Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P632526

Luminaire Tested: GWS-SA2C-830-U-RW-W-GRSBK

Issue Date: 1/10/2023

Report Generated By 670246102 / DESKTOP-G35701P

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P632526
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA2C-830-U-RW-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source:	(32) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4765.2 lumens
Efficiency:	N/A
Efficacy:	75.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B2 - U0 - G0

Input Watts (W):	63.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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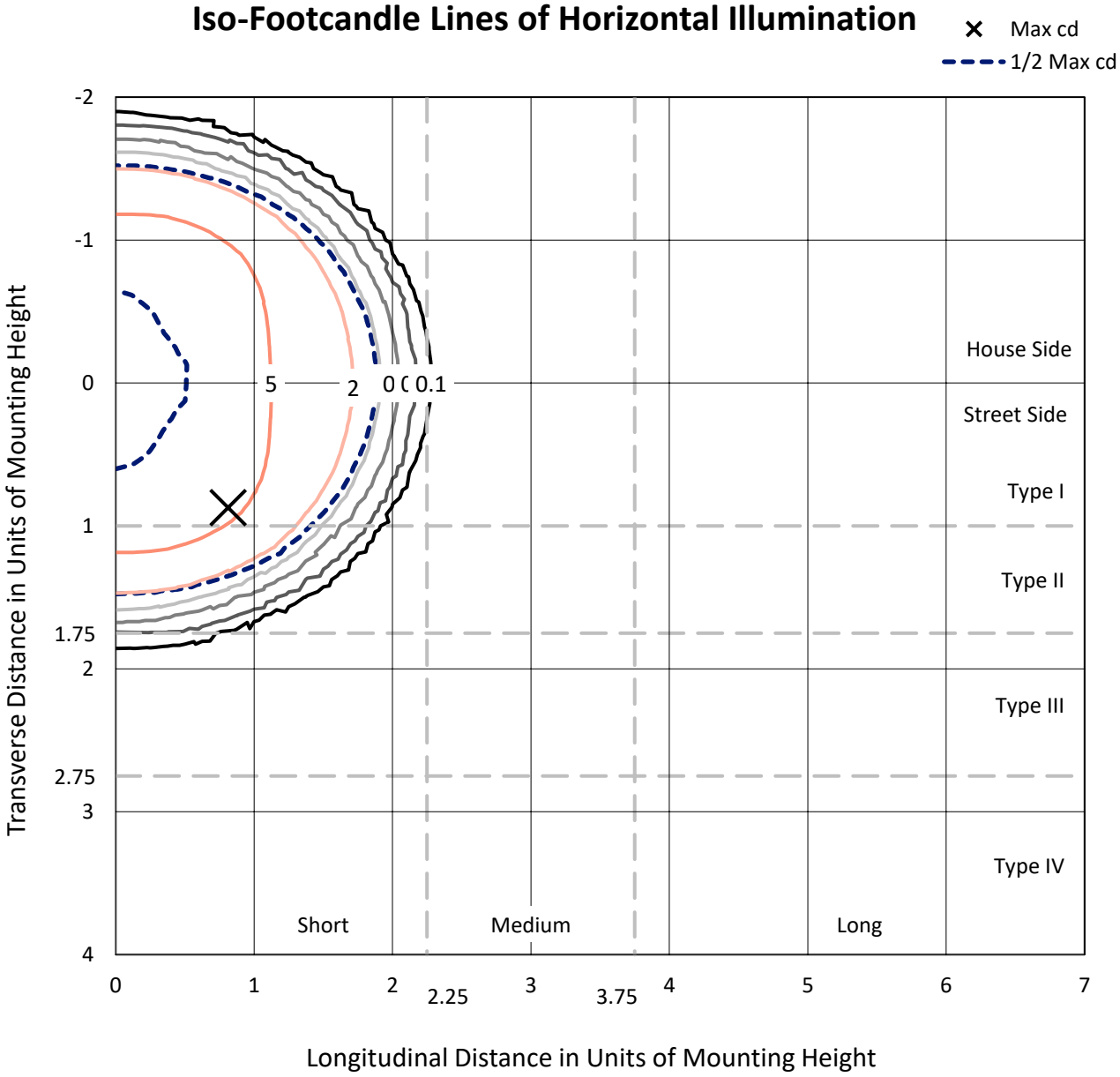
REPORT NUMBER: P632526
CATALOG NUMBER: GWS-SA2C-830-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
Type V - Short - N/A

