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: P318247

Luminaire Tested: **GLEON-SA3C-830-U-T2**

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:	P318247
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA3C-830-U-T2
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16838 lumens
Efficiency:	N/A
Efficacy:	101.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G3

Input Watts (W):	166
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: P318247
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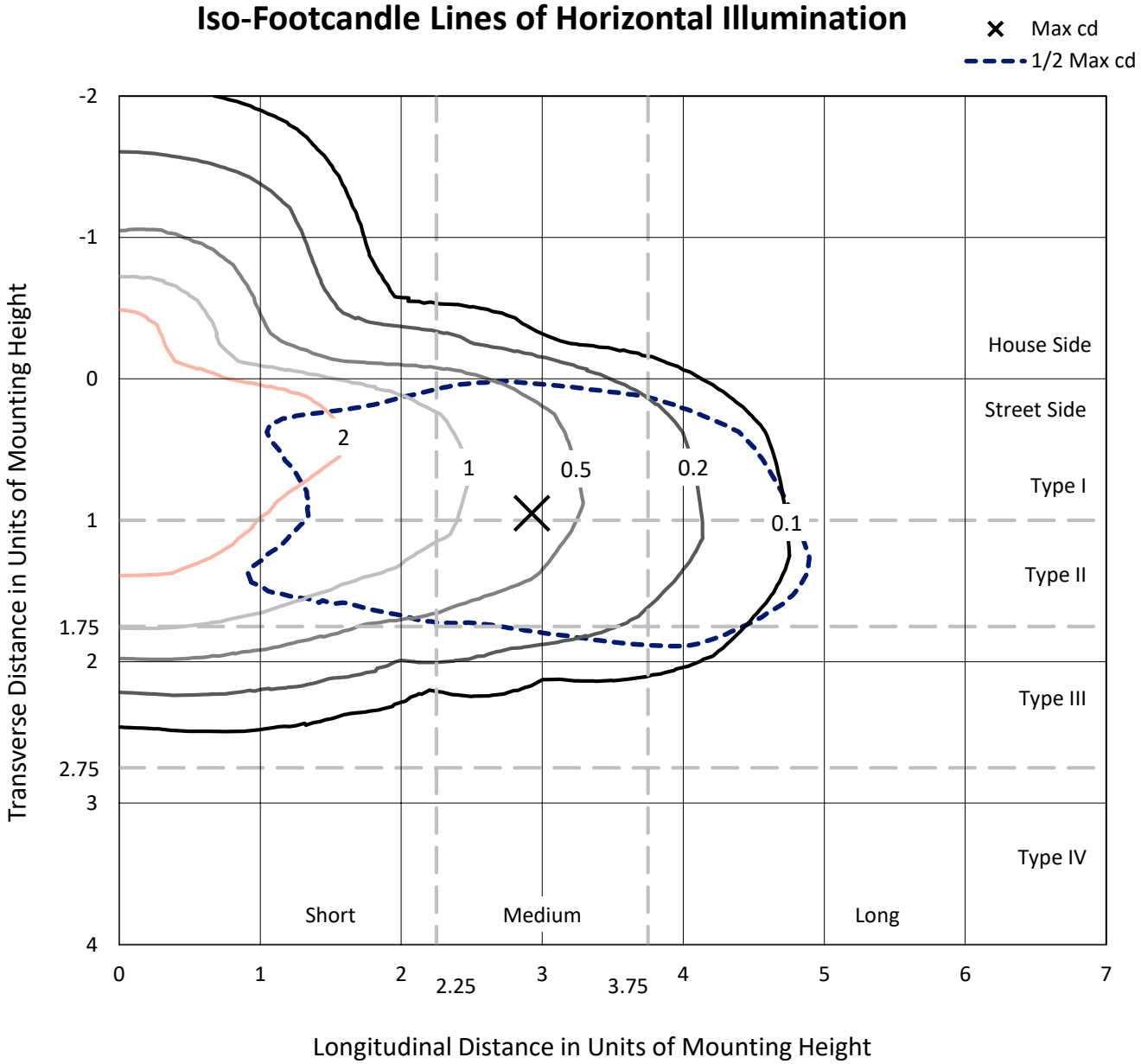
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type III - Medium - N/A

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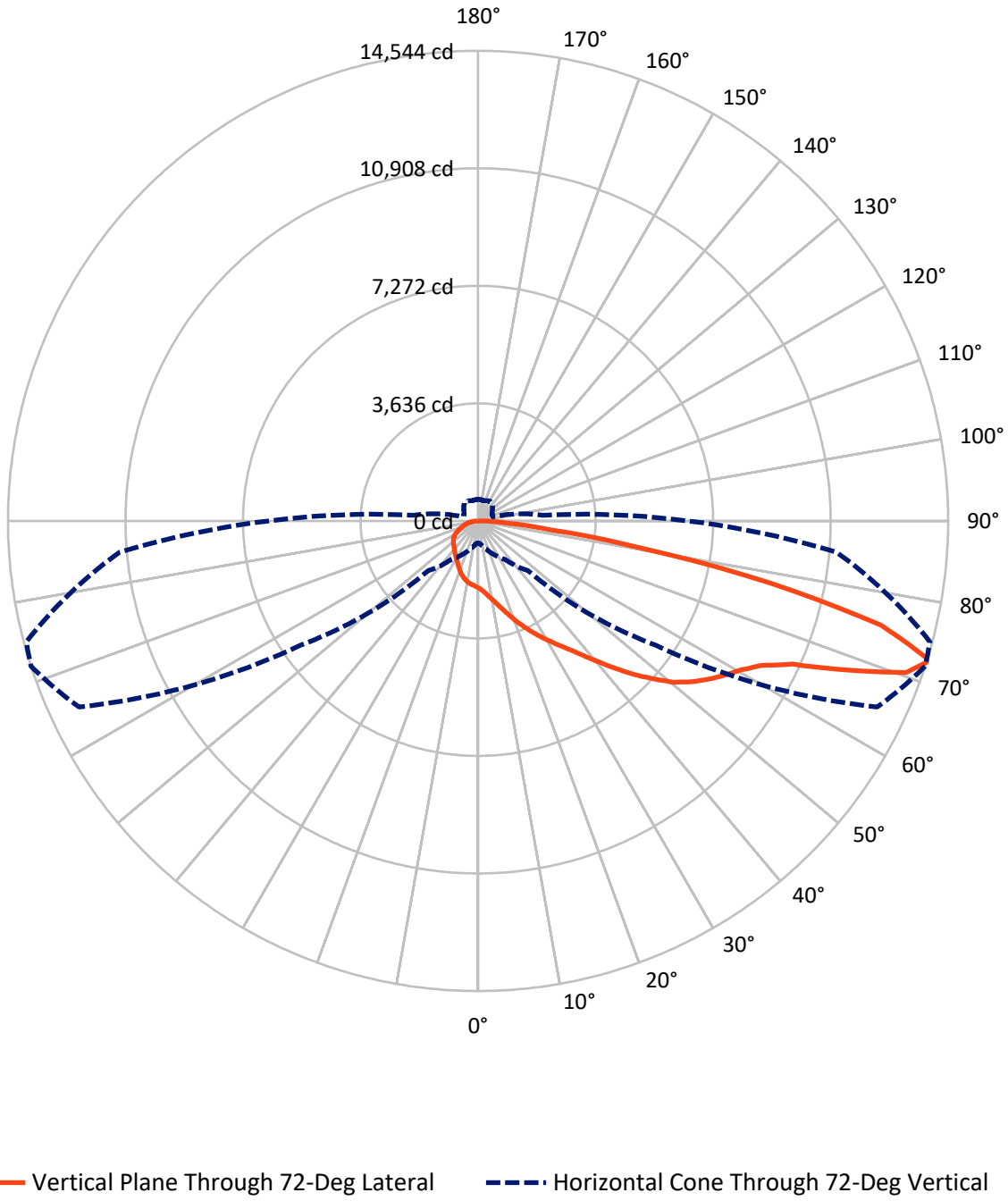
Luminous Intensity Polar Plot



