1719.7	1730.3	1982.2	2351.1
32.5°	2178.2	2169.3	2104.5	2001.7	1964.6	1947.5	1875.0	1844.8	1819.9	2069.0	2500.2
35°	2290.3	2284.6	2245.5	2170.9	2115.9	2097.9	2041.7	2010.3	1946.3	2188.4	2693.0
37.5°	2433.0	2426.9	2427.7	2367.4	2301.7	2285.0	2247.9	2214.9	2110.2	2345.4	2902.5
40°	2594.4	2582.6	2578.1	2575.2	2533.7	2524.3	2504.7	2459.9	2315.6	2532.8	3109.2
42.5°	2837.3	2795.3	2705.7	2739.5	2780.7	2775.8	2791.7	2727.3	2543.9	2754.6	3311.0
45°	3071.7	3002.8	2847.9	2855.3	2945.3	2972.7	3091.7	3046.0	2791.3	2997.5	3519.7
47.5°	3178.5	3126.3	2994.7	2995.1	3084.3	3141.0	3401.9	3369.3	3051.3	3273.5	3774.4
50°	3297.9	3245.7	3127.5	3172.0	3249.8	3310.1	3701.4	3684.7	3298.7	3575.5	4079.7
52.5°	3428.4	3339.9	3264.9	3344.4	3453.6	3523.7	4001.4	3955.8	3525.8	3879.6	4430.7
55°	3430.0	3405.9	3463.0	3521.3	3684.7	3770.7	4315.7	4195.1	3710.8	4178.3	4716.4
57.5°	3625.2	3586.1	3707.2	3734.1	3947.6	4044.7	4628.3	4403.3	3899.1	4407.4	4870.5
60°	3883.6	3850.2	3949.3	4020.2	4272.9	4402.5	4962.2	4617.3	4047.1	4580.2	4863.1
62.5°	4330.0	4292.1	4290.8	4390.3	4730.6	4881.5	5336.8	4827.2	4105.8	4614.5	4655.6
65°	4983.4	4923.0	4809.3	4856.6	5362.8	5513.2	5755.4	4979.3	4028.3	4431.1	4121.3
67.5°	5619.2	5617.2	5477.4	5574.4	6197.6	6318.3	6232.3	4994.4	3786.6	3792.3	3173.2
70°	6253.0	6261.2	6237.6	6575.1	7325.5	7451.0	6740.1	4791.8	3243.3	2738.7	1901.1
72.5°	6755.2	6753.2	6872.2	7742.4	8789.2	8761.0	7168.1	4177.9	2328.6	1478.4	908.5
75°	6429.9	6359.0	6713.6	8320.4	9642.3	9504.9	6804.1	2914.4	1208.5	673.0	489.1
77.5°	4193.8	4261.1	4781.6	6873.4	8434.1	8267.0	4991.9	1359.8	569.4	441.4	354.6
80°	1518.7	1589.7	2239.0	3893.4	5810.8	5783.5	2458.3	558.8	385.2	333.4	258.4
82.5°	522.5	548.6	883.3	1729.1	3280.8	3403.1	924.9	317.5	280.0	236.4	176.9
85°	205.0	234.8	403.9	831.9	1654.9	1667.1	374.6	189.9	194.8	154.9	97.0
87.5°	77.9	94.6	193.2	386.4	755.7	694.1	134.1	90.5	110.9	92.1	46.1
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: P386963
CATALOG NUMBER: GPC-SA2C-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1844.4	1844.4	1844.4	1844.4	1844.4	1844.4	1844.4	1844.4	1844.4	1844.4	1844.4
2.5°	1847.3	1855.8	1873.8	1886.0	1899.0	1902.7	1904.3	1907.6	1910.8	1909.6	1910.0
5°	1858.7	1875.4	1904.3	1916.6	1922.3	1915.7	1903.1	1892.9	1885.6	1881.5	1880.3
7.5°	1877.4	1901.1	1932.0	1930.0	1917.0	1888.0	1855.4	1831.0	1810.6	1803.2	1799.2
10°	1902.3	1930.0	1951.6	1928.4	1890.5	1840.3	1791.4	1753.5	1722.9	1711.1	1709.1
