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: P387189

Luminaire Tested: **GPC-SA2D-830-U-T4W**

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:	P387189
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2D-830-U-T4W
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12778 lumens
Efficiency:	N/A
Efficacy:	99.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	128
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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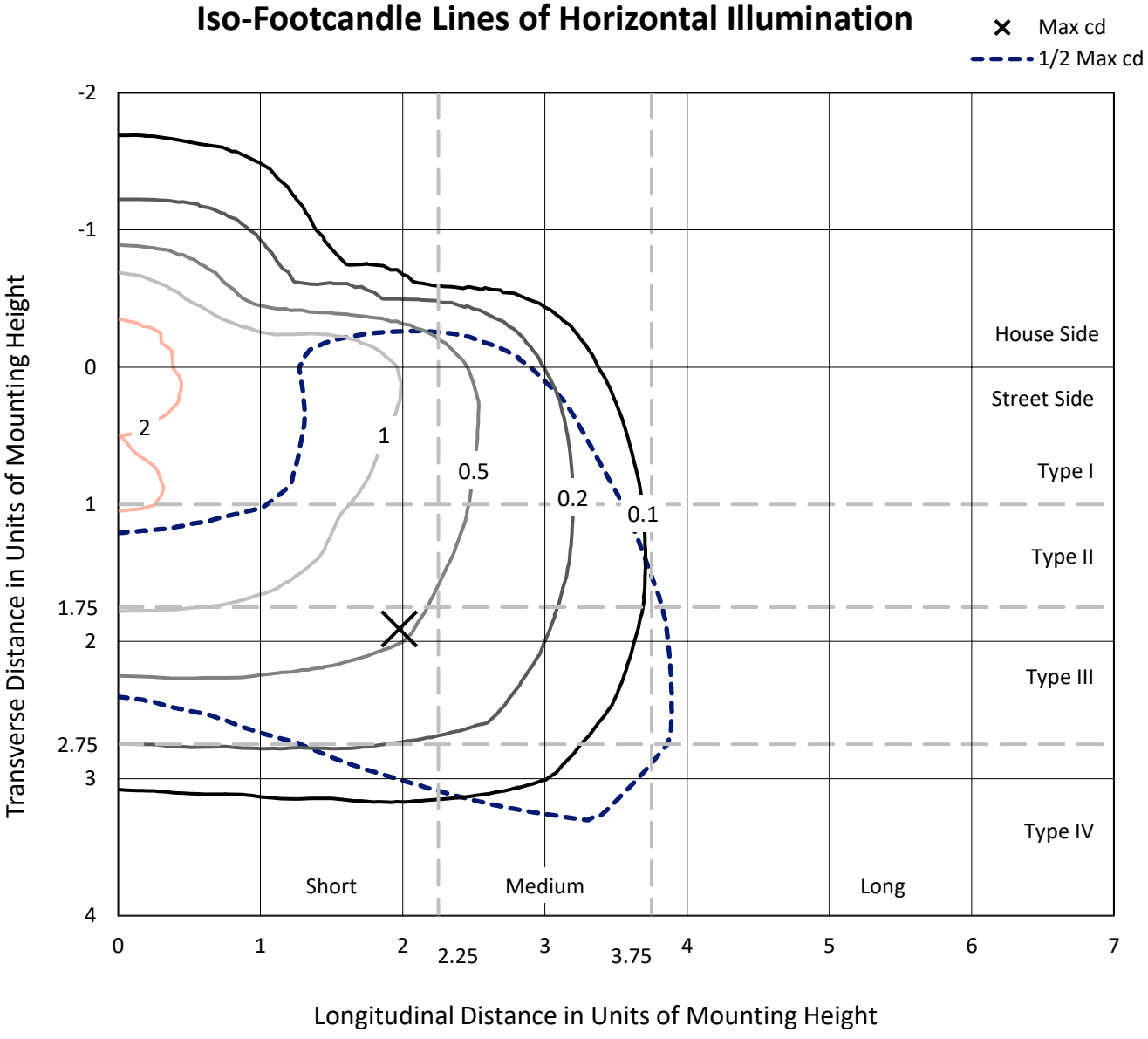
REPORT NUMBER: P387189
CATALOG NUMBER: GPC-SA2D-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
Type IV - Short - N/A

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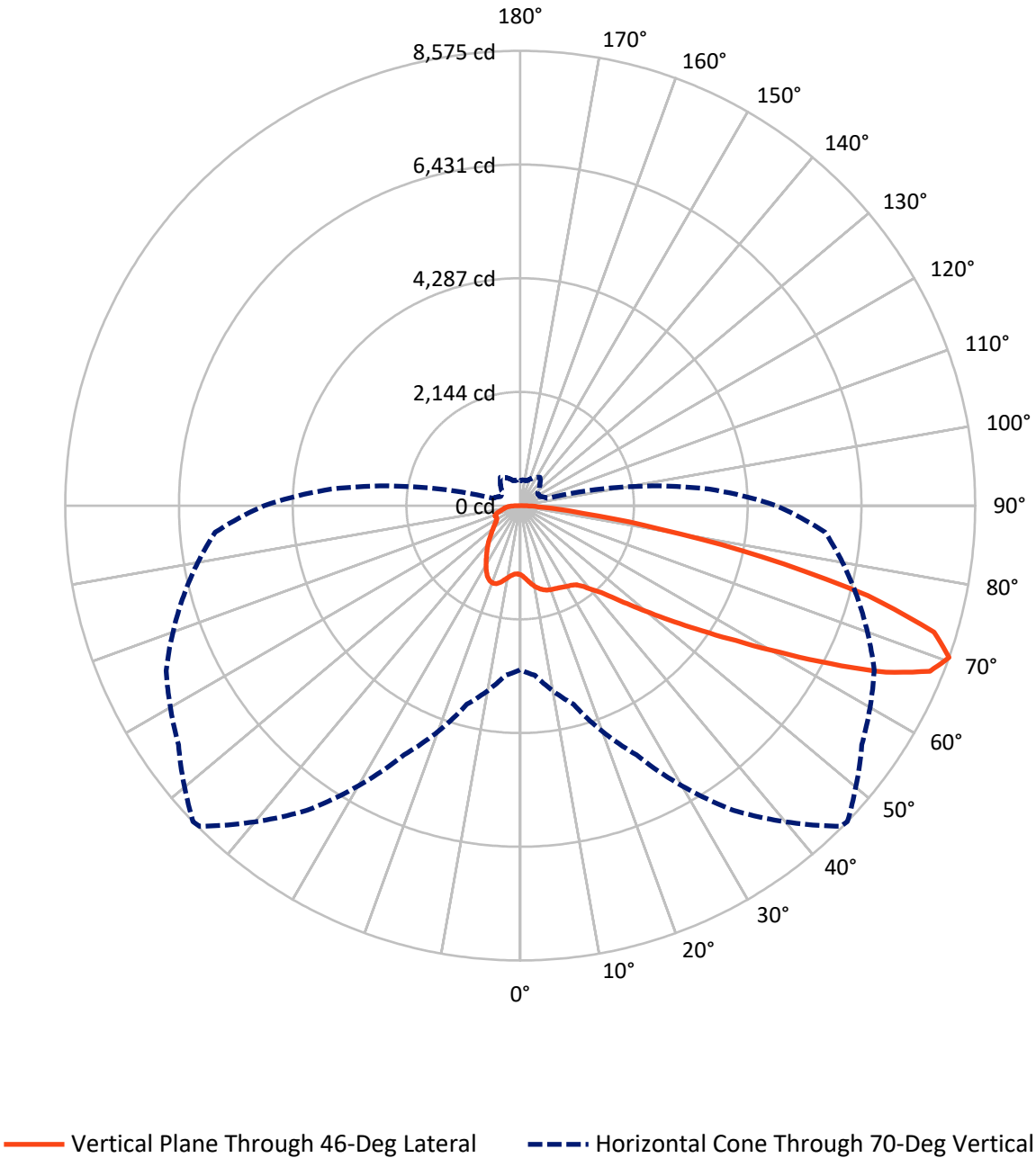
Luminous Intensity Polar Plot



