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: P386498

Luminaire Tested: **GPC-SA2A-830-U-SL3-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:	P386498
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2A-830-U-SL3-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6603 lumens
Efficiency:	N/A
Efficacy:	100.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
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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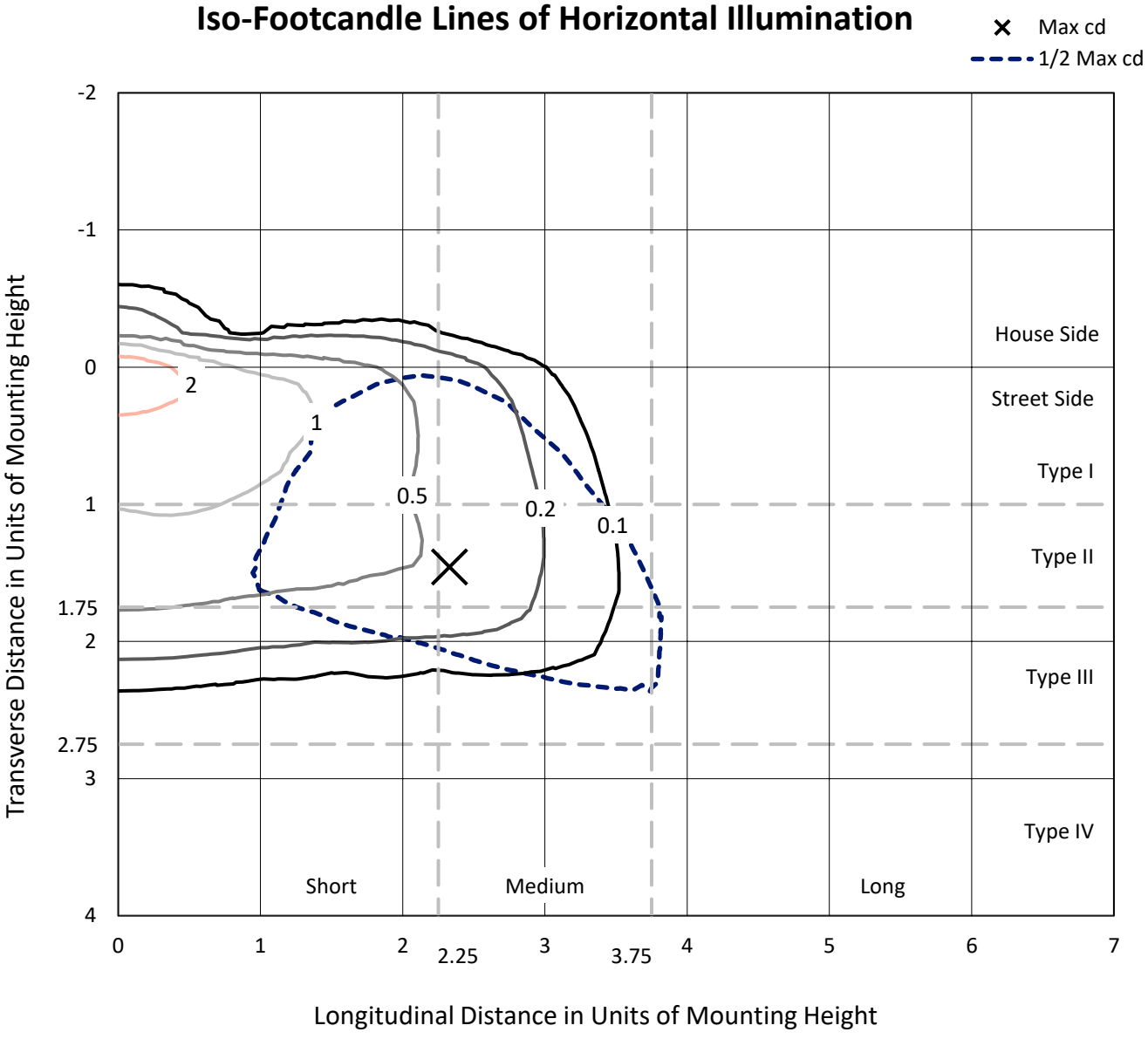
Scaled Data Report

REPORT NUMBER: P386498
CATALOG NUMBER: GPC-SA2A-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
Type III - Medium - N/A

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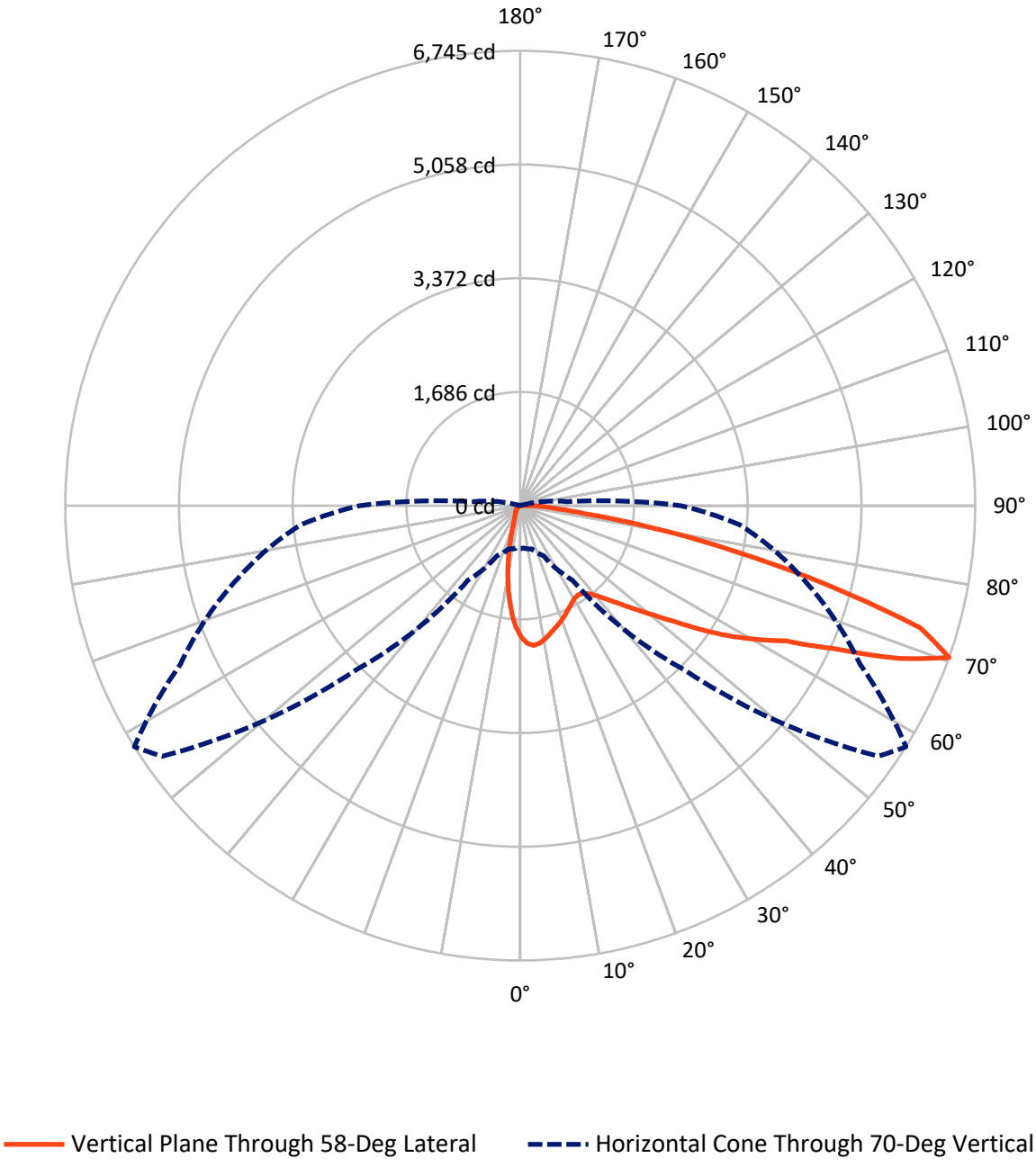
Luminous Intensity Polar Plot