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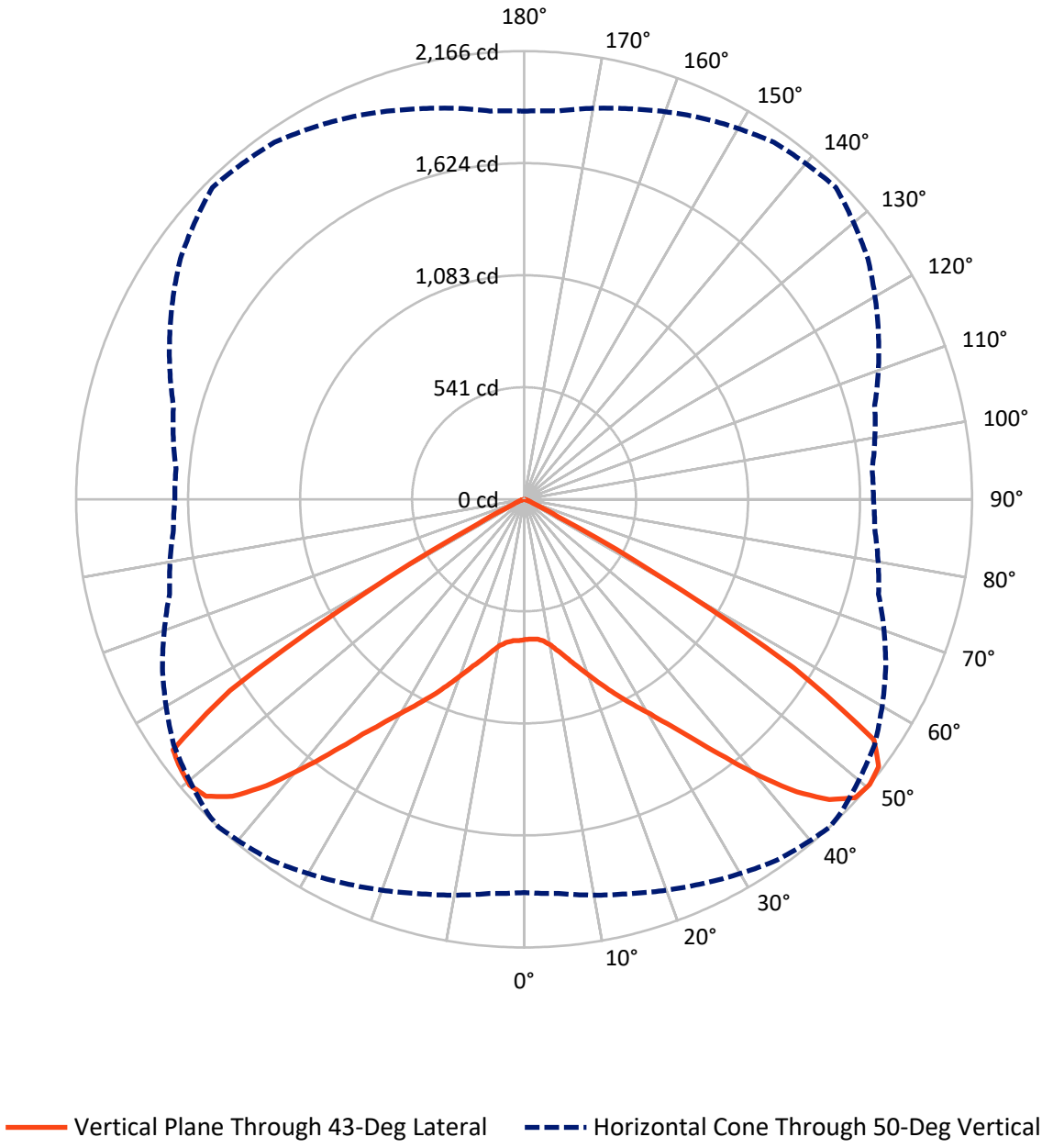
Luminous Intensity Polar Plot



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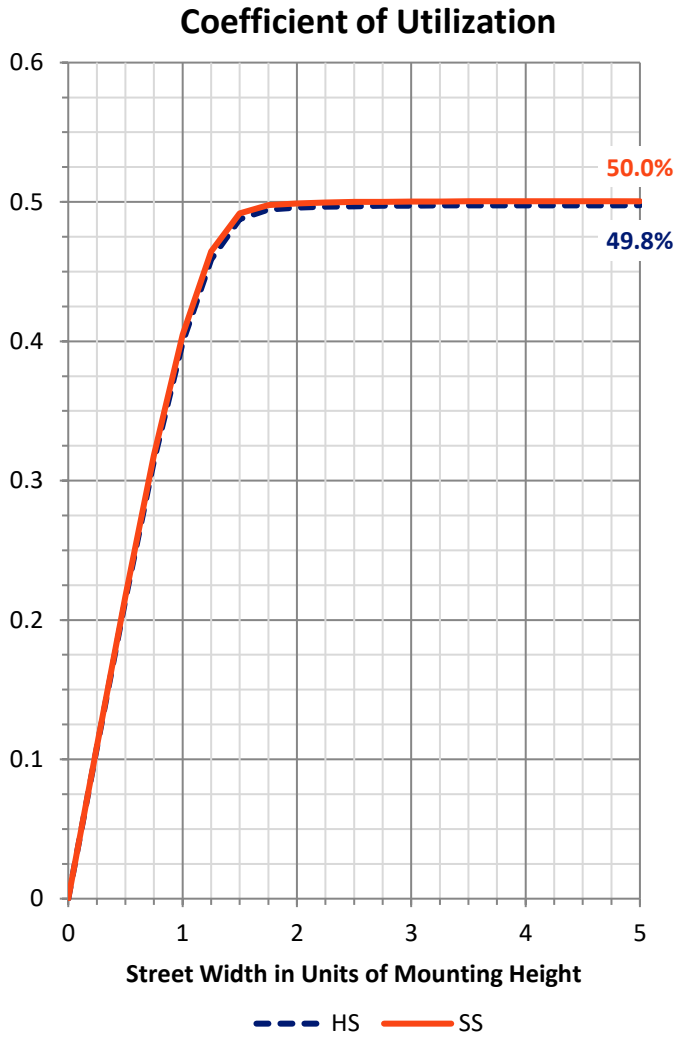
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2382.5	0.0	2382.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2382.7	0.0	2382.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4765.2	0.0	4765.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.7	1.4
10°-20°	229.7	4.8
20°-30°	464.7	9.8
30°-40°	862.2	18.1
40°-50°	1431.2	30.0
50°-60°	1460.6	30.7
60°-70°	239.5	5.0
70°-80°	10.5	0.2
80°-90°	0.1	0.0
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°	4765.2	100.0
0°-180°	4765.2	100.0