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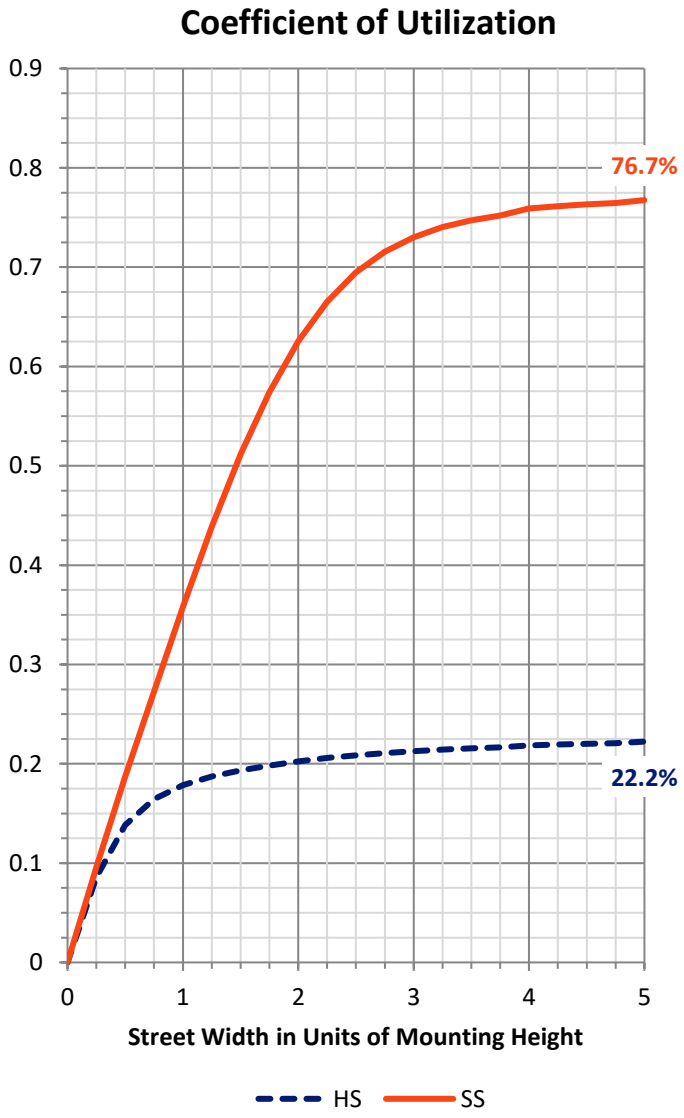
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2928.7	0.0	2928.7
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	9849.3	0.0	9849.3
	% Fixture	77.1	0.0	77.1
Total	Lumens	12778.0	0.0	12778.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	1.0
10°-20°	442.2	3.5
20°-30°	737.2	5.8
30°-40°	1046.2	8.2
40°-50°	1538.9	12.0
50°-60°	2606.1	20.4
60°-70°	3699.3	29.0
70°-80°	2247.4	17.6
80°-90°	328.0	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°	12778.0	100.0
0°-180°	12778.0	100.0