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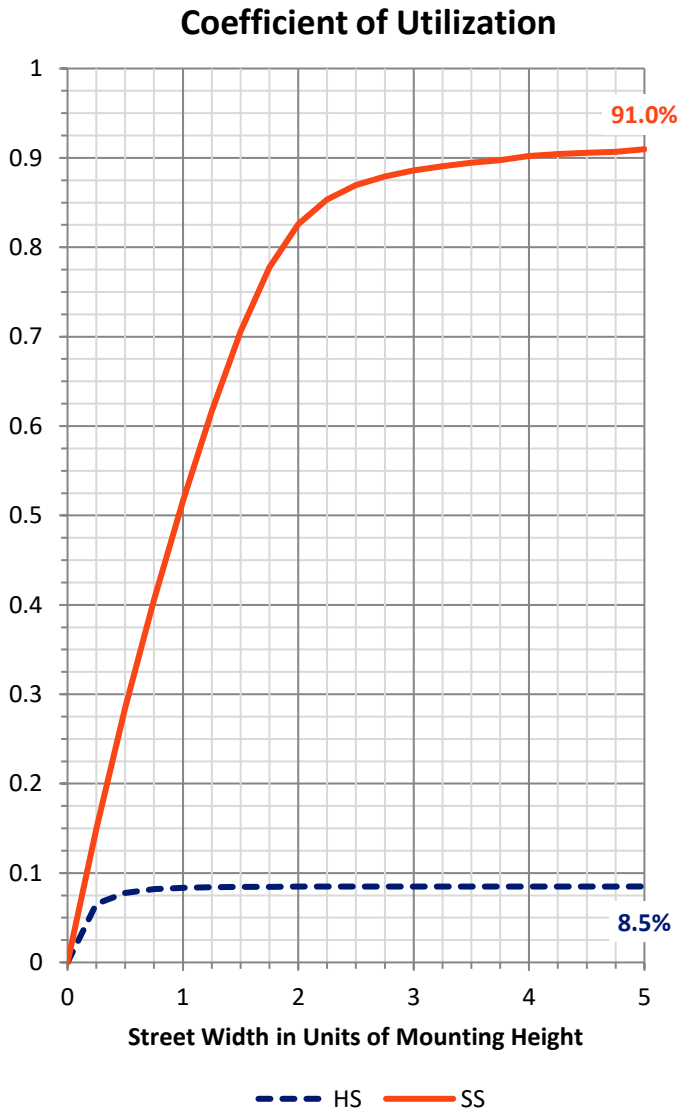
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	565.1	0.0	565.1
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	6037.9	0.0	6037.9
	% Fixture	91.4	0.0	91.4
Total	Lumens	6603.0	0.0	6603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	2.4
10°-20°	334.8	5.1
20°-30°	440.1	6.7
30°-40°	582.8	8.8
40°-50°	871.2	13.2
50°-60°	1395.6	21.1
60°-70°	1759.1	26.6
70°-80°	948.9	14.4
80°-90°	111.1	1.7
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°	6603.0	100.0
0°-180°	6603.0	100.0



