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: P387179

Luminaire Tested: **GPC-SA2D-830-U-T2**

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:	P387179
	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:	GPC-SA2D-830-U-T2
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12628 lumens
Efficiency:	N/A
Efficacy:	98.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
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: P387179
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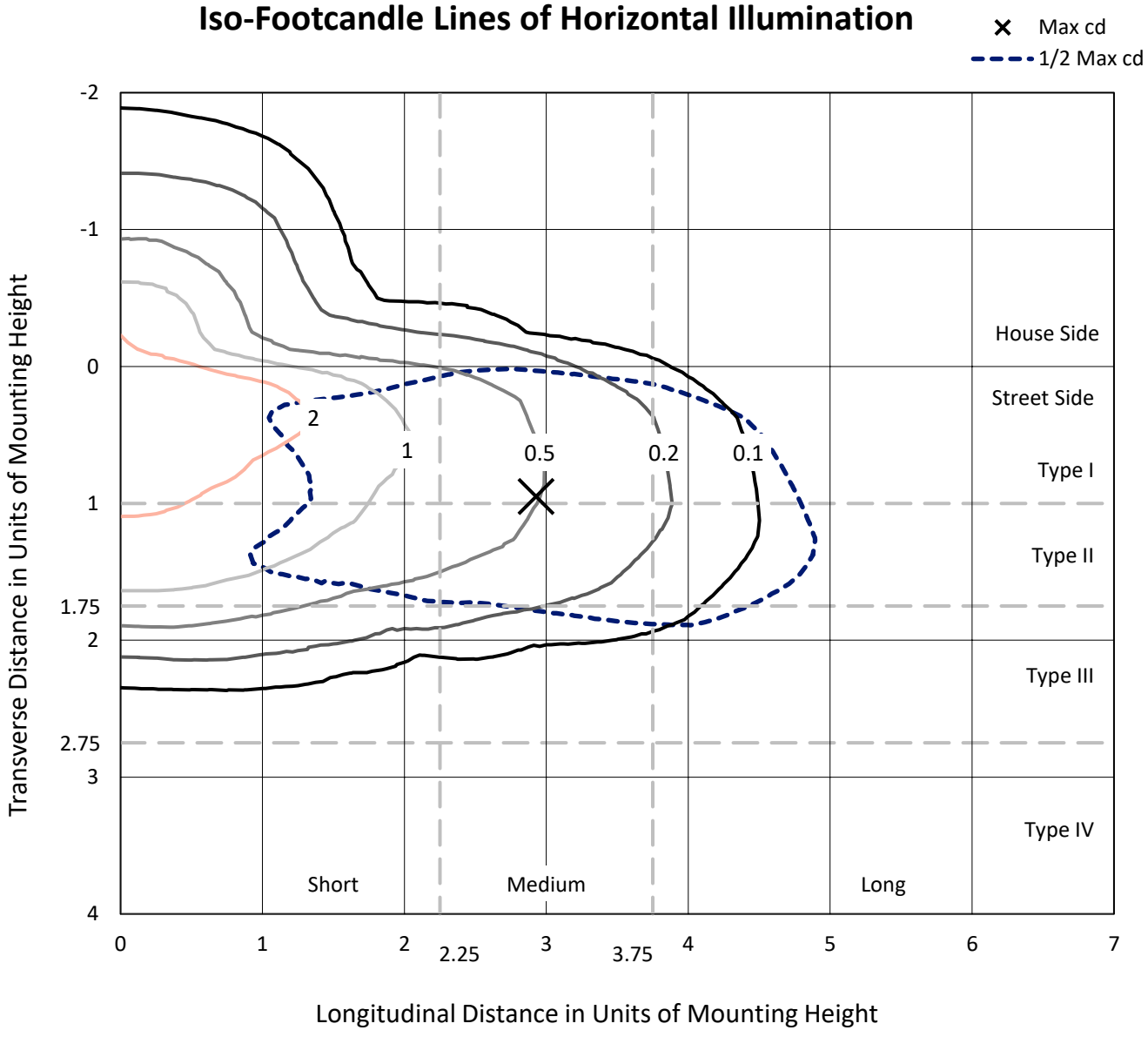
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
Type III - Medium - N/A

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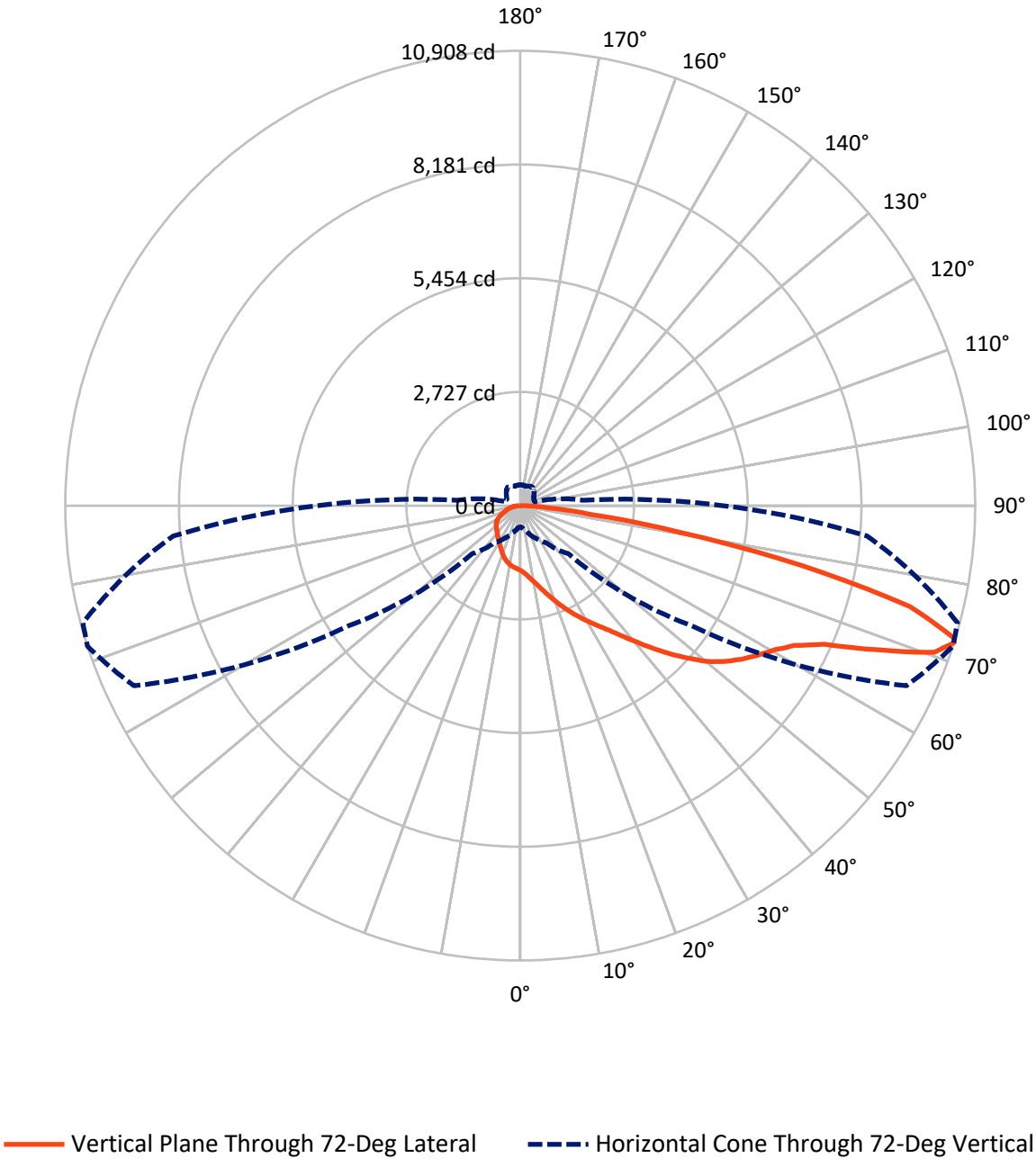
Luminous Intensity Polar Plot



