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: P317590

Luminaire Tested: **GLEON-SA6A-830-U-T2R**

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:	P317590
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA6A-830-U-T2R
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23075 lumens
Efficiency:	N/A
Efficacy:	119.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	193
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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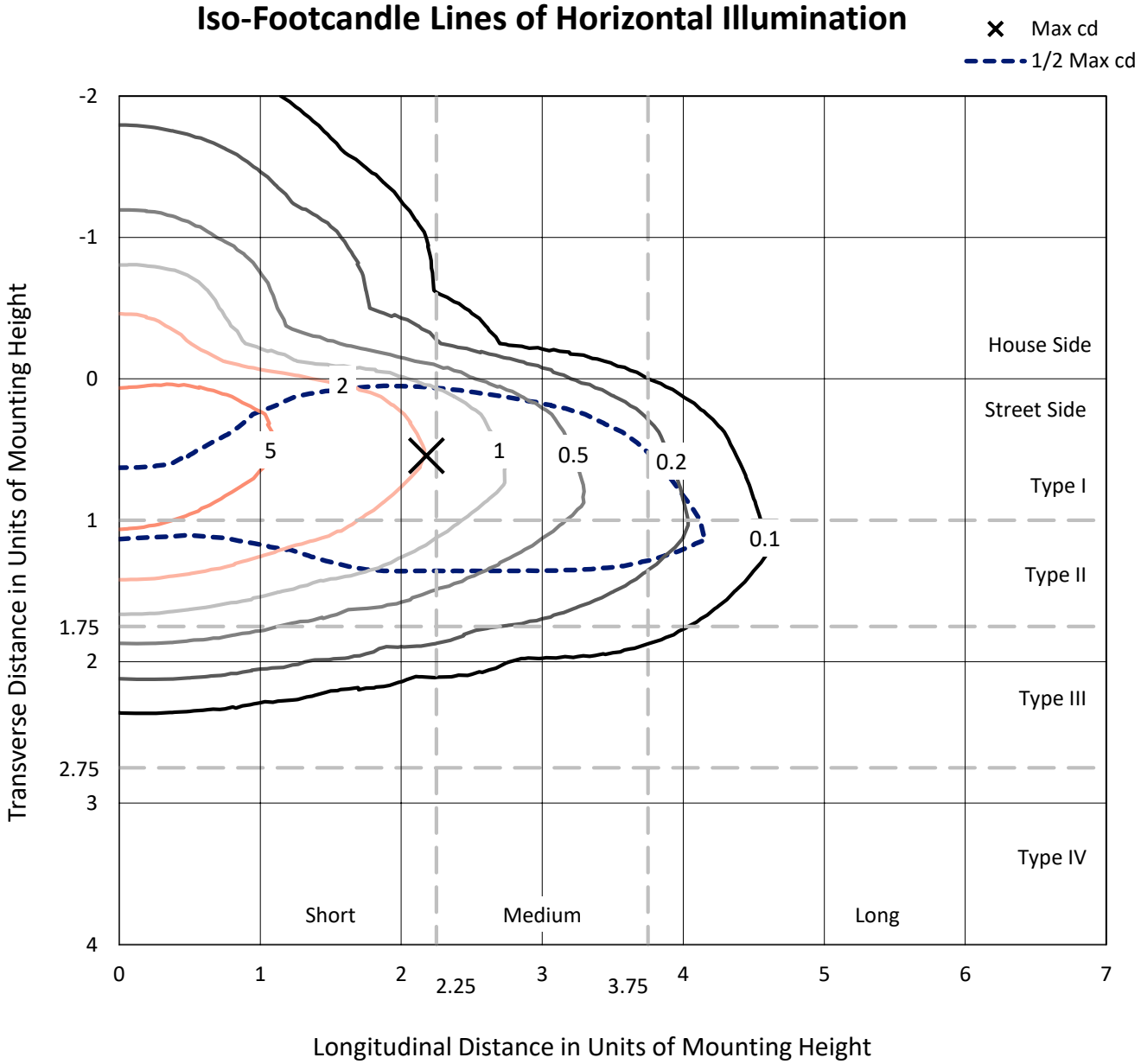
Scaled Data Report

REPORT NUMBER: P317590
CATALOG NUMBER: GLEON-SA6A-830-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
Type II - Short - N/A

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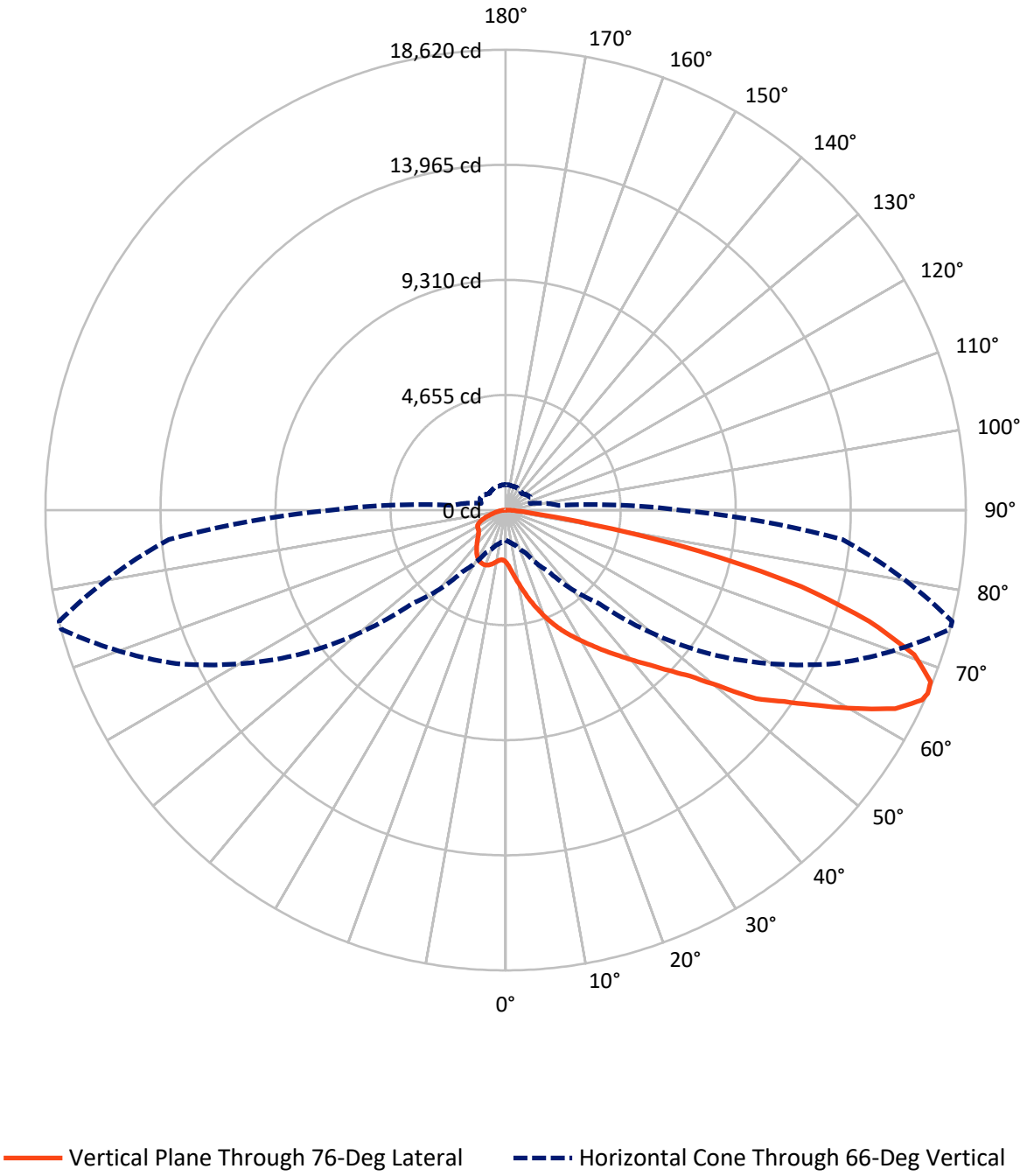
Luminous Intensity Polar Plot