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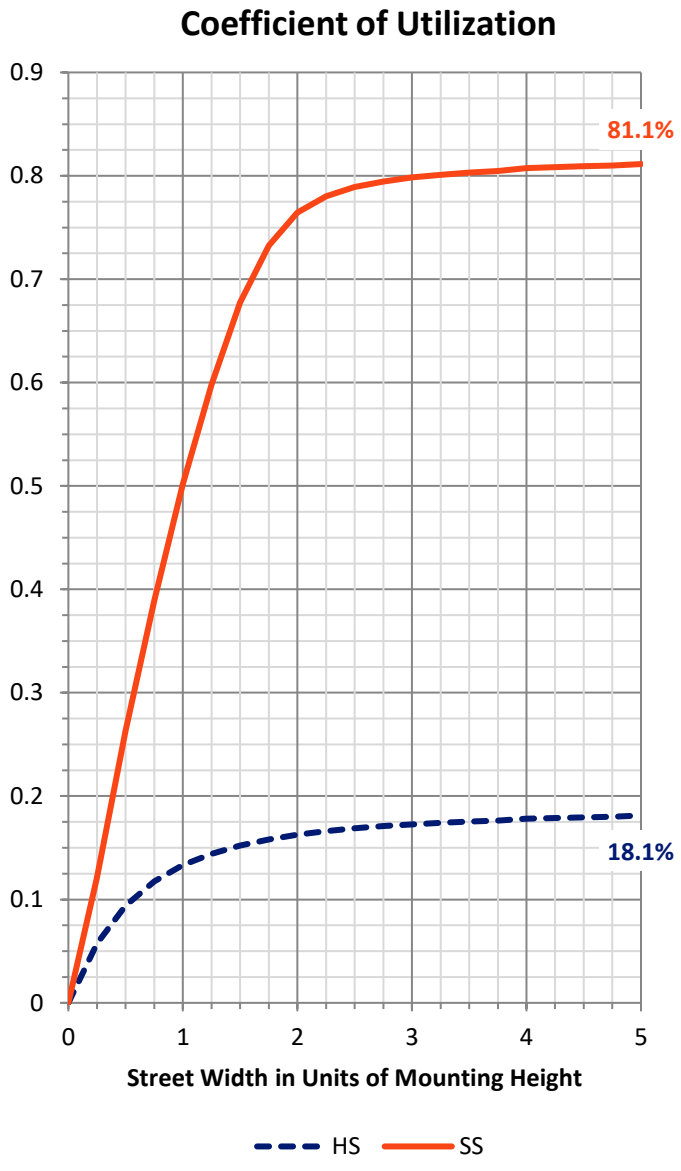
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3123.6	0.0	3123.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	13714.4	0.0	13714.4
	% Fixture	81.4	0.0	81.4
Total	Lumens	16838.0	0.0	16838.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.6	1.2
10°-20°	670.8	4.0
20°-30°	1175.4	7.0
30°-40°	1742.8	10.4
40°-50°	2548.9	15.1
50°-60°	3507.3	20.8
60°-70°	3904.7	23.2
70°-80°	2645.8	15.7
80°-90°	434.9	2.6
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°	16838.0	100.0
0°-180°	16838.0	100.0