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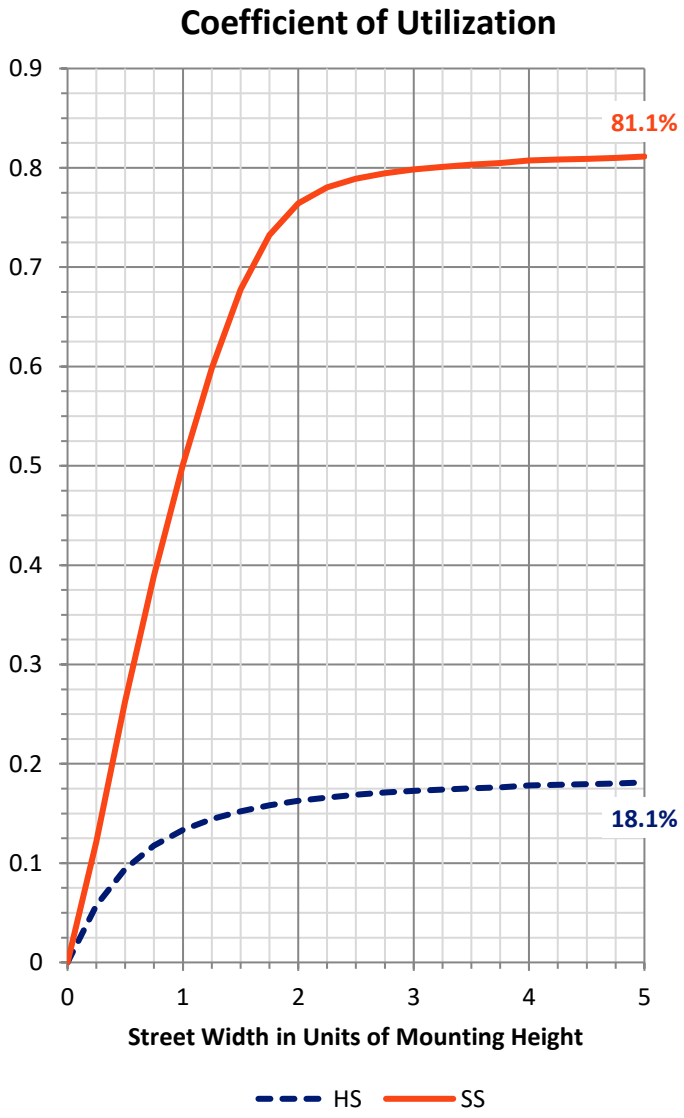
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2342.6	0.0	2342.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	10285.4	0.0	10285.4
	% Fixture	81.4	0.0	81.4
Total	Lumens	12628.0	0.0	12628.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.7	1.2
10°-20°	503.1	4.0
20°-30°	881.5	7.0
30°-40°	1307.0	10.4
40°-50°	1911.6	15.1
50°-60°	2630.4	20.8
60°-70°	2928.4	23.2
70°-80°	1984.3	15.7
80°-90°	326.1	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°	12628.0	100.0
0°-180°	12628.0	100.0