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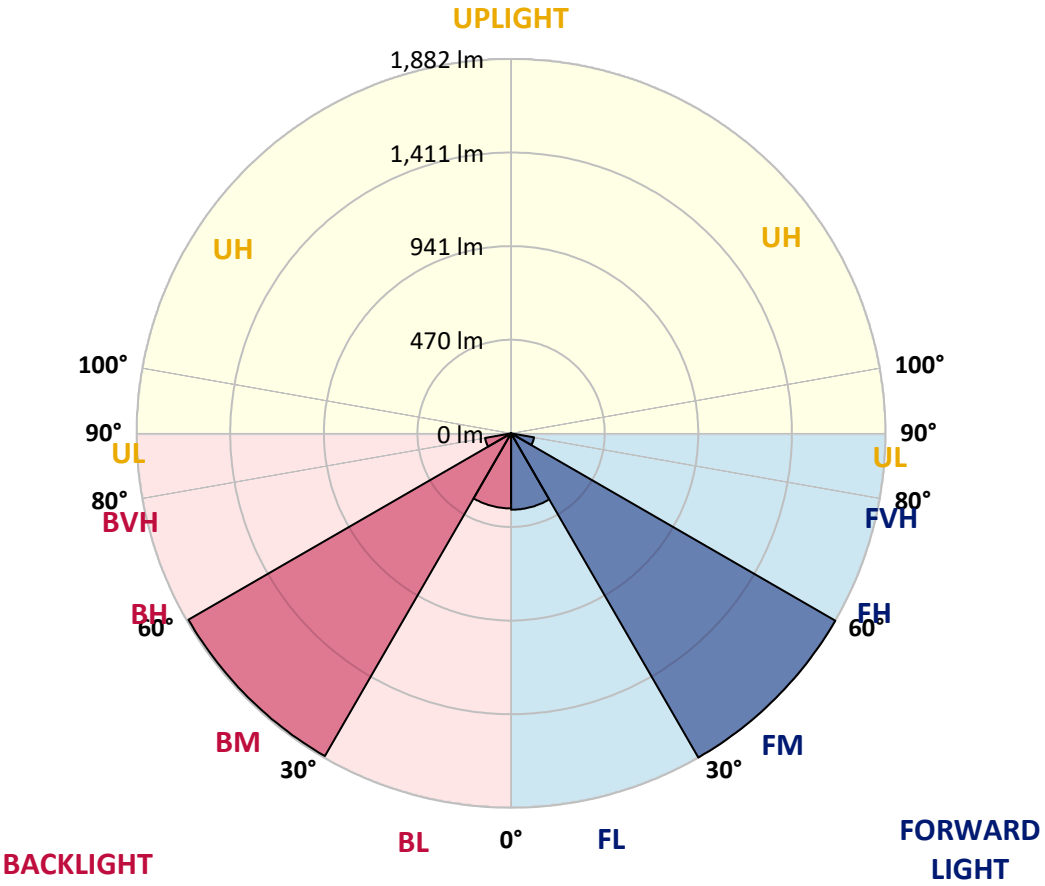
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	383.9	8.1			
FM	(30°-60°)	1881.5	39.5			
FH	(60°-80°)	117.2	2.5			G0/660
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	377.2	7.9	B1/500		
BM	(30°-60°)	1872.4	39.3	B2/2500		
BH	(60°-80°)	132.8	2.8	B1/500		G0/660
BVH	(80°-90°)	0.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
Type V Short



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REPORT NUMBER: P632526
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	677.8	677.8	677.8	677.8	677.8	677.8	677.8	677.8	677.8	677.8	677.8
2.5°	665.1	666.7	668.8	670.9	673.6	676.2	677.8	682.5	681.5	685.7	685.7
5°	657.7	659.3	662.0	666.7	672.5	678.3	682.5	692.0	697.3	705.7	708.9
7.5°	661.4	663.5	666.7	674.1	683.0	692.0	696.7	712.0	722.6	738.4	747.3
10°	673.6	675.7	680.9	693.6	705.2	717.8	723.6	743.1	760.0	781.6	794.3
12.5°	687.3	689.9	700.4	719.4	739.4	756.3	764.2	785.8	803.2	827.5	847.5
15°	701.5	705.7	722.0	750.0	778.4	801.1	809.5	832.7	850.1	875.9	898.6
17.5°	734.7	739.4	757.9	787.9	826.9	853.3	860.7	884.9	898.1	915.5	939.2
20°	776.3	785.3	808.0	844.3	887.0	912.3	917.6	941.3	940.2	947.6	968.2
22.5°	828.0	834.3	859.1	902.3	950.3	978.2	990.3	1000.3	987.1	980.8	994.0
25°	881.7	889.1	916.0	963.4	1017.2	1049.3	1059.4	1067.3	1046.2	1022.5	1024.0
27.5°	951.3	956.6	982.9	1033.5	1087.3	1123.7	1132.6	1146.3	1118.4	1080.4	1069.9
30°	1034.1	1039.3	1067.3	1120.5	1173.7	1204.8	1218.5	1235.4	1204.8	1157.4	1145.3
32.5°	1131.0	1136.3	1172.1	1227.0	1270.7	1304.4	1317.6	1335.5	1311.3	1258.0	1244.3
35°	1247.0	1250.1	1292.3	1351.9	1398.2	1430.9	1439.9	1461.0	1434.1	1380.8	1373.5
37.5°	1381.4	1385.1	1430.9	1500.0	1547.4	1583.8	1598.0	1603.8	1571.1	1511.6	1505.8
40°	1528.9	1541.1	1585.9	1660.2	1713.4	1759.3	1771.9	1752.4	1706.6	1625.4	1614.9
42.5°	1682.8	1693.4	1743.5	1824.1	1885.8	1932.7	1933.2	1891.0	1813.0	1700.8	1684.9
45°	1810.9	1815.1	1880.0	1961.1	2037.0	2070.2	2073.4	1997.0	1879.4	1744.5	1710.8
47.5°	1898.9	1905.8	1962.2	2040.2	2124.0	2154.0	2147.7	2052.3	1911.0	1773.0	1717.1
50°	1900.0	1911.6	1972.7	2048.1	2129.2	2165.6	2156.7	2068.1	1929.0	1774.0	1701.8
52.5°	1731.9	1750.8	1850.4	1959.5	2083.9	2146.1	2148.2	2088.7	1922.1	1757.2	1688.1
55°	1306.5	1327.1	1452.5	1638.6	1878.9	2052.3	2082.3	2064.4	1914.2	1764.5	1712.4
57.5°	691.5	675.7	745.2	929.7	1231.7	1538.4	1626.4	1769.8	1826.2	1773.5	1757.2
60°	150.7	160.7	214.0	288.3	480.7	723.6	809.5	1055.1	1347.1	1476.8	1570.6
62.5°	64.8	63.8	66.4	75.4	110.2	183.4	224.0	365.8	577.1	792.7	938.7
65°	53.2	53.8	55.9	55.9	52.2	52.7	55.3	83.8	134.9	189.2	254.0
67.5°	40.1	40.6	44.3	45.3	42.7	37.9	37.4	31.6	33.2	41.6	43.2
70°	25.3	25.3	27.4	28.5	28.5	26.4	25.8	22.7	22.1	25.3	28.5
72.5°	13.7	13.7	14.8	15.3	14.8	14.2	14.2	13.7	13.2	15.3	19.5
75°	5.8	5.8	6.3	6.3	5.8	5.8	5.8	5.8	5.8	6.9	10.5
77.5°	1.1	1.6	2.1	1.6	1.1	1.1	1.1	1.6	1.6	2.1	3.2
80°	0.5	0.5	1.1	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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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Scaled Data Report