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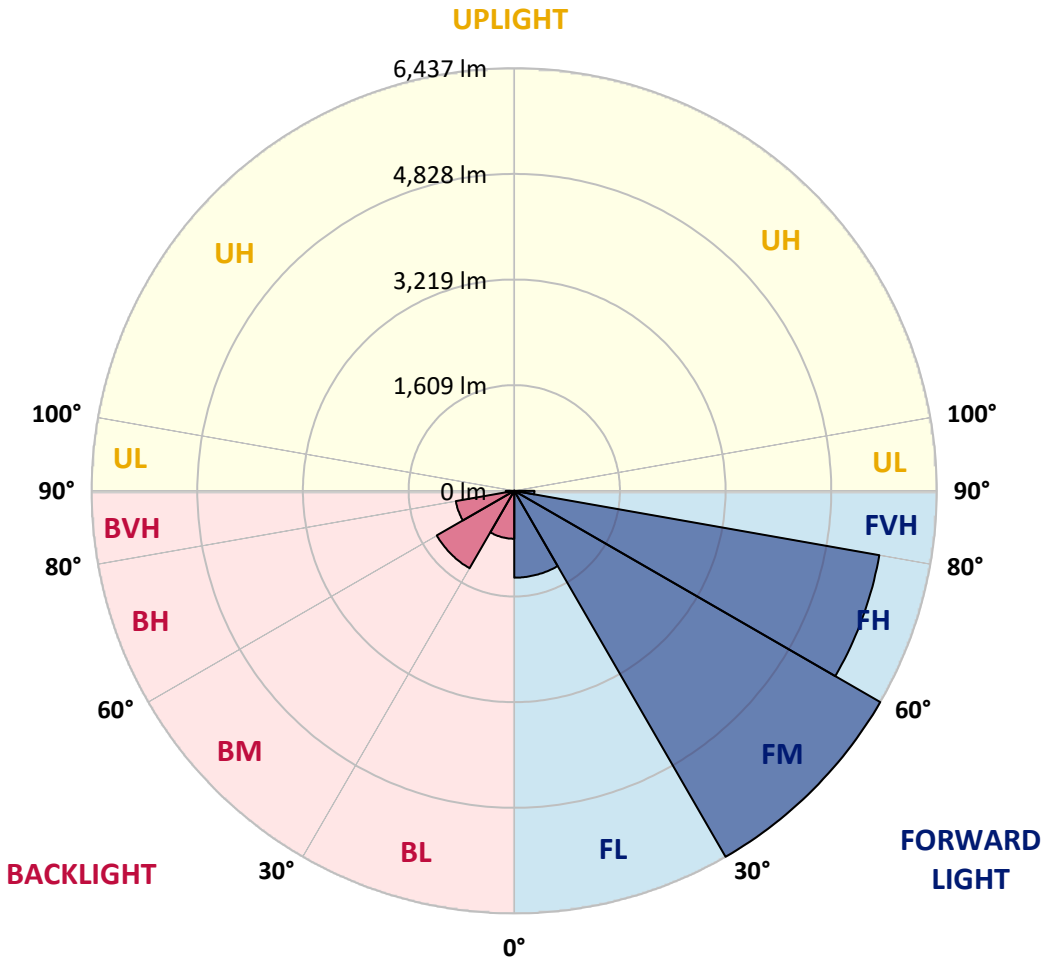
CATALOG NUMBER: GLEON-SA3C-830-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1323.6	7.9			
FM	(30°-60°)	6437.4	38.2			
FH	(60°-80°)	5646.8	33.5			G3/7500
FVH	(80°-90°)	306.7	1.8			G3/500
BL	(0°-30°)	730.2	4.3	B2/1000		
BM	(30°-60°)	1361.6	8.1	B2/2500		
BH	(60°-80°)	903.7	5.4	B2/1000		G2/1000
BVH	(80°-90°)	128.1	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Medium



