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: P318867

Luminaire Tested: **GLEON-SA3A-830-U-T4FT**

Issue Date: 3/3/2020

Report Generated By E0585644

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:	P318867
	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:	GLEON-SA3A-830-U-T4FT
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 615mA 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:	11373 lumens
Efficiency:	N/A
Efficacy:	118.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	96
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:	24 FT

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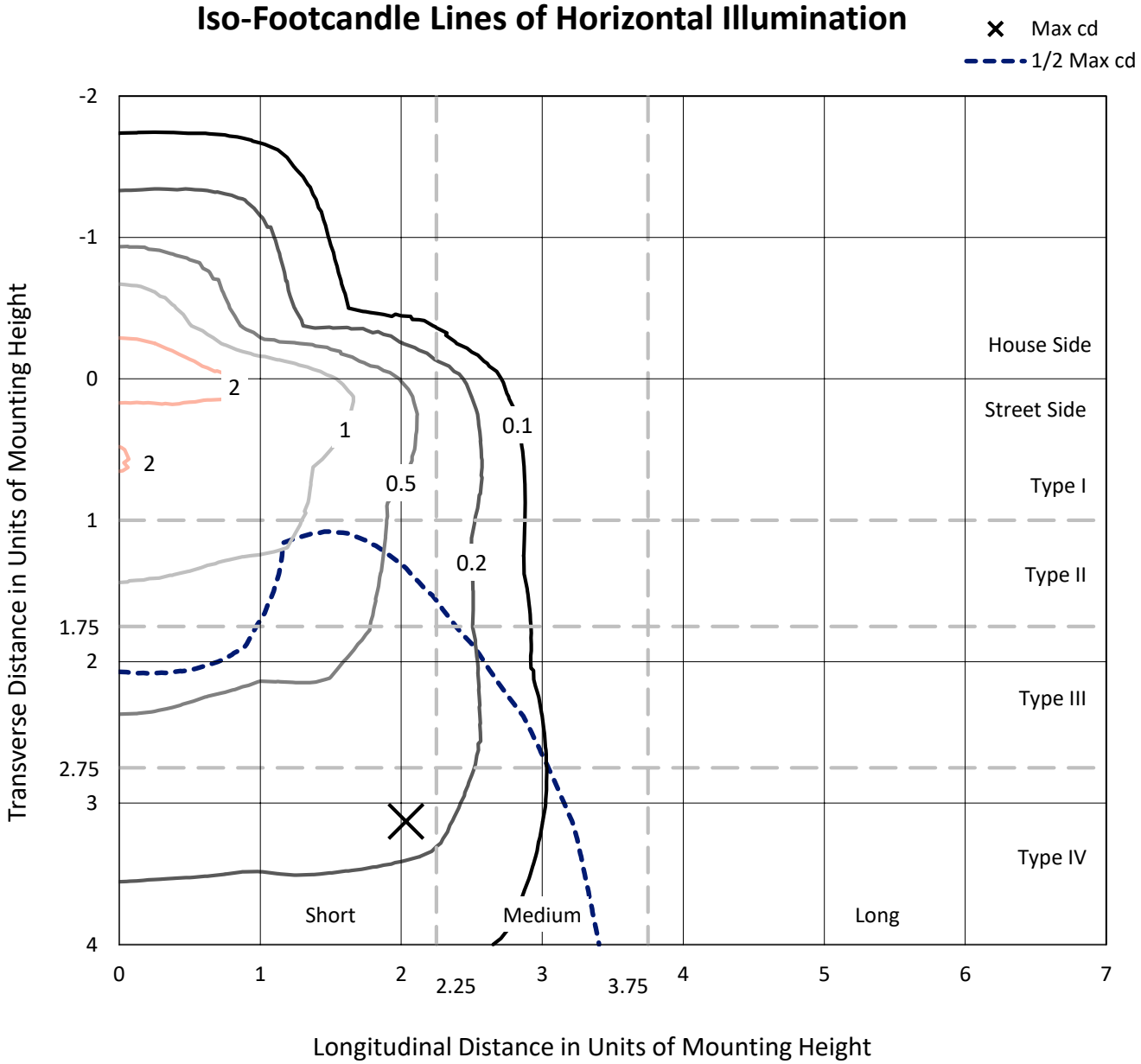
Scaled Data Report

REPORT NUMBER: P318867
CATALOG NUMBER: GLEON-SA3A-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type IV - Short - N/A

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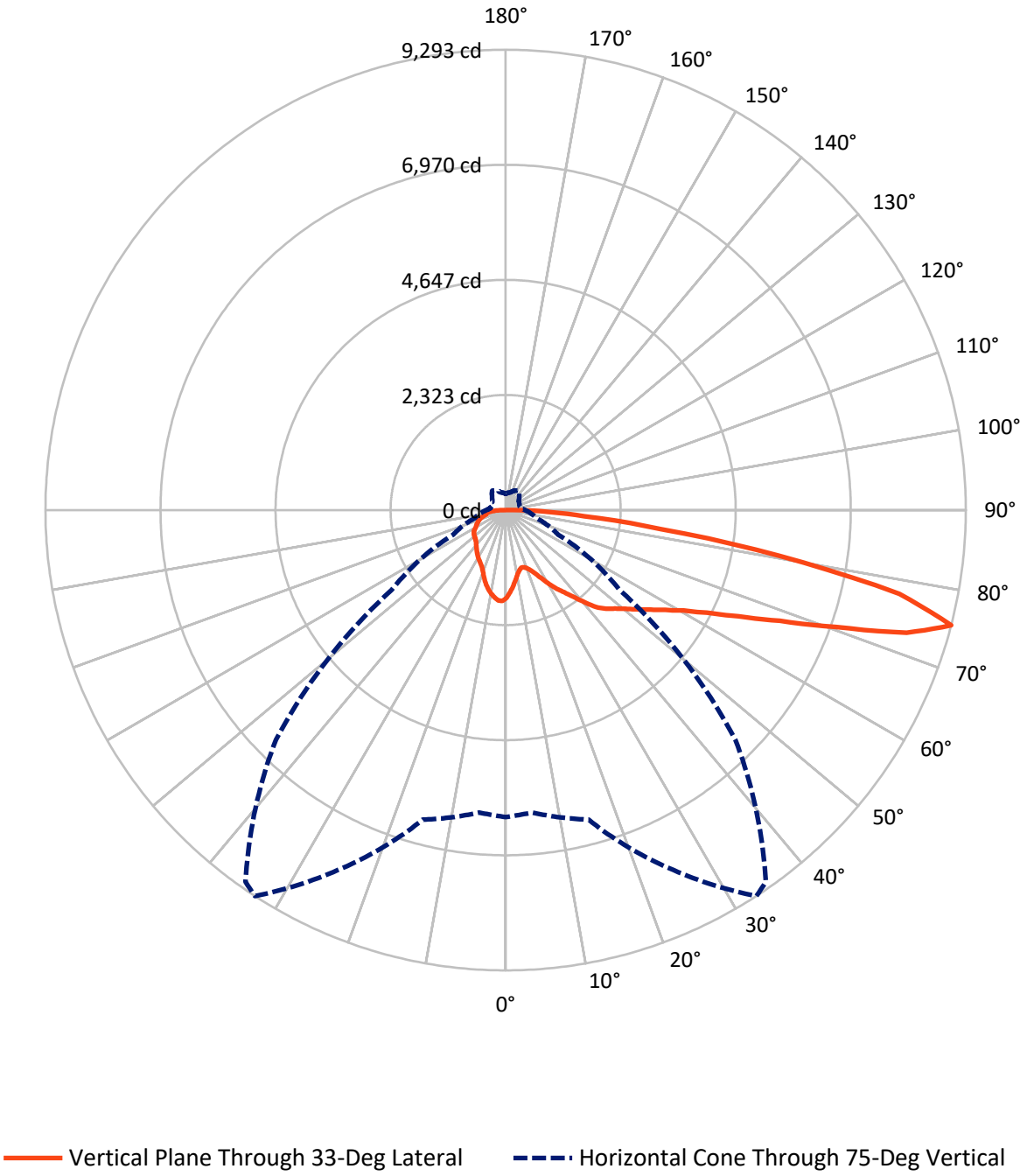
CATALOG NUMBER: GLEON-SA3A-830-U-T4FT