REPORT NUMBER: P632526
CATALOG NUMBER: GWS-SA2C-830-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	677.8	677.8	677.8	677.8	677.8	677.8	677.8	677.8	677.8	677.8	677.8
2.5°	689.4	683.6	685.7	686.7	685.2	684.1	678.3	676.7	674.1	669.9	668.8
5°	712.6	707.8	707.3	704.1	696.7	687.8	676.7	672.0	666.7	661.4	660.4
7.5°	751.6	745.8	742.1	731.5	714.7	700.4	682.0	672.0	665.1	658.3	656.7
10°	801.6	794.8	784.2	764.7	742.1	721.5	699.9	686.7	676.2	666.7	666.2
12.5°	854.9	847.5	828.5	803.7	776.3	757.4	730.0	711.5	695.7	681.5	679.9
15°	910.7	901.8	875.9	846.4	821.1	801.6	771.6	742.1	717.8	697.3	695.2
17.5°	953.4	942.3	911.8	889.6	869.1	849.1	815.3	776.3	744.2	719.4	713.6
20°	980.3	969.8	940.8	928.6	919.2	904.9	864.9	824.3	788.5	757.9	752.6
22.5°	1006.1	993.5	968.2	968.2	975.6	969.8	926.5	880.2	838.0	802.7	794.8
25°	1035.1	1025.1	1007.2	1021.9	1040.4	1039.9	995.6	937.6	889.1	849.6	841.7
27.5°	1077.3	1067.3	1060.9	1088.9	1112.1	1110.5	1062.0	999.3	948.1	909.1	901.8
30°	1151.6	1142.1	1135.2	1169.0	1198.5	1187.4	1134.2	1073.6	1021.9	977.7	972.4
32.5°	1250.7	1240.7	1231.7	1265.4	1291.8	1277.5	1227.0	1170.0	1110.5	1067.3	1056.7
35°	1380.8	1359.8	1350.8	1390.9	1401.9	1386.1	1337.6	1287.6	1224.3	1174.8	1167.9
37.5°	1515.2	1490.5	1484.1	1518.9	1536.9	1531.1	1474.1	1422.0	1353.4	1298.6	1290.7
40°	1630.1	1607.5	1596.4	1650.7	1691.3	1695.0	1643.8	1580.1	1499.4	1442.5	1428.3
42.5°	1697.6	1678.1	1675.5	1759.8	1826.2	1873.6	1812.5	1746.6	1661.8	1597.5	1585.9
45°	1712.9	1700.2	1722.4	1833.0	1936.3	2022.8	1970.6	1901.0	1809.3	1741.3	1730.3
47.5°	1711.3	1707.1	1746.6	1871.0	2001.7	2108.2	2082.3	2003.8	1915.3	1844.1	1833.6
50°	*1688.6*	*1689.2*	*1755.0*	*1890.0*	*2028.1*	*2131.4*	*2105.5*	*2032.8*	*1953.7*	*1883.6*	*1875.2*
52.5°	1679.7	1676.5	1739.2	1884.2	2054.9	2120.8	2062.8	1981.1	1893.1	1806.7	1794.0
55°	1711.3	1703.4	1741.3	1879.4	2058.1	2115.0	1962.2	1785.1	1604.8	1502.6	1494.2
57.5°	1758.7	1750.3	1768.2	1844.6	1893.1	1758.7	1444.1	1158.4	972.9	894.4	860.1
60°	1570.6	1564.8	1551.1	1458.8	1251.2	943.9	643.0	410.0	294.6	238.2	238.2
62.5°	974.5	966.6	892.3	663.0	481.7	278.8	153.4	95.9	72.7	68.0	67.5
65°	273.5	272.0	225.0	159.2	101.2	62.7	55.3	56.4	55.3	53.8	53.2
67.5°	41.1	45.3	45.3	36.9	35.3	39.5	46.4	49.5	46.9	44.3	43.2
70°	26.4	28.5	27.4	23.7	25.3	29.5	33.2	33.7	32.1	29.5	29.0
72.5°	18.4	20.6	16.9	15.3	15.8	17.4	19.0	19.0	18.4	17.4	16.3
75°	11.1	11.1	7.9	7.4	7.4	7.9	7.9	9.0	9.0	8.4	7.9
77.5°	3.7	4.2	2.6	2.1	2.1	2.1	2.6	3.2	3.2	2.6	2.1
80°	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	0.5
82.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
87.5°	0.0	0.0	0.0	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

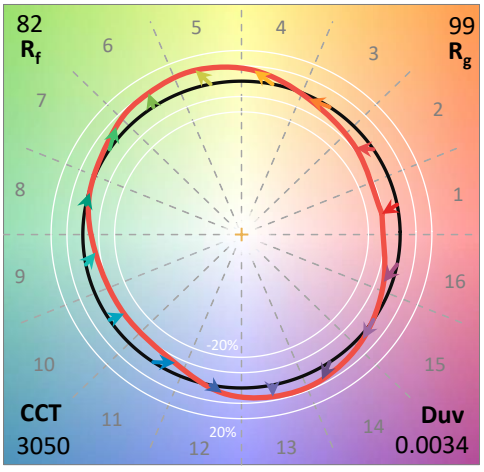
Test Information

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

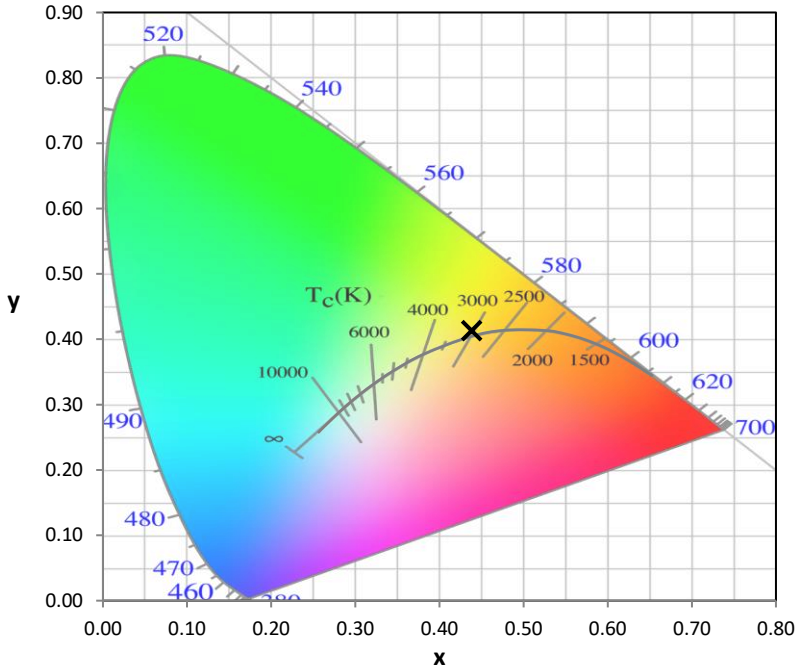
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