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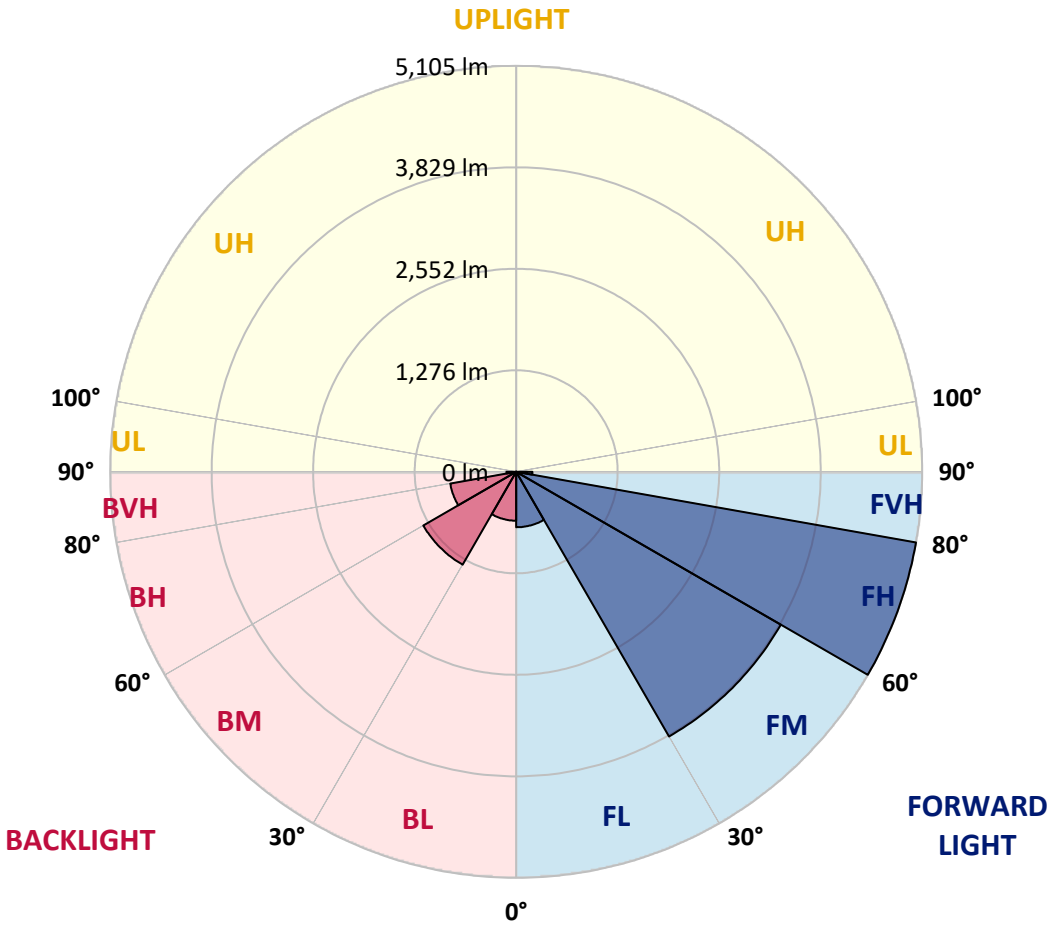
REPORT NUMBER: P387189
CATALOG NUMBER: GPC-SA2D-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	697.2	5.5			
FM	(30°-60°)	3843.1	30.1			
FH	(60°-80°)	5104.7	39.9			G3/7500
FVH	(80°-90°)	204.3	1.6			G2/225
BL	(0°-30°)	614.9	4.8	B2/1000		
BM	(30°-60°)	1348.1	10.6	B2/2500		
BH	(60°-80°)	842.0	6.6	B2/1000		G2/1000
BVH	(80°-90°)	123.7	1.0			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 IV Short



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Scaled Data Report

REPORT NUMBER: P387189
CATALOG NUMBER: GPC-SA2D-830-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	*1301.8*	1301.8	1301.8	1301.8	1301.8
2.5°	1367.0	1367.9	1369.6	1365.2	1353.0	1349.5	*1348.2*	1335.5	1327.2	1314.9	1304.5
5°	1476.3	1477.2	1474.6	1462.3	1435.2	1415.1	*1413.3*	1384.5	1358.2	1330.3	1309.3
7.5°	1590.4	1591.8	1583.4	1560.3	1522.2	1487.2	*1485.1*	1445.7	1405.9	1363.5	1332.0
10°	1691.5	1686.2	1672.7	1640.3	1595.3	1552.4	*1550.6*	1509.5	1463.6	1412.5	1370.5
12.5°	1758.8	1754.4	1736.9	1697.6	1648.2	1608.8	*1605.3*	1567.3	1522.7	1466.7	1416.4
15°	1796.0	1799.0	1775.4	1730.8	1682.7	1649.5	*1646.4*	1619.3	1579.5	1523.1	1465.4
17.5°	1800.8	1803.4	1780.7	1736.5	1697.1	1674.4	*1673.1*	1655.2	1626.3	1572.1	1511.7
20°	1772.8	1774.5	1755.7	1719.4	1693.6	1686.6	*1686.2*	1678.3	1656.9	1608.8	1550.2
22.5°	1732.1	1733.4	1719.9	1693.6	1684.9	1695.8	*1698.9*	1695.8	1680.5	1635.5	1580.4
25°	1722.1	1721.2	1707.2	1680.5	1688.0	1711.1	*1715.1*	1716.4	1705.9	1666.5	1618.9
27.5°	1770.6	1767.5	1740.9	1698.0	1702.8	1730.8	*1736.1*	1748.7	1742.2	1707.6	1662.6
30°	1911.0	1905.7	1851.1	1764.5	1740.9	1755.3	*1761.9*	1782.0	1783.3	1754.4	1720.8
32.5°	2148.0	2141.4	2043.5	1888.7	1805.2	1780.2	*1786.4*	1816.5	1832.7	1810.4	1774.1
35°	2447.5	2440.1	2311.5	2099.9	1912.7	1827.9	*1832.3*	1856.3	1888.7	1857.2	1809.1
37.5°	2759.8	2741.8	2618.1	2348.3	2083.7	1929.8	*1929.8*	1932.8	1948.2	1882.6	1850.2
40°	3070.3	3052.3	2940.4	2640.4	2305.0	2090.3	*2080.2*	2012.4	2000.2	1943.8	1932.8
42.5°	3358.9	3353.6	3287.6	2970.5	2564.7	2248.1	*2234.1*	2119.1	2121.8	2086.8	2087.2
45°	3665.8	3665.8	3612.1	3303.8	2867.3	2501.8	*2487.8*	2318.5	2344.8	2328.6	2367.5
47.5°	3916.4	3924.3	3916.9	3651.0	3219.4	2824.1	*2798.7*	2594.9	2668.4	2723.9	2837.2
50°	4172.2	4184.5	4185.8	4031.9	3644.9	3207.1	*3178.3*	2961.8	3125.8	3285.0	3507.5
52.5°	4543.5	4571.0	4461.3	4411.9	4166.1	3661.9	*3633.5*	3433.6	3707.4	3930.8	4314.4
55°	4887.6	4863.6	4785.3	4815.9	4724.1	4179.7	*4158.2*	3982.9	4355.5	4645.8	5143.9
57.5°	5073.9	5072.2	5150.9	5282.1	5325.8	4818.1	*4800.2*	4629.6	5086.2	5304.4	5922.7
60°	5292.6	5295.6	5490.7	5788.5	5968.6	5613.1	*5605.3*	5475.8	5795.9	5919.2	6533.6
62.5°	5323.2	5378.3	5714.1	6226.6	6570.4	6541.9	*6559.4*	6238.0	6430.9	6409.9	6989.7
65°	4971.2	5043.8	5651.6	6359.1	7168.6	7557.8	*7574.0*	7004.6	6931.6	6829.2	7152.8
67.5°	4249.6	4357.2	5017.5	6071.0	7365.8	8308.6	*8331.3*	7598.9	7347.0	6971.4	6760.1
70°	*3092.6*	*3211.9*	*3876.6*	*5185.0*	*7014.2*	*8548.7*	*8574.5*	*7861.7*	*7362.7*	*6566.9*	*5771.0*
72.5°	1868.1	1961.7	2509.6	3817.2	5920.1	8111.4	*8157.3*	7528.5	6722.1	5562.4	4261.4
75°	820.4	881.6	1213.5	2199.6	4238.3	6711.2	*6768.5*	6444.0	5461.8	4042.4	2518.8
77.5°	349.4	366.9	497.6	955.5	2395.9	4585.9	*4664.6*	4708.4	3705.6	2199.6	1064.4
80°	217.8	224.8	281.6	432.5	1121.2	2575.7	*2660.5*	2770.3	1840.1	808.6	371.7
82.5°	132.5	140.4	187.2	261.5	583.8	1167.6	*1208.2*	1285.6	714.1	349.4	192.4
85°	79.6	85.3	114.6	165.3	332.3	459.2	*458.7*	507.3	336.3	224.8	101.5
87.5°	38.0	42.4	61.2	85.7	167.5	172.3	*161.4*	182.8	204.2	147.4	51.2
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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Scaled Data Report