Luminous Intensity Polar Plot



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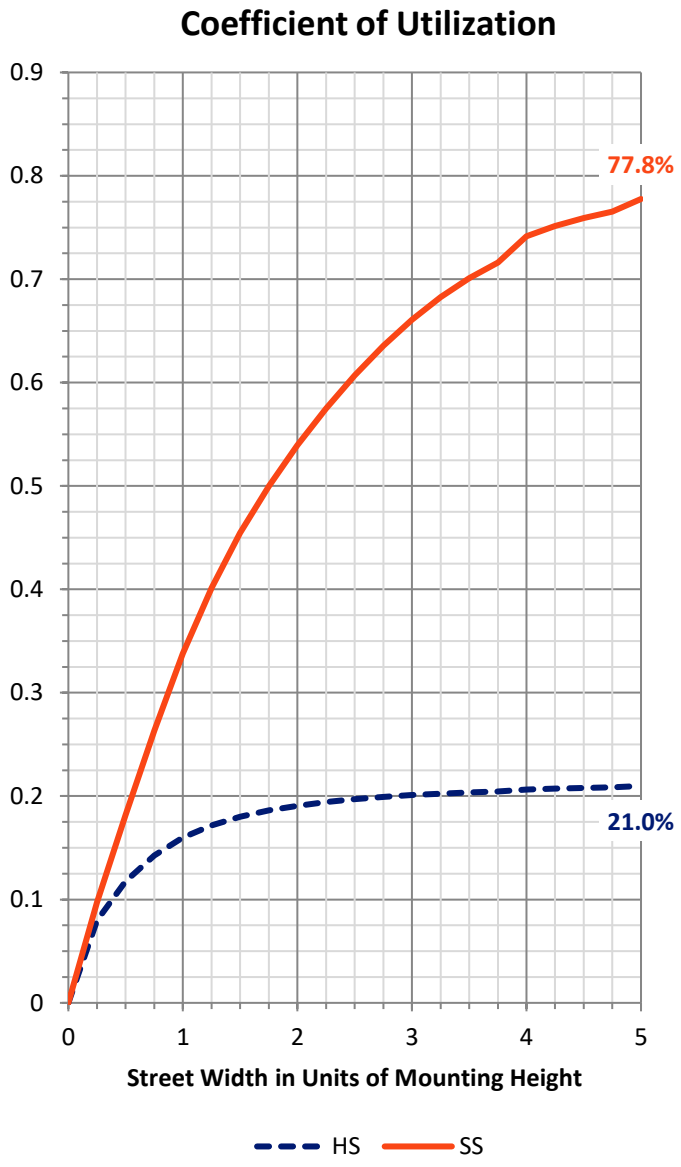
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2442.1	0.0	2442.1
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	8930.9	0.0	8930.9
	% Fixture	78.5	0.0	78.5
Total	Lumens	11373.0	0.0	11373.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.8	1.4
10°-20°	435.4	3.8
20°-30°	711.1	6.3
30°-40°	1059.0	9.3
40°-50°	1518.9	13.4
50°-60°	2085.2	18.3
60°-70°	2610.6	23.0
70°-80°	2361.7	20.8
80°-90°	430.2	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°	11373.0	100.0
0°-180°	11373.0	100.0