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REPORT NUMBER: P387179
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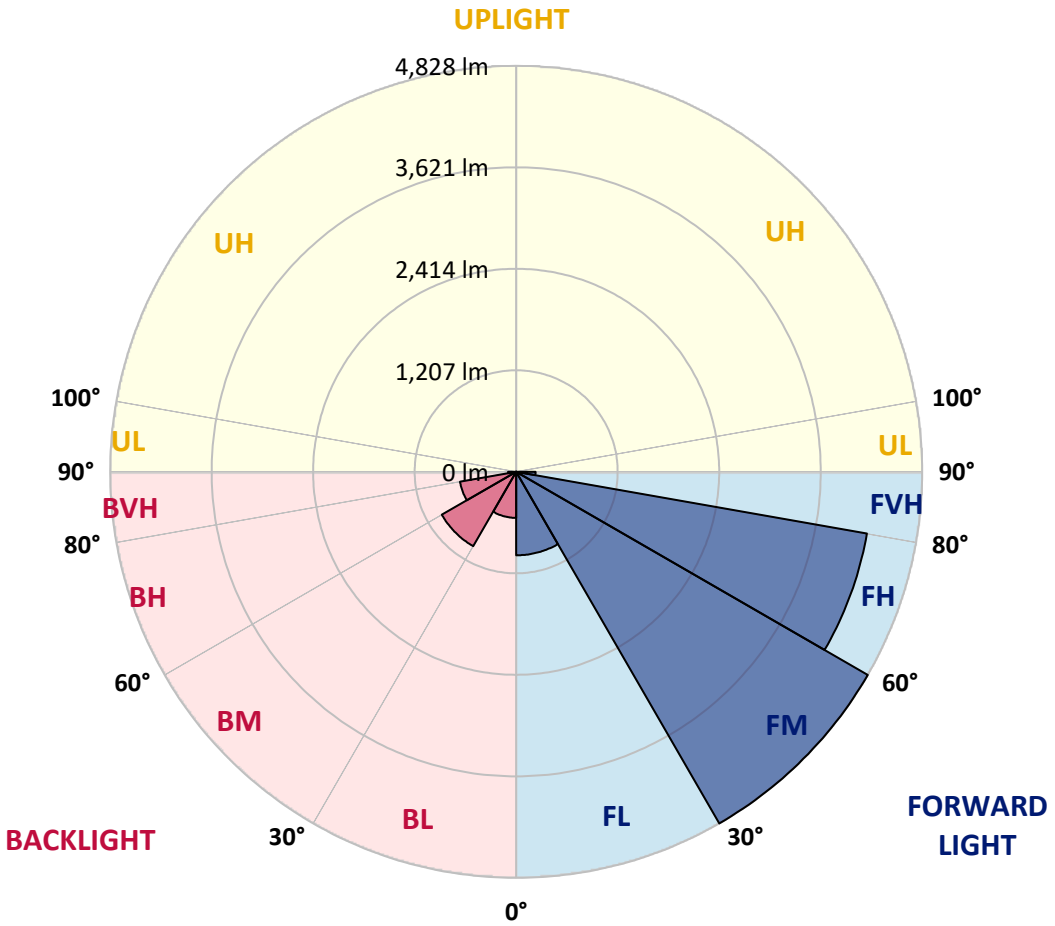
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	992.6	7.9			
FM	(30°-60°)	4827.8	38.2			
FH	(60°-80°)	4234.9	33.5			G2/5000
FVH	(80°-90°)	230.0	1.8			G3/500
BL	(0°-30°)	547.6	4.3	B2/1000		
BM	(30°-60°)	1021.1	8.1	B2/2500		
BH	(60°-80°)	677.7	5.4	B2/1000		G2/1000
BVH	(80°-90°)	96.1	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 III Medium