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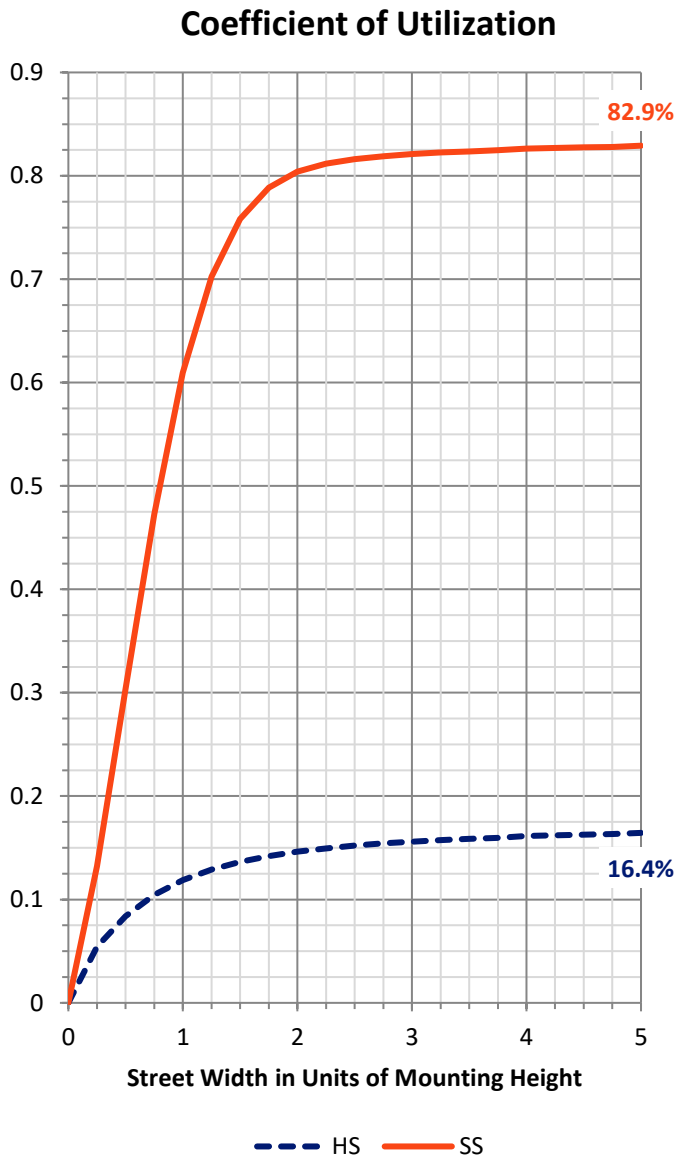
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3882.7	0.0	3882.7
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	19192.3	0.0	19192.3
	% Fixture	83.2	0.0	83.2
Total	Lumens	23075.0	0.0	23075.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.8	1.1
10°-20°	1006.3	4.4
20°-30°	1955.5	8.5
30°-40°	3191.8	13.8
40°-50°	4360.7	18.9
50°-60°	5079.3	22.0
60°-70°	4553.7	19.7
70°-80°	2301.3	10.0
80°-90°	371.6	1.6
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°	23075.0	100.0
0°-180°	23075.0	100.0