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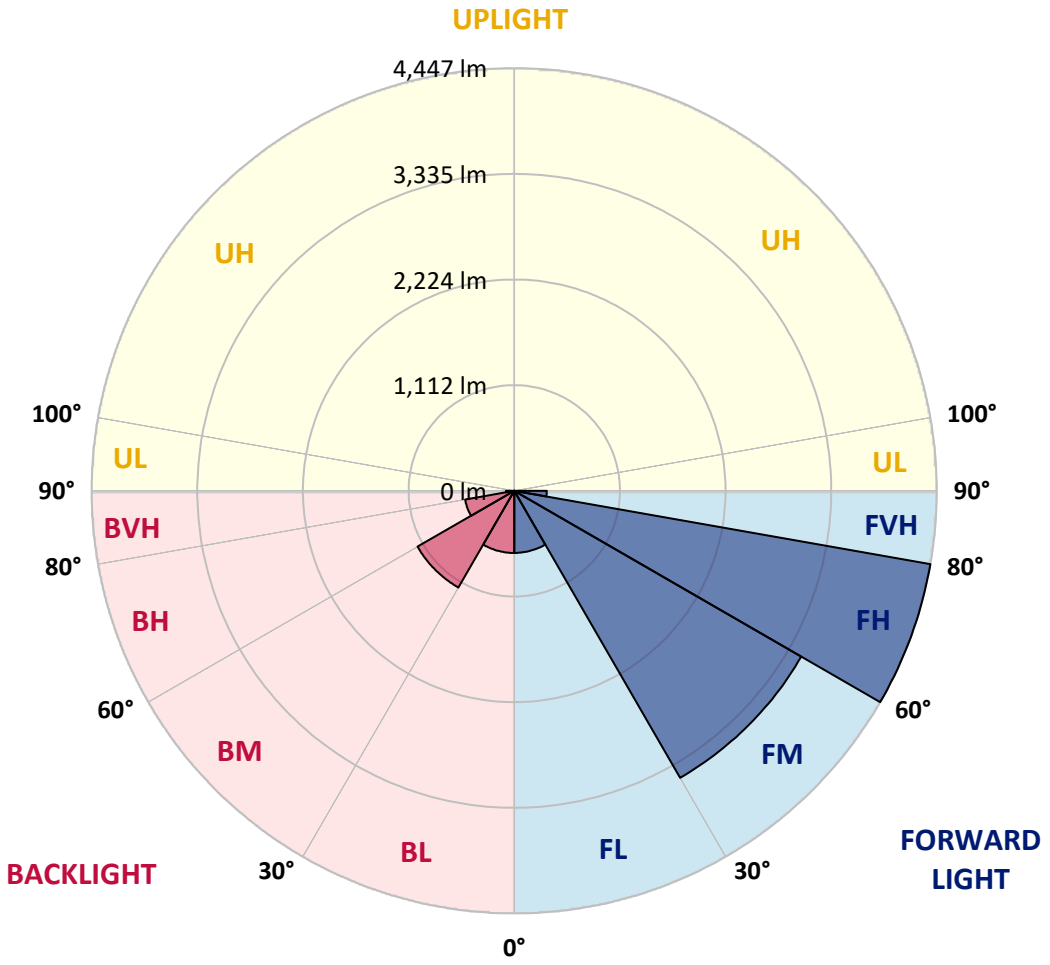
REPORT NUMBER: P318867
CATALOG NUMBER: GLEON-SA3A-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	653.2	5.7			
FM	(30°-60°)	3487.9	30.7			
FH	(60°-80°)	4447.2	39.1			G2/5000
FVH	(80°-90°)	342.6	3.0			G3/500
BL	(0°-30°)	654.1	5.8	B2/1000		
BM	(30°-60°)	1175.3	10.3	B2/2500		
BH	(60°-80°)	525.1	4.6	B2/1000		G2/1000
BVH	(80°-90°)	87.6	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