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REPORT NUMBER: P318247
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	2071.5	2071.5	2071.5	2071.5	2071.5	2071.5	2071.5	2071.5	*2071.5*	2071.5	2071.5
2.5°	2288.3	2284.9	2272.7	2272.7	2249.5	2229.8	2192.7	2167.8	*2138.2*	2127.8	2093.0
5°	2509.8	2511.0	2495.9	2485.5	2451.3	2409.5	2346.3	2288.9	*2231.5*	2208.3	2137.0
7.5°	2695.9	2693.6	2689.5	2680.9	2649.0	2606.1	2520.8	2435.6	*2351.0*	2316.2	2193.3
10°	2815.4	2820.6	2824.1	2828.1	2814.8	2784.0	2703.5	2599.7	*2488.9*	2441.4	2260.5
12.5°	2875.7	2884.9	2901.2	2929.0	2951.0	2947.5	2889.0	2778.8	*2647.2*	2587.5	2344.6
15°	2911.0	2923.2	2948.7	2998.6	3060.6	3096.0	3080.3	2980.6	*2833.9*	2760.3	2447.2
17.5°	2933.0	2942.9	2982.3	3049.0	3141.2	3235.1	3276.3	3192.8	*3044.9*	2960.9	2564.9
20°	2948.1	2955.7	3004.9	3083.2	3202.6	3352.2	3467.0	3446.1	*3277.4*	3168.4	2687.8
22.5°	2981.8	2988.1	3035.1	3113.9	3246.1	3439.2	3650.8	3682.1	*3522.7*	3399.2	2819.4
25°	3075.7	3075.7	3115.1	3170.2	3294.2	3514.6	3806.2	3944.7	*3773.1*	3629.4	2941.2
27.5°	3254.8	3253.1	3267.6	3286.7	3380.6	3591.1	3944.7	4176.7	*4032.9*	3875.8	3059.4
30°	3467.0	3478.6	3480.4	3471.1	3515.1	3686.7	4072.9	4421.3	*4294.3*	4125.1	3180.6
32.5°	3740.1	3747.6	3738.9	3708.2	3701.8	3822.4	4198.7	4677.6	*4577.3*	4385.4	3291.3
35°	4086.8	4072.3	4045.0	3982.4	3922.7	4003.9	4342.5	4933.8	*4895.0*	4700.2	3443.8
37.5°	4458.4	4459.0	4425.4	4283.3	4201.0	4235.8	4540.7	5224.3	*5279.4*	5074.7	3639.2
40°	4756.4	4772.1	4792.9	4606.3	4499.6	4547.7	4792.9	5561.1	*5733.9*	5518.8	3893.7
42.5°	4964.6	4982.5	5041.7	4924.6	4813.8	4903.1	5089.8	5920.6	*6244.1*	6031.3	4191.7
45°	5184.9	5194.7	5236.5	5186.0	5115.3	5316.5	5424.3	6292.8	*6783.9*	6577.5	4525.1
47.5°	5416.8	5427.2	5470.1	5436.5	5399.4	5702.6	5773.3	6643.6	*7301.0*	7177.5	4881.1
50°	5703.2	5710.1	5750.7	5689.8	5701.4	5993.6	6085.3	6965.3	*7843.1*	7716.7	5238.2
52.5°	6093.9	6095.7	6151.9	6096.8	6042.3	6207.0	6353.7	7268.6	*8268.1*	8208.4	5595.3
55°	6400.1	6418.6	6603.0	6591.4	6560.1	6400.6	6578.1	7557.3	*8647.2*	8675.7	5974.5
57.5°	6204.7	6277.2	6650.5	6913.7	7170.0	6882.4	6881.3	7882.5	*8999.7*	9134.3	6391.4
60°	5434.2	5532.7	6082.9	6666.8	7468.6	7720.8	7510.9	8279.7	*9355.7*	9588.8	6913.7
62.5°	3881.0	4043.3	4788.9	5721.2	7059.3	8276.2	8792.2	8909.9	*9839.8*	10115.2	7592.6
65°	1961.9	2084.8	2709.8	3832.9	5640.0	7913.3	10184.8	10289.7	*10681.1*	10925.7	8638.0
67.5°	1192.0	1238.4	1543.3	2131.8	3457.7	6164.1	10639.3	12589.7	*12309.1*	12438.9	10128.6
70°	878.3	912.6	1102.7	1415.8	1988.6	3617.2	9244.4	14231.0	*14046.6*	14032.1	11230.1
72°	*684.1*	*709.1*	*877.2*	*1143.9*	*1454.1*	*2170.1*	*6700.4*	*13625.1*	*14544.1*	*14471.0*	*11129.2*
72.5°	648.8	670.8	823.9	1076.6	1374.1	1967.2	6024.4	13216.4	*14508.1*	14475.1	10998.8
75°	510.8	526.4	609.9	832.5	1075.5	1116.1	3301.2	10242.2	*12870.3*	13405.4	9892.6
77.5°	422.7	425.0	469.0	605.9	838.3	789.1	1621.6	7106.2	*9216.0*	9804.5	7007.7
80°	344.4	347.3	368.2	425.0	634.3	583.8	769.9	4086.2	*5159.9*	5166.3	3332.5
82.5°	274.2	274.8	298.0	310.8	455.7	417.4	441.2	1918.5	*2254.7*	2168.9	1197.8
85°	193.1	189.0	291.0	255.1	298.0	267.9	243.5	759.5	*932.3*	891.7	375.1
87.5°	64.4	66.7	129.3	165.2	173.9	151.9	108.4	291.0	*351.9*	349.0	118.9
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: P318247
CATALOG NUMBER: GLEON-SA3C-830-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2071.5	2071.5	2071.5	2071.5	2071.5	2071.5	2071.5	2071.5	2071.5	2071.5	2071.5
2.5°	2081.9	2063.4	2036.1	2006.0	1982.2	1957.9	1939.9	1930.6	1920.2	1911.5	1921.9
5°	2104.0	2069.2	2011.2	1954.4	1912.7	1875.6	1848.9	1835.0	1822.2	1813.5	1814.7
7.5°	2139.9	2083.7	1986.3	1903.4	1845.4	1805.4	1778.2	1768.9	1760.8	1758.4	1761.3
10°	2178.2	2095.3	1953.2	1843.1	1777.0	1743.9	1731.8	1738.1	1743.9	1749.2	1755.0
12.5°	2221.7	2105.7	1905.1	1772.4	1716.1	1703.4	1715.5	1743.4	1763.7	1775.8	1783.4
15°	2278.5	2115.0	1849.5	1701.6	1663.9	1678.4	1719.6	1767.7	1803.1	1825.7	1829.2
17.5°	2330.7	2114.4	1778.2	1630.3	1621.6	1663.9	1726.0	1793.8	1841.3	1873.2	1879.6
20°	2384.6	2098.8	1695.2	1560.7	1578.7	1648.3	1728.9	1810.6	1868.0	1905.1	1913.8
22.5°	2435.0	2071.5	1604.2	1497.5	1542.8	1627.4	1717.9	1800.8	1858.2	1888.3	1897.6
25°	2469.2	2024.0	1512.0	1444.2	1510.9	1601.9	1681.9	1748.6	1791.5	1806.6	1808.9
27.5°	2486.6	1961.9	1425.1	1397.8	1477.8	1560.2	1615.2	1648.3	1660.5	1659.3	1657.0
30°	2488.9	1880.2	1350.3	1360.1	1439.6	1498.7	1524.8	1518.4	1502.8	1476.1	1478.4
32.5°	2481.4	1788.0	1287.7	1324.2	1390.9	1423.9	1425.1	1394.3	1352.6	1310.3	1298.7
35°	2483.7	1697.6	1232.6	1283.6	1331.7	1346.2	1332.9	1287.7	1230.8	1176.4	1164.8
37.5°	2509.2	1618.7	1185.0	1236.6	1266.2	1269.7	1250.6	1203.0	1161.3	1107.9	1103.3
40°	2570.1	1562.5	1139.8	1183.9	1200.7	1202.4	1175.2	1141.6	1145.0	1116.6	1116.1
42.5°	2679.7	1538.1	1099.8	1128.8	1139.2	1142.7	1121.9	1100.4	1130.5	1112.0	1105.6
45°	2821.2	1543.9	1066.2	1074.9	1094.0	1110.3	1097.5	1071.4	1083.0	1002.4	975.8
47.5°	2984.6	1581.0	1039.5	1028.5	1061.6	1092.3	1072.6	1033.1	992.0	912.0	896.9
50°	3176.0	1638.4	1015.2	982.7	1026.2	1067.9	1048.2	992.0	929.9	891.1	885.9
52.5°	3375.4	1708.6	990.8	932.3	981.5	1049.4	1039.5	982.7	906.2	867.9	861.0
55°	3601.5	1779.3	960.1	873.7	933.4	1040.7	1035.5	949.1	888.2	866.8	861.5
57.5°	3882.7	1859.9	919.5	812.8	888.2	1009.4	993.1	928.8	869.7	853.4	851.7
60°	4249.1	1978.8	861.0	747.9	833.1	961.3	957.8	899.2	840.1	828.5	826.2
62.5°	4798.7	2175.3	780.4	683.0	771.7	879.5	911.4	859.2	808.8	808.2	809.4
65°	5651.0	2471.0	692.8	626.2	709.6	810.5	857.5	818.1	776.9	788.5	790.2
67.5°	6638.9	2716.2	607.0	570.5	646.4	745.0	808.8	776.9	734.6	764.7	765.3
70°	6967.7	2497.1	531.6	515.4	580.9	681.8	756.0	731.7	688.8	718.9	716.0
72°	*6484.1*	*2015.9*	*482.9*	*473.7*	*531.6*	*629.6*	*709.1*	*689.3*	*647.0*	*667.3*	*659.8*
72.5°	6331.7	1921.9	470.8	463.2	518.3	616.3	696.9	678.9	636.6	654.0	647.0
75°	5648.1	1669.2	404.7	406.4	452.2	551.4	628.5	622.7	579.2	580.9	578.6
77.5°	4096.6	1223.9	340.9	352.5	385.0	484.7	559.5	556.0	508.5	499.8	498.0
80°	1901.1	624.4	277.7	282.9	316.6	405.3	477.1	472.5	434.2	423.2	416.9
82.5°	651.1	296.8	208.7	212.2	245.2	326.4	414.0	411.1	379.2	357.7	344.4
85°	232.5	147.8	146.1	142.6	175.1	256.8	360.6	345.0	298.0	253.9	252.8
87.5°	75.4	63.2	75.4	74.8	102.0	173.9	262.1	223.2	216.3	179.7	176.2
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