REPORT NUMBER: P387189
CATALOG NUMBER: GPC-SA2D-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8	1301.8
2.5°	1301.0	1299.2	1293.5	1289.1	1288.3	1285.6	1283.5	1284.8	1286.5	1287.0	1287.0
5°	1300.5	1295.7	1288.3	1285.2	1289.1	1294.4	1301.0	1309.7	1314.9	1318.9	1321.5
7.5°	1321.5	1312.3	1304.0	1302.3	1310.1	1324.1	1339.0	1357.4	1370.0	1378.8	1380.5
10°	1356.5	1345.1	1336.8	1338.6	1352.6	1372.7	1393.7	1417.3	1436.5	1448.3	1449.2
12.5°	1396.7	1385.8	1377.9	1385.4	1408.5	1433.0	1454.9	1475.4	1492.9	1504.7	1504.7
15°	1443.1	1435.2	1426.0	1443.1	1474.6	1496.4	1505.6	1515.7	1525.3	1534.0	1532.3
17.5°	1487.7	1480.2	1475.4	1495.5	1528.3	1538.4	1532.3	1524.8	1524.8	1529.7	1530.5
20°	1526.2	1519.6	1522.7	1542.3	1559.4	1548.9	1526.2	1502.5	1492.9	1495.5	1498.2
22.5°	1559.8	1556.8	1566.0	1575.1	1562.9	1526.2	1484.2	1452.3	1440.5	1439.6	1440.5
25°	1599.2	1598.8	1610.1	1593.5	1539.3	1471.5	1415.1	1384.0	1377.5	1382.7	1391.5
27.5°	1648.2	1653.0	1658.7	1597.9	1491.2	1388.8	1331.6	1310.1	1316.7	1329.4	1337.7
30°	1710.7	1723.8	1711.6	1586.9	1422.1	1294.4	1239.7	1233.6	1251.5	1269.5	1278.2
32.5°	1771.5	1792.0	1762.3	1558.5	1332.9	1194.3	1151.8	1150.1	1172.0	1189.4	1201.7
35°	1820.5	1861.1	1800.3	1502.1	1229.7	1102.0	1070.9	1059.1	1067.0	1087.6	1101.5
37.5°	1884.3	1952.1	1826.6	1416.0	1117.7	1025.9	989.6	962.5	955.5	963.8	970.8
40°	2001.1	2090.7	1838.8	1295.7	1008.4	949.8	913.1	873.3	845.7	825.6	826.1
42.5°	2191.7	2271.3	1831.0	1149.6	907.4	875.5	833.9	788.0	743.4	697.9	694.4
45°	2501.3	2539.8	1807.3	994.8	818.6	797.6	758.7	712.8	653.3	601.7	596.9
47.5°	2996.8	2911.5	1770.6	859.7	740.3	731.6	695.7	642.8	579.9	538.3	534.8
50°	3672.4	3448.1	1752.7	752.1	671.2	673.9	644.6	588.6	529.1	498.5	495.0
52.5°	4480.5	4073.0	1787.2	669.1	615.7	624.9	603.0	550.6	500.7	476.7	473.2
55°	5318.8	4720.2	1824.4	608.7	563.2	581.2	573.7	530.4	485.4	463.1	460.0
57.5°	6036.4	5203.4	1750.1	559.7	516.4	544.4	551.0	517.8	477.5	457.4	453.9
60°	6488.2	5398.0	1555.0	513.8	479.3	515.1	537.9	514.3	480.6	478.8	476.2
62.5°	6702.4	5380.9	1262.5	477.5	456.1	502.5	547.5	533.9	515.6	531.3	532.6
65°	6606.2	5123.8	940.2	453.5	439.5	507.3	576.4	571.1	525.6	541.4	543.6
67.5°	5973.0	4510.3	696.2	432.5	421.1	520.8	628.8	583.4	506.0	517.3	510.3
70°	*4827.7*	*3575.8*	*537.0*	*408.9*	*402.3*	*519.1*	*652.4*	*575.9*	*484.5*	*487.1*	*468.3*
72.5°	3329.1	2438.4	436.9	387.0	375.2	473.2	635.8	557.6	466.6	446.5	421.6
75°	1810.4	1308.8	371.3	364.3	327.5	415.4	605.2	544.4	450.4	423.7	409.7
77.5°	712.4	543.1	322.3	333.2	286.4	366.9	571.1	519.5	428.1	393.1	386.1
80°	290.8	277.2	267.2	288.2	246.2	321.0	530.0	490.2	401.4	364.7	350.7
82.5°	164.9	172.3	207.7	227.4	199.8	295.6	510.3	466.6	369.5	326.7	310.0
85°	84.4	101.0	144.7	163.1	146.9	251.4	470.1	408.4	296.5	250.1	251.4
87.5°	40.7	56.4	91.4	102.3	95.3	181.9	351.1	296.0	230.9	182.8	177.1
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