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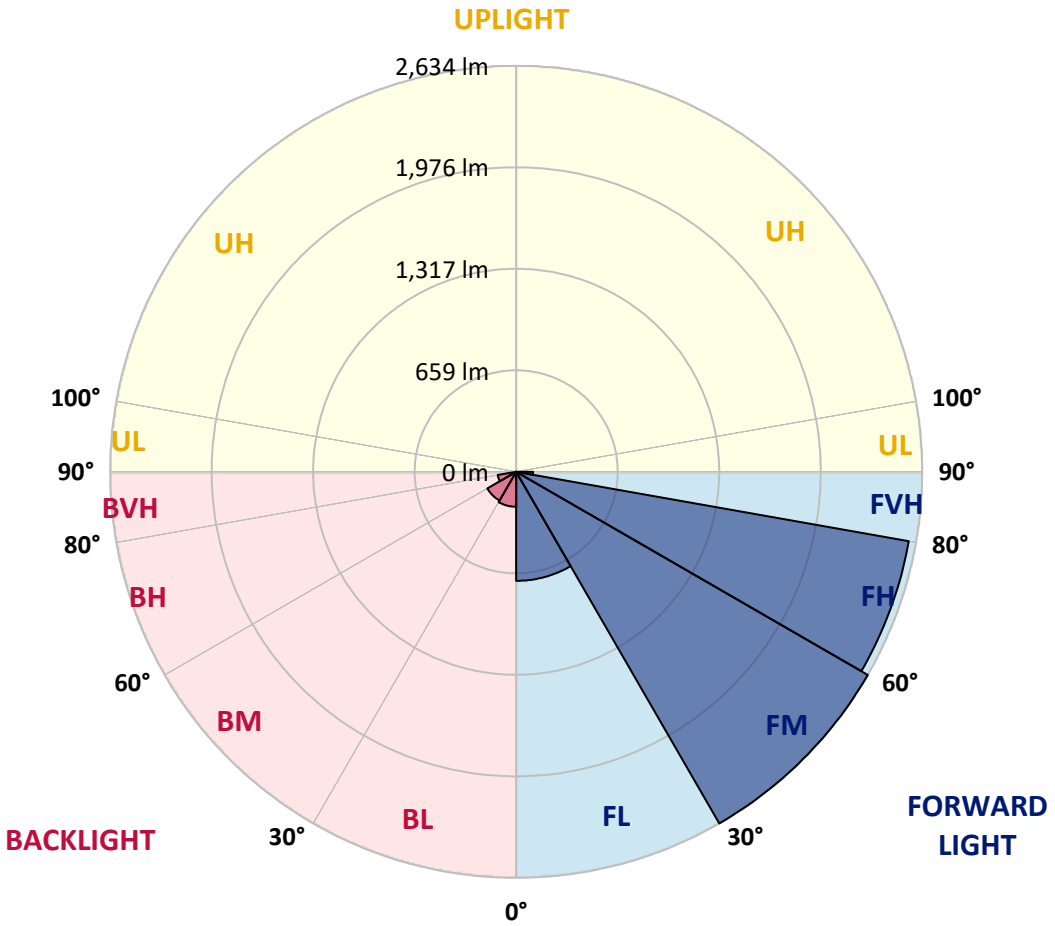
REPORT NUMBER: P386498
CATALOG NUMBER: GPC-SA2A-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	707.3	10.7			
FM	(30°-60°)	2634.0	39.9			
FH	(60°-80°)	2586.5	39.2			G2/5000
FVH	(80°-90°)	110.1	1.7			G2/225
BL	(0°-30°)	227.0	3.4	B1/500		
BM	(30°-60°)	215.6	3.3	B0/220		
BH	(60°-80°)	121.5	1.8	B1/500		G1/500
BVH	(80°-90°)	1.0	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-G2
Type III Medium