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REPORT NUMBER: P387179
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	*1553.6*	1553.6	1553.6
2.5°	1716.2	1713.6	1704.5	1704.5	1687.1	1672.3	1644.4	1625.8	*1603.6*	1595.7	1569.7
5°	1882.3	1883.2	1871.9	1864.0	1838.4	1807.1	1759.7	1716.6	*1673.6*	1656.2	1602.7
7.5°	2021.9	2020.1	2017.1	2010.6	1986.6	1954.5	1890.6	1826.6	*1763.2*	1737.1	1644.9
10°	2111.4	2115.3	2118.0	2121.0	2111.0	2088.0	2027.5	1949.7	*1866.6*	1831.0	1695.3
12.5°	2156.7	2163.6	2175.8	2196.7	2213.2	2210.6	2166.7	2084.0	*1985.3*	1940.6	1758.4
15°	2183.2	2192.3	2211.4	2248.8	2295.4	2321.9	2310.1	2235.4	*2125.3*	2070.1	1835.3
17.5°	2199.7	2207.1	2236.7	2286.7	2355.8	2426.2	2457.1	2394.5	*2283.6*	2220.6	1923.6
20°	2211.0	2216.7	2253.6	2312.3	2401.9	2514.1	2600.2	2584.5	*2458.0*	2376.2	2015.8
22.5°	2236.2	2241.0	2276.2	2335.4	2434.5	2579.3	2738.0	2761.5	*2641.9*	2549.3	2114.5
25°	2306.7	2306.7	2336.2	2377.5	2470.6	2635.8	2854.5	2958.4	*2829.7*	2721.9	2205.8
27.5°	2441.0	2439.7	2450.6	2464.9	2535.4	2693.2	2958.4	3132.4	*3024.5*	2906.7	2294.5
30°	2600.2	2608.9	2610.2	2603.2	2636.2	2765.0	3054.5	3315.9	*3220.6*	3093.7	2385.4
32.5°	2805.0	2810.6	2804.1	2781.0	2776.3	2866.7	3148.9	3508.0	*3432.8*	3288.9	2468.4
35°	3065.0	3054.1	3033.7	2986.7	2941.9	3002.8	3256.7	3700.2	*3671.1*	3525.0	2582.8
37.5°	3343.7	3344.1	3318.9	3212.4	3150.6	3176.7	3405.4	3918.1	*3959.4*	3805.9	2729.3
40°	3567.2	3578.9	3594.6	3454.6	3374.6	3410.6	3594.6	4170.7	*4300.3*	4138.9	2920.2
42.5°	3723.3	3736.8	3781.1	3693.3	3610.2	3677.2	3817.2	4440.3	*4682.9*	4523.3	3143.7
45°	3888.5	3895.9	3927.2	3889.4	3836.3	3987.2	4068.1	4719.4	*5087.7*	4932.9	3393.7
47.5°	4062.4	4070.2	4102.4	4077.2	4049.4	4276.8	4329.8	4982.5	*5475.6*	5382.9	3660.7
50°	4277.2	4282.4	4312.9	4267.2	4275.9	4495.1	4563.8	5223.8	*5882.1*	5787.3	3928.5
52.5°	4570.3	4571.6	4613.8	4572.5	4531.6	4655.1	4765.1	5451.2	*6200.8*	6156.0	4196.3
55°	4799.9	4813.8	4952.0	4943.3	4919.9	4800.3	4933.3	5667.7	*6485.2*	6506.5	4480.7
57.5°	4653.3	4707.7	4987.7	5185.1	5377.3	5161.6	5160.8	5911.7	*6749.5*	6850.4	4793.3
60°	4075.5	4149.4	4562.0	4999.9	5601.2	5790.4	5633.0	6209.5	*7016.5*	7191.3	5185.1
62.5°	2910.6	3032.4	3591.5	4290.7	5294.2	6206.9	6593.9	6682.1	*7379.6*	7586.1	5694.3
65°	1471.4	1563.6	2032.3	2874.5	4229.8	5934.7	7638.3	7717.0	*8010.5*	8194.0	6478.2
67.5°	894.0	928.8	1157.5	1598.8	2593.2	4622.9	7979.2	9441.9	*9231.4*	9328.8	7596.1
70°	658.7	684.4	827.0	1061.8	1491.4	2712.8	6933.0	10672.8	*10534.6*	10523.7	8422.3
72°	*513.1*	*531.8*	*657.9*	*857.9*	*1090.5*	*1627.5*	*5025.1*	*10218.5*	*10907.6*	*10852.8*	*8346.6*
72.5°	486.6	503.1	617.9	807.4	1030.5	1475.3	4518.1	9911.9	*10880.7*	10855.9	8248.8
75°	383.1	394.8	457.4	624.4	806.6	837.0	2475.8	7681.3	*9652.3*	10053.7	7419.2
77.5°	317.0	318.7	351.8	454.4	628.7	591.8	1216.2	5329.5	*6911.7*	7353.1	5255.5
80°	258.3	260.5	276.1	318.7	475.7	437.9	577.4	3064.5	*3869.8*	3874.6	2499.3
82.5°	205.7	206.1	223.5	233.1	341.8	313.1	330.9	1438.8	*1691.0*	1626.6	898.3
85°	144.8	141.7	218.3	191.3	223.5	200.9	182.6	569.6	*699.2*	668.7	281.3
87.5°	48.3	50.0	97.0	123.9	130.4	113.9	81.3	218.3	*263.9*	261.8	89.1
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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CATALOG NUMBER: GPC-SA2D-830-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6	1553.6
2.5°	1561.4	1547.5	1527.1	1504.4	1486.6	1468.4	1454.9	1447.9	1440.1	1433.6	1441.4
5°	1577.9	1551.8	1508.4	1465.7	1434.4	1406.6	1386.6	1376.2	1366.6	1360.1	1361.0
7.5°	1604.9	1562.7	1489.7	1427.5	1384.0	1354.0	1333.6	1326.6	1320.5	1318.8	1321.0
10°	1633.6	1571.4	1464.9	1382.3	1332.7	1307.9	1298.8	1303.6	1307.9	1311.8	1316.2
12.5°	1666.2	1579.2	1428.8	1329.2	1287.0	1277.5	1286.6	1307.5	1322.7	1331.8	1337.5
15°	1708.8	1586.2	1387.0	1276.2	1247.9	1258.8	1289.6	1325.7	1352.3	1369.2	1371.8
17.5°	1747.9	1585.7	1333.6	1222.7	1216.2	1247.9	1294.4	1345.3	1381.0	1404.9	1409.7
20°	1788.4	1574.0	1271.4	1170.5	1184.0	1236.2	1296.6	1357.9	1401.0	1428.8	1435.3
22.5°	1826.2	1553.6	1203.1	1123.1	1157.0	1220.5	1288.3	1350.5	1393.6	1416.2	1423.1
25°	1851.9	1517.9	1134.0	1083.1	1133.1	1201.4	1261.4	1311.4	1343.6	1354.9	1356.6
27.5°	1864.9	1471.4	1068.8	1048.3	1108.3	1170.1	1211.4	1236.2	1245.3	1244.4	1242.7
30°	1866.6	1410.1	1012.7	1020.1	1079.6	1124.0	1143.5	1138.8	1127.0	1107.0	1108.8
32.5°	1861.0	1341.0	965.7	993.1	1043.1	1067.9	1068.8	1045.7	1014.4	982.7	974.0
35°	1862.7	1273.1	924.4	962.7	998.8	1009.6	999.6	965.7	923.1	882.2	873.5
37.5°	1881.9	1214.0	888.8	927.4	949.6	952.2	937.9	902.2	870.9	830.9	827.4
40°	1927.5	1171.8	854.8	887.9	900.5	901.8	881.4	856.1	858.7	837.4	837.0
42.5°	2009.7	1153.5	824.8	846.6	854.4	857.0	841.4	825.3	847.9	834.0	829.2
45°	2115.8	1157.9	799.6	806.1	820.5	832.7	823.1	803.5	812.2	751.8	731.8
47.5°	2238.4	1185.7	779.6	771.4	796.1	819.2	804.4	774.8	744.0	684.0	672.6
50°	2381.9	1228.8	761.4	737.0	769.6	800.9	786.1	744.0	697.4	668.3	664.4
52.5°	2531.5	1281.4	743.1	699.2	736.1	787.0	779.6	737.0	679.6	650.9	645.7
55°	2701.0	1334.4	720.0	655.3	700.0	780.5	776.6	711.8	666.1	650.0	646.1
57.5°	2911.9	1394.9	689.6	609.6	666.1	757.0	744.8	696.6	652.2	640.0	638.7
60°	3186.7	1484.0	645.7	560.9	624.8	720.9	718.3	674.4	630.0	621.3	619.6
62.5°	3598.9	1631.4	585.3	512.2	578.7	659.6	683.5	644.4	606.6	606.1	607.0
65°	4238.1	1853.2	519.6	469.6	532.2	607.9	643.1	613.5	582.6	591.3	592.6
67.5°	4979.0	2037.1	455.2	427.9	484.8	558.7	606.6	582.6	550.9	573.5	573.9
70°	5225.5	1872.7	398.7	386.5	435.7	511.3	567.0	548.7	516.6	539.2	537.0
72°	*4862.9*	*1511.8*	*362.2*	*355.2*	*398.7*	*472.2*	*531.8*	*517.0*	*485.2*	*500.5*	*494.8*
72.5°	4748.6	1441.4	353.1	347.4	388.7	462.2	522.6	509.2	477.4	490.5	485.2
75°	4235.9	1251.8	303.5	304.8	339.2	413.5	471.3	467.0	434.4	435.7	433.9
77.5°	3072.4	917.9	255.7	264.4	288.7	363.5	419.6	417.0	381.3	374.8	373.5
80°	1425.7	468.3	208.3	212.2	237.4	303.9	357.8	354.4	325.7	317.4	312.6
82.5°	488.3	222.6	156.5	159.1	183.9	244.8	310.5	308.3	284.4	268.3	258.3
85°	174.4	110.9	109.6	107.0	131.3	192.6	270.5	258.7	223.5	190.4	189.6
87.5°	56.5	47.4	56.5	56.1	76.5	130.4	196.5	167.4	162.2	134.8	132.2
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