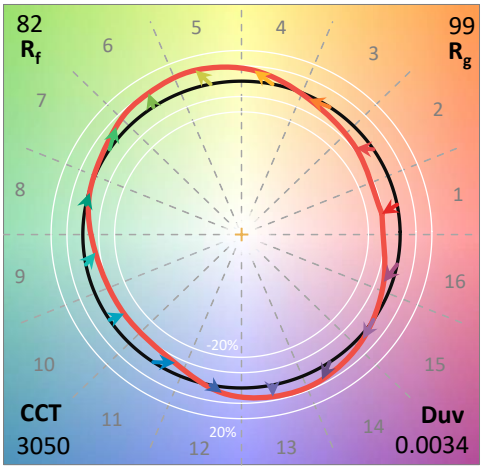
Test Information

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

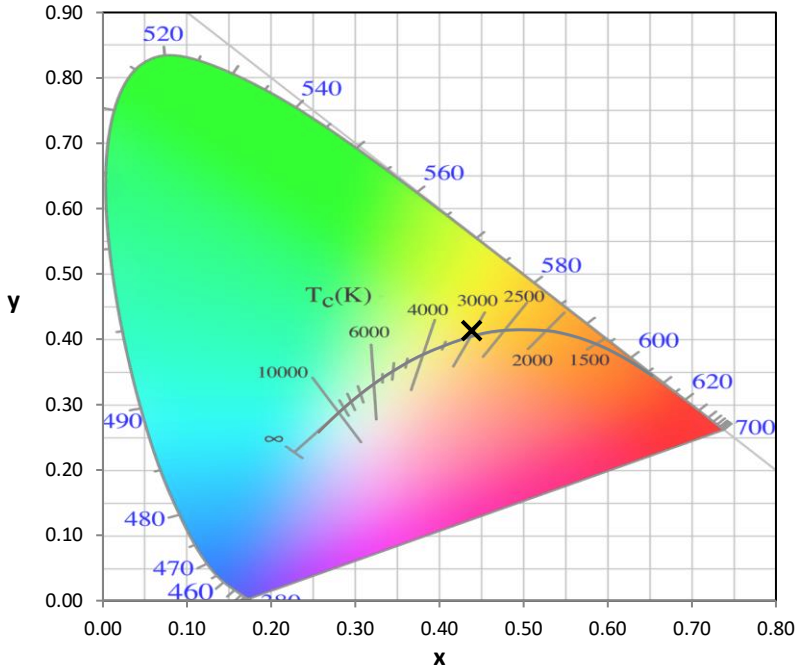
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

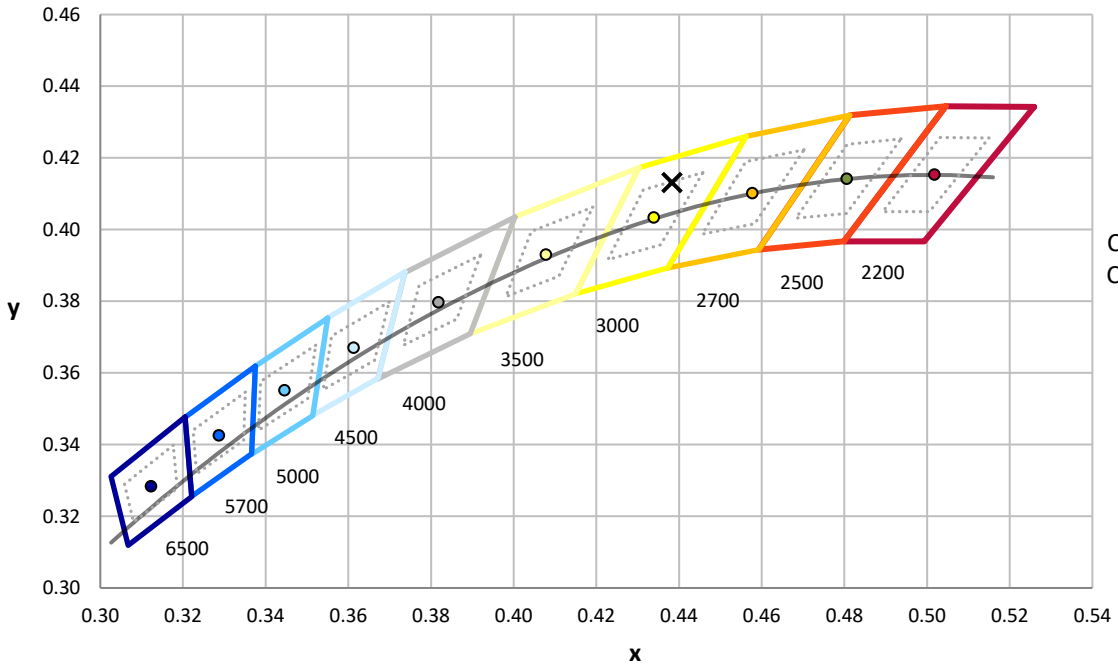
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

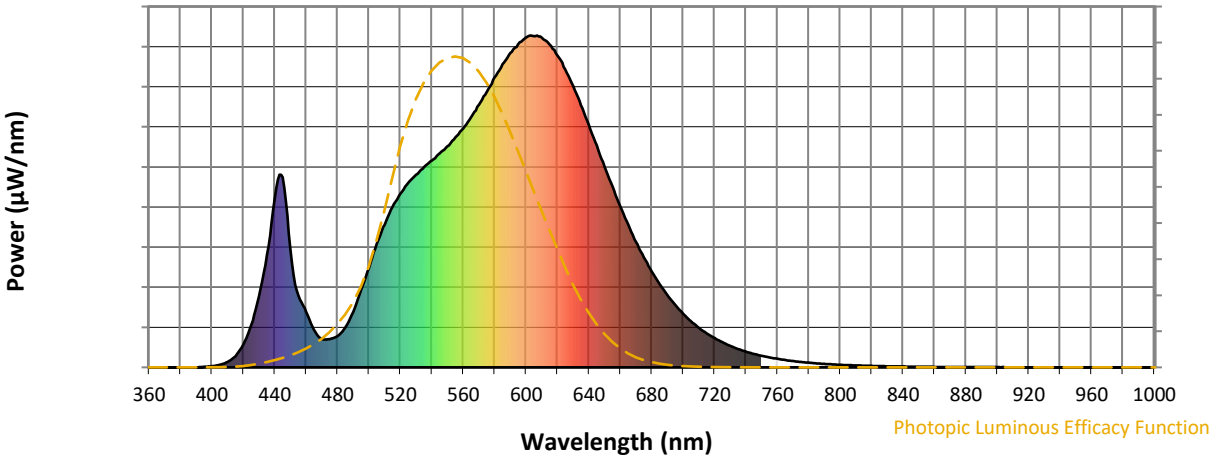


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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			