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REPORT NUMBER: P386498
CATALOG NUMBER: GPC-SA2A-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1950.5	1950.5	1950.5	1950.5	1950.5	1950.5	1950.5	*1950.5*	1950.5	1950.5	1950.5
2.5°	2112.2	2107.0	2105.1	2101.8	2089.1	2076.8	2052.4	*2045.5*	2030.1	1993.6	1954.9
5°	2113.9	2113.6	2119.4	2118.0	2113.6	2107.8	2090.2	*2081.2*	2055.1	2002.9	1932.1
7.5°	2012.0	2017.2	2030.1	2040.6	2052.6	2068.3	2070.5	*2061.7*	2040.3	1984.0	1890.1
10°	1875.3	1883.5	1901.6	1922.2	1953.8	1985.1	2013.1	*2012.0*	2004.6	1949.1	1839.6
12.5°	1738.3	1747.9	1768.7	1799.2	1844.0	1895.0	1945.0	*1951.9*	1964.2	1917.8	1792.9
15°	1618.3	1626.5	1647.1	1684.4	1739.9	1808.5	1881.9	*1894.5*	1926.3	1893.4	1753.9
17.5°	1516.4	1521.6	1536.7	1578.2	1642.4	1725.6	1820.9	*1845.6*	1893.1	1874.2	1720.1
20°	1445.3	1446.1	1456.0	1485.1	1549.4	1642.4	1757.8	*1793.2*	1858.0	1857.7	1685.3
22.5°	1410.2	1407.4	1409.3	1426.1	1473.3	1563.1	1694.6	*1736.6*	1826.4	1843.7	1649.8
25°	1403.6	1401.4	1395.9	1398.1	1426.6	1493.6	1630.9	*1679.5*	1798.7	1835.2	1619.1
27.5°	1424.2	1426.4	1417.0	1407.1	1409.3	1448.6	1574.3	*1630.6*	1776.1	1835.2	1597.4
30°	1465.6	1466.7	1459.9	1446.9	1429.6	1436.0	1535.1	*1591.4*	1764.9	1847.8	1583.7
32.5°	1511.5	1517.5	1516.7	1506.3	1481.5	1456.0	1525.7	*1577.1*	1764.1	1875.8	1582.3
35°	1568.3	1575.2	1586.7	1584.5	1558.7	1516.7	1557.6	*1598.0*	1780.3	1921.9	1597.1
37.5°	1628.7	1639.1	1663.9	1675.7	1658.9	1611.4	1629.0	*1657.8*	1823.6	1996.6	1634.7
40°	1687.2	1699.0	1744.0	1790.4	1777.8	1728.9	1737.2	*1760.2*	1900.8	2104.0	1706.1
42.5°	1744.6	1762.1	1828.3	1904.6	1919.7	1880.8	1885.1	*1903.5*	2015.3	2251.7	1822.8
45°	1813.2	1833.0	1931.0	2025.2	2065.5	2048.5	2067.2	*2079.3*	2164.9	2446.9	1980.1
47.5°	1914.0	1936.8	2057.0	2164.4	2235.2	2246.2	2283.8	*2291.8*	2354.1	2674.2	2185.2
50°	2110.6	2116.9	2225.6	2323.1	2425.2	2491.1	2533.9	*2540.0*	2583.1	2922.7	2441.4
52.5°	2357.9	2362.1	2423.6	2488.9	2605.1	2739.6	2839.8	*2848.3*	2857.4	3164.9	2694.3
55°	2603.7	2603.1	2643.8	2682.2	2815.1	3010.6	3228.0	*3233.3*	3168.2	3394.7	2887.6
57.5°	2757.2	2772.0	2833.8	2883.2	3068.8	3319.5	3621.2	*3640.4*	3494.6	3564.9	3078.7
60°	2708.3	2715.4	2852.4	3035.3	3384.8	3758.5	4019.1	*4024.0*	3740.1	3734.9	3320.3
62.5°	2307.4	2311.3	2526.5	2903.5	3544.9	4327.9	4499.0	*4418.5*	4022.3	3970.7	3609.4
65°	1581.5	1606.5	1786.3	2252.2	3250.8	4685.1	5242.0	*5108.8*	4452.6	4310.6	3870.8
67.5°	931.3	926.1	1015.1	1358.3	2387.6	4447.9	6181.8	*6049.4*	5039.3	4538.3	3794.2
70°	*636.2*	*632.6*	*666.6*	*822.3*	*1347.8*	*3450.4*	*6477.5*	*6744.6*	*5557.4*	*4385.0*	*3265.4*
72.5°	454.1	456.0	506.3	638.9	846.2	2010.3	5570.3	*6202.7*	5395.2	3822.7	2482.0
75°	308.3	313.6	385.5	524.1	741.9	1022.7	3952.9	*4715.1*	4393.3	2778.3	1426.6
77.5°	165.8	171.6	256.4	422.3	670.8	710.6	2542.7	*3245.1*	2759.6	1249.0	413.5
80°	69.2	72.5	120.0	307.0	579.6	624.1	1496.1	*1967.8*	1176.0	246.3	92.3
82.5°	29.9	31.6	50.0	183.1	433.3	526.9	792.1	*946.7*	356.4	54.1	46.4
85°	5.8	6.0	20.6	96.9	276.5	297.4	513.4	*503.3*	160.1	23.3	33.8
87.5°	0.0	0.0	4.9	30.5	81.3	162.0	313.3	*309.4*	54.4	11.3	12.6
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: P386498
CATALOG NUMBER: GPC-SA2A-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1950.5	1950.5	1950.5	1950.5	1950.5	1950.5	1950.5	1950.5	1950.5	1950.5	1950.5
2.5°	1935.1	1916.2	1876.4	1827.2	1789.6	1748.1	1715.2	1673.5	1655.3	1656.2	1646.3
5°	1891.7	1852.8	1764.6	1653.4	1567.8	1479.3	1403.3	1327.5	1282.8	1268.2	1254.5
7.5°	1829.7	1767.9	1627.3	1456.0	1311.0	1169.4	1046.1	937.6	869.0	835.5	823.1
10°	1759.7	1672.9	1469.5	1243.8	1036.7	845.1	685.3	546.4	490.9	453.3	443.7
12.5°	1698.2	1580.7	1315.2	1026.0	780.3	549.1	396.7	310.3	272.6	257.8	255.3
15°	1640.2	1494.4	1166.6	828.9	540.3	338.0	252.3	222.9	214.2	211.7	211.7
17.5°	1585.6	1412.4	1021.4	634.8	357.5	236.9	208.9	202.4	199.6	199.3	199.6
20°	1528.5	1330.3	878.6	465.1	249.6	200.7	193.0	189.4	188.6	188.6	188.6
22.5°	1473.9	1248.2	739.7	332.2	200.2	183.1	179.3	176.8	176.0	175.7	175.2
25°	1421.4	1170.2	604.0	234.8	175.7	167.8	164.5	161.2	158.7	157.3	156.5
27.5°	1378.3	1100.7	477.7	188.4	158.7	151.8	147.7	142.8	136.7	134.0	132.9
30°	1344.0	1037.3	368.2	159.0	142.8	135.9	129.6	121.1	112.3	107.6	107.4
32.5°	1317.1	975.0	279.5	140.6	128.5	120.0	110.9	100.2	90.1	84.8	84.6
35°	1303.9	920.1	213.6	127.1	115.9	105.2	93.9	82.1	72.2	67.3	66.7
37.5°	1312.7	873.7	166.7	115.9	105.2	92.8	79.6	67.3	58.5	54.1	53.8
40°	1344.8	844.0	135.4	106.3	96.1	81.0	66.7	55.2	47.8	44.2	43.9
42.5°	1413.2	833.0	115.6	98.3	87.3	70.0	55.5	45.6	38.7	36.2	35.7
45°	1527.4	849.2	102.1	90.6	78.3	59.6	45.9	37.3	31.3	29.4	29.1
47.5°	1679.5	891.8	92.5	83.2	70.0	50.2	38.2	30.2	25.5	23.6	23.3
50°	1875.5	959.3	84.6	75.8	62.3	42.6	31.6	23.9	19.8	18.4	18.4
52.5°	2088.9	1039.8	77.4	68.9	54.6	35.4	25.5	18.4	15.7	14.0	14.0
55°	2265.1	1110.1	69.7	63.7	45.3	29.4	19.5	14.0	11.5	10.7	10.7
57.5°	2441.1	1185.0	61.0	54.6	36.2	23.9	14.8	10.4	8.5	8.0	8.0
60°	2669.3	1276.7	52.4	44.5	28.6	18.1	11.0	7.4	6.3	6.0	6.0
62.5°	2920.3	1330.5	44.8	35.7	22.2	13.5	8.0	4.9	4.7	4.7	4.4
65°	3073.7	1254.5	37.6	28.6	17.3	10.2	5.2	3.6	4.1	3.8	3.3
67.5°	2878.0	982.1	30.8	22.2	13.5	7.7	3.3	2.5	4.4	3.6	2.7
70°	*2382.9*	*687.5*	*23.9*	*15.7*	*10.7*	*6.6*	*2.2*	*1.6*	*4.7*	*3.6*	*2.2*
72.5°	1783.3	460.2	18.9	10.4	8.0	5.8	1.9	0.8	4.1	3.0	1.9
75°	974.4	185.3	15.1	6.6	4.9	4.1	1.4	0.5	2.7	2.2	1.4
77.5°	256.4	48.9	11.0	4.4	2.7	1.6	0.8	0.3	1.4	1.1	0.5
80°	65.3	18.9	7.1	3.0	1.9	0.8	0.0	0.0	0.3	0.0	0.0
82.5°	34.9	8.0	4.4	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	26.4	5.2	2.5	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.2	1.6	0.8	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

