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: P387183

Luminaire Tested: **GPC-SA2D-830-U-T3**

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:	P387183
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
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-T3
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12870 lumens
Efficiency:	N/A
Efficacy:	100.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

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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Scaled Data Report

REPORT NUMBER: P387183
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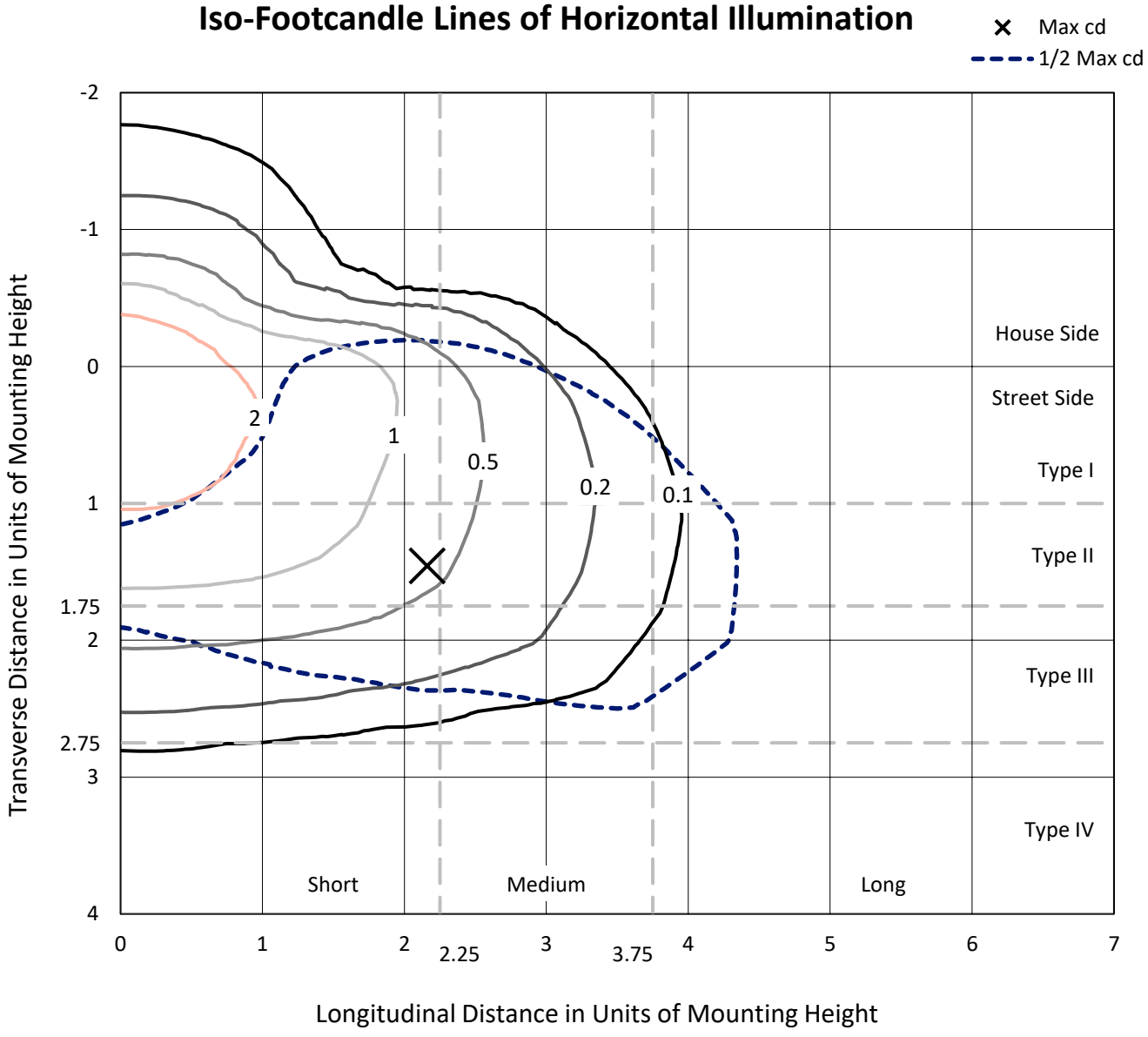
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
Type III - Short - N/A