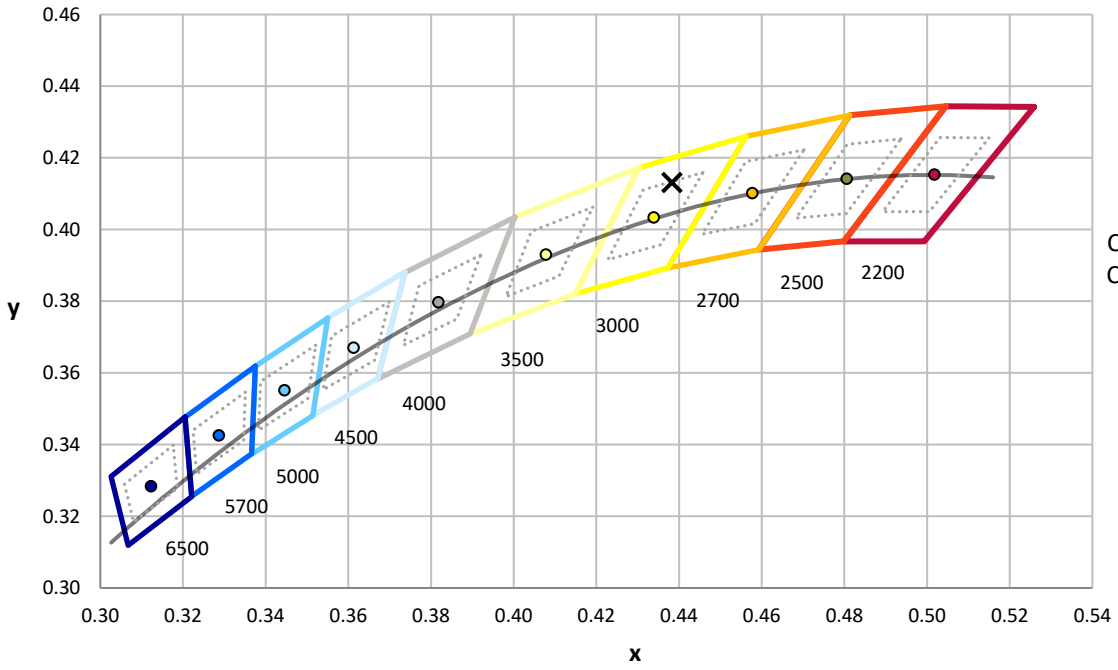
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

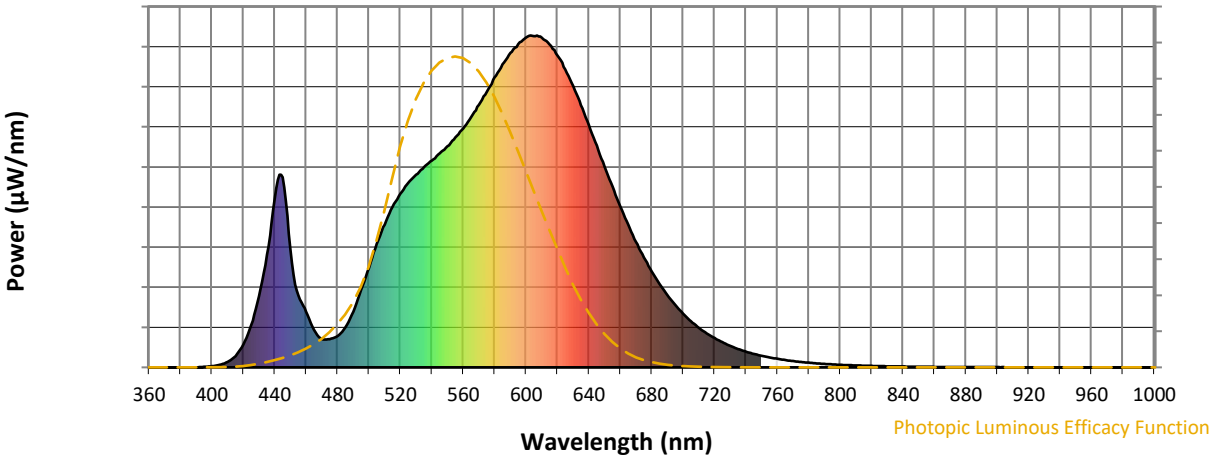


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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			

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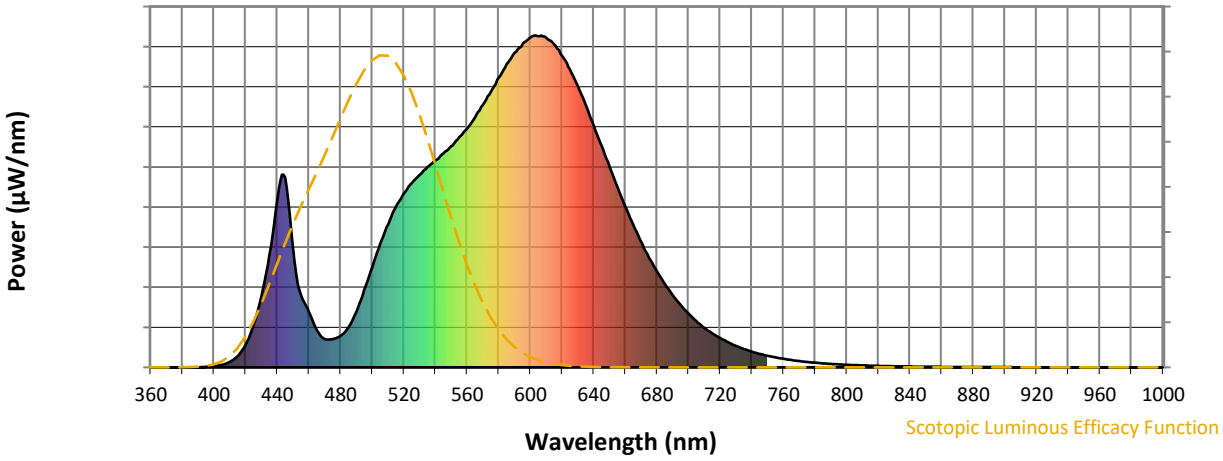
Scotopic Flux vs. Wavelength