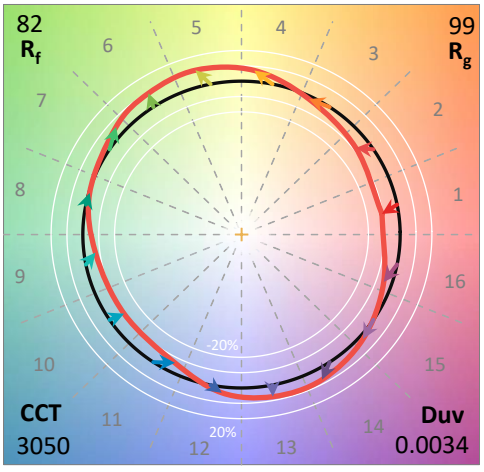
Test Information

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

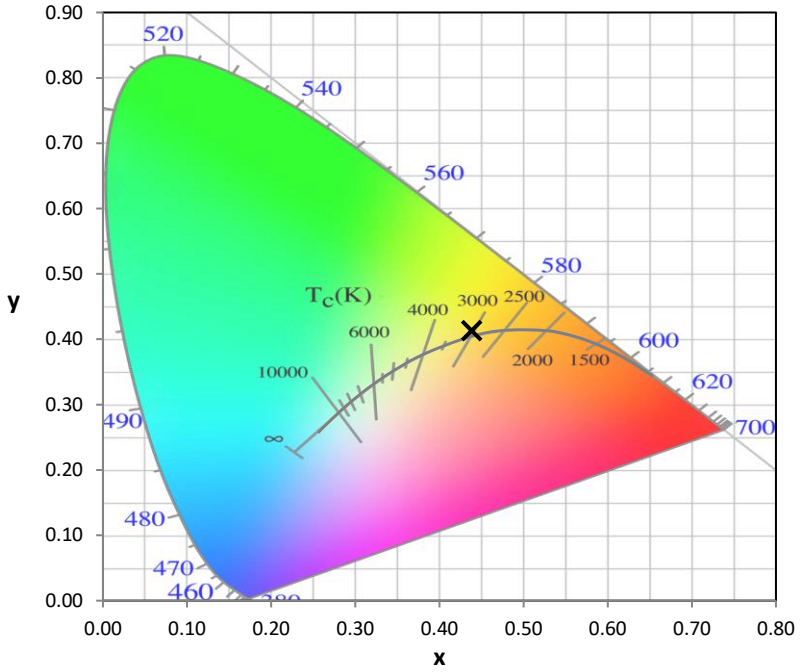
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

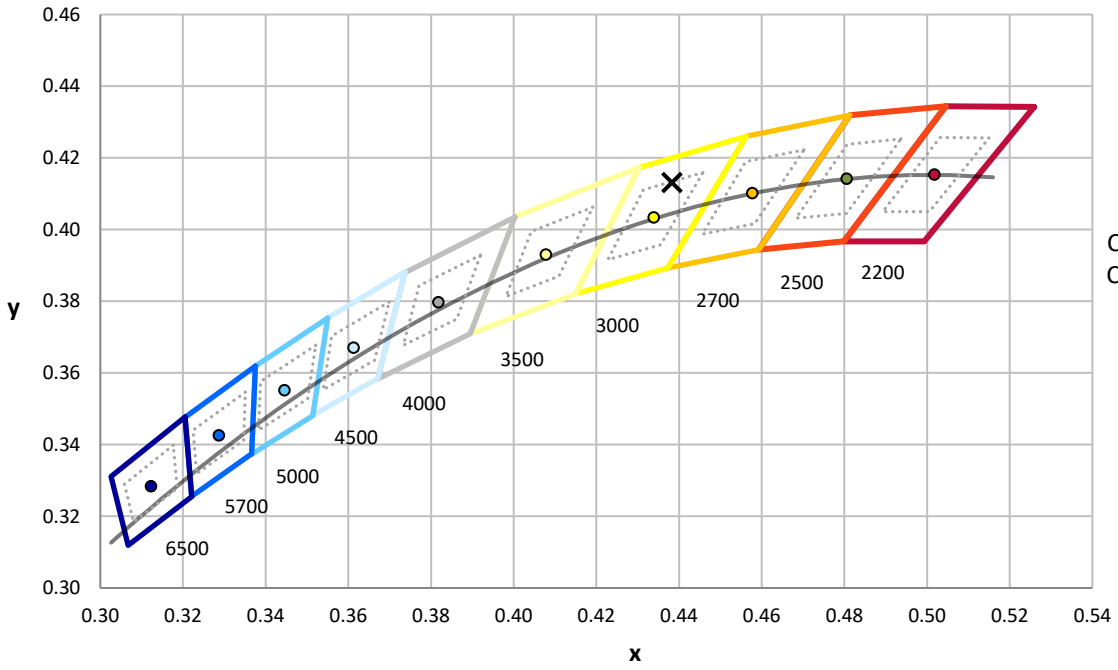
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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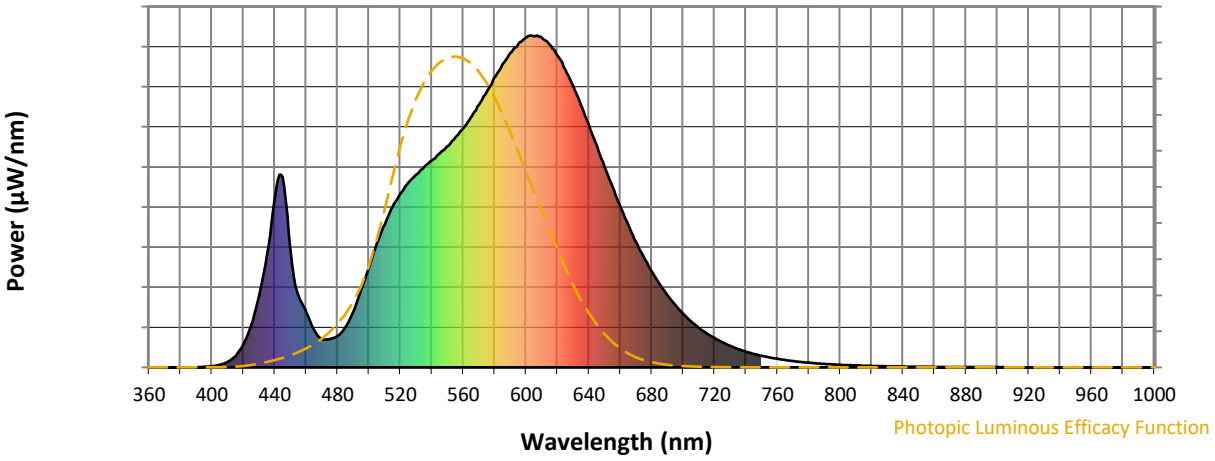
Photopic Flux vs. Wavelength