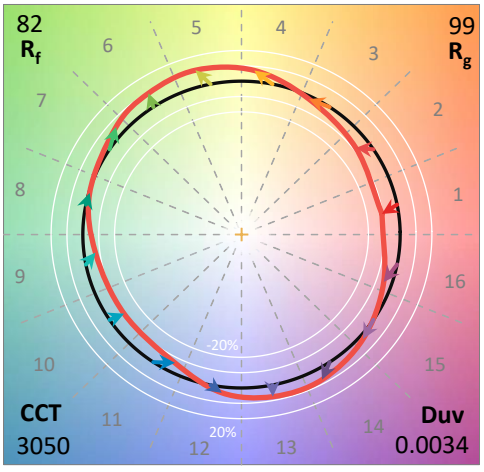
Test Information

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

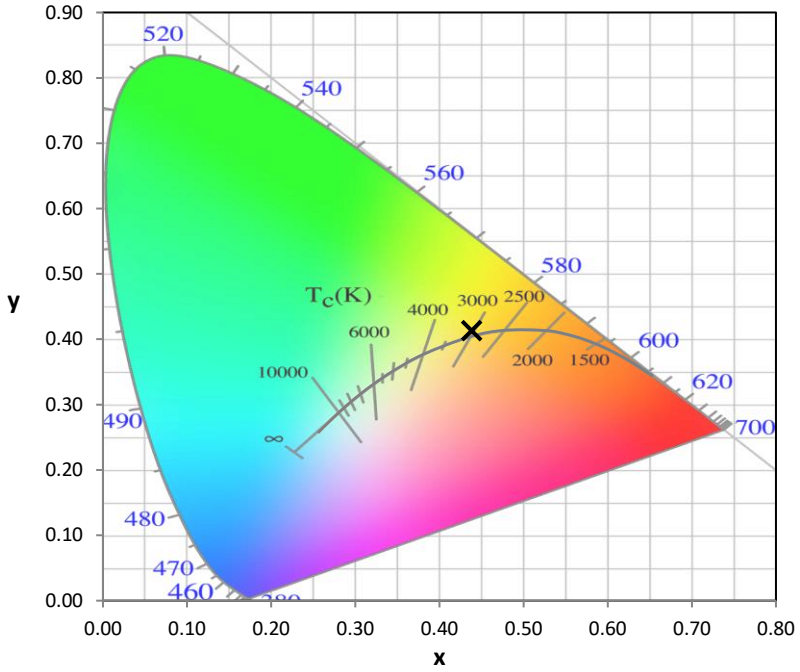
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

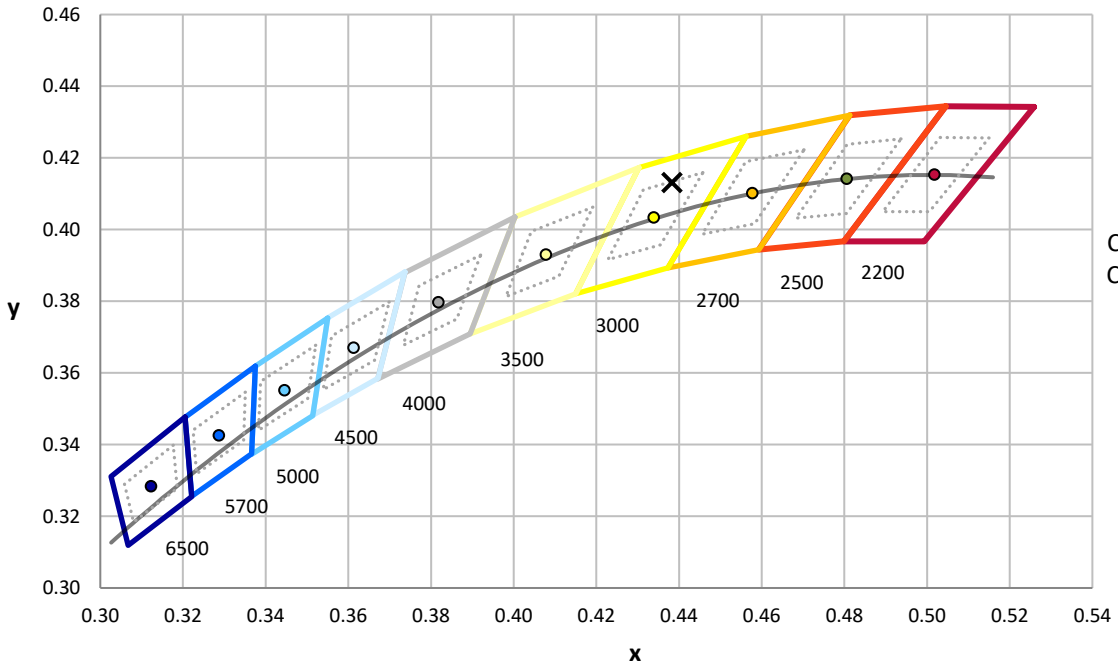
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