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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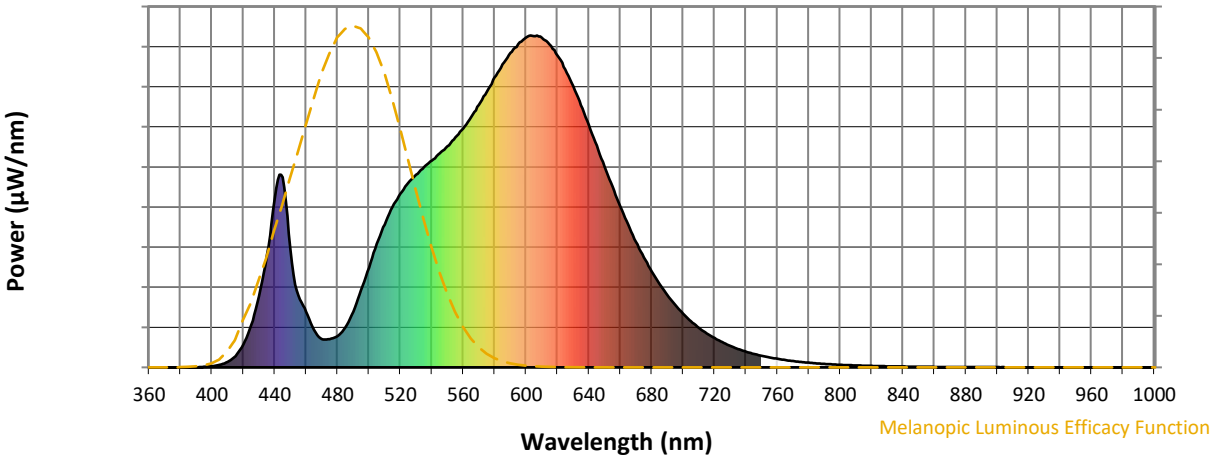
Melanopic Flux vs. Wavelength



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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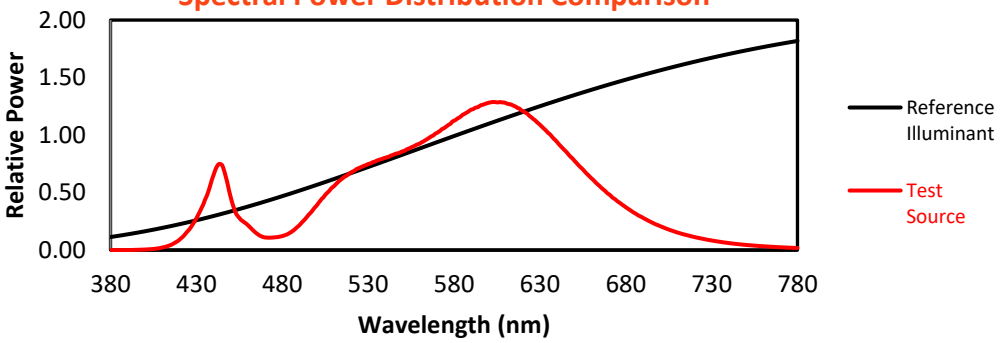
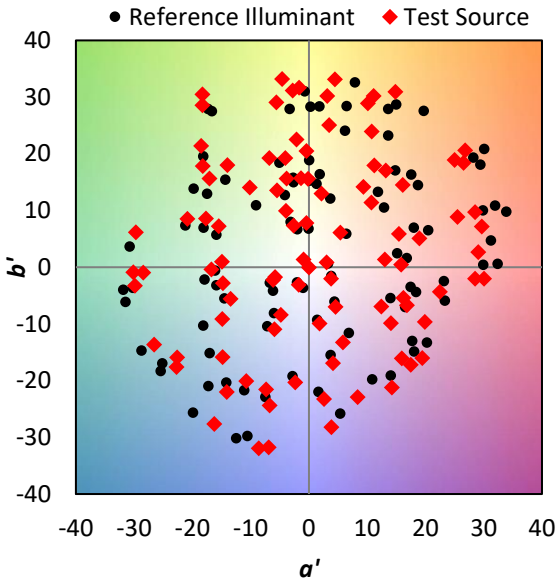
Summary

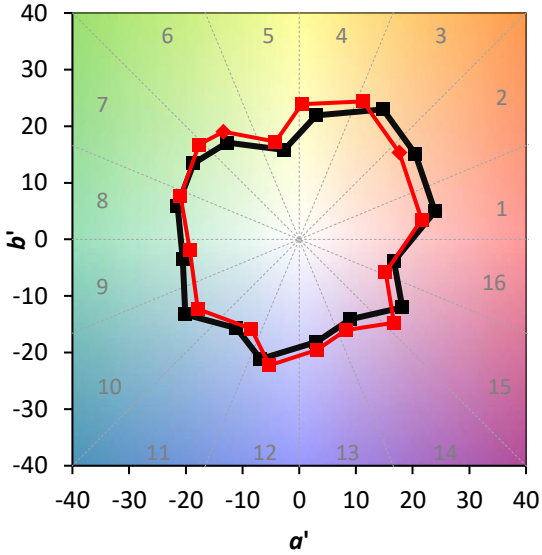
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