12.5°	1934.1	1962.2	1966.3	1917.0	1854.2	1785.7	1719.3	1669.1	1623.5	1608.8	1605.6
15°	1975.2	2001.7	1976.5	1897.0	1809.4	1717.2	1631.2	1563.2	1515.1	1497.1	1490.6
17.5°	2018.5	2043.7	1978.5	1864.0	1750.7	1636.1	1528.1	1458.4	1403.4	1382.6	1380.1
20°	2070.2	2081.6	1969.9	1816.7	1670.0	1531.0	1417.2	1351.6	1322.3	1307.6	1306.0
22.5°	2134.2	2122.0	1950.4	1752.7	1567.6	1409.5	1317.0	1286.4	1279.1	1275.8	1277.0
25°	2201.9	2164.4	1921.4	1669.1	1438.4	1288.0	1243.6	1252.2	1261.9	1260.7	1260.7
27.5°	2276.5	2207.6	1877.0	1558.3	1295.4	1188.6	1193.9	1225.3	1239.9	1239.5	1239.1
30°	2372.3	2256.5	1820.4	1425.0	1161.7	1118.5	1150.7	1189.0	1209.0	1208.1	1208.5
32.5°	2490.1	2310.3	1743.3	1276.2	1065.1	1066.7	1103.8	1141.7	1164.9	1162.9	1163.3
35°	2627.8	2370.6	1639.0	1129.5	1001.1	1025.5	1054.9	1081.4	1103.4	1100.5	1097.7
37.5°	2777.8	2429.7	1500.4	998.2	948.9	987.2	1011.7	1016.2	1026.3	1019.0	1013.7
40°	2920.5	2475.0	1321.9	890.6	896.3	954.6	970.5	952.6	934.2	931.8	924.4
42.5°	3044.8	2490.1	1141.3	804.6	840.9	920.4	930.2	892.7	859.6	844.1	837.6
45°	3176.0	2495.3	972.9	732.5	787.5	889.8	900.4	850.3	803.8	770.4	759.4
47.5°	3347.6	2533.7	842.1	679.1	746.7	869.4	884.5	816.4	756.1	708.4	698.2
50°	3572.2	2609.5	735.7	638.3	720.2	856.0	873.1	783.4	717.0	659.5	649.3
52.5°	3821.7	2679.2	649.7	605.3	694.6	832.3	858.4	759.8	680.3	614.3	603.3
55°	3996.1	2625.8	580.4	571.1	661.1	798.5	838.0	739.8	627.7	570.2	560.5
57.5°	4029.6	2443.2	527.8	535.6	620.8	756.1	806.6	695.4	599.2	551.1	540.9
60°	3938.3	2188.8	488.7	503.0	577.6	702.7	748.0	664.0	571.9	530.7	522.1
62.5°	3708.8	1928.4	459.8	473.6	537.2	648.5	711.3	631.0	544.2	507.5	498.9
65°	3245.3	1619.0	432.1	447.5	499.7	601.6	678.3	600.4	516.8	488.7	480.6
67.5°	2449.7	1212.6	406.0	419.8	466.3	560.9	642.4	570.2	490.3	472.4	462.6
70°	1442.5	759.4	376.2	390.9	431.2	518.5	604.1	537.2	457.3	449.2	436.5
72.5°	671.3	456.9	342.4	356.7	387.2	461.8	554.7	494.0	418.2	400.3	383.1
75°	*400.7*	*334.2*	*302.4*	*315.1*	*336.7*	*401.5*	*492.8*	*450.0*	*381.1*	*357.5*	*339.5*
77.5°	299.6	255.6	258.4	271.9	289.4	351.4	436.5	415.3	352.6	334.2	322.0
80°	215.6	194.0	210.7	225.4	243.7	319.6	418.2	384.0	318.7	294.3	282.9
82.5°	143.9	139.4	158.6	173.6	191.6	279.6	392.9	336.3	272.3	241.3	216.0
85°	79.5	84.0	106.8	113.3	128.8	196.9	322.0	270.2	205.0	165.1	157.7
87.5°	33.0	38.7	57.5	55.4	68.5	117.4	212.0	163.0	130.4	97.4	75.8
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