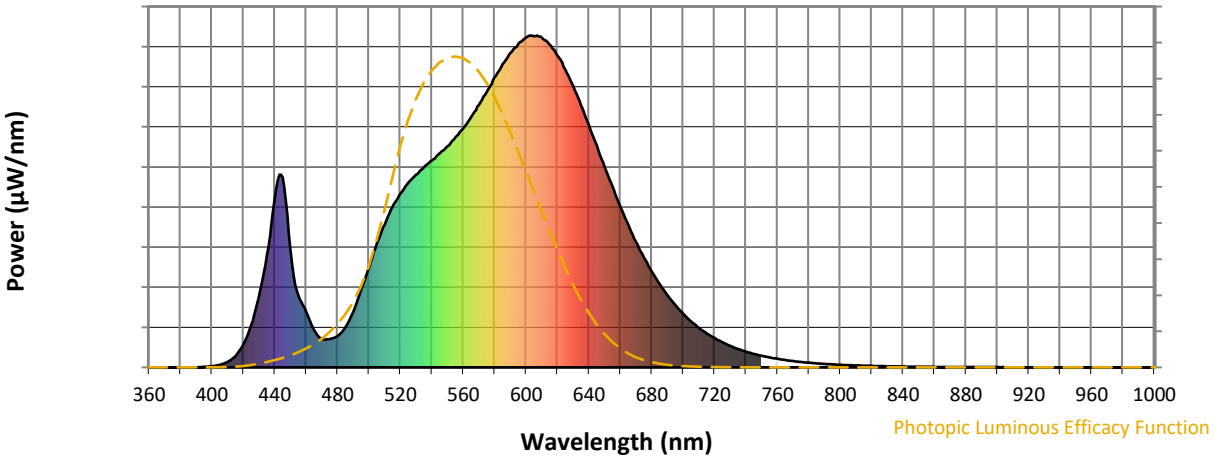


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

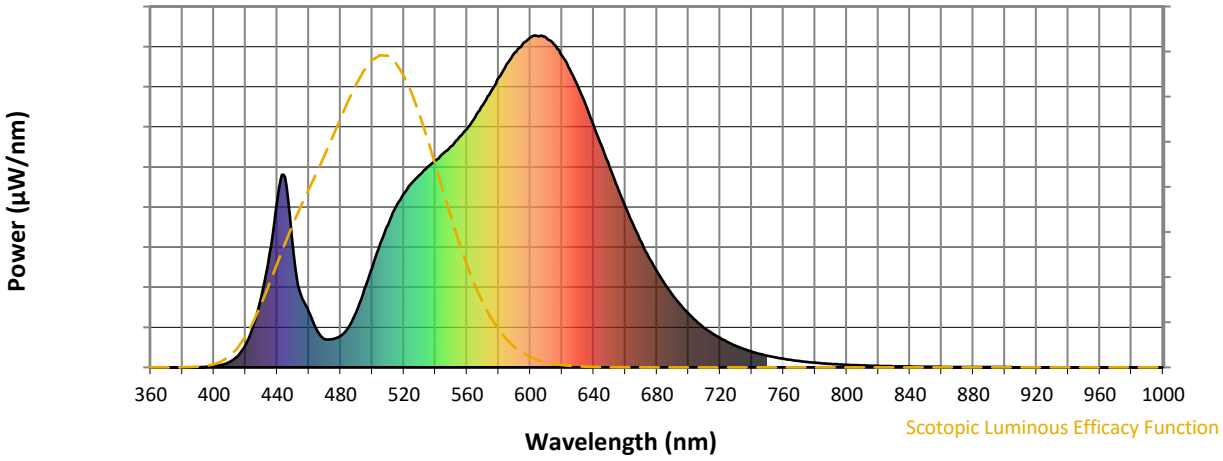


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

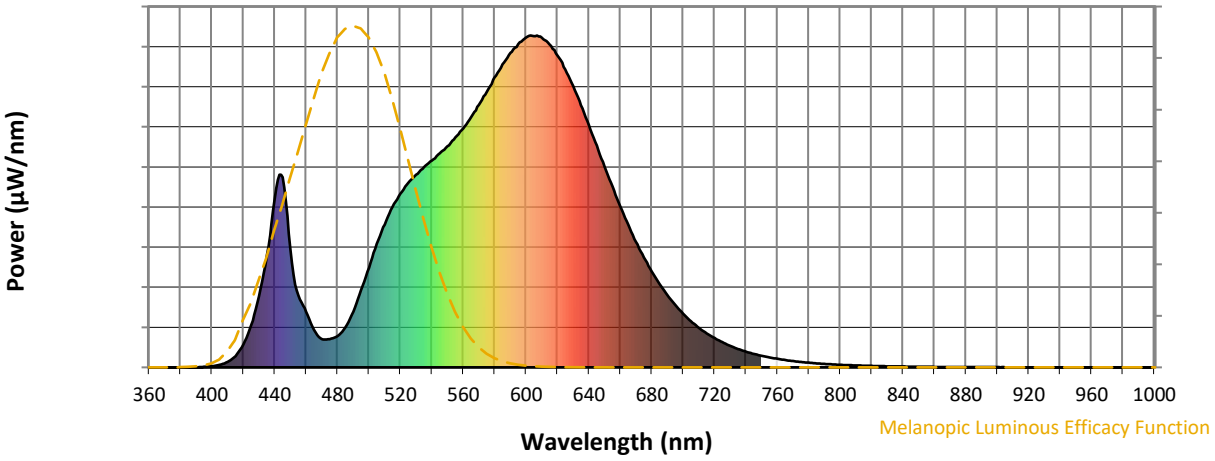


Scotopic Lumens: NR **S/P: 1.27**

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			

REPORT NUMBER: SP1-2408-195-9

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			

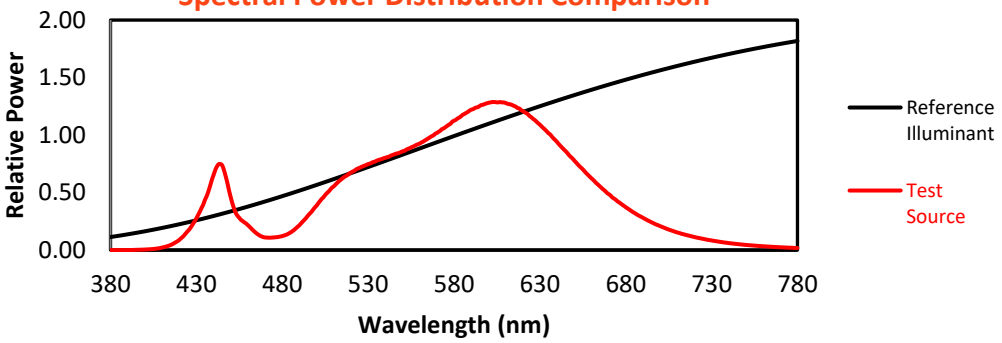
REPORT NUMBER: SP1-2408-195-9

TM-30-18

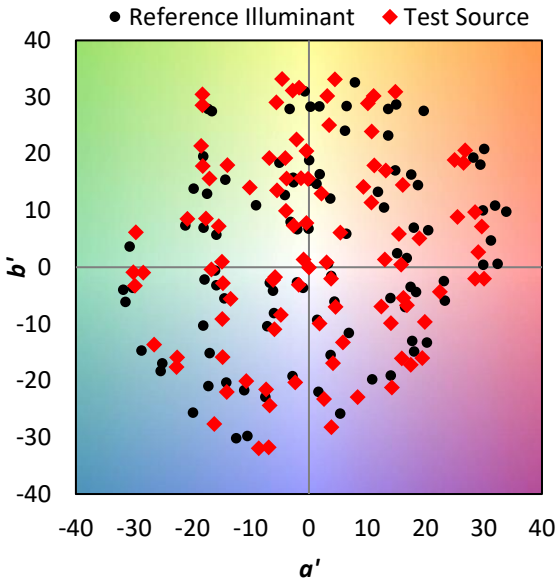
Summary

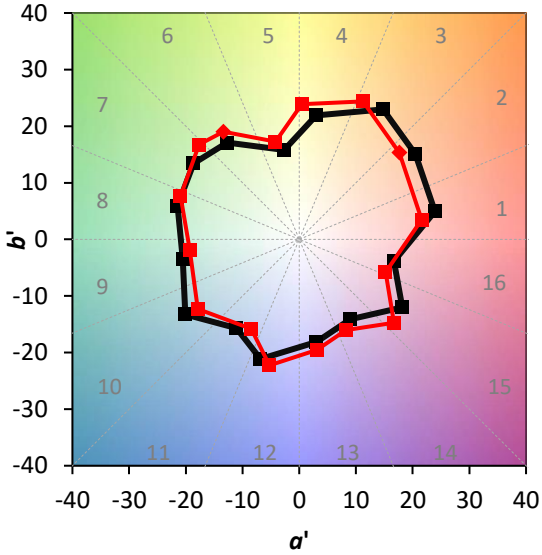
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