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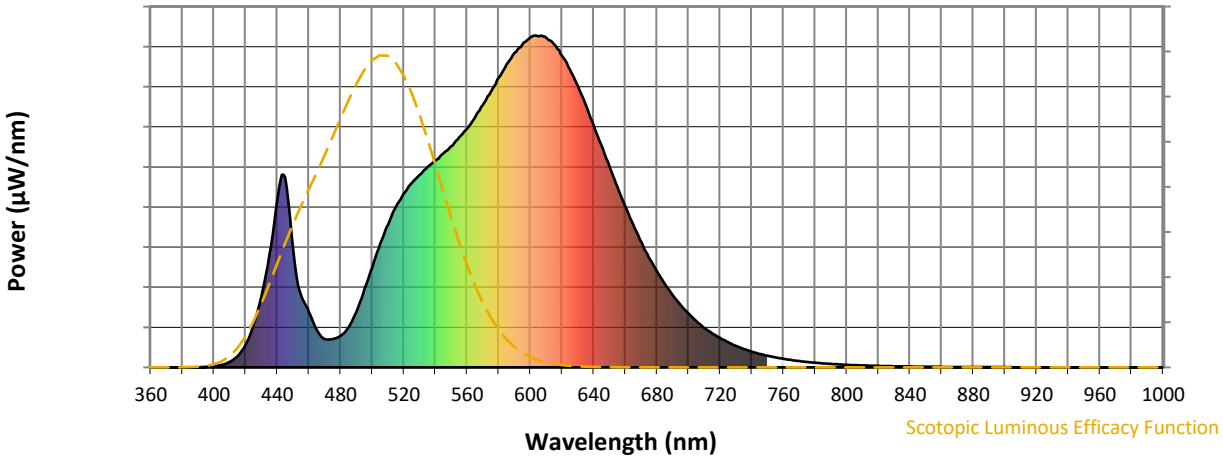
Scotopic Flux vs. Wavelength



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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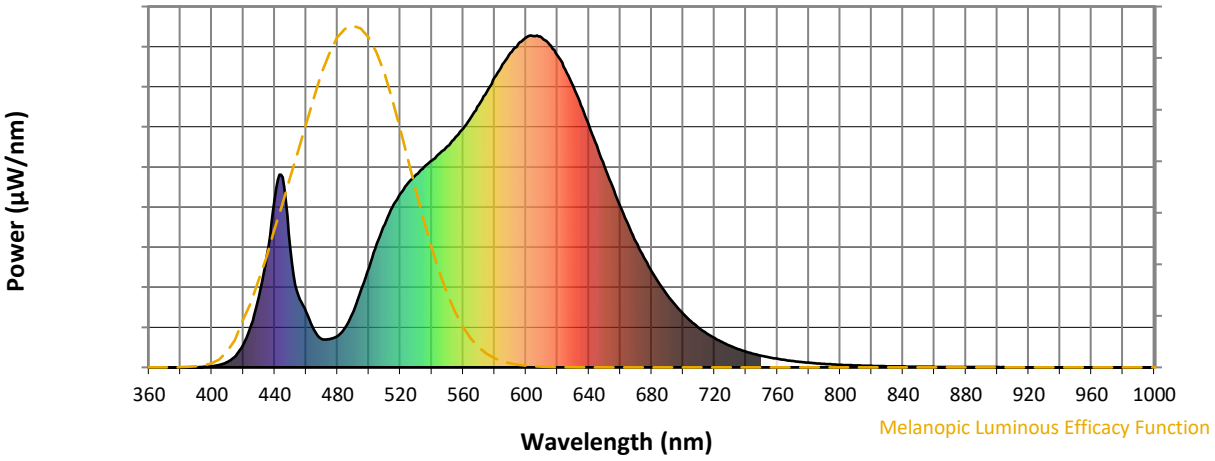
Melanopic Flux vs. Wavelength



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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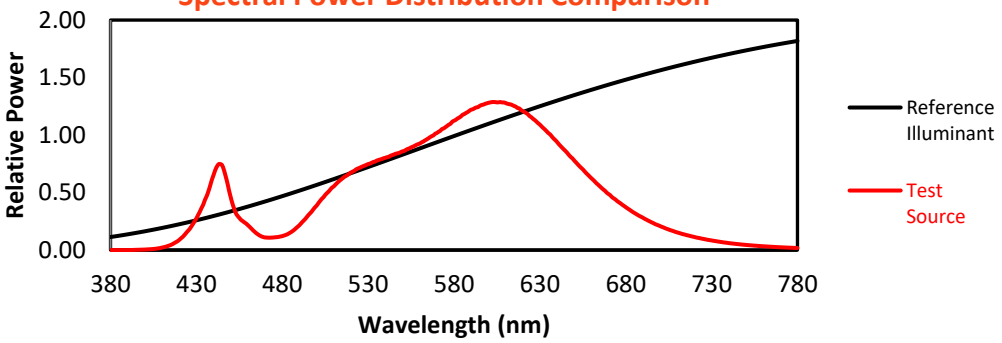
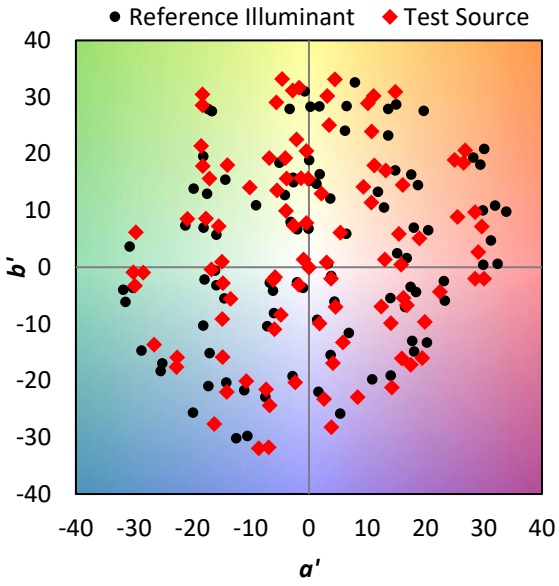
Summary

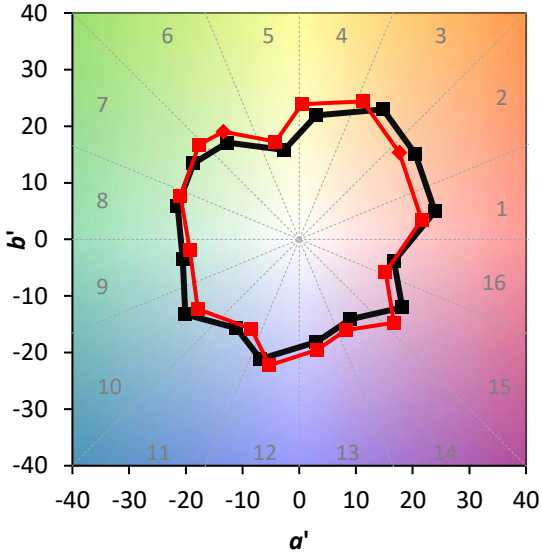
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