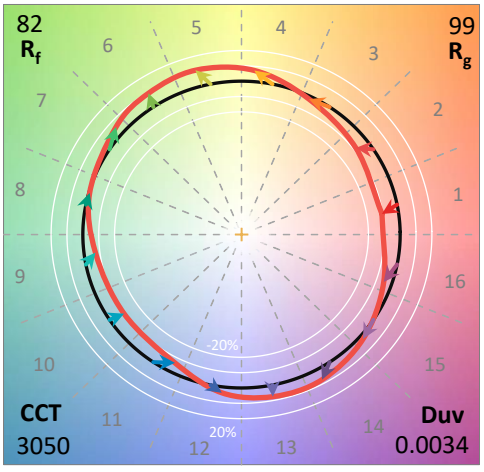
Test Information

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

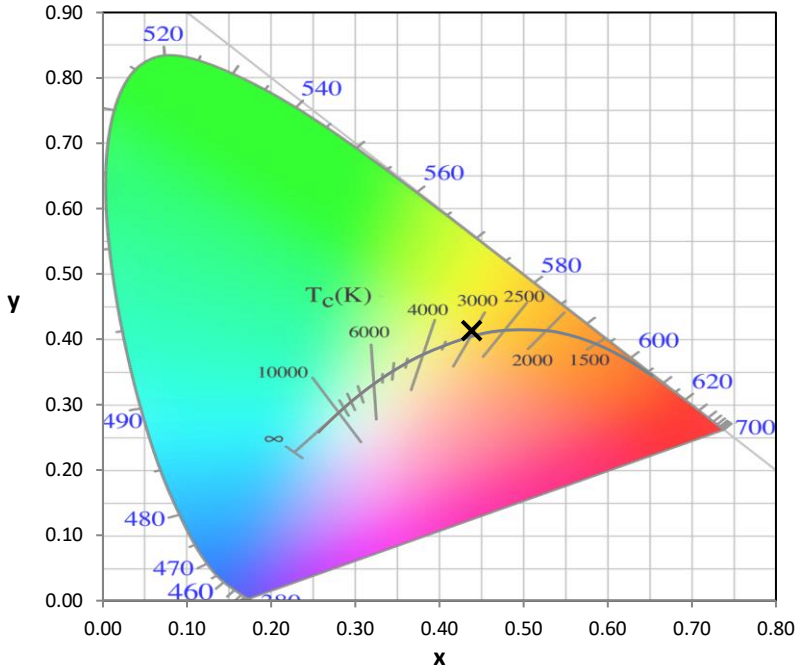
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

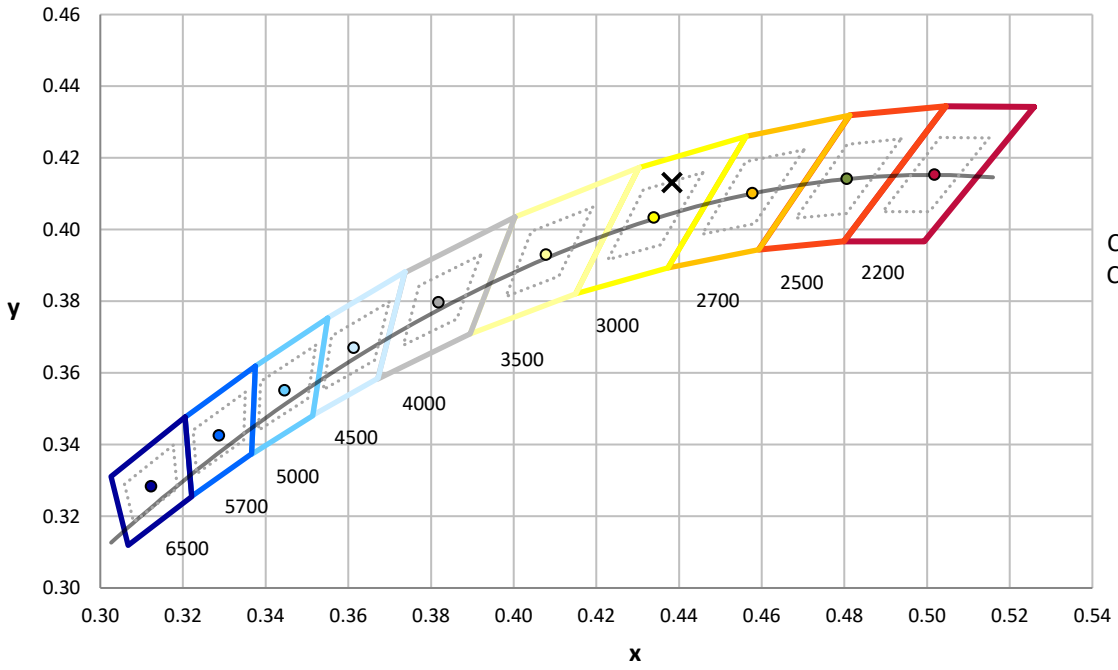
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