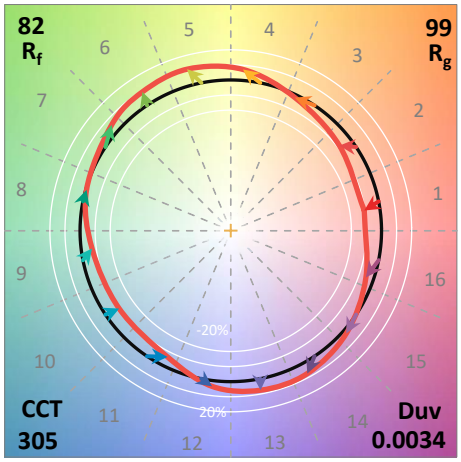
Spectral Power Distribution Comparison

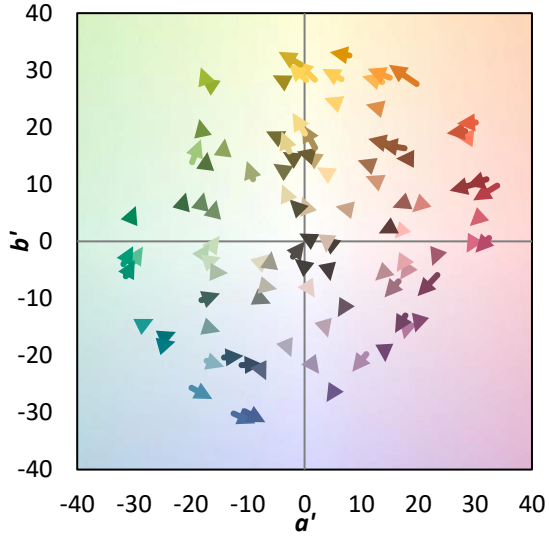


Color Vector Graphics







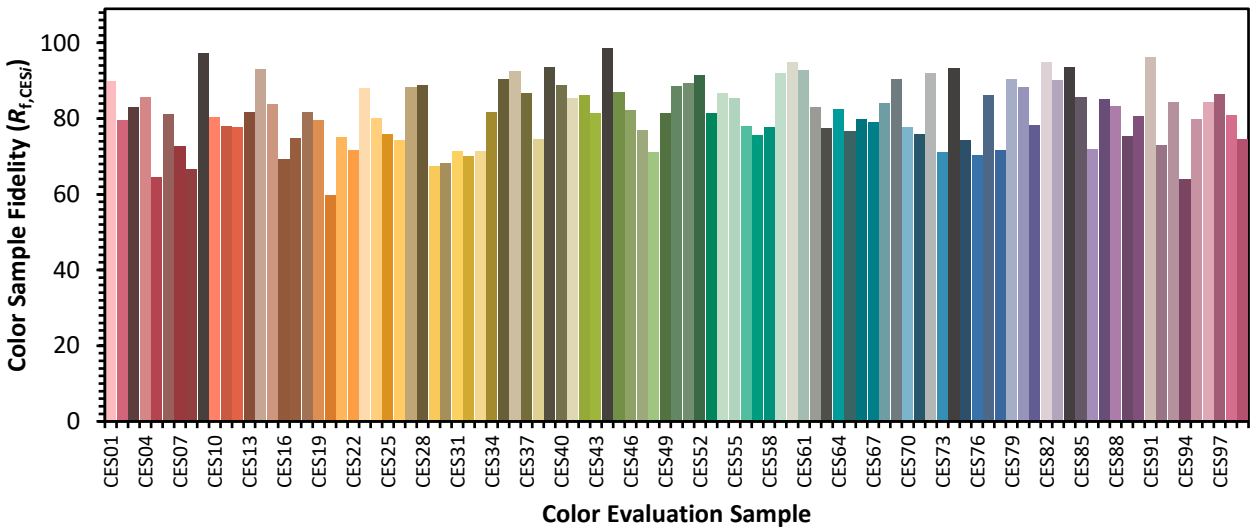


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

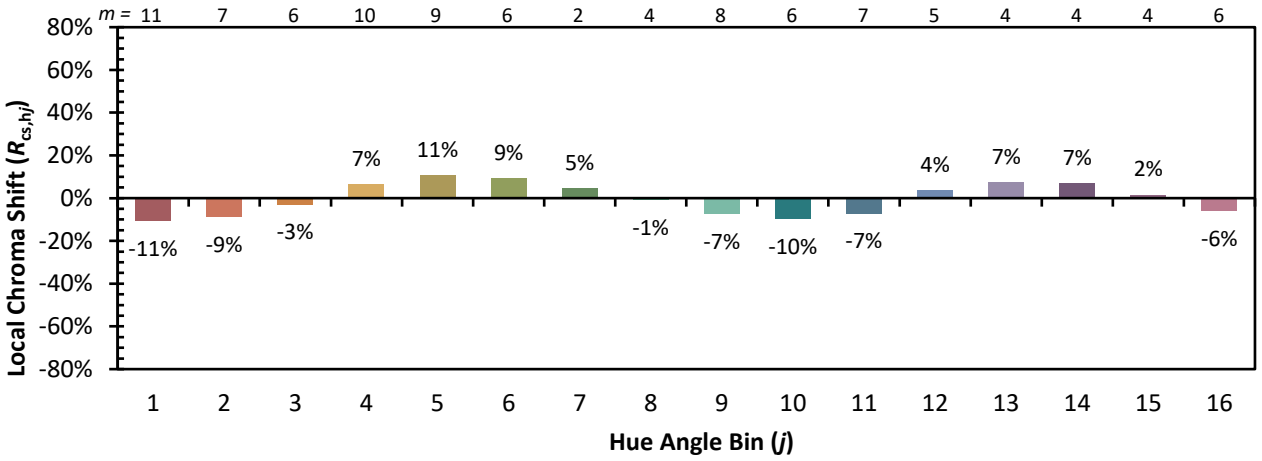
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