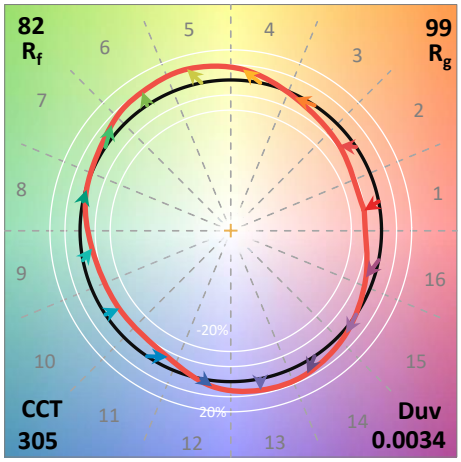
Spectral Power Distribution Comparison

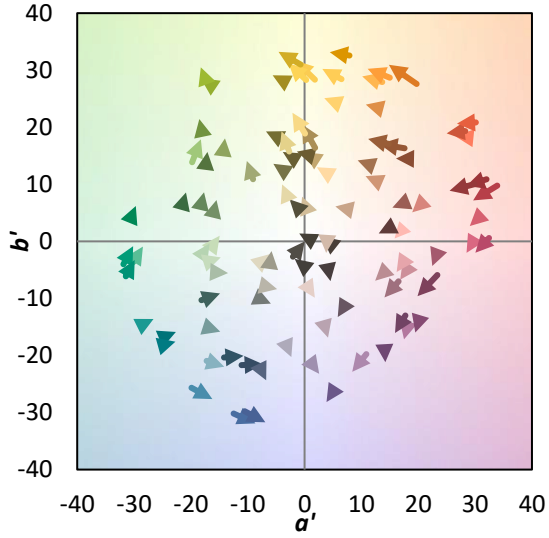


Color Vector Graphics









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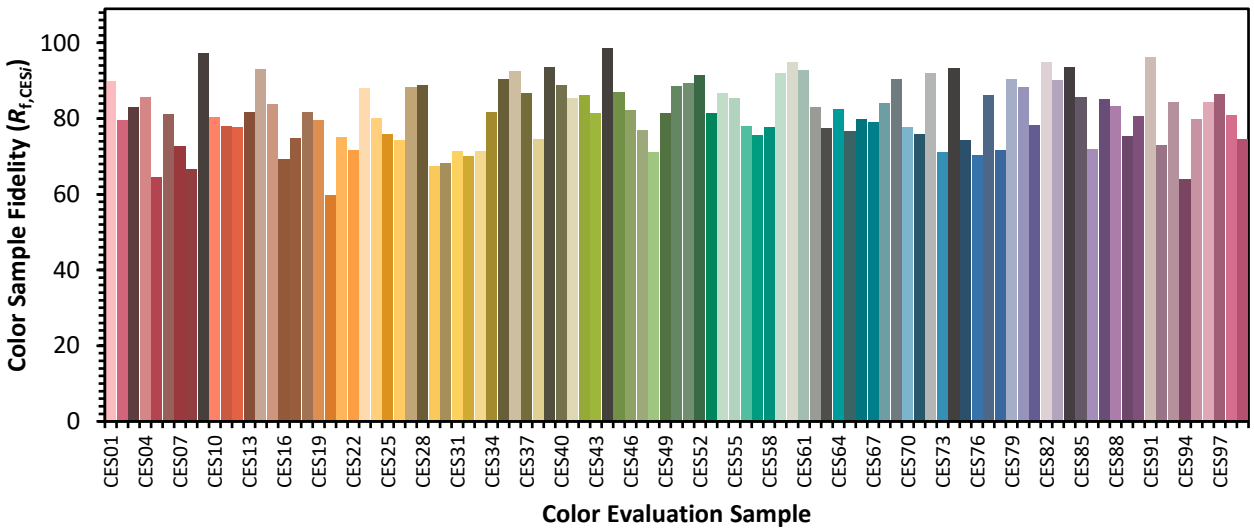
Individual Sample Fidelity Index ($R_{f,i}$)