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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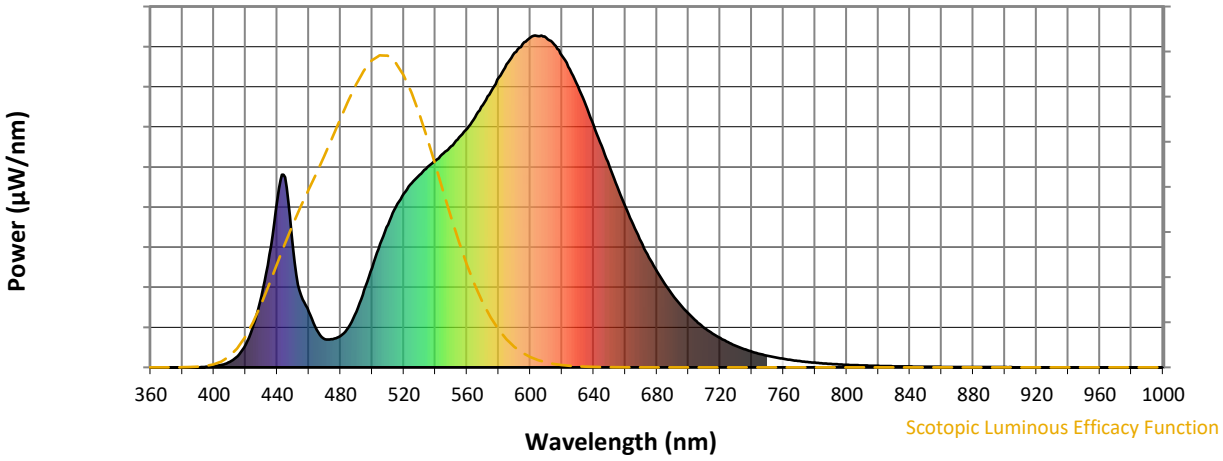
Scotopic Flux vs. Wavelength



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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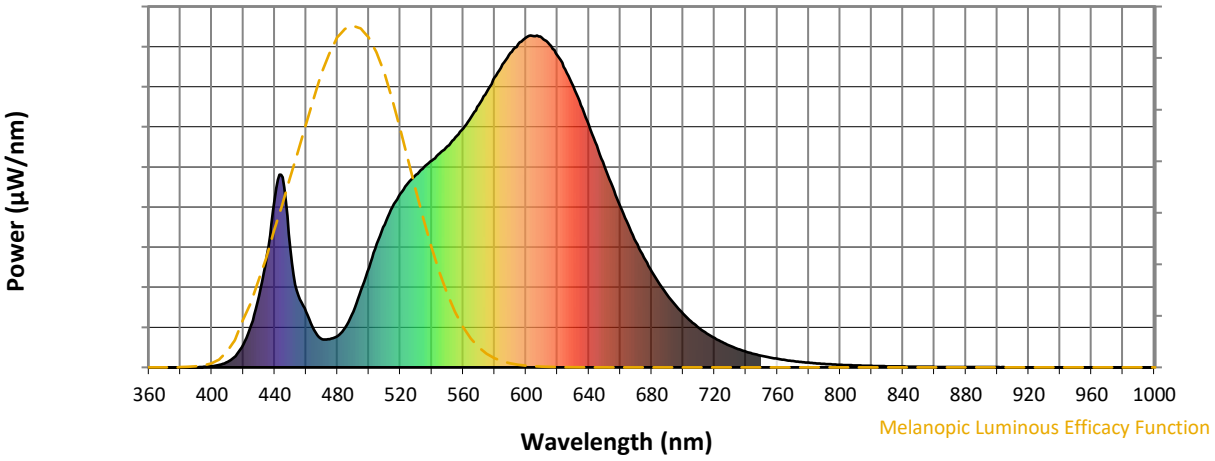
Melanopic Flux vs. Wavelength



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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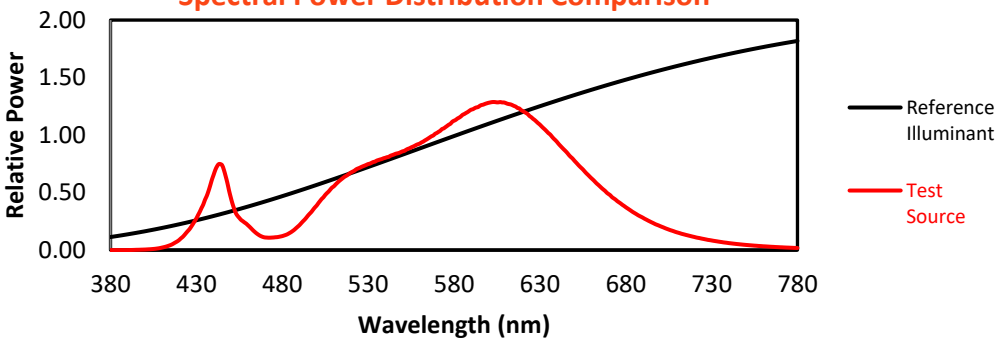
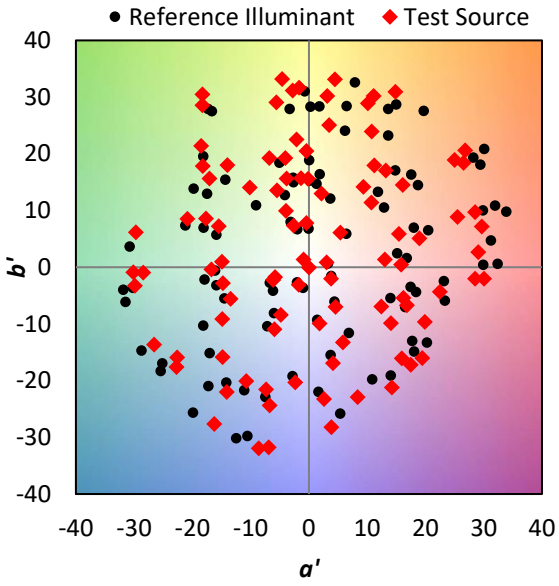
Summary

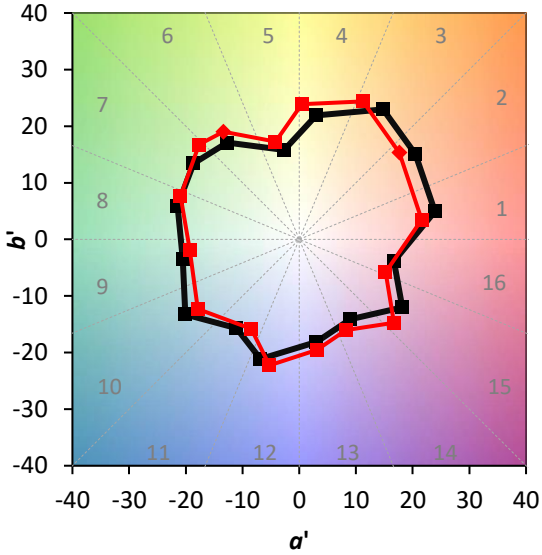
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