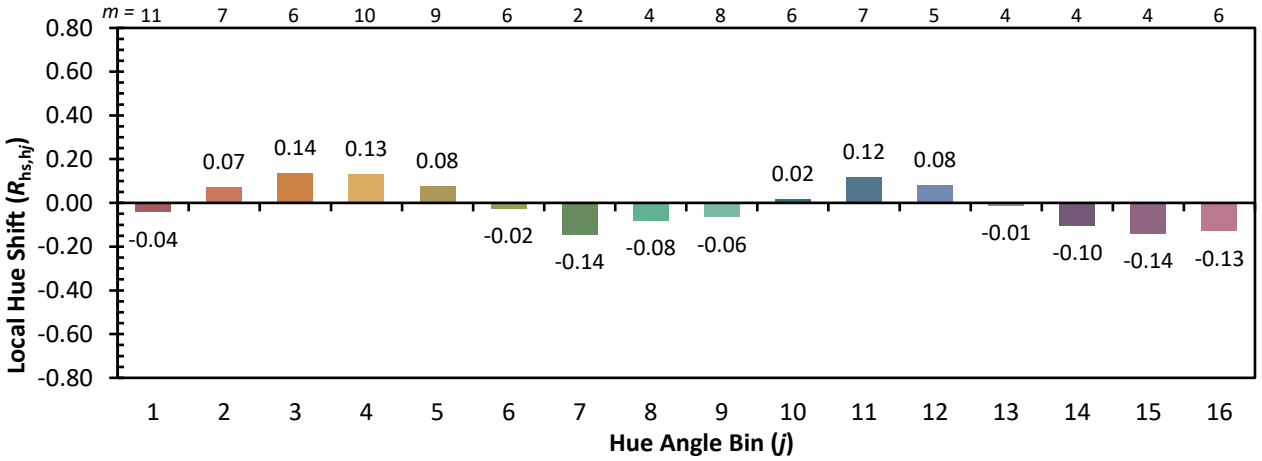


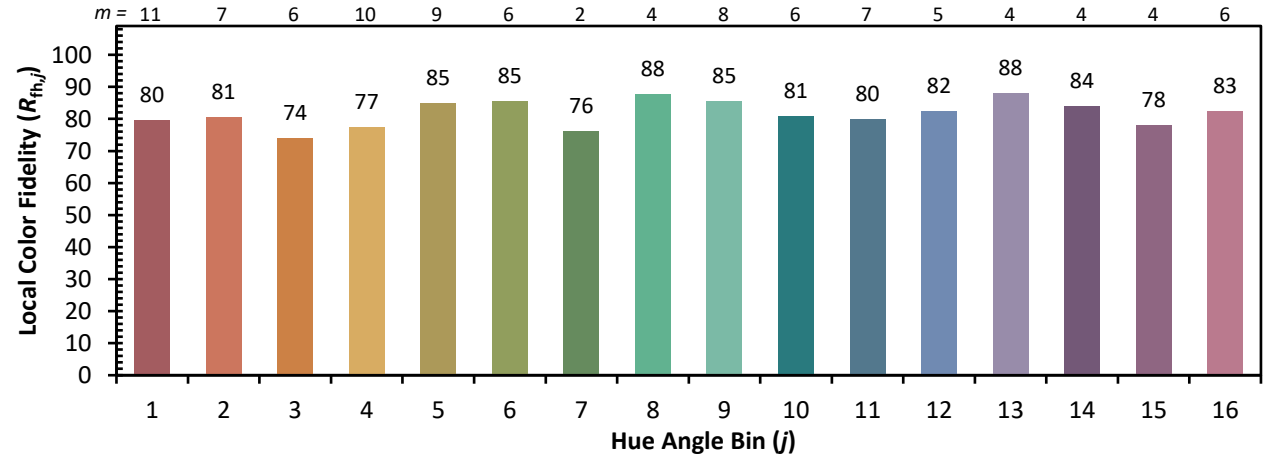
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



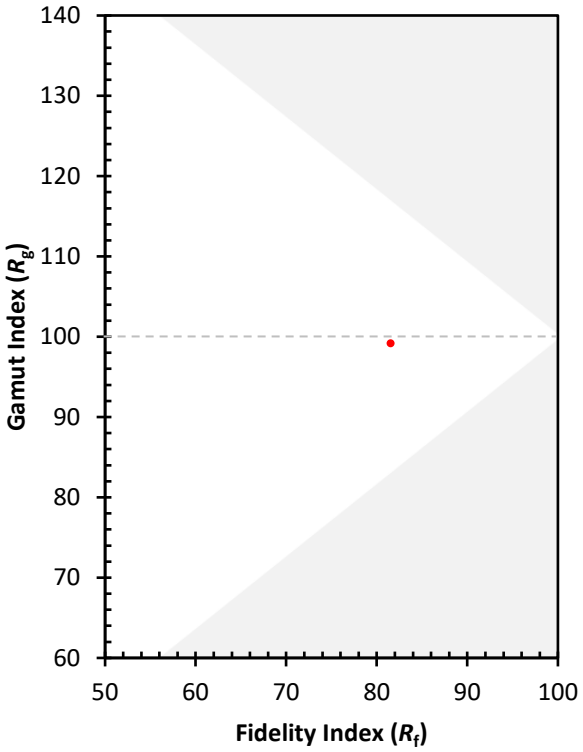


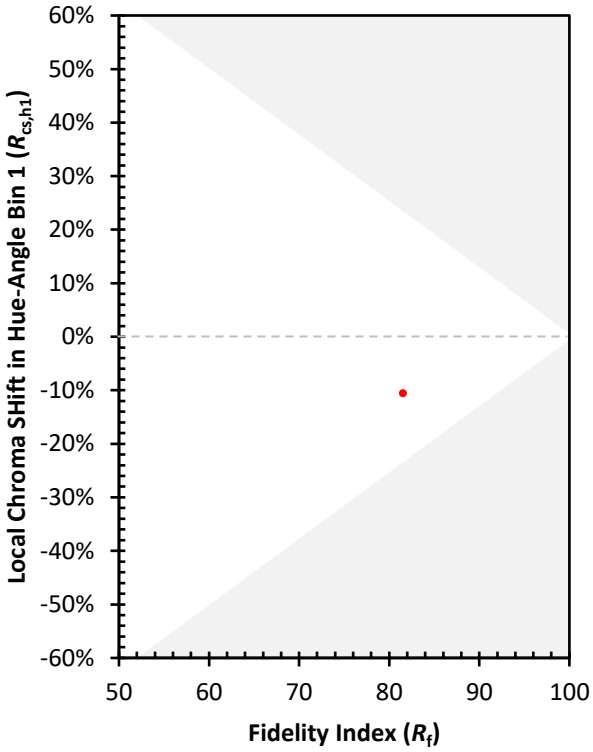


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)