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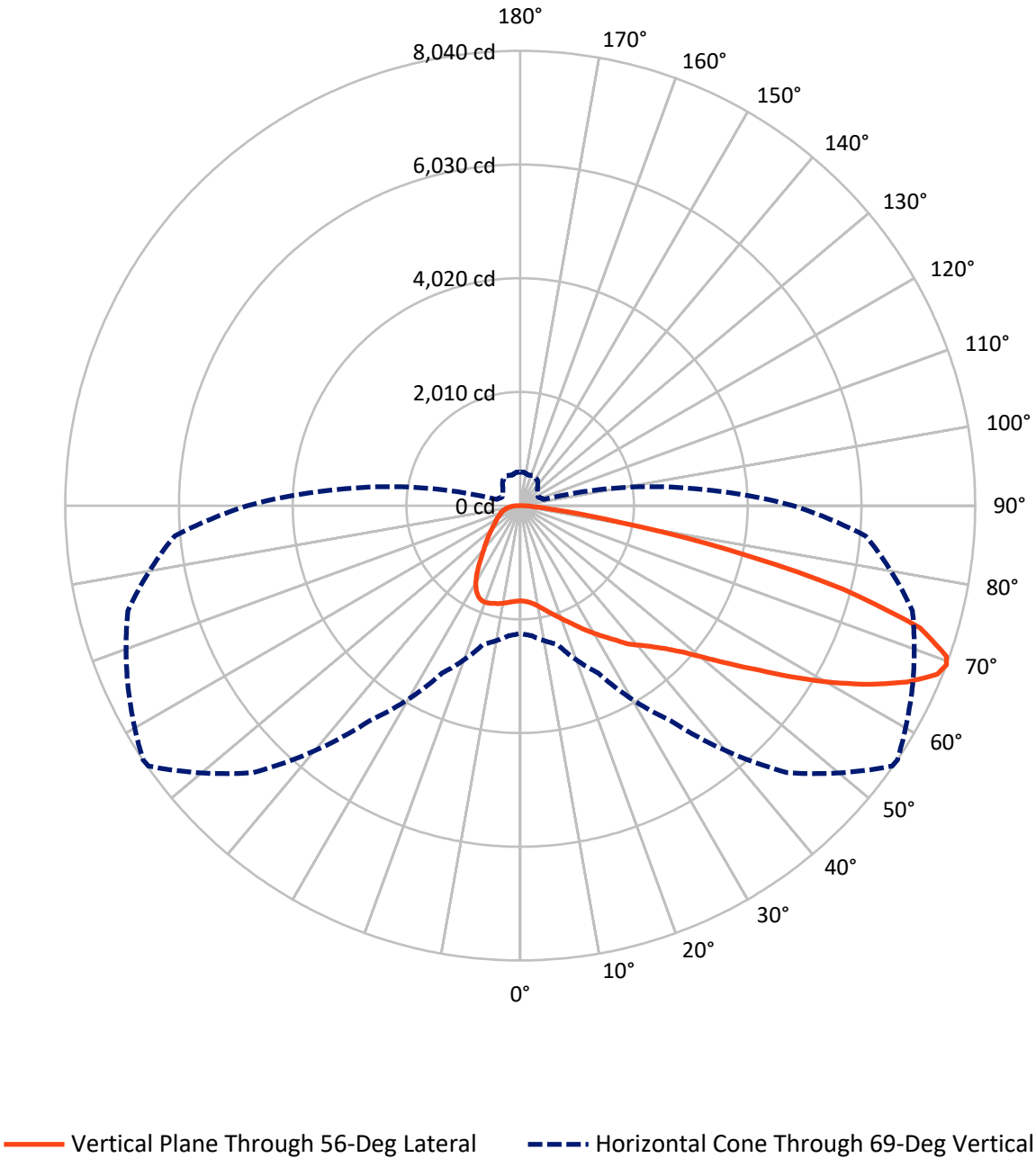
Luminous Intensity Polar Plot