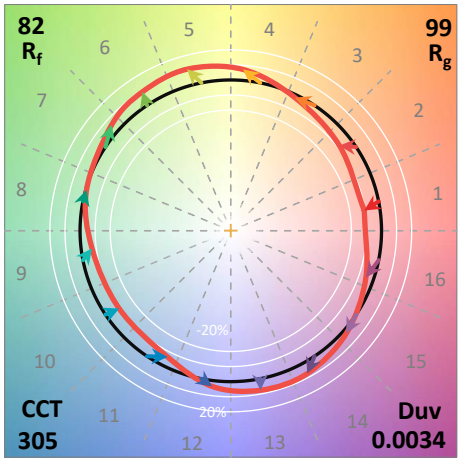
Spectral Power Distribution Comparison

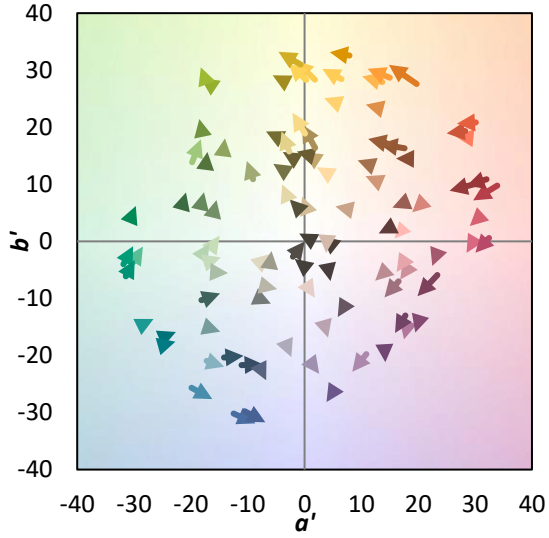


Color Vector Graphics









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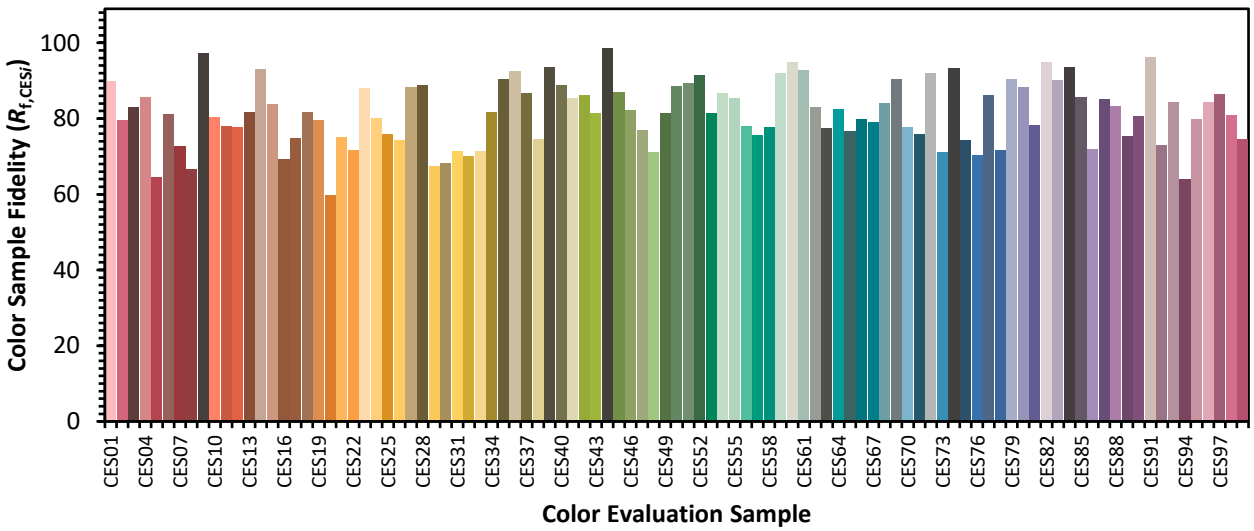
Individual Sample Fidelity Index ($R_{f,i}$)