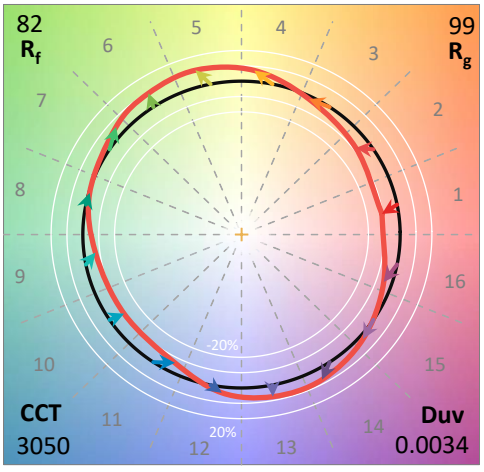
Test Information

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

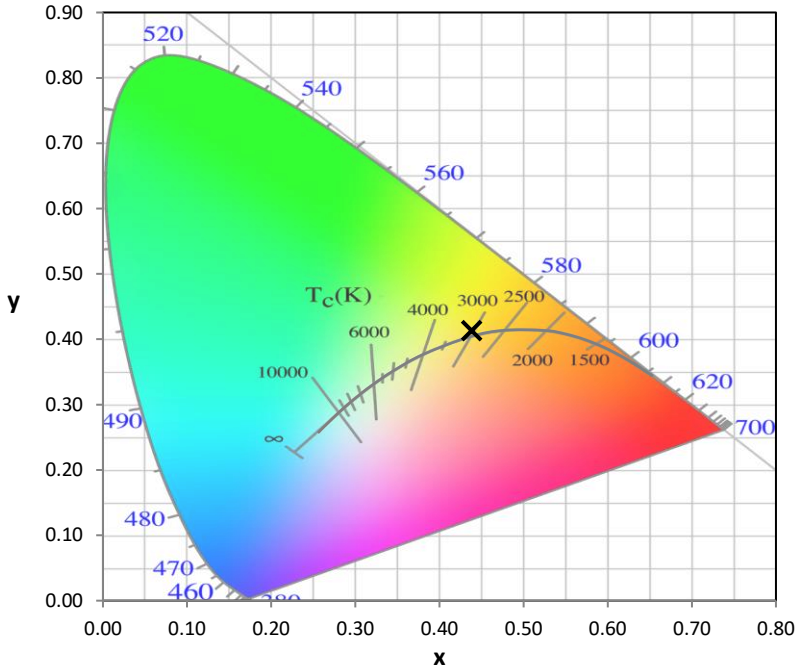
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

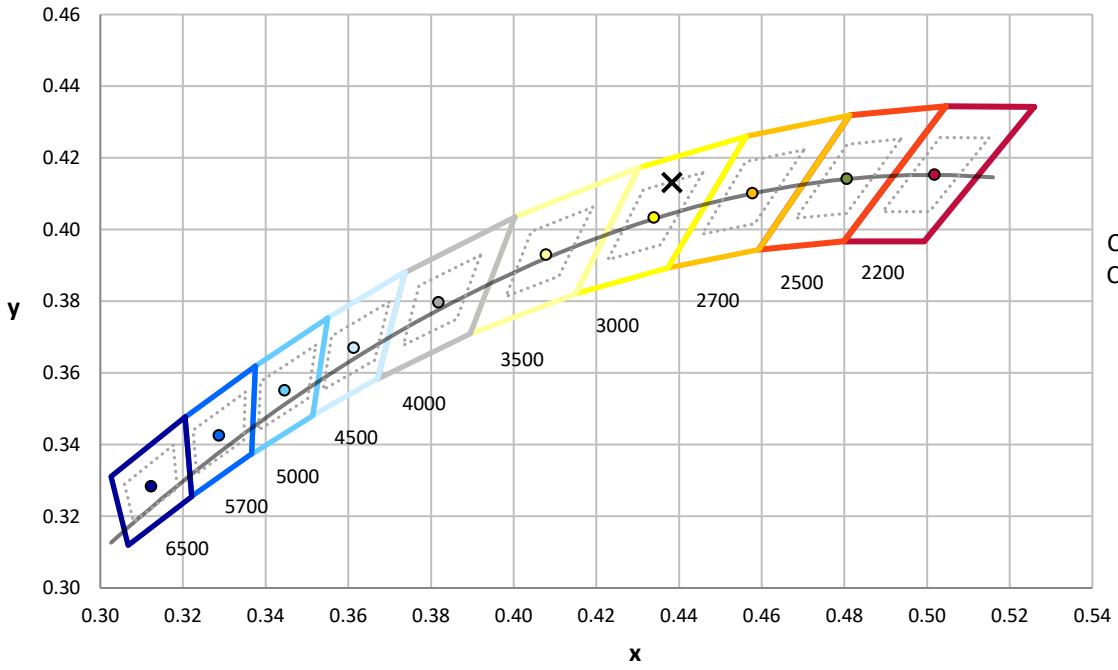
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