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REPORT NUMBER: P317590
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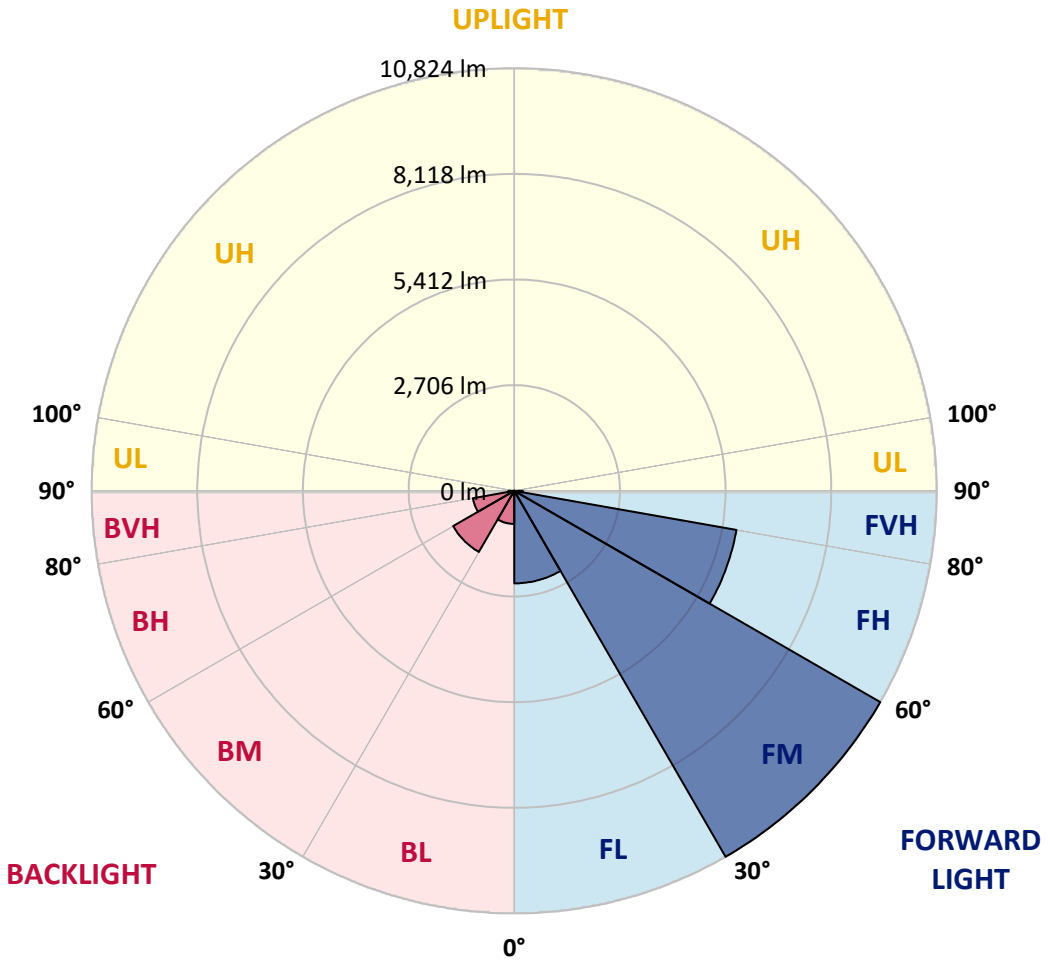
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2369.7	10.3			
FM	(30°-60°)	10823.8	46.9			
FH	(60°-80°)	5779.3	25.0			G3/7500
FVH	(80°-90°)	219.5	1.0			G2/225
BL	(0°-30°)	846.8	3.7	B2/1000		
BM	(30°-60°)	1808.0	7.8	B2/2500		
BH	(60°-80°)	1075.7	4.7	B3/2500		G3/2500
BVH	(80°-90°)	152.2	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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Scaled Data Report