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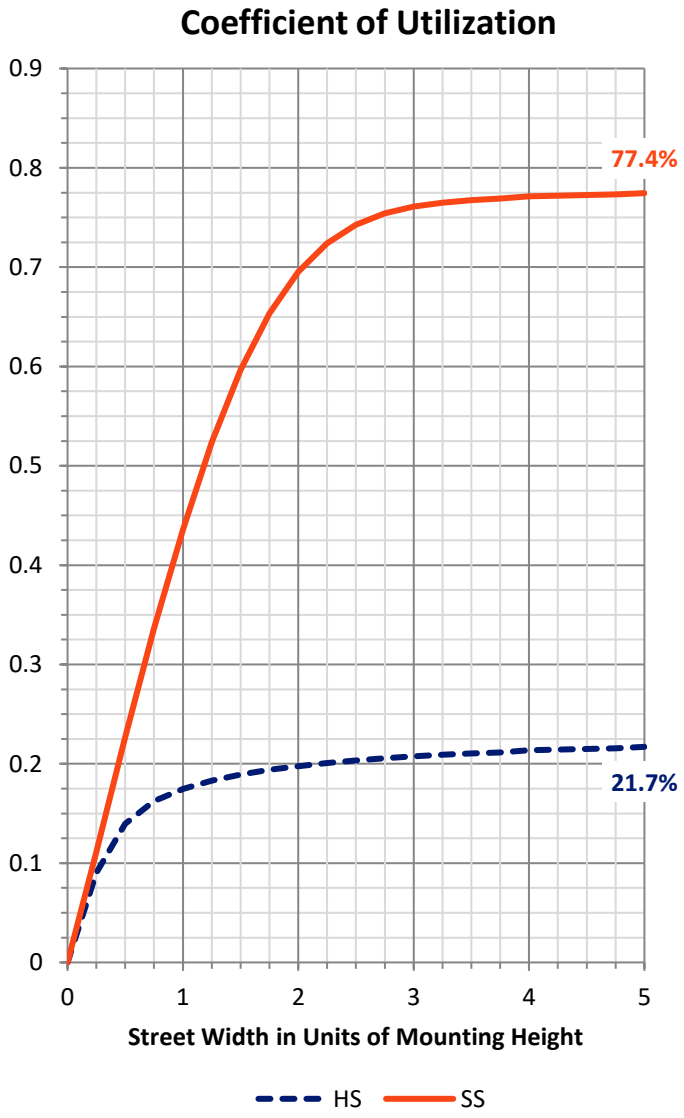
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2866.1	0.0	2866.1
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	10003.9	0.0	10003.9
	% Fixture	77.7	0.0	77.7
Total	Lumens	12870.0	0.0	12870.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.3	1.3
10°-20°	531.4	4.1
20°-30°	927.6	7.2
30°-40°	1332.5	10.4
40°-50°	1844.1	14.3
50°-60°	2701.8	21.0
60°-70°	3294.0	25.6
70°-80°	1821.1	14.2
80°-90°	252.2	2.0
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°	12870.0	100.0
0°-180°	12870.0	100.0