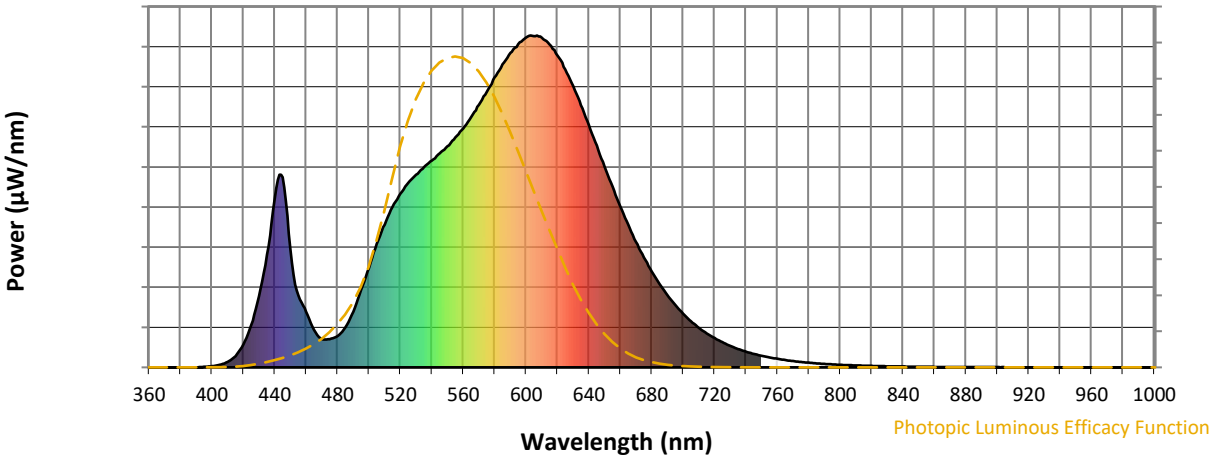


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

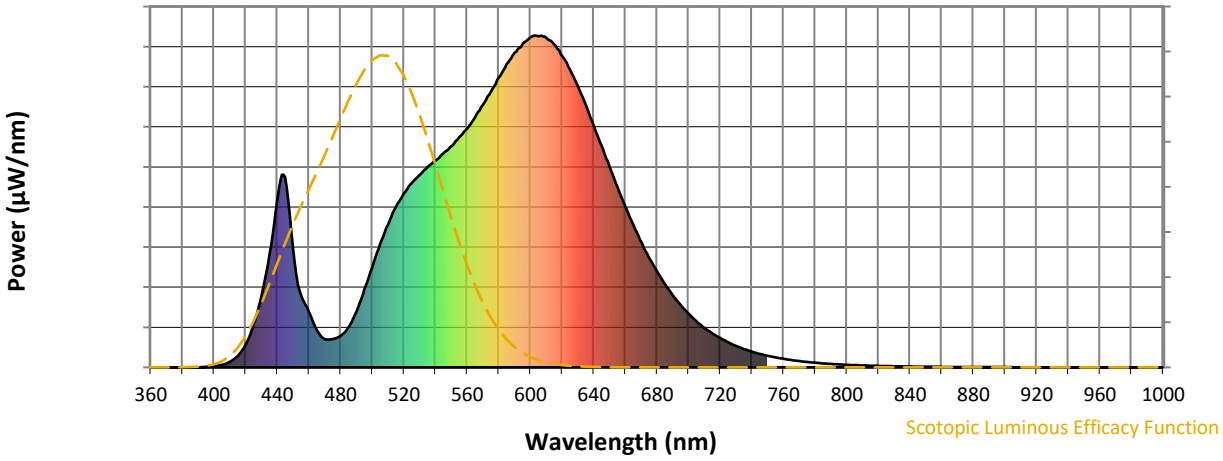


Photopic Lumens: NR

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

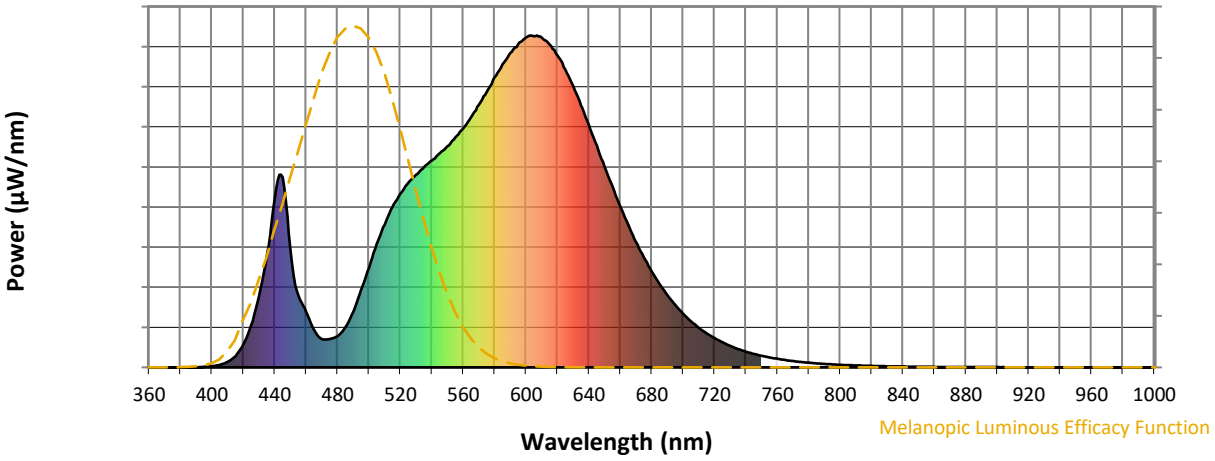


Scotopic Lumens: NR **S/P: 1.27**

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			

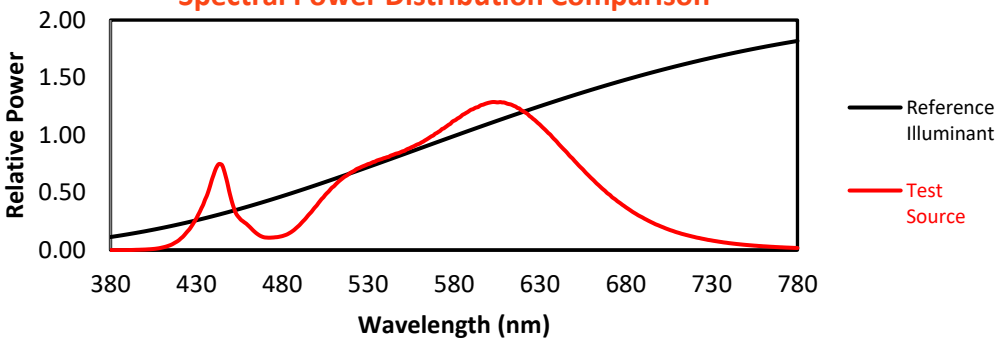
REPORT NUMBER: SP1-2408-195-9

TM-30-18

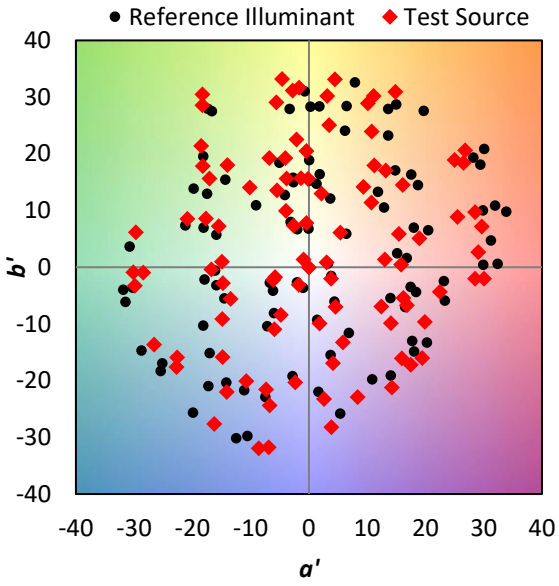
Summary

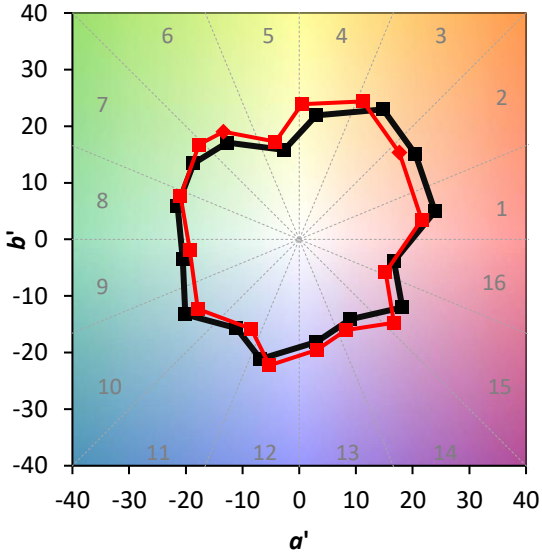
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