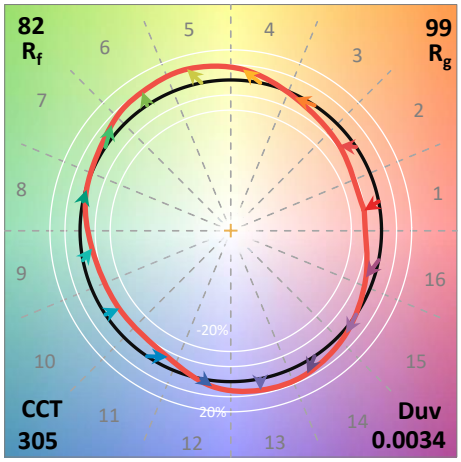
Spectral Power Distribution Comparison

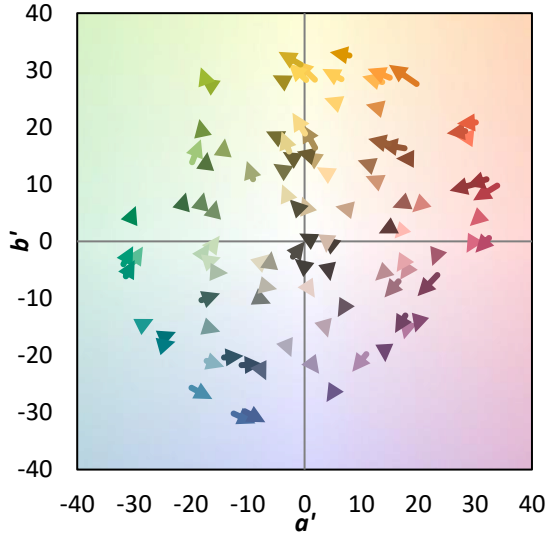


Color Vector Graphics









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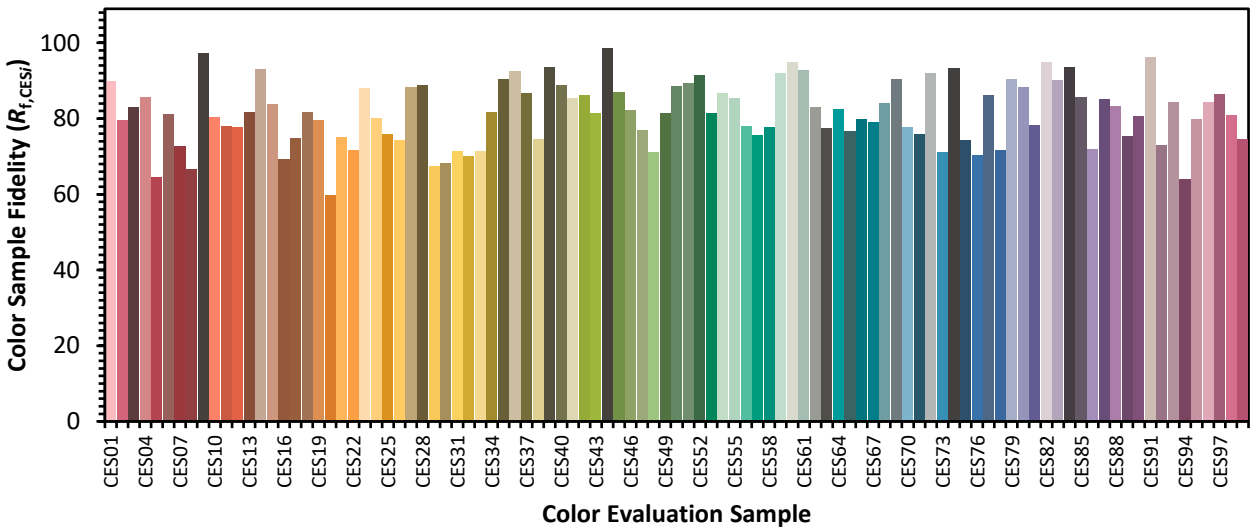
Individual Sample Fidelity Index ($R_{f,i}$)