REPORT NUMBER: P318867
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	1777.7	1777.7	1777.7	1777.7	*1777.7*	1777.7	1777.7	1777.7	1777.7	1777.7	1777.7
2.5°	1650.8	1644.5	1656.3	1657.8	*1668.1*	1672.0	1686.1	1708.1	1726.2	1747.0	1765.9
5°	1501.1	1496.8	1513.3	1525.1	*1547.5*	1556.9	1590.3	1637.0	1678.7	1725.8	1768.6
7.5°	1358.9	1356.5	1375.0	1401.7	*1427.6*	1440.6	1498.3	1566.3	1635.8	1712.1	1777.7
10°	1239.1	1238.3	1256.0	1282.3	*1320.4*	1334.9	1409.6	1499.1	1596.6	1701.5	1793.0
12.5°	1171.9	1174.6	1182.9	1204.9	*1240.2*	1254.8	1337.7	1443.0	1563.6	1697.9	1815.4
15°	1188.4	1192.7	1178.6	1177.8	*1202.9*	1214.3	1292.1	1402.9	1540.0	1703.8	1848.0
17.5°	1258.7	1259.5	1222.2	1198.6	*1213.9*	1219.8	1278.0	1380.1	1526.2	1717.2	1888.8
20°	1357.7	1355.7	1289.7	1250.5	*1258.7*	1260.3	1298.0	1380.5	1525.1	1740.3	1941.9
22.5°	1488.9	1474.4	1385.6	1332.2	*1330.2*	1327.8	1349.5	1409.6	1542.3	1778.1	2005.1
25°	1660.2	1646.5	1524.3	1451.2	*1435.5*	1429.6	1432.7	1471.6	1576.5	1818.5	2075.8
27.5°	1850.7	1826.8	1708.9	1605.6	*1573.0*	1564.7	1545.9	1559.2	1613.8	1857.4	2159.9
30°	2010.2	1997.3	1894.3	1771.8	*1733.3*	1721.5	1672.0	1657.5	1667.7	1910.4	2266.0
32.5°	2099.4	2090.8	2028.3	1929.3	*1893.6*	1877.1	1807.1	1778.1	1754.1	1994.1	2409.8
35°	2207.4	2201.9	2164.2	2092.3	*2039.3*	2022.0	1967.8	1937.6	1875.9	2109.2	2595.6
37.5°	2344.9	2339.1	2339.8	2281.7	*2218.4*	2202.3	2166.6	2134.8	2033.8	2260.5	2797.5
40°	2500.5	2489.1	2484.8	2482.1	*2442.0*	2432.9	2414.1	2370.9	2231.8	2441.2	2996.7
42.5°	2734.7	2694.2	2607.8	2640.4	*2680.0*	2675.3	2690.7	2628.6	2451.8	2654.9	3191.2
45°	2960.5	2894.2	2744.9	2751.9	*2838.8*	2865.1	2979.8	2935.8	2690.3	2889.0	3392.3
47.5°	3063.5	3013.2	2886.3	2886.7	*2972.7*	3027.3	3278.8	3247.3	2940.9	3155.0	3637.8
50°	3178.6	3128.3	3014.4	3057.2	*3132.2*	3190.4	3567.5	3551.4	3179.4	3446.1	3932.1
52.5°	3304.3	3219.0	3146.8	3223.4	*3328.7*	3396.2	3856.6	3812.6	3398.2	3739.2	4270.3
55°	3305.9	3282.7	3337.7	3393.9	*3551.4*	3634.3	4159.5	4043.3	3576.5	4027.1	4545.7
57.5°	3494.0	3456.3	3573.0	3598.9	*3804.8*	3898.3	4460.9	4244.0	3758.0	4247.9	4694.2
60°	3743.1	3710.9	3806.4	3874.7	*4118.3*	4243.2	4782.6	4450.2	3900.6	4414.5	4687.1
62.5°	4173.3	4136.8	4135.6	4231.4	*4559.5*	4704.8	5143.6	4652.6	3957.2	4447.5	4487.2
65°	4803.0	4744.9	4635.3	4680.9	*5168.8*	5313.7	5547.1	4799.1	3882.6	4270.7	3972.1
67.5°	5415.9	5413.9	5279.2	5372.7	*5973.3*	6089.6	6006.7	4813.6	3649.6	3655.1	3058.4
70°	6026.8	6034.6	6011.8	6337.1	*7060.4*	7181.4	6496.2	4618.4	3125.9	2639.6	1832.3
72.5°	6510.8	6508.8	6623.5	7462.3	*8471.1*	8444.0	6908.7	4026.8	2244.4	1424.9	875.7
75°	*6197.3*	*6128.9*	*6470.7*	*8019.3*	*9293.4*	*9161.0*	*6557.9*	*2808.9*	*1164.8*	*648.6*	*471.4*
77.5°	4042.1	4106.9	4608.6	6624.7	*8128.9*	7967.9	4811.3	1310.6	548.8	425.5	341.8
80°	1463.8	1532.1	2157.9	3752.5	*5600.5*	5574.2	2369.3	538.6	371.2	321.4	249.1
82.5°	503.6	528.8	851.3	1666.5	*3162.1*	3279.9	891.4	306.0	269.9	227.9	170.5
85°	197.6	226.3	389.3	801.8	*1595.0*	1606.8	361.0	183.1	187.8	149.3	93.5
87.5°	75.0	91.1	186.2	372.4	*728.4*	669.0	129.2	87.2	106.9	88.8	44.4
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: P318867
CATALOG NUMBER: GLEON-SA3A-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1777.7	1777.7	1777.7	1777.7	1777.7	1777.7	1777.7	1777.7	1777.7	1777.7	1777.7
2.5°	1780.4	1788.7	1805.9	1817.7	1830.3	1833.8	1835.4	1838.6	1841.7	1840.5	1840.9
5°	1791.4	1807.5	1835.4	1847.2	1852.7	1846.4	1834.2	1824.4	1817.3	1813.4	1812.2
7.5°	1809.5	1832.3	1862.1	1860.2	1847.6	1819.7	1788.3	1764.7	1745.1	1738.0	1734.1
10°	1833.4	1860.2	1881.0	1858.6	1822.1	1773.7	1726.6	1690.1	1660.6	1649.2	1647.2
12.5°	1864.1	1891.2	1895.1	1847.6	1787.1	1721.1	1657.1	1608.7	1564.7	1550.6	1547.5
15°	1903.8	1929.3	1904.9	1828.3	1743.9	1655.1	1572.2	1506.6	1460.2	1443.0	1436.7
17.5°	1945.4	1969.8	1906.9	1796.5	1687.3	1576.9	1472.8	1405.6	1352.6	1332.6	1330.2
20°	1995.3	2006.3	1898.7	1750.9	1609.5	1475.6	1366.0	1302.7	1274.4	1260.3	1258.7
22.5°	2057.0	2045.2	1879.8	1689.3	1510.9	1358.5	1269.3	1239.8	1232.8	1229.6	1230.8
25°	2122.2	2086.1	1851.9	1608.7	1386.4	1241.4	1198.6	1206.8	1216.3	1215.1	1215.1
27.5°	2194.1	2127.7	1809.1	1501.9	1248.5	1145.6	1150.7	1180.9	1195.1	1194.7	1194.3
30°	2286.4	2174.8	1754.5	1373.4	1119.6	1078.0	1109.0	1146.0	1165.2	1164.4	1164.8
32.5°	2399.9	2226.7	1680.2	1230.0	1026.5	1028.1	1063.8	1100.4	1122.8	1120.8	1121.2
35°	2532.7	2284.8	1579.7	1088.6	964.8	988.4	1016.7	1042.2	1063.5	1060.7	1058.0
37.5°	2677.3	2341.8	1446.1	962.1	914.6	951.5	975.1	979.4	989.2	982.1	977.0
40°	2814.8	2385.4	1274.0	858.4	863.9	920.1	935.4	918.1	900.4	898.1	891.0
42.5°	2934.6	2399.9	1100.0	775.5	810.5	887.1	896.5	860.3	828.5	813.6	807.3
45°	3061.1	2405.1	937.7	706.0	759.0	857.6	867.8	819.5	774.7	742.5	731.9
47.5°	3226.5	2442.0	811.6	654.5	719.7	838.0	852.5	786.9	728.7	682.8	673.0
50°	3443.0	2515.1	709.1	615.2	694.2	825.0	841.5	755.1	691.0	635.6	625.8
52.5°	3683.4	2582.2	626.2	583.4	669.4	802.2	827.4	732.3	655.7	592.0	581.4
55°	3851.5	2530.8	559.4	550.4	637.2	769.6	807.7	713.0	605.0	549.6	540.2
57.5°	3883.8	2354.8	508.7	516.2	598.3	728.7	777.5	670.2	577.5	531.1	521.3
60°	3795.8	2109.6	471.0	484.8	556.7	677.3	720.9	640.0	551.2	511.5	503.2
62.5°	3574.6	1858.6	443.1	456.5	517.8	625.0	685.5	608.1	524.5	489.1	480.9
65°	3127.9	1560.4	416.4	431.4	481.6	579.9	653.7	578.7	498.1	471.0	463.2
67.5°	2361.1	1168.7	391.3	404.6	449.4	540.6	619.1	549.6	472.6	455.3	445.9
70°	1390.3	731.9	362.6	376.7	415.6	499.7	582.2	517.8	440.8	432.9	420.7
72.5°	647.0	440.4	330.0	343.7	373.2	445.1	534.7	476.1	403.1	385.8	369.3
75°	*386.2*	*322.1*	*291.5*	*303.7*	*324.5*	*387.0*	*475.0*	*433.7*	*367.3*	*344.5*	*327.2*
77.5°	288.7	246.3	249.1	262.0	278.9	338.6	420.7	400.3	339.8	322.1	310.4
80°	207.8	187.0	203.1	217.2	234.9	308.0	403.1	370.1	307.2	283.6	272.6
82.5°	138.7	134.4	152.8	167.4	184.6	269.5	378.7	324.1	262.4	232.6	208.2
85°	76.6	80.9	102.9	109.2	124.1	189.7	310.4	260.5	197.6	159.1	152.0
87.5°	31.8	37.3	55.4	53.4	66.0	113.1	204.3	157.1	125.7	93.9	73.1
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