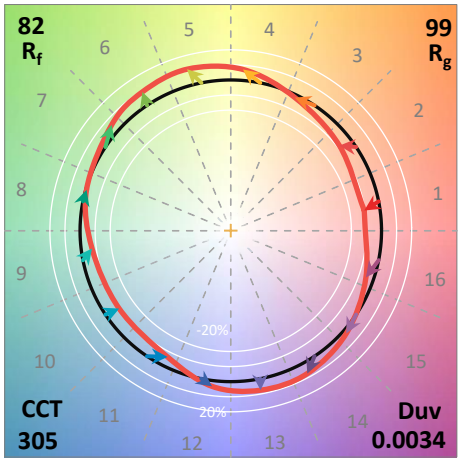
Spectral Power Distribution Comparison

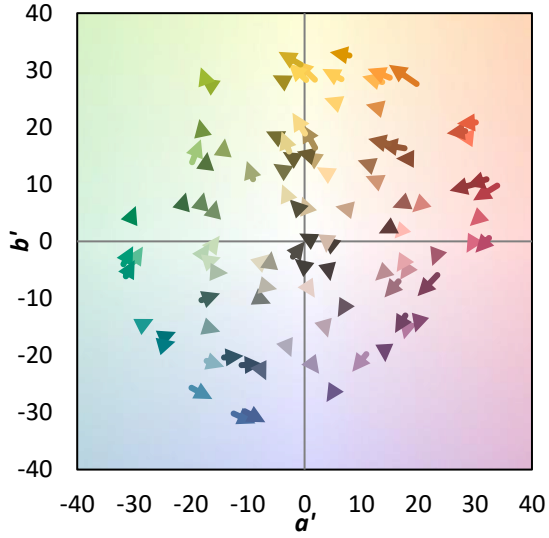


Color Vector Graphics







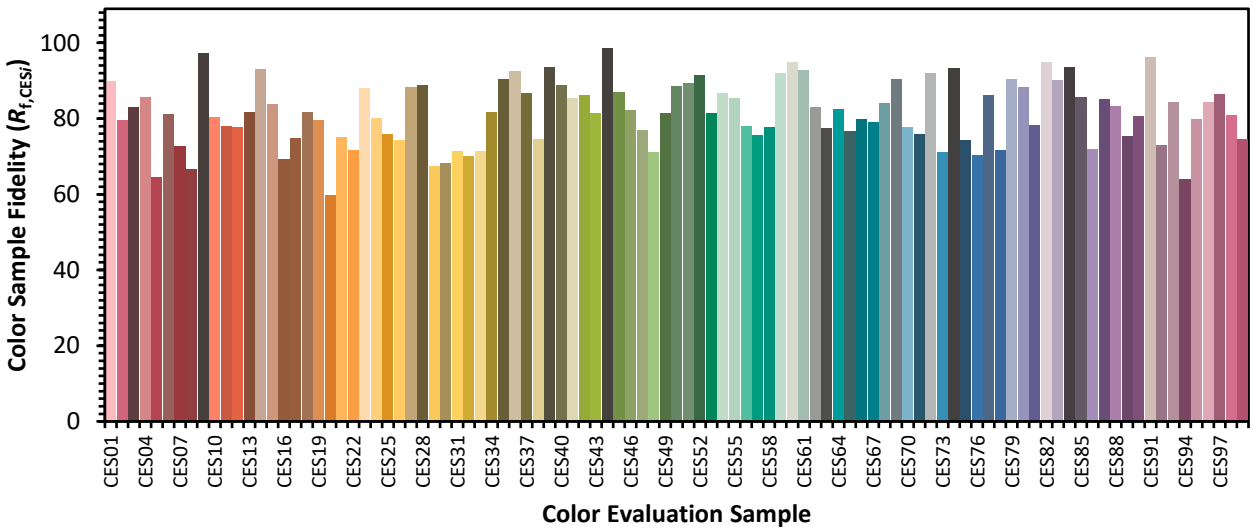


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

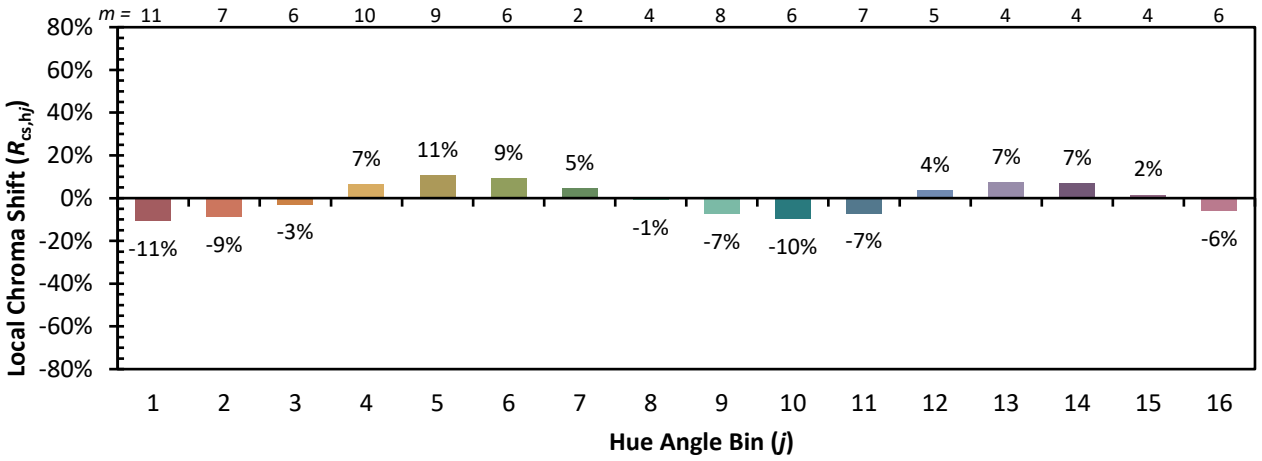
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