REPORT NUMBER: P317590
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2107.3	2107.3	2107.3	2107.3	2107.3	2107.3	2107.3	2107.3	2107.3	*2107.3*	2107.3
2.5°	2797.4	2755.1	2751.2	2689.3	2675.2	2556.9	2470.0	2379.1	2275.7	*2255.3*	2173.9
5°	3593.3	3589.4	3535.4	3434.3	3355.2	3153.1	2953.3	2741.8	2509.9	*2472.3*	2289.0
7.5°	4309.3	4303.1	4261.5	4152.6	4038.3	3789.9	3504.8	3180.5	2804.5	*2748.8*	2444.9
10°	4853.0	4850.6	4836.5	4756.6	4659.5	4421.3	4106.4	3663.8	3146.8	*3070.8*	2640.0
12.5°	5272.9	5277.6	5287.0	5258.8	5212.6	5009.7	4686.9	4176.2	3511.9	*3436.6*	2857.0
15°	5557.2	5571.3	5619.9	5659.9	5684.1	5559.6	5247.0	4700.2	3920.8	*3830.7*	3097.4
17.5°	5700.6	5716.3	5800.1	5920.7	6032.0	6019.4	5771.1	5200.0	4313.2	*4226.3*	3356.0
20°	5824.4	5836.1	5930.1	6075.0	6271.7	6358.6	6219.2	5681.0	4743.3	*4639.9*	3630.1
22.5°	6183.1	6198.0	6226.2	6308.5	6482.4	6642.2	6574.8	6136.1	5137.3	*5041.0*	3890.2
25°	6875.6	6893.7	6832.6	6762.8	6795.7	6907.0	6919.5	6551.3	5536.9	*5428.0*	4169.9
27.5°	7709.9	7735.8	7631.6	7452.2	7295.5	7252.4	7237.6	6891.3	5918.4	*5792.2*	4446.4
30°	8527.0	8571.6	8436.1	8203.5	7916.0	7713.9	7564.2	7224.2	6294.4	*6173.7*	4707.3
32.5°	9325.2	9307.2	9110.6	8883.4	8546.6	8293.5	7931.6	7581.5	6717.4	*6578.7*	4966.6
35°	9872.0	9878.3	9695.8	9426.3	9105.1	8910.8	8423.6	7966.9	7149.0	*7021.4*	5261.1
37.5°	10337.4	10308.4	10101.6	9850.1	9573.6	9490.5	8999.4	8391.5	7616.7	*7477.3*	5574.5
40°	10492.5	10458.8	10323.3	10142.3	9920.6	9913.6	9634.7	8872.5	8145.5	*8007.6*	5927.8
42.5°	10398.5	10355.4	10299.8	10250.4	10182.3	10213.6	10231.6	9436.5	8726.8	*8572.4*	6336.7
45°	10051.4	9986.4	10025.6	10132.9	10281.0	10458.0	10770.6	10060.8	9377.7	*9248.5*	6816.9
47.5°	9518.0	9459.2	9581.4	9810.9	10213.6	10661.7	11280.5	10750.2	10154.8	*10026.4*	7500.8
50°	8767.5	8784.7	8959.4	9377.0	9985.6	10755.7	11908.8	11662.8	11284.5	*11164.6*	8433.8
52.5°	7536.0	7539.2	8031.1	8716.6	9581.4	10707.1	12257.4	12829.3	12826.9	*12682.0*	9322.1
55°	6392.3	6462.0	6851.4	7762.4	8926.5	10512.8	12501.0	13396.4	13839.8	*13669.8*	10150.1
57.5°	5275.2	5316.0	5684.9	6599.9	7992.0	9995.0	12750.9	14077.2	15007.0	*14899.7*	11179.5
60°	4004.6	4067.3	4448.8	5294.0	6796.5	9076.1	12774.4	14787.7	16402.2	*16294.1*	12328.7
62.5°	2599.2	2707.3	3064.5	3856.5	5350.4	7754.6	12229.2	15252.2	17724.6	*17686.2*	13348.6
65°	1493.9	1575.4	1823.7	2434.7	3691.2	6095.4	10932.7	15073.6	18538.5	*18516.5*	13730.1
66°	*1220.5*	*1271.4*	*1461.8*	*1902.8*	*3045.7*	*5352.8*	*10179.1*	*14696.8*	*18619.2*	*18619.9*	*13686.3*
67.5°	976.1	998.8	1084.2	1362.3	2247.5	4242.7	8832.5	13865.7	18518.9	*18546.3*	13403.5
70°	807.7	819.4	846.0	913.4	1226.8	2558.5	6269.3	11705.9	17512.3	*17533.4*	12299.7
72.5°	724.6	731.7	741.9	751.3	865.6	1429.7	3829.1	9364.4	15354.1	*15381.5*	10617.8
75°	656.5	660.4	658.8	659.6	726.2	911.1	1978.8	6991.6	12414.9	*12360.0*	8133.7
77.5°	576.6	580.5	572.6	574.2	642.4	700.3	984.7	4894.5	8378.2	*7991.2*	4582.7
80°	487.3	490.4	487.3	492.7	559.3	528.8	572.6	2753.5	3704.6	*3504.0*	1629.4
82.5°	368.2	381.5	390.9	412.8	460.6	376.0	383.1	1072.4	1128.1	*1074.0*	499.8
85°	161.4	196.6	294.5	315.7	346.2	225.6	251.5	437.1	459.1	*445.0*	181.7
87.5°	42.3	46.2	145.7	183.3	191.9	101.8	130.8	199.0	209.9	*199.0*	60.3
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: P317590
CATALOG NUMBER: GLEON-SA6A-830-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2107.3	2107.3	2107.3	2107.3	2107.3	2107.3	2107.3	2107.3	2107.3	2107.3	2107.3
2.5°	2130.8	2092.4	2023.4	1962.3	1916.1	1884.8	1853.5	1837.8	1828.4	1819.0	1820.6
5°	2198.9	2121.4	2003.1	1919.3	1872.3	1842.5	1826.8	1820.6	1816.6	1807.2	1807.2
7.5°	2301.5	2191.9	2028.9	1942.8	1905.9	1883.2	1873.8	1870.7	1866.0	1855.0	1856.6
10°	2430.8	2277.3	2083.0	1999.2	1965.5	1940.4	1927.1	1922.4	1913.8	1901.2	1902.8
12.5°	2582.8	2383.0	2154.3	2066.5	2025.8	1992.1	1970.2	1956.9	1942.0	1925.5	1926.3
15°	2748.8	2498.2	2231.0	2126.9	2071.2	2024.2	1989.0	1966.3	1942.8	1922.4	1921.6
17.5°	2917.3	2609.4	2289.8	2159.8	2084.6	2022.7	1974.9	1939.6	1910.6	1885.6	1883.2
20°	3099.0	2709.7	2322.7	2156.6	2059.5	1985.8	1922.4	1878.5	1846.4	1821.3	1817.4
22.5°	3283.9	2803.7	2328.2	2124.5	2003.9	1913.8	1847.2	1798.6	1765.7	1739.9	1730.5
25°	3453.1	2876.5	2305.5	2062.6	1926.3	1829.2	1764.2	1714.8	1688.2	1657.6	1648.2
27.5°	3607.4	2927.5	2260.0	1983.5	1839.4	1743.8	1682.7	1640.4	1611.4	1587.9	1580.1
30°	3746.1	2954.9	2185.6	1889.5	1750.1	1663.1	1611.4	1582.4	1557.3	1527.6	1522.1
32.5°	3877.7	2954.9	2090.0	1786.9	1661.5	1591.8	1561.3	1543.2	1515.0	1486.1	1478.2
35°	4009.3	2936.9	1977.2	1679.5	1580.1	1540.9	1539.3	1518.2	1475.1	1435.9	1425.7
37.5°	4147.9	2900.0	1850.3	1579.3	1513.5	1518.2	1531.5	1484.5	1423.4	1367.8	1352.9
40°	4304.6	2849.1	1718.7	1492.3	1457.9	1508.0	1510.3	1435.9	1316.8	1265.9	1252.6
42.5°	4488.7	2798.2	1596.5	1415.6	1414.0	1477.4	1470.4	1330.9	1259.7	1233.8	1226.8
45°	4730.8	2769.2	1480.6	1342.7	1379.5	1428.1	1402.2	1273.0	1243.2	1228.3	1222.1
47.5°	5112.3	2784.1	1374.0	1284.7	1345.0	1378.7	1275.3	1249.5	1228.3	1210.3	1204.0
50°	5590.1	2775.5	1287.9	1244.8	1305.9	1327.0	1218.1	1218.9	1208.0	1187.6	1178.2
52.5°	5949.7	2708.1	1232.2	1222.1	1271.4	1235.4	1182.1	1189.2	1183.7	1153.9	1143.7
55°	6296.7	2650.1	1204.0	1213.4	1246.3	1121.0	1139.8	1157.0	1151.6	1122.6	1117.9
57.5°	6728.4	2639.2	1186.8	1215.8	1225.2	1063.8	1099.1	1121.8	1117.9	1105.3	1103.0
60°	7257.1	2642.3	1171.1	1219.7	1201.7	1021.5	1060.7	1089.7	1092.0	1089.7	1088.1
62.5°	7547.8	2556.9	1132.0	1208.7	1160.2	984.7	1020.7	1063.0	1063.8	1068.5	1067.7
65°	7301.0	2301.5	1059.1	1170.4	1090.5	954.1	986.3	1032.5	1020.7	1041.9	1041.9
66°	*7061.3*	*2154.3*	*1023.1*	*1145.3*	*1060.7*	*942.4*	*975.3*	*1016.8*	*1001.9*	*1030.9*	*1030.9*
67.5°	6571.7	1905.9	958.1	1092.0	1018.4	925.9	962.8	991.0	970.6	1013.7	1010.5
70°	5677.1	1474.3	827.2	971.4	948.7	901.7	945.5	939.3	909.5	975.3	962.8
72.5°	4786.4	1120.2	664.3	813.1	842.9	871.1	921.2	873.5	835.9	882.1	854.7
75°	3714.0	842.1	524.9	632.2	712.1	823.3	892.3	797.5	743.4	738.7	723.8
77.5°	2007.8	578.1	416.0	482.6	565.6	763.8	872.7	716.0	634.5	615.7	604.0
80°	795.1	376.0	302.4	365.8	395.6	677.6	825.7	621.2	523.3	504.5	486.5
82.5°	328.2	222.5	195.1	245.2	257.7	579.7	741.1	509.2	404.2	559.3	593.8
85°	141.0	122.2	115.9	126.9	145.7	406.6	589.9	388.6	436.3	389.3	309.4
87.5°	42.3	51.7	49.4	48.6	53.3	97.1	314.1	216.2	320.4	121.4	90.9
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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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