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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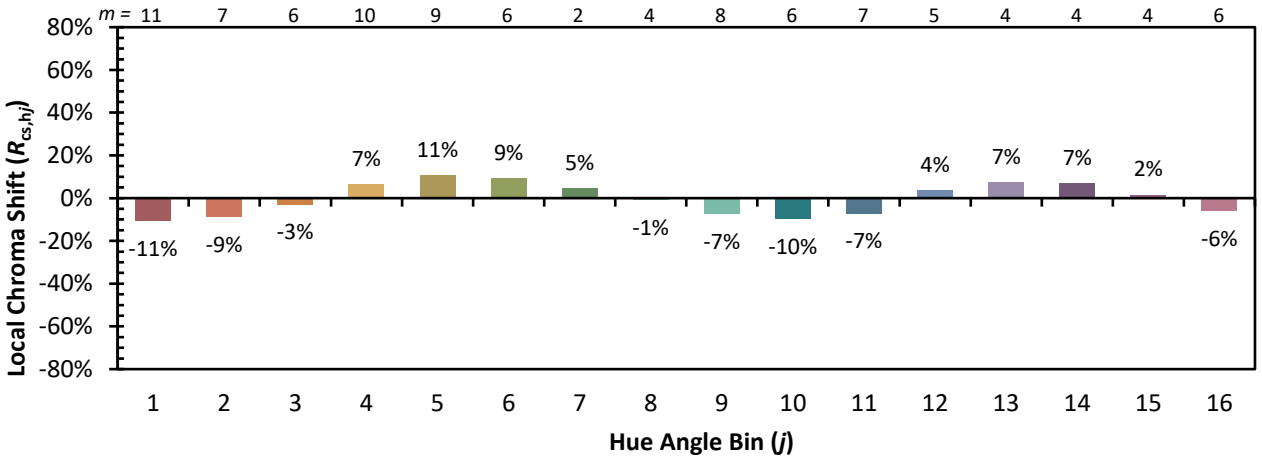
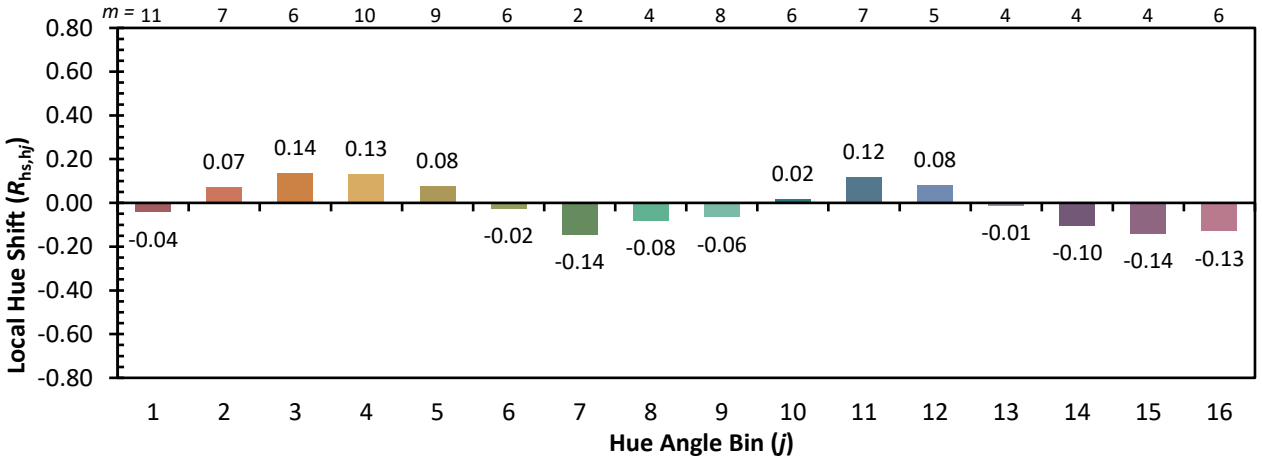
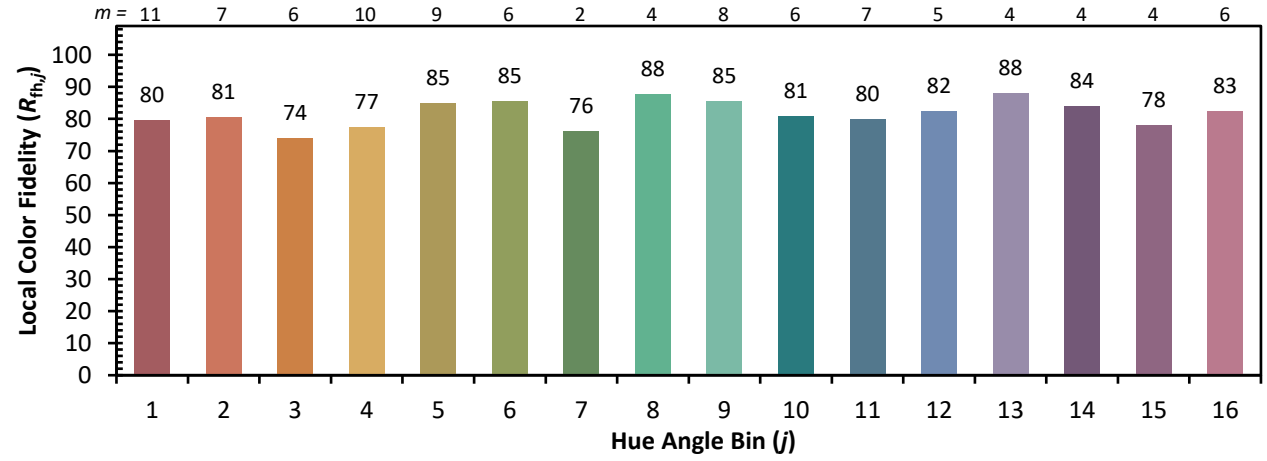
Color Rendition by Hue-Angle Bin







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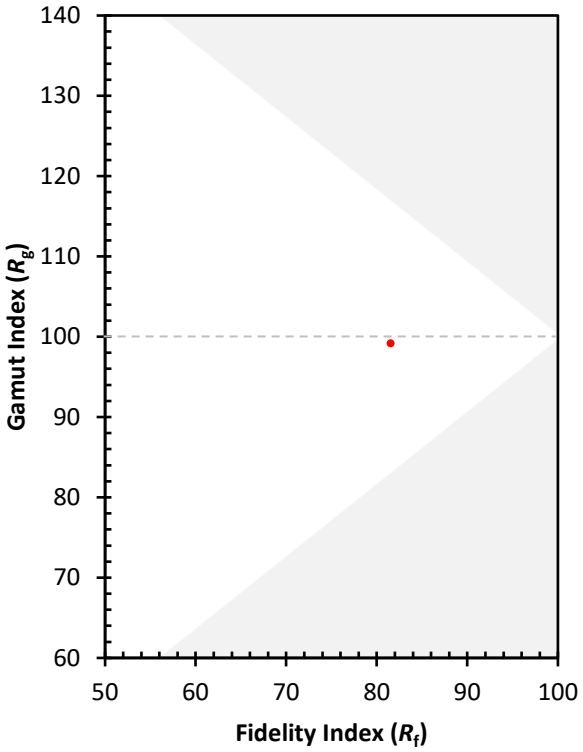
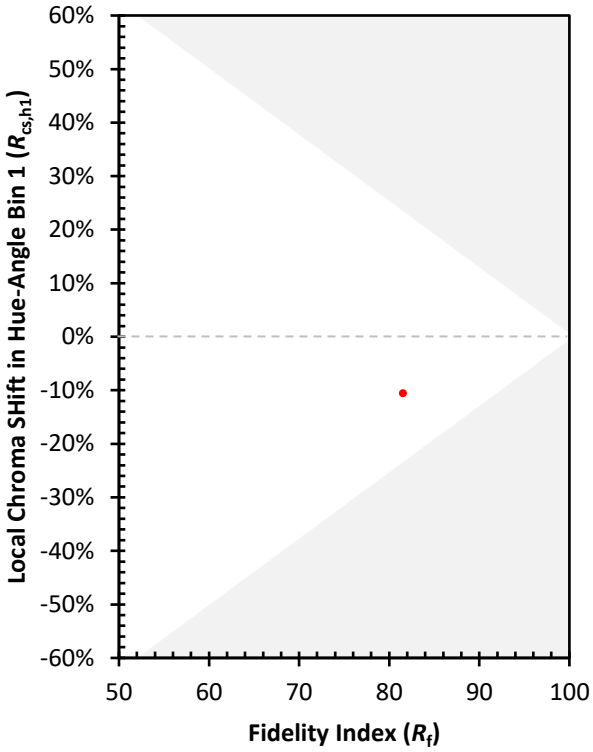
Measure Comparisons





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