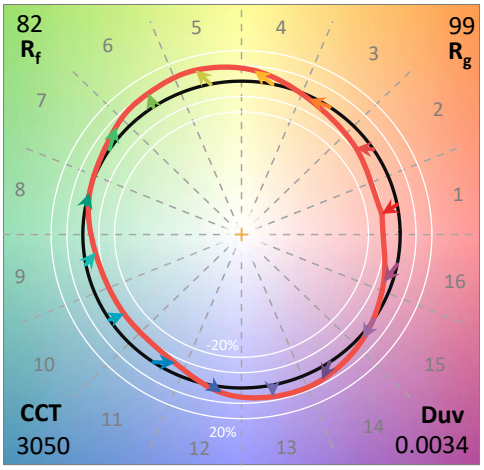
Test Information

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

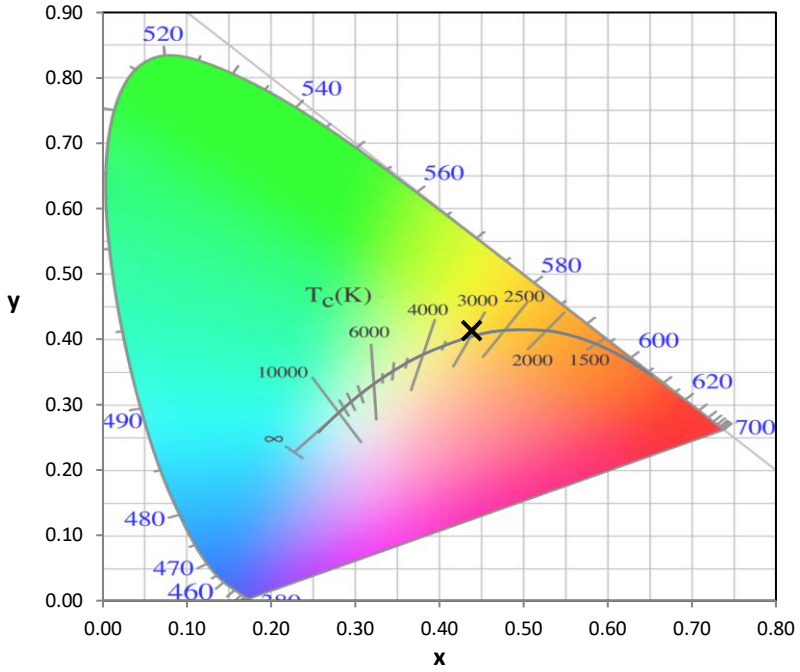
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

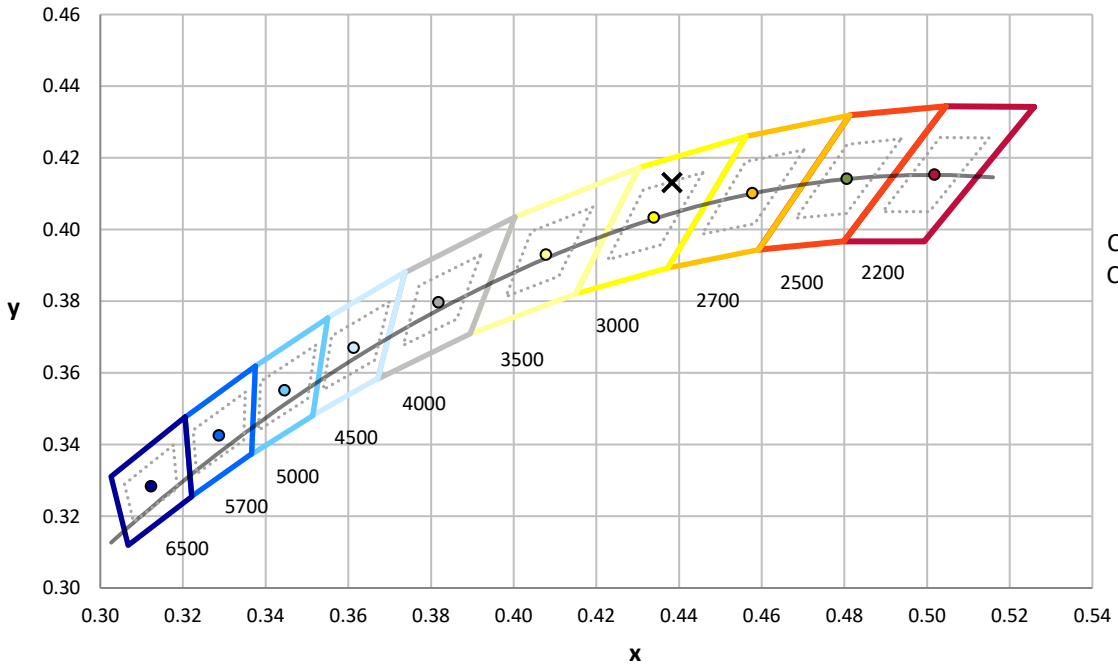
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