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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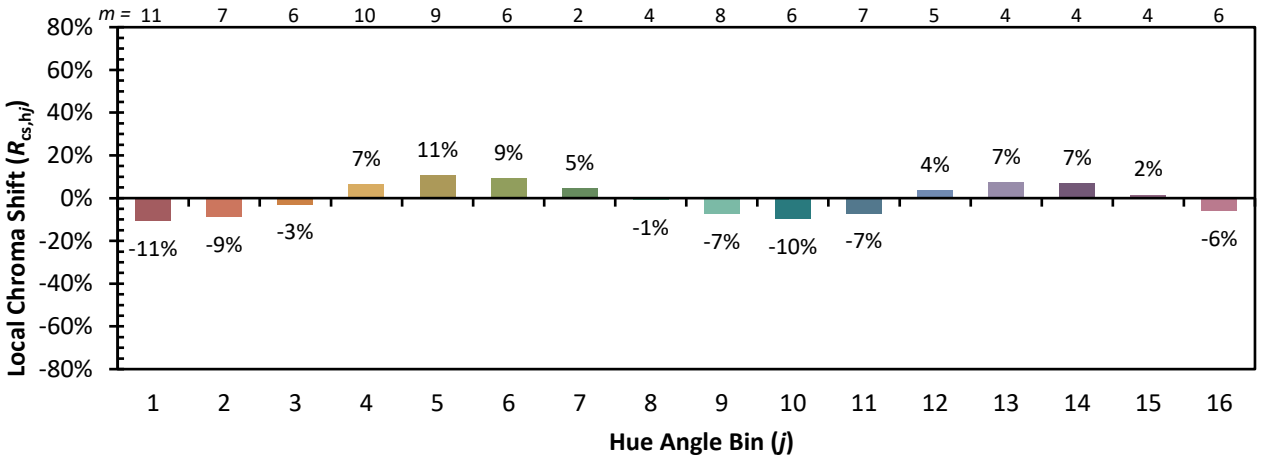
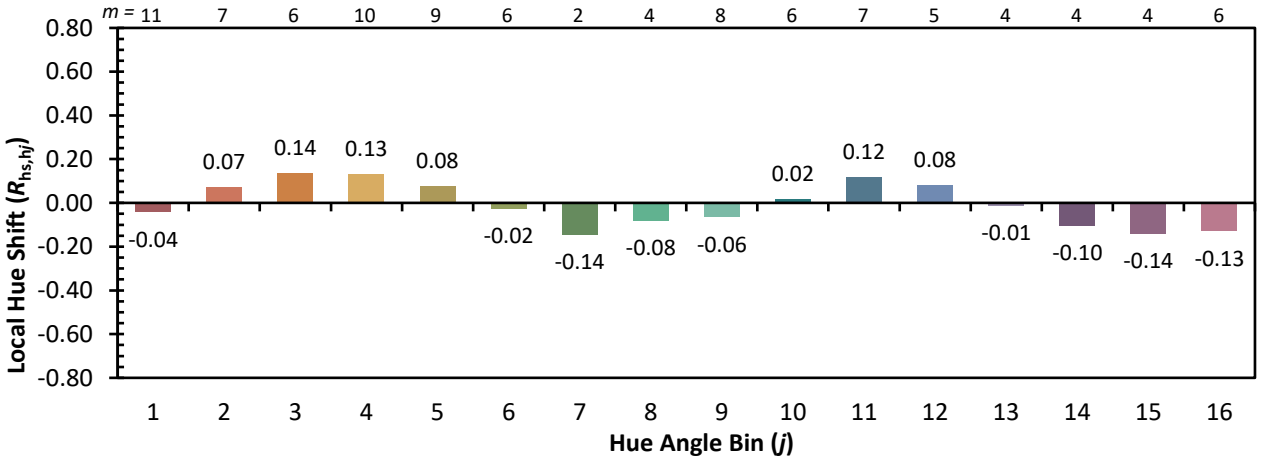
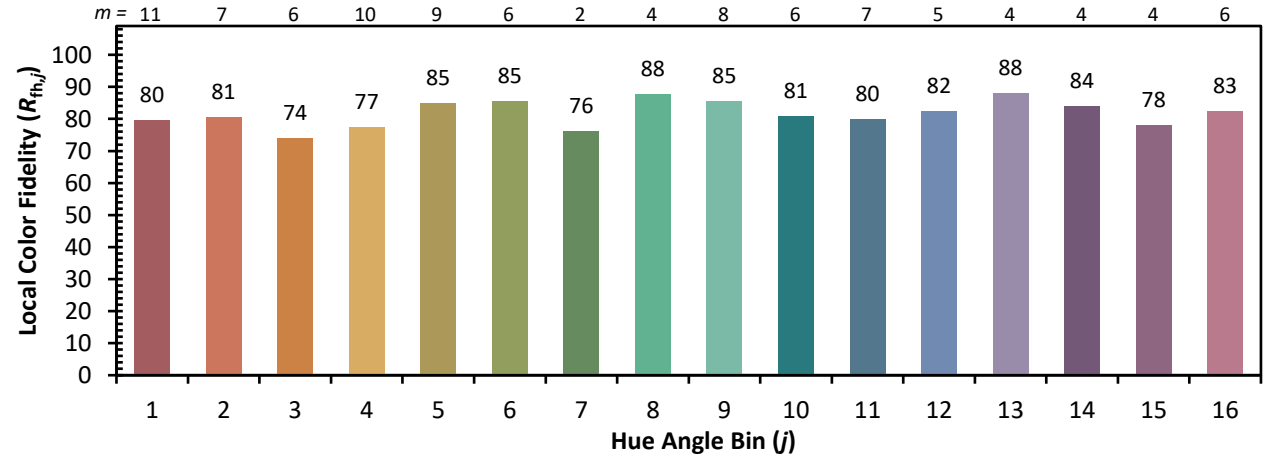
Color Rendition by Hue-Angle Bin







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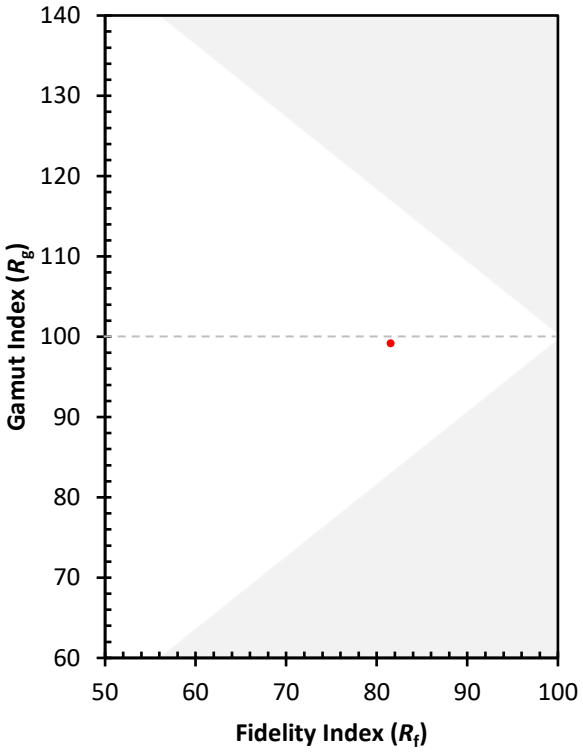
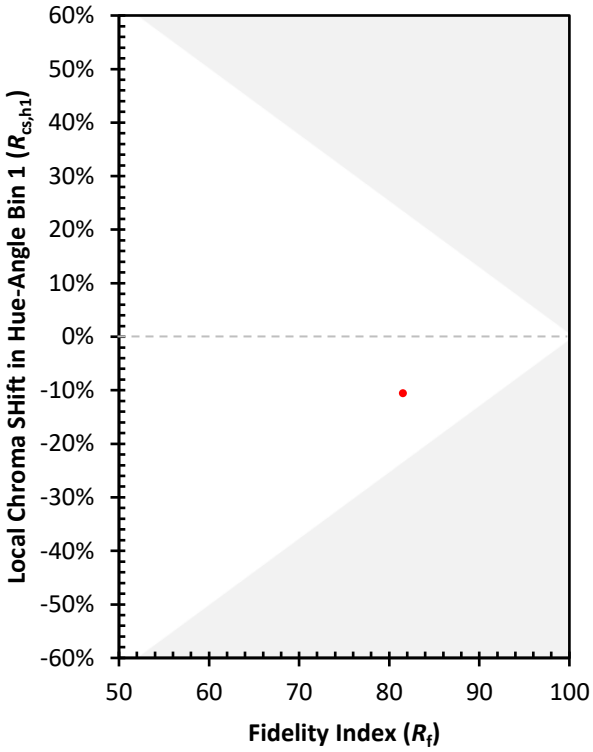
Measure Comparisons





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