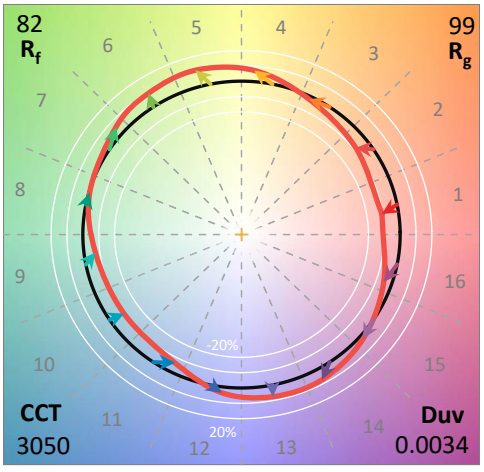
Test Information

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

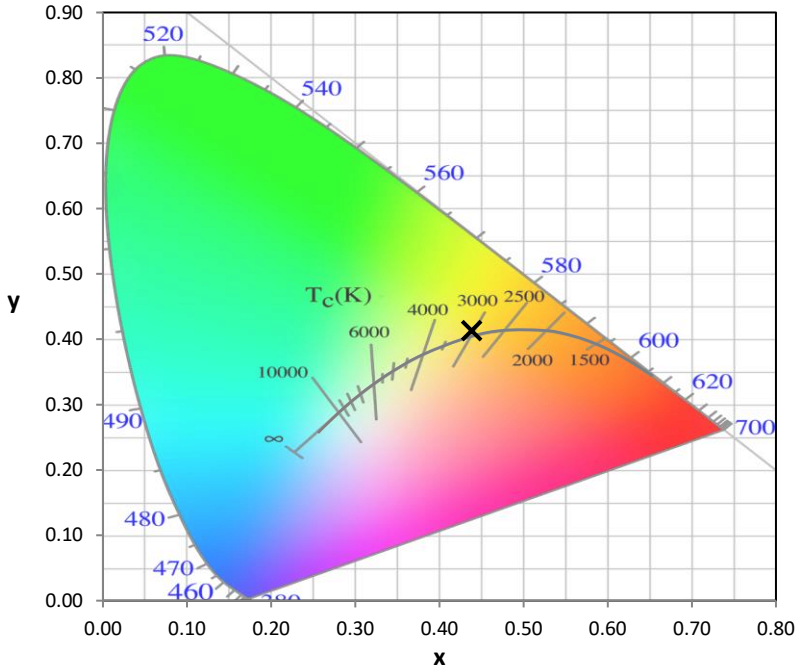
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

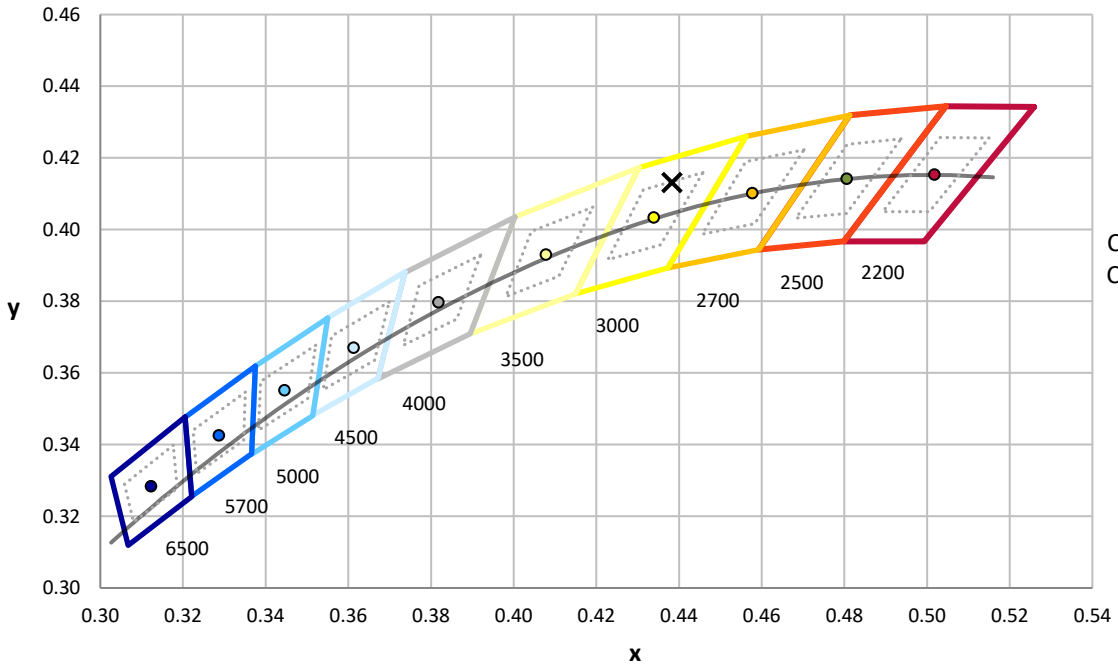
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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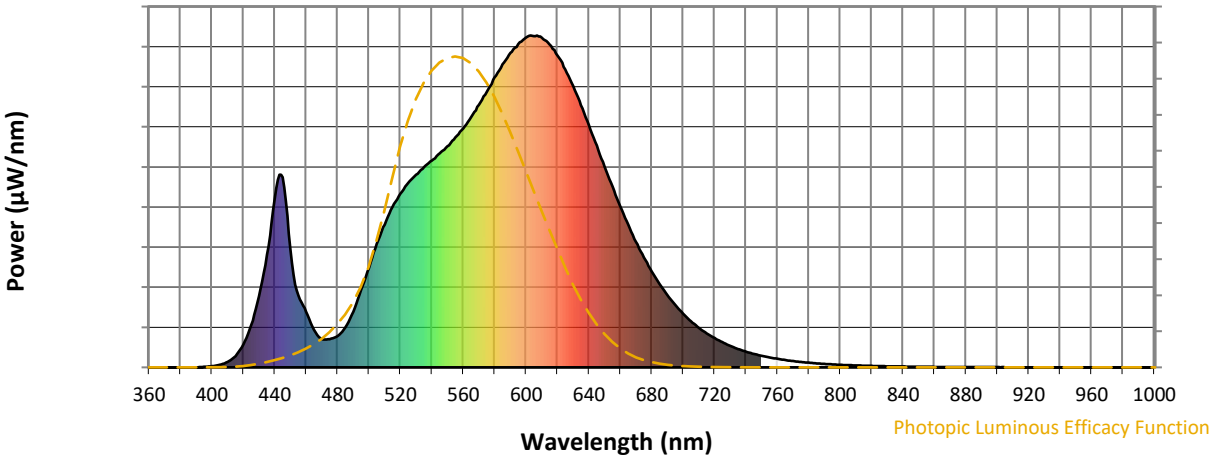
Photopic Flux vs. Wavelength