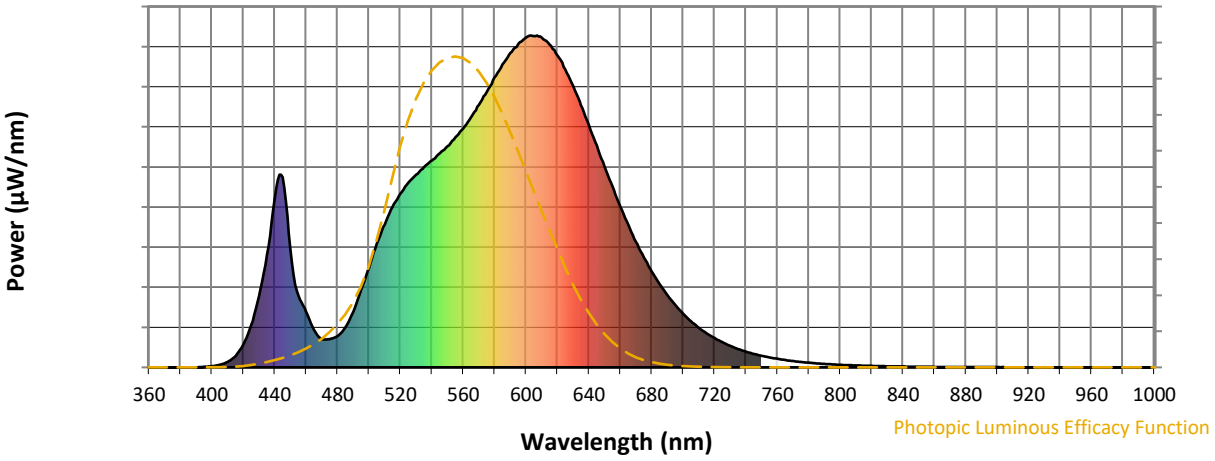


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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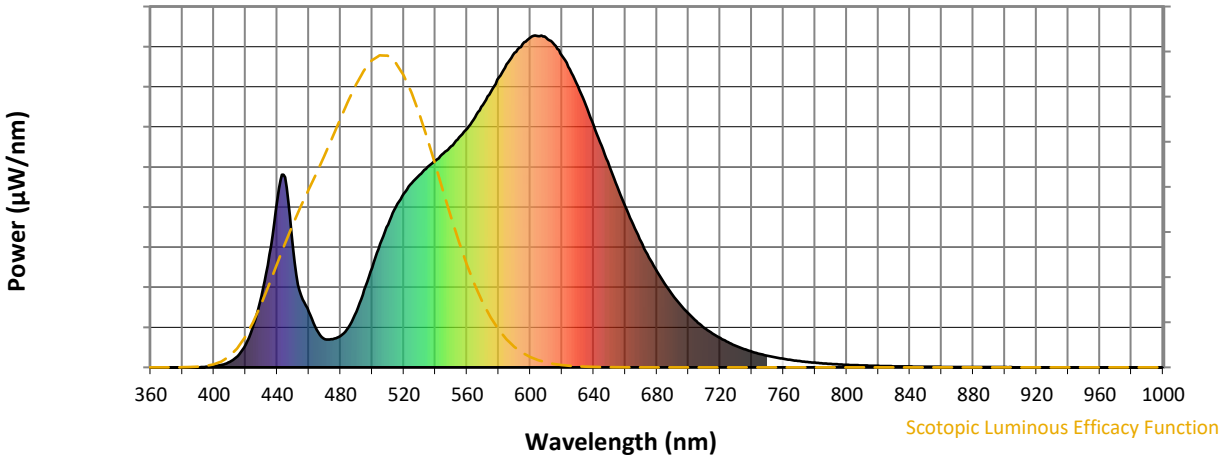
Scotopic Flux vs. Wavelength