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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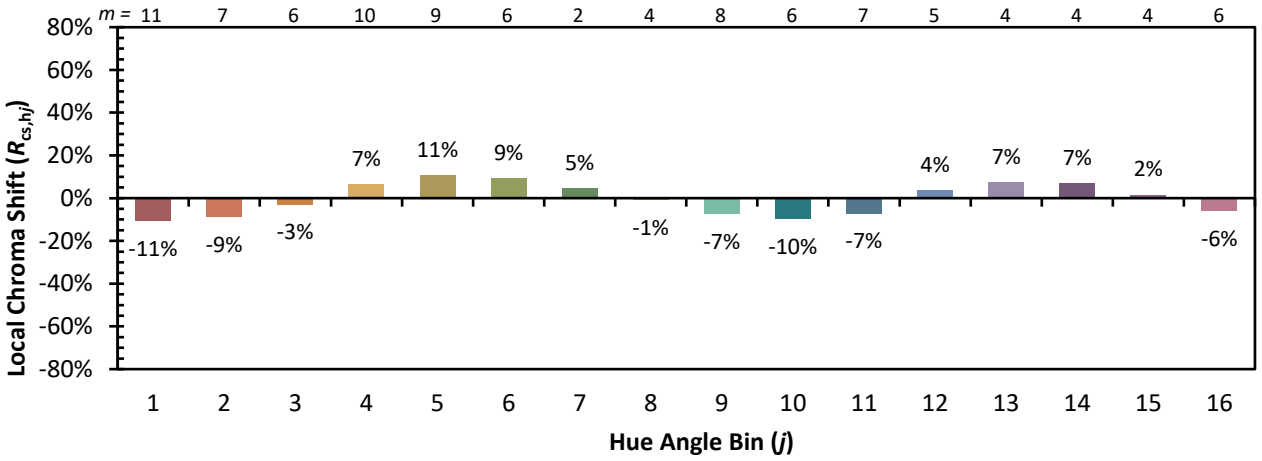
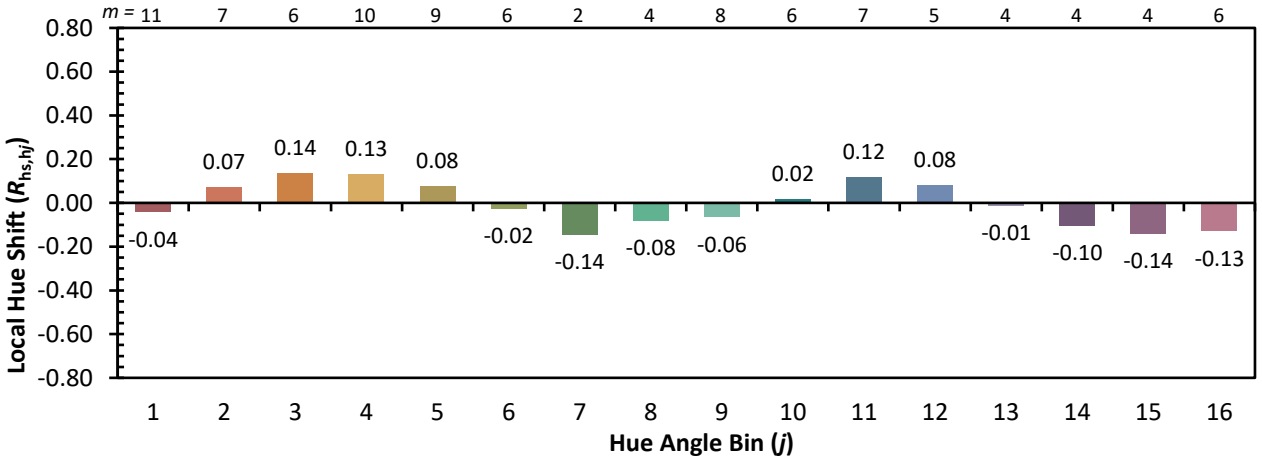
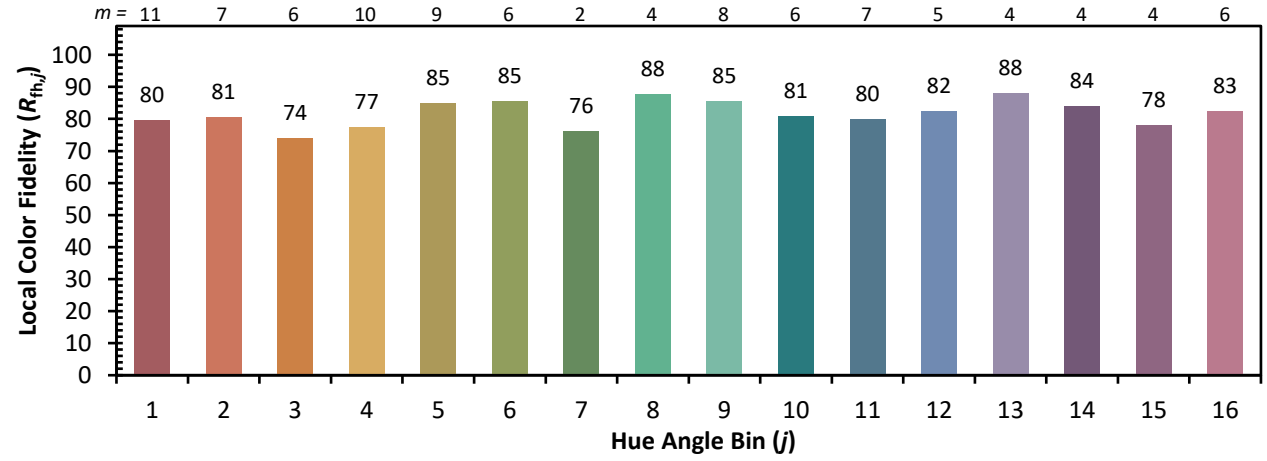
Color Rendition by Hue-Angle Bin







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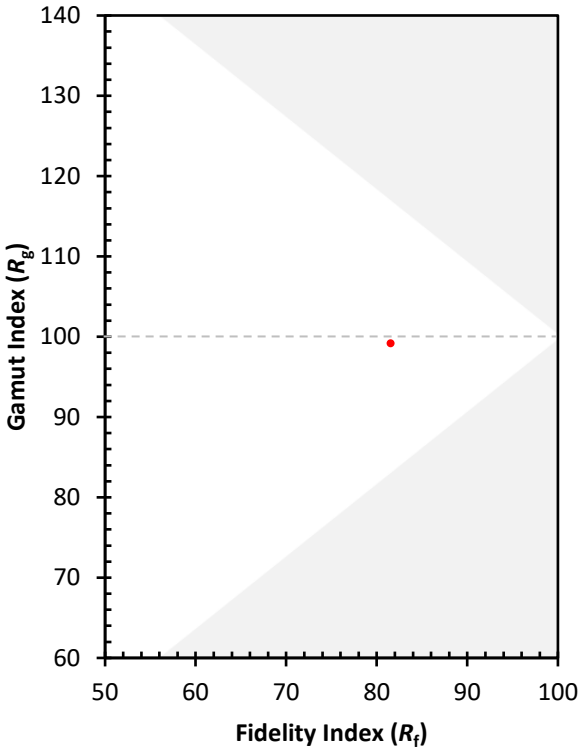
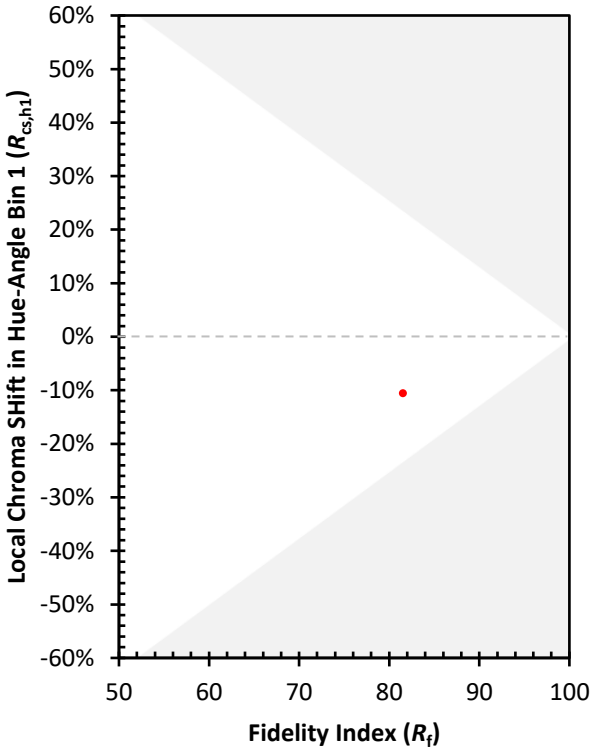
Measure Comparisons





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