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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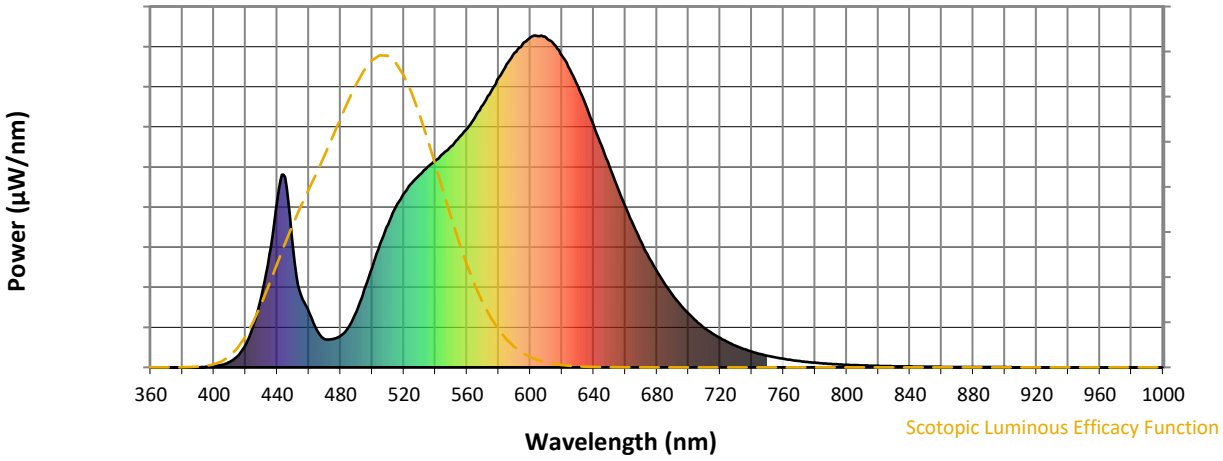
Scotopic Flux vs. Wavelength



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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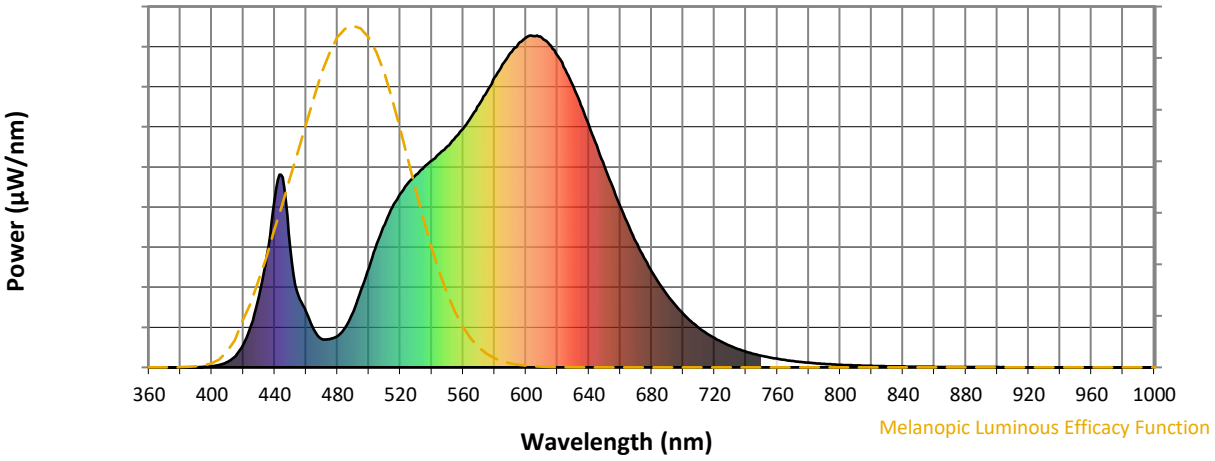
Melanopic Flux vs. Wavelength



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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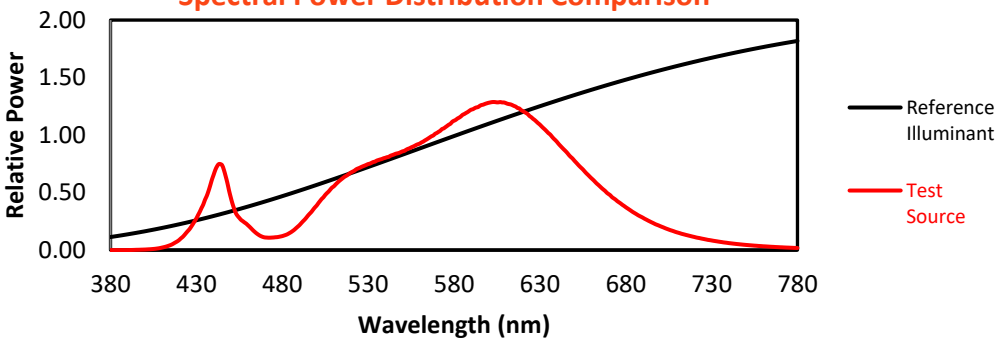
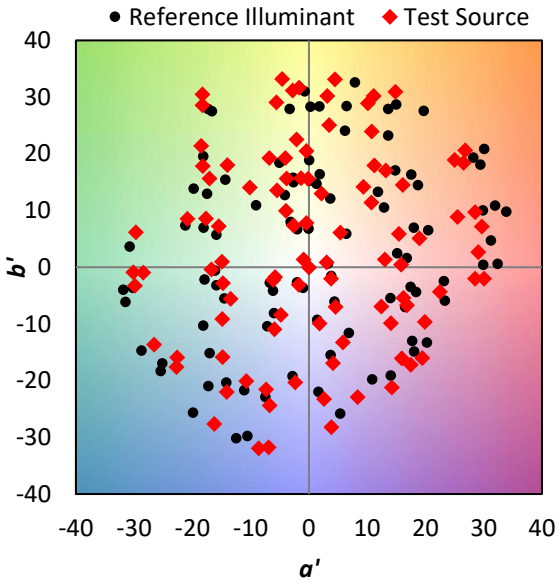
Summary

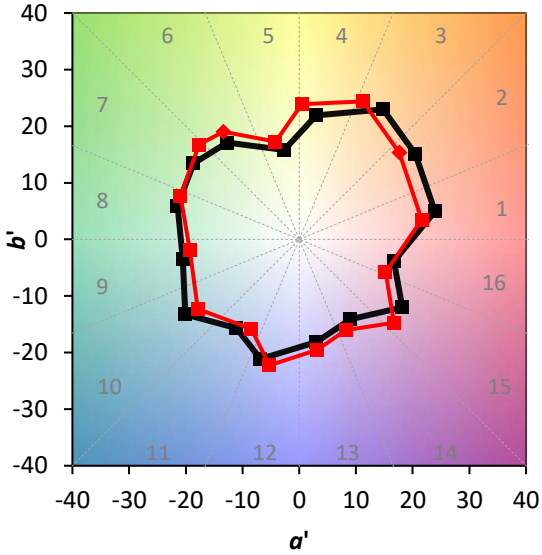
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