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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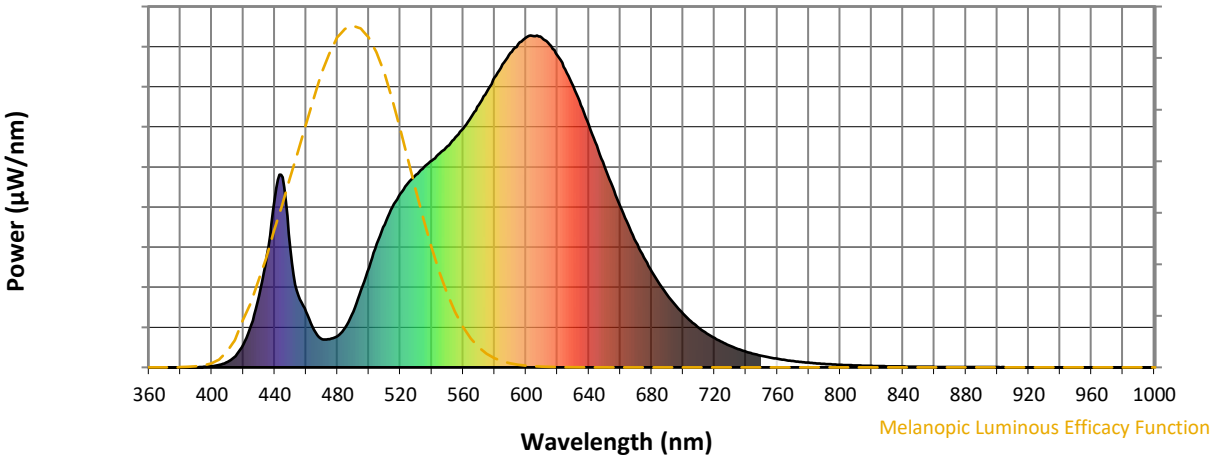
Melanopic Flux vs. Wavelength



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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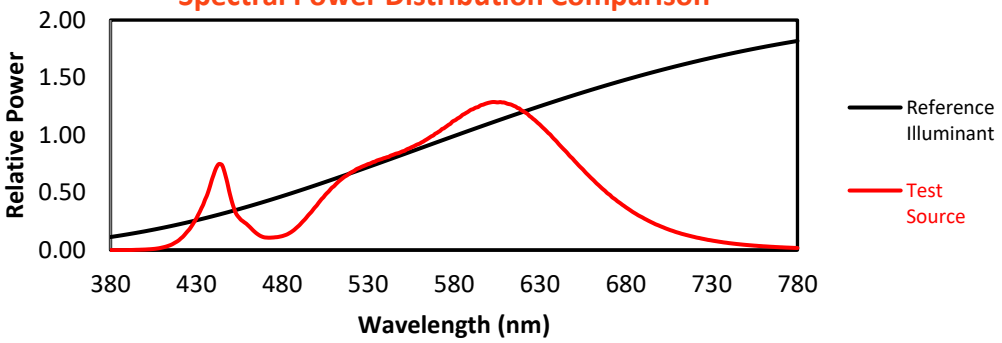
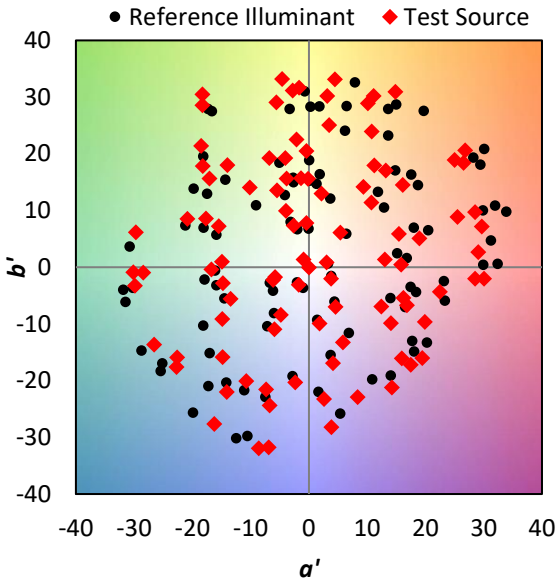
Summary

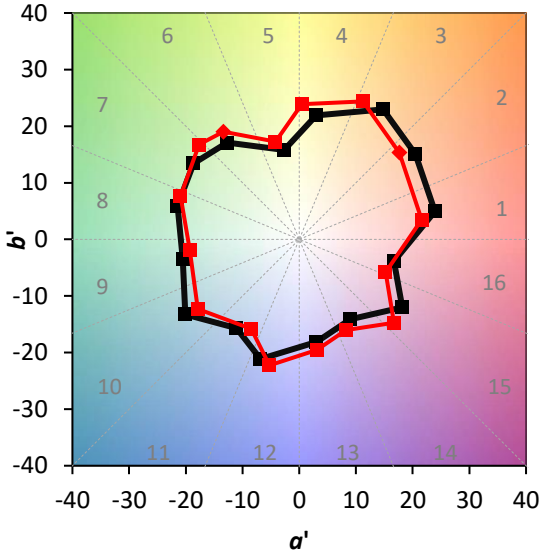
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