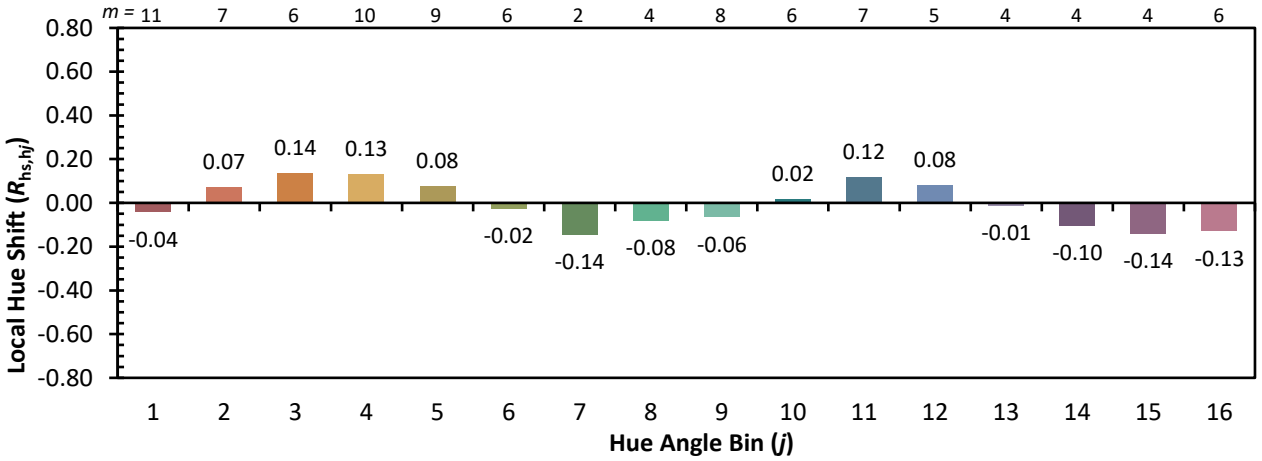


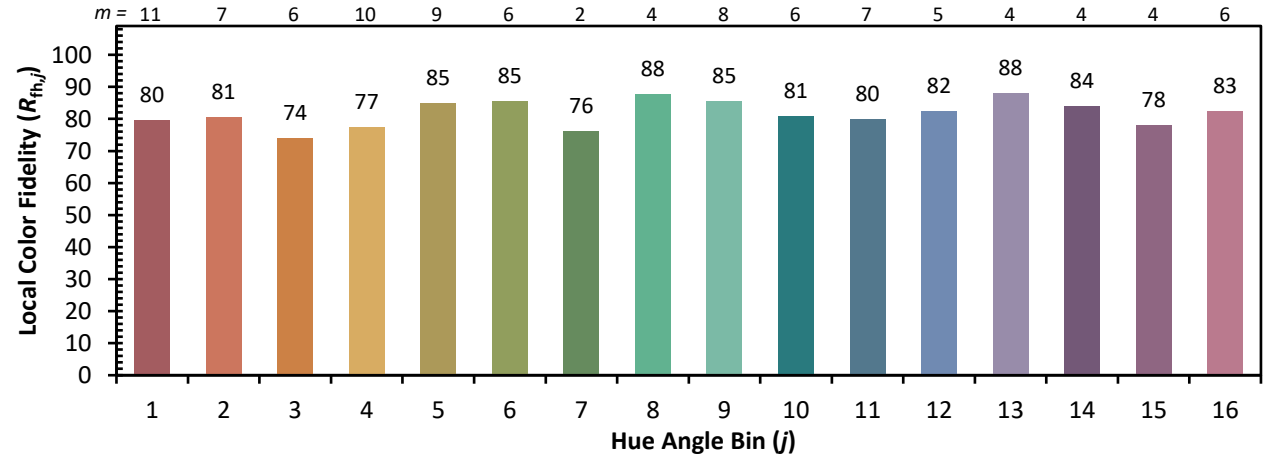
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



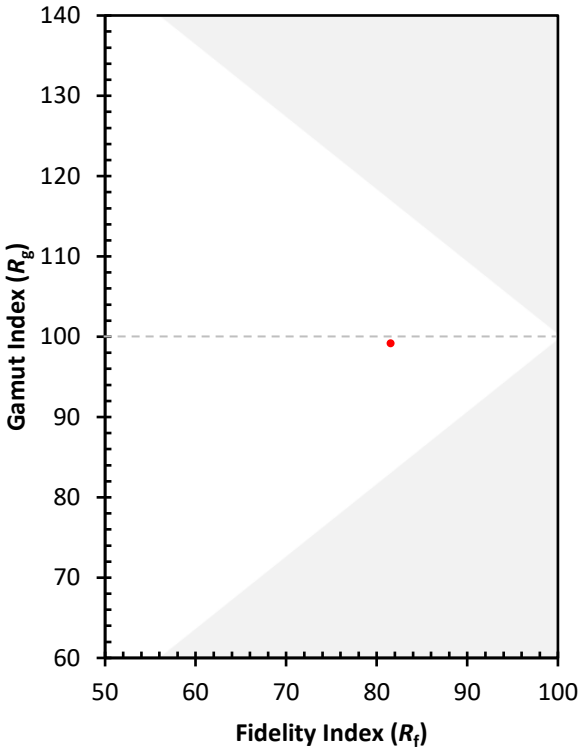


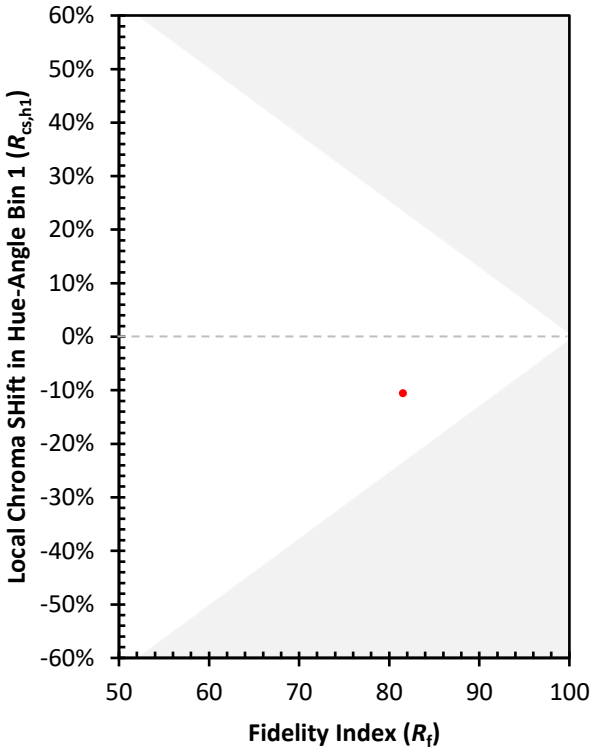


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)