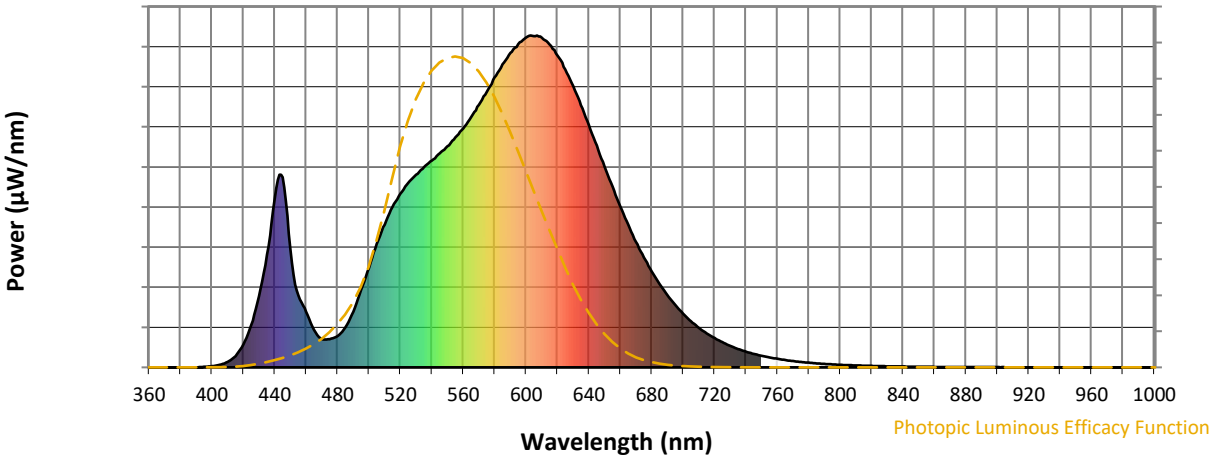


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

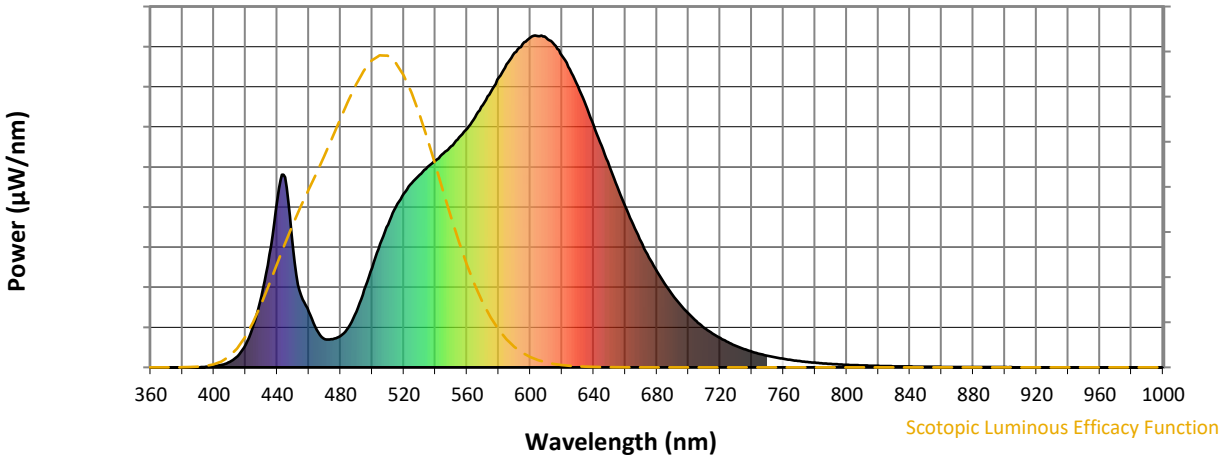


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

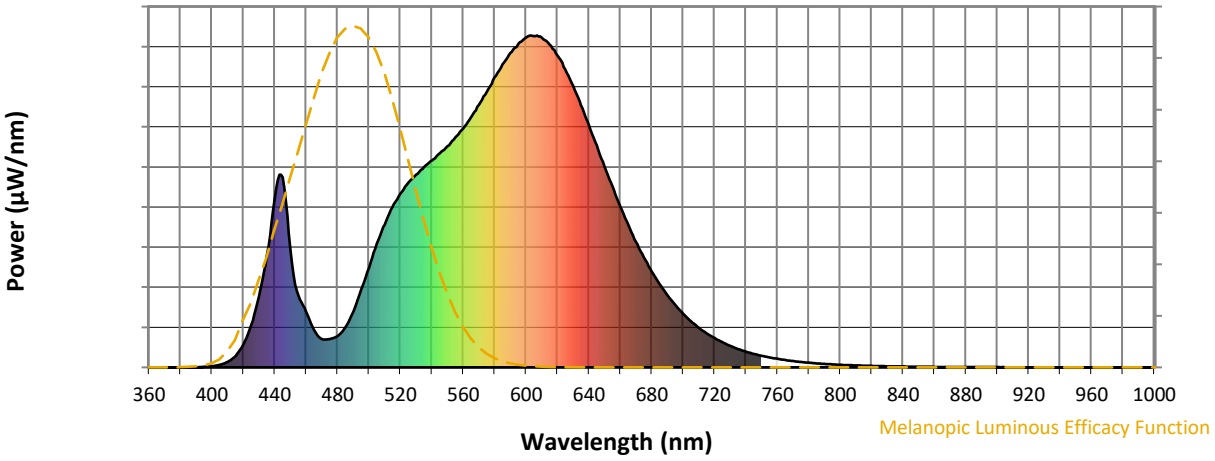


Scotopic Lumens: NR **S/P: 1.27**

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			

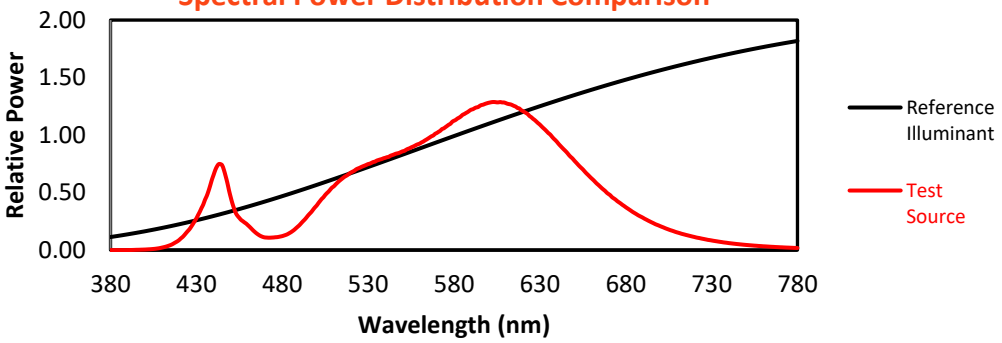
REPORT NUMBER: SP1-2408-195-9

TM-30-18

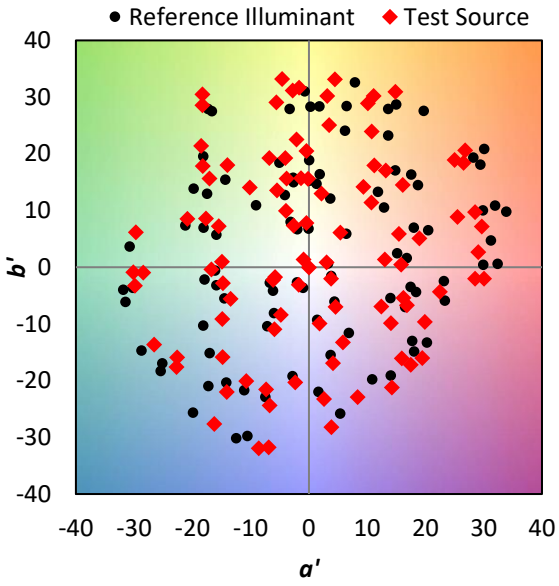
Summary

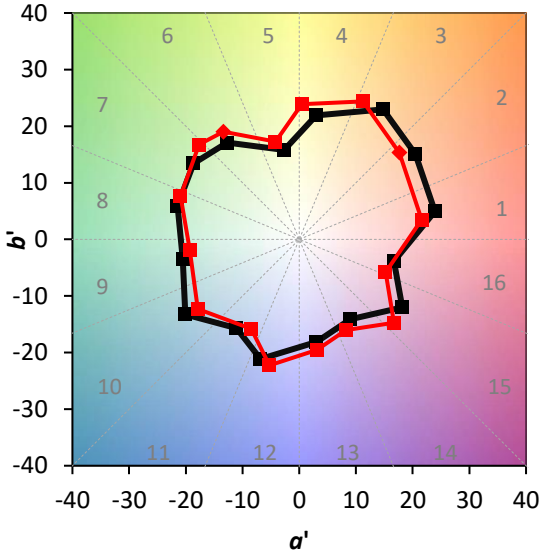
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