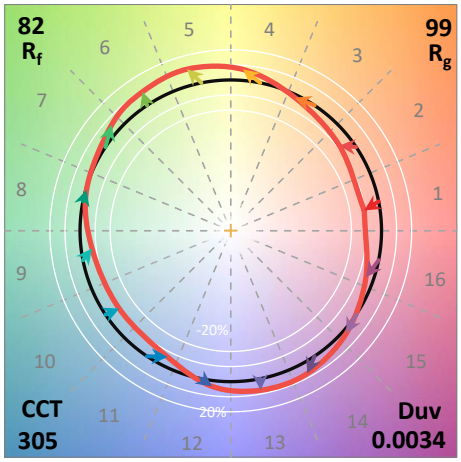
Spectral Power Distribution Comparison

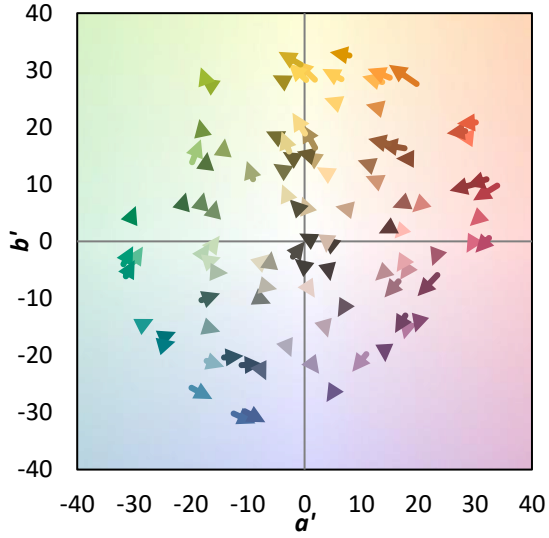


Color Vector Graphics









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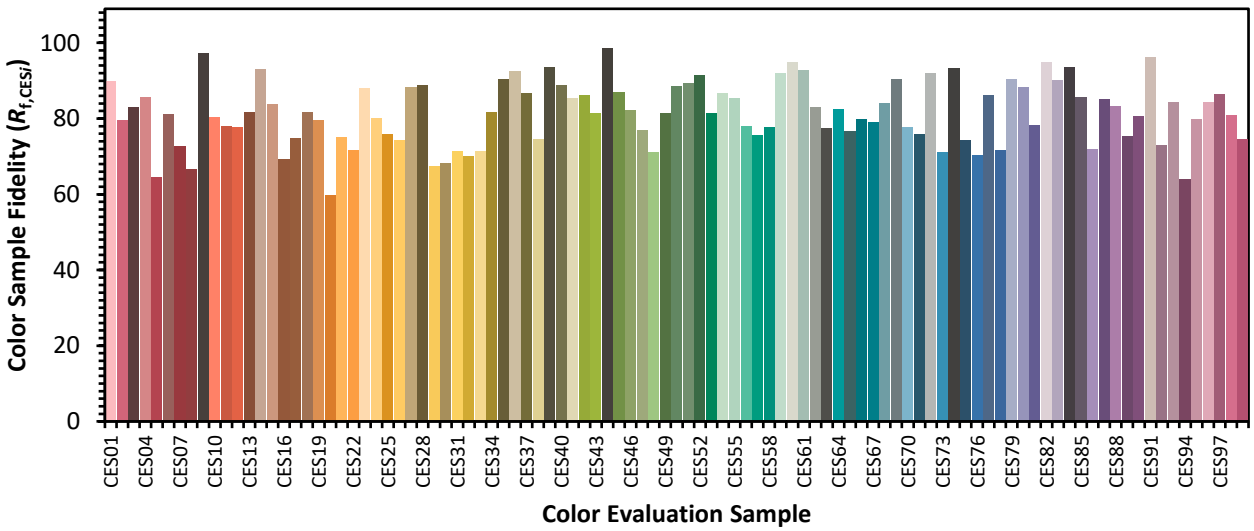
Individual Sample Fidelity Index ($R_{f,i}$)