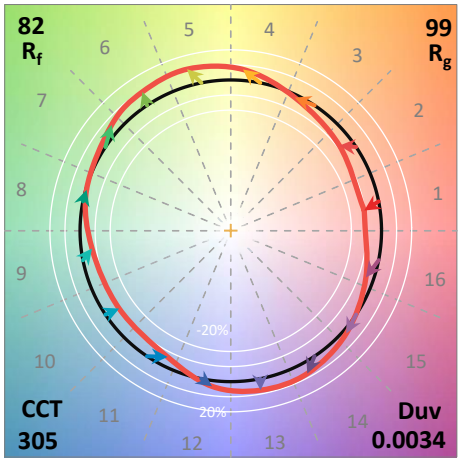
Spectral Power Distribution Comparison

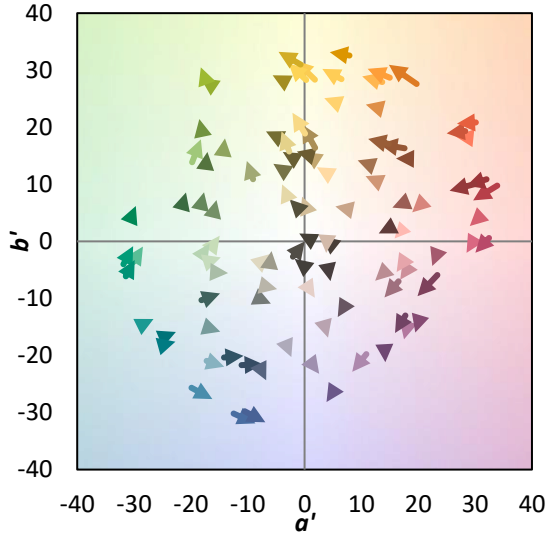


Color Vector Graphics









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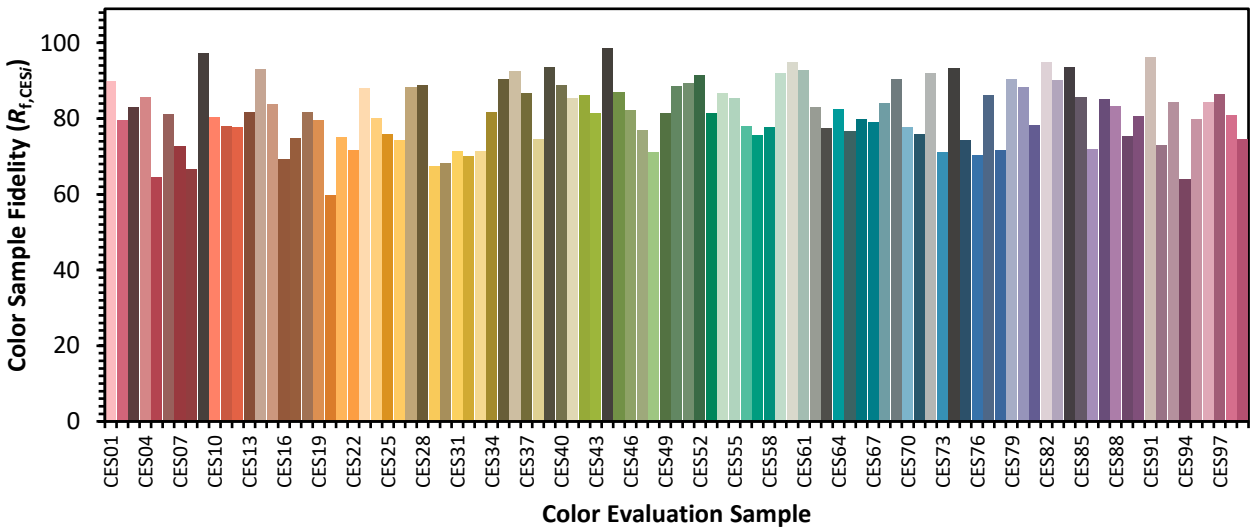
Individual Sample Fidelity Index ($R_{f,i}$)