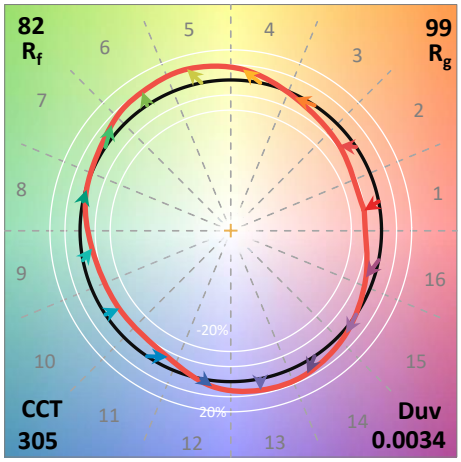
Spectral Power Distribution Comparison

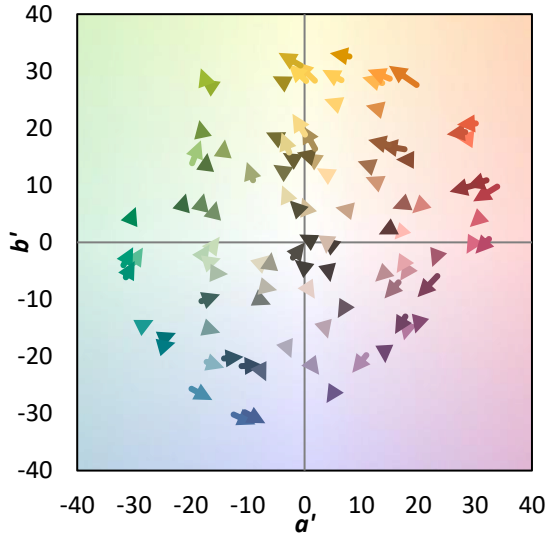


Color Vector Graphics







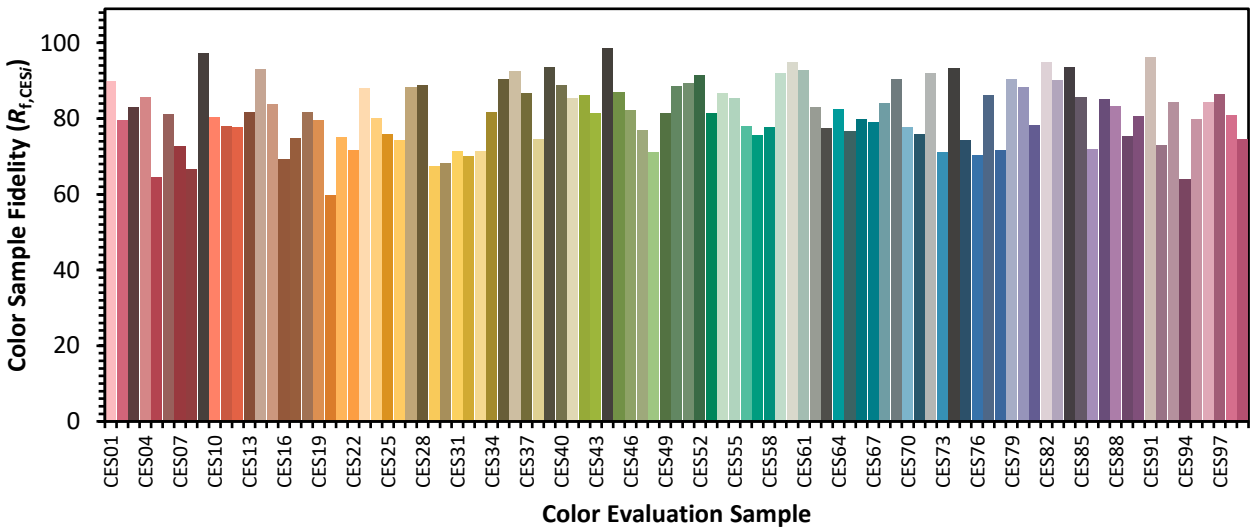


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

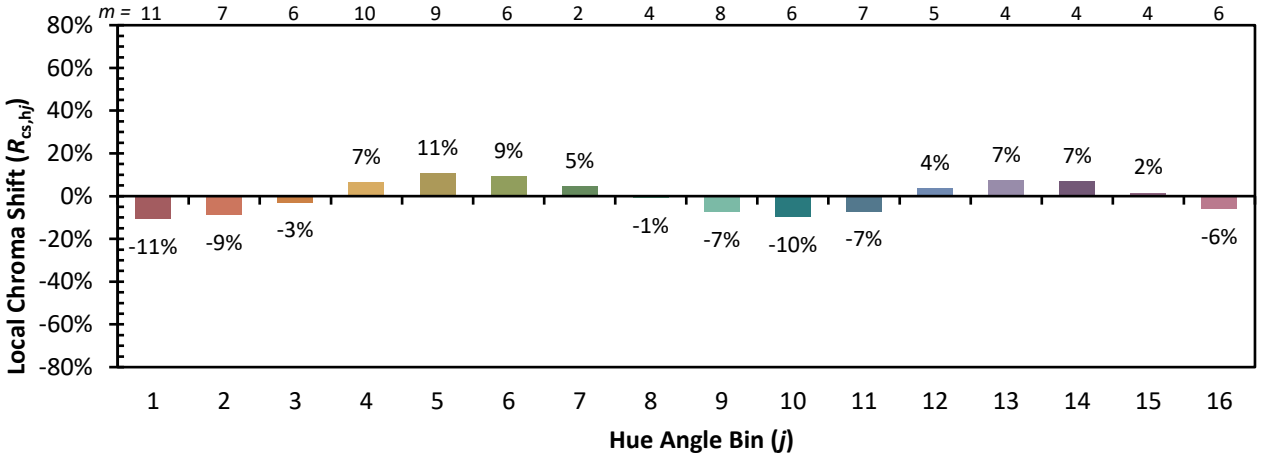
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