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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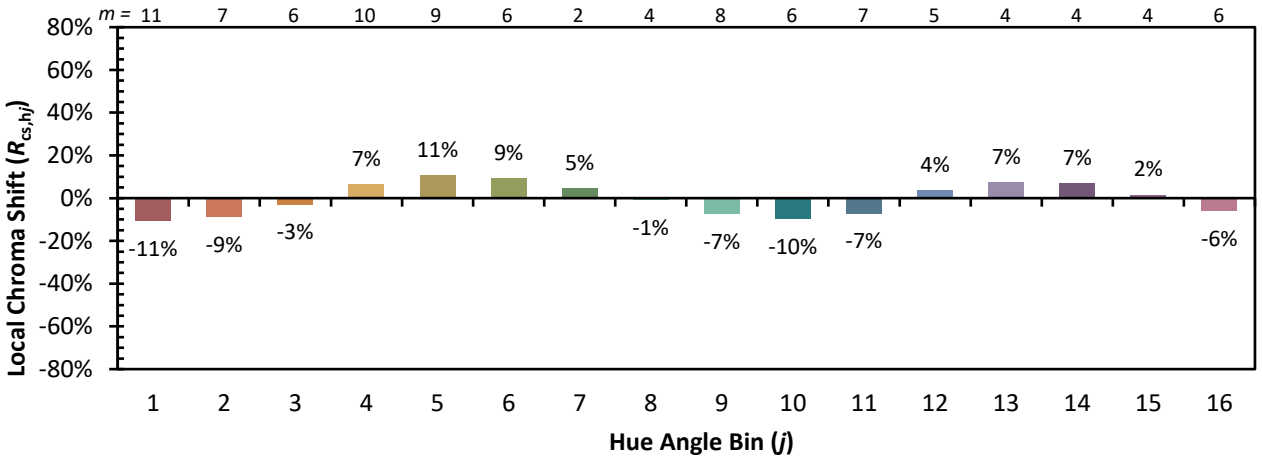
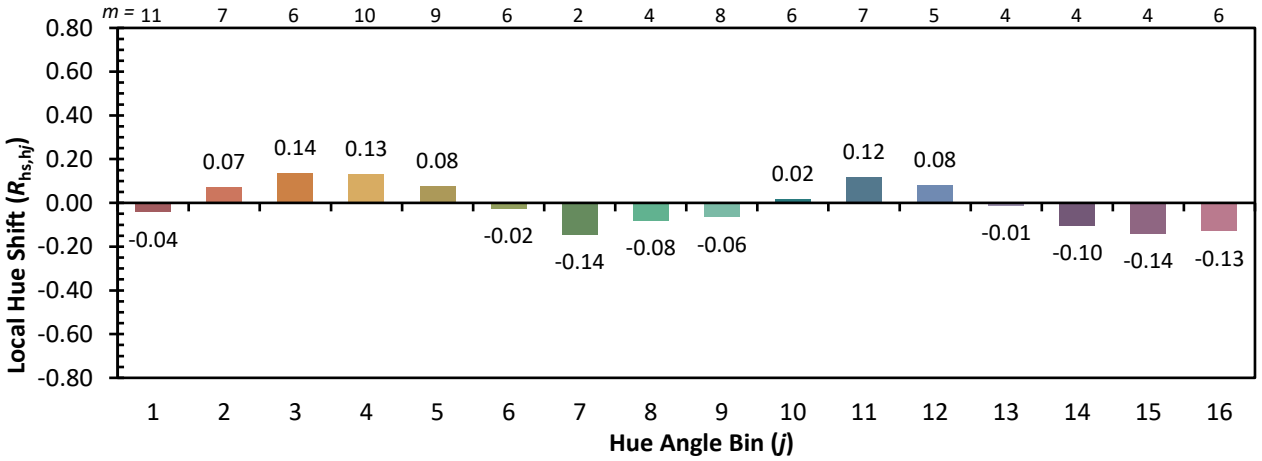
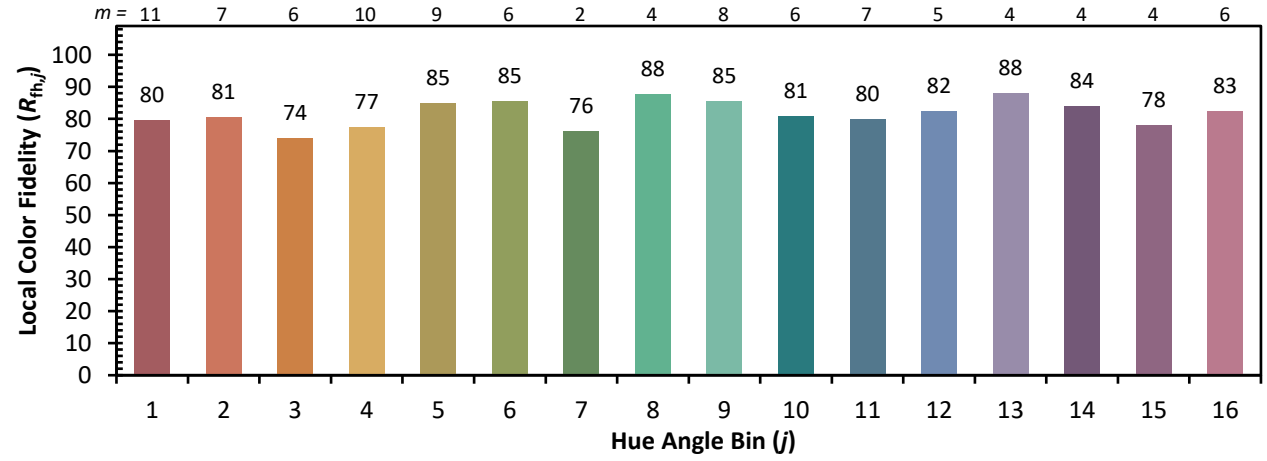
Color Rendition by Hue-Angle Bin