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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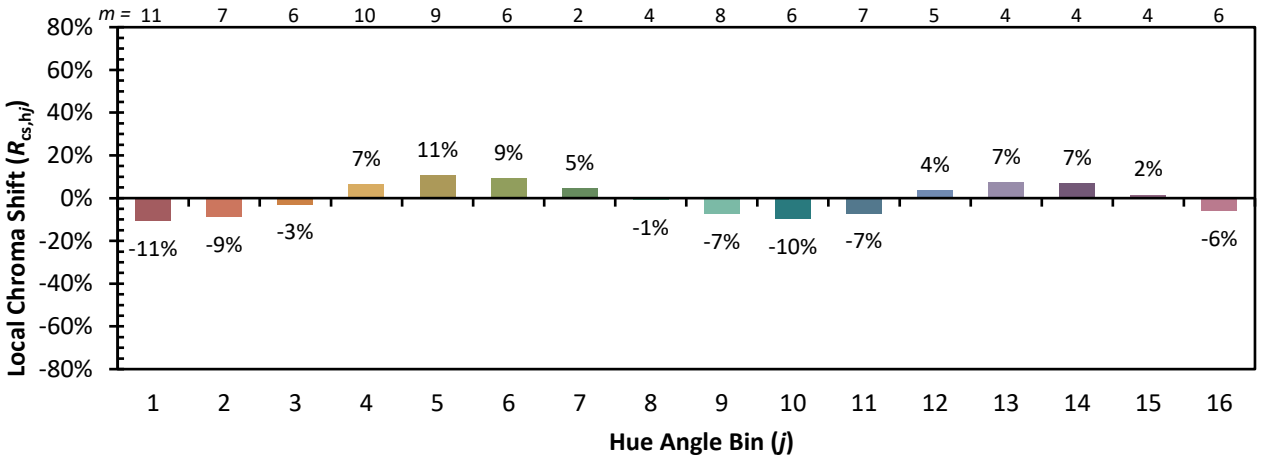
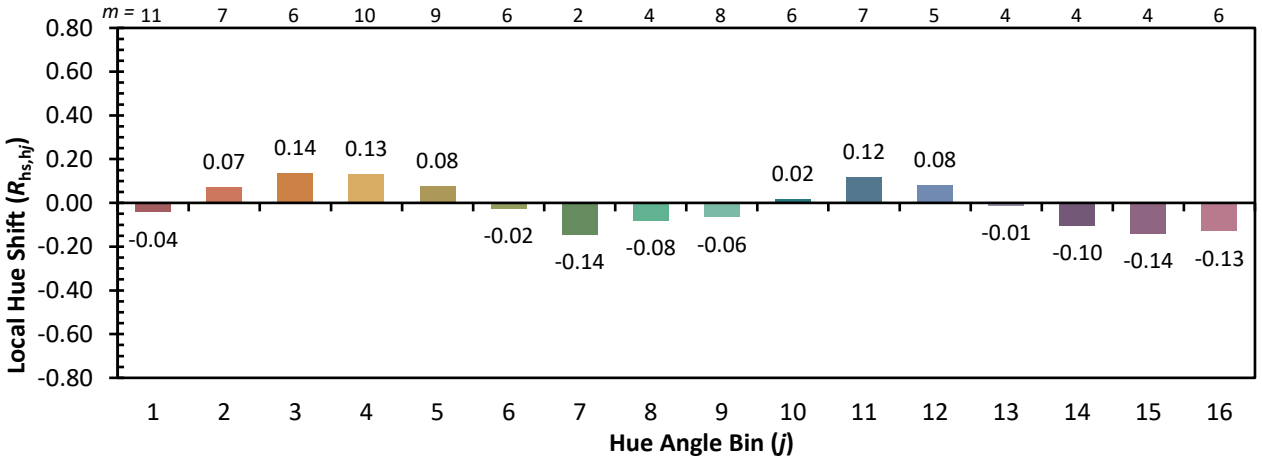
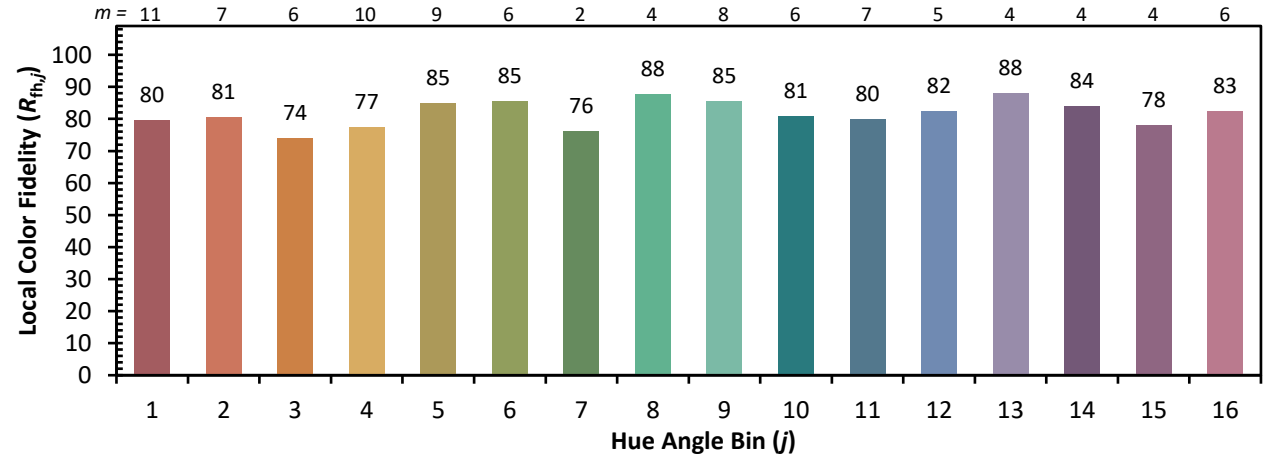
Color Rendition by Hue-Angle Bin







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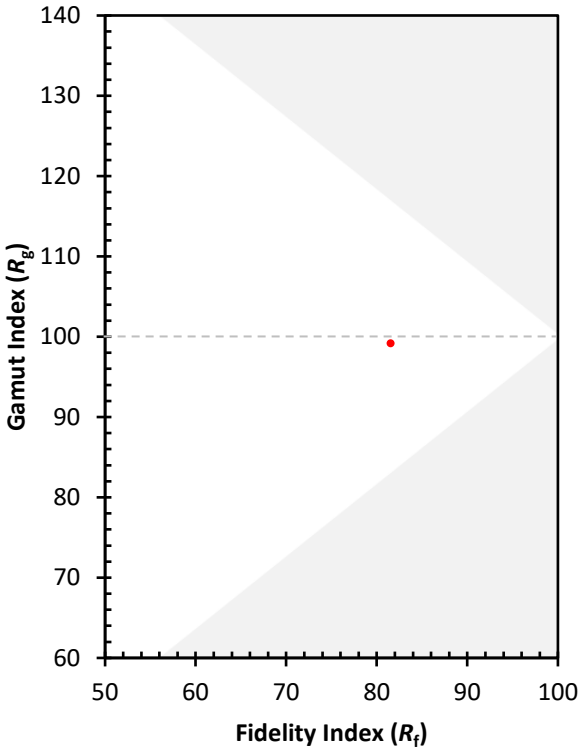
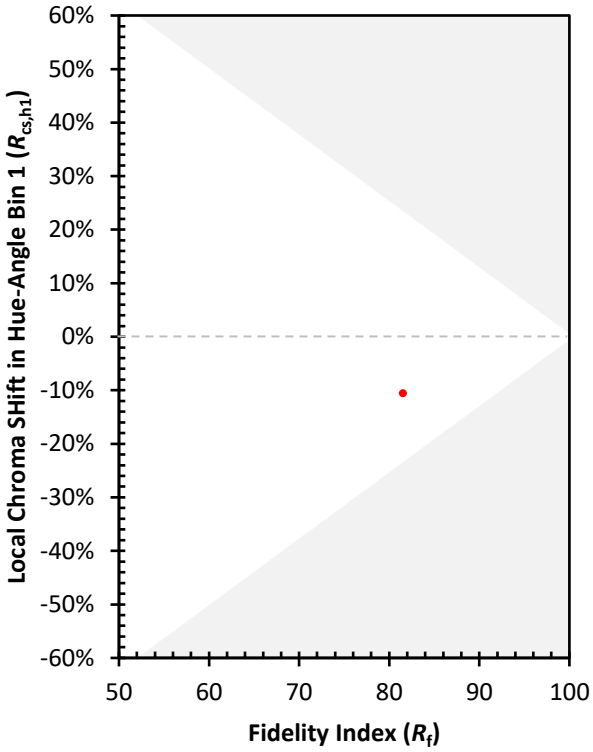
Measure Comparisons





(END OF REPORT)