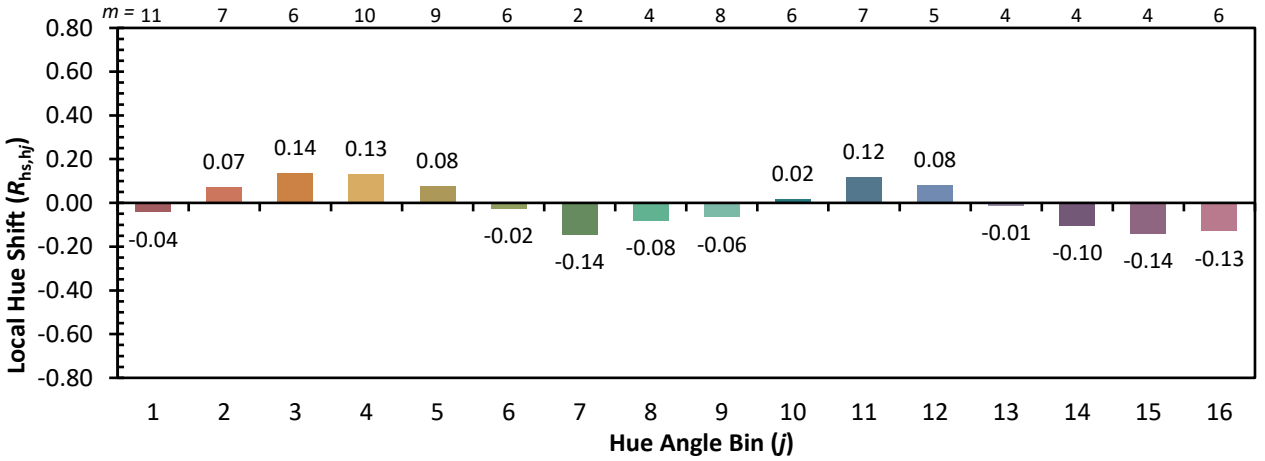


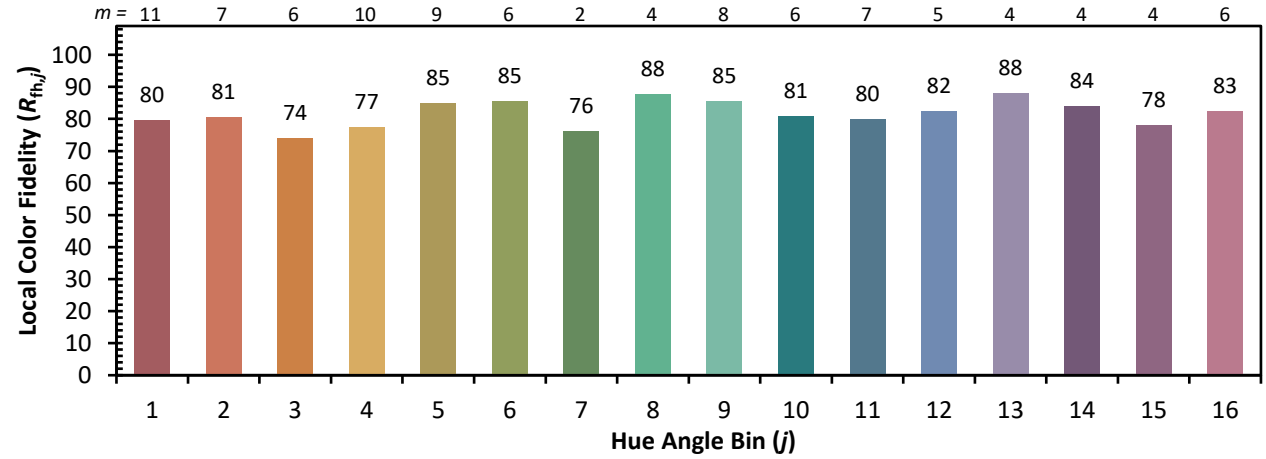
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



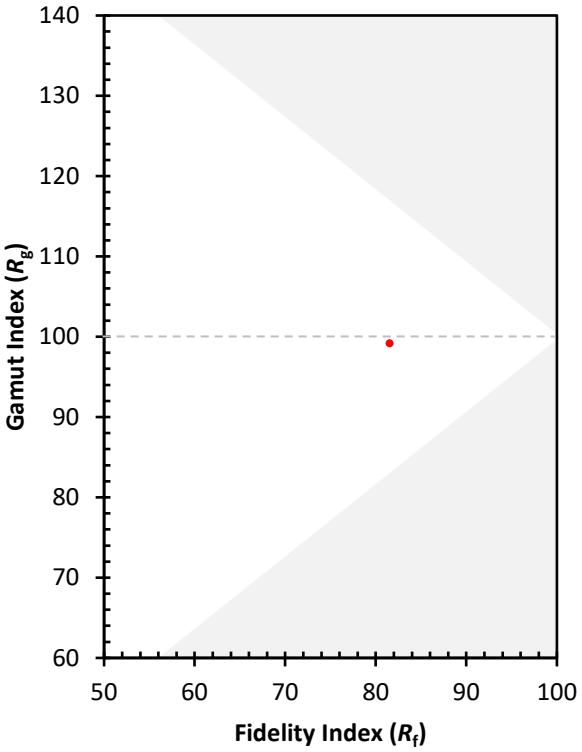


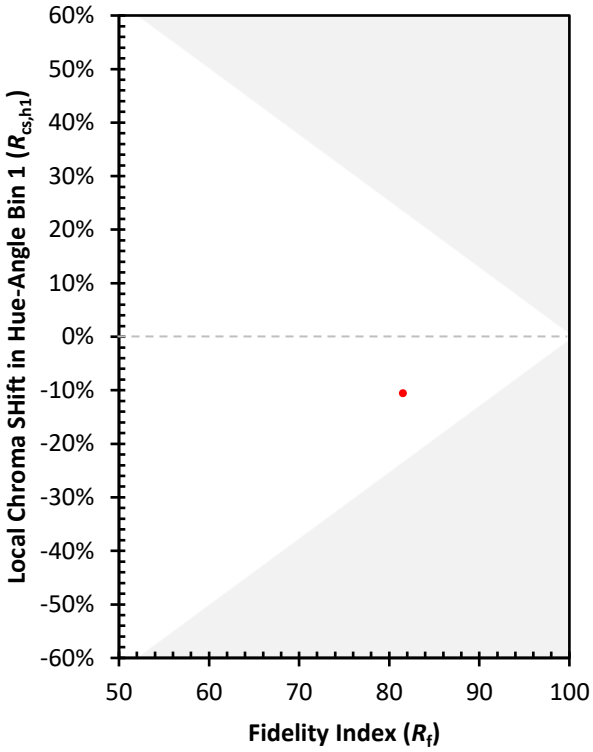


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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