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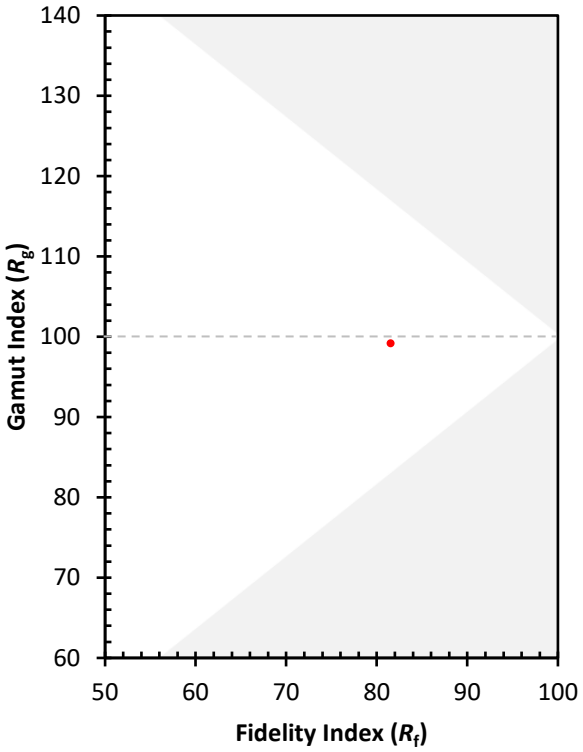
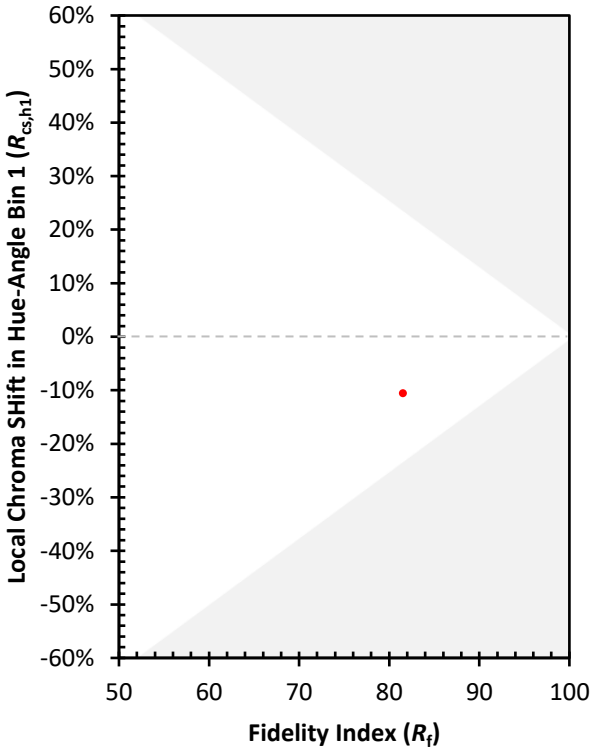
Measure Comparisons





(END OF REPORT)