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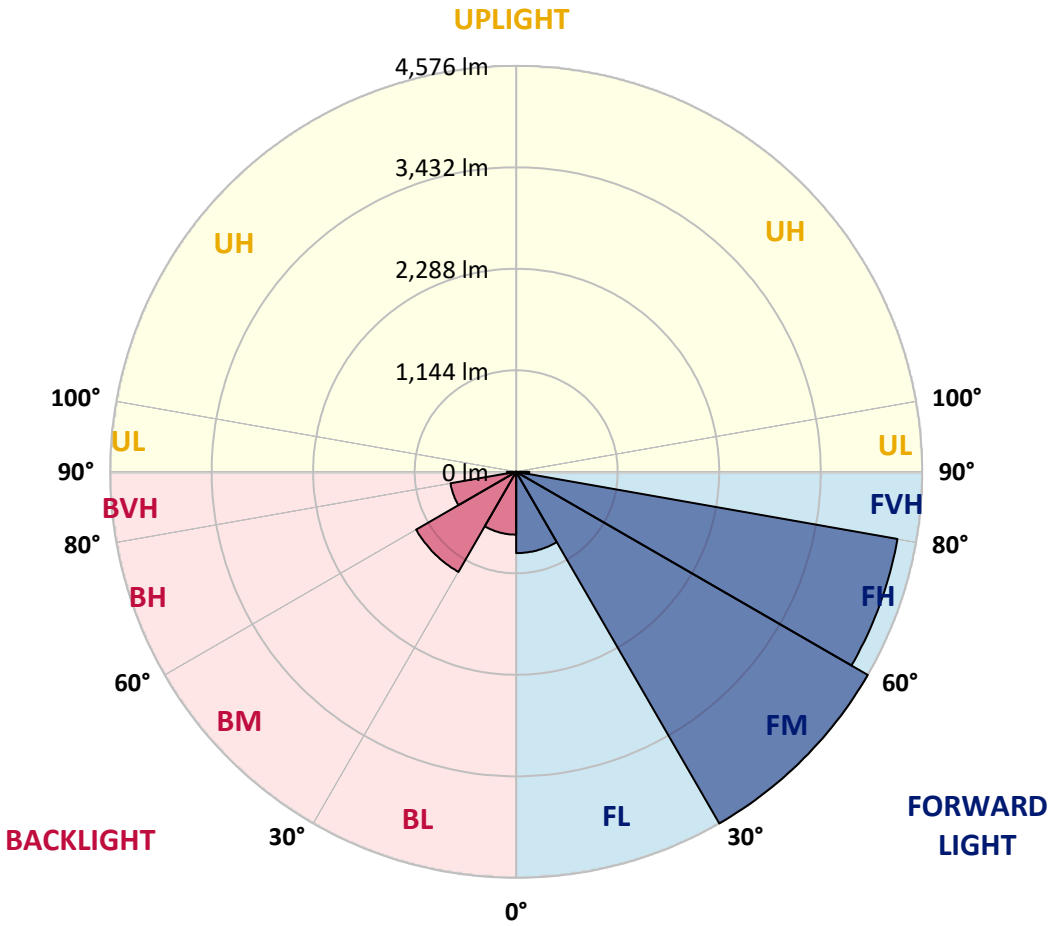
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	916.0	7.1			
FM	(30°-60°)	4575.8	35.6			
FH	(60°-80°)	4363.6	33.9			G2/5000
FVH	(80°-90°)	148.6	1.2			G2/225
BL	(0°-30°)	708.3	5.5	B2/1000		
BM	(30°-60°)	1302.6	10.1	B2/2500		
BH	(60°-80°)	751.6	5.8	B2/1000		G2/1000
BVH	(80°-90°)	103.7	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-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	*1682.6*	1682.6	1682.6	1682.6
2.5°	1693.2	1695.0	1693.6	1697.2	1693.2	1695.9	1693.6	*1693.6*	1692.3	1688.3	1683.9
5°	1719.8	1723.3	1721.1	1724.7	1719.8	1720.7	1716.7	*1716.7*	1712.7	1704.3	1695.4
7.5°	1761.5	1765.5	1763.7	1767.2	1760.6	1760.6	1755.3	*1754.8*	1746.8	1733.1	1722.9
10°	1811.1	1816.5	1814.7	1820.0	1814.7	1816.5	1811.1	*1811.1*	1800.5	1781.0	1768.1
12.5°	1883.4	1890.1	1885.2	1884.7	1882.5	1886.1	1881.6	*1880.7*	1871.0	1844.4	1826.7
15°	1980.1	1987.1	1977.0	1976.1	1963.7	1962.3	1962.3	*1961.0*	1954.8	1922.9	1893.6
17.5°	2091.3	2093.6	2084.7	2070.5	2054.5	2044.3	2043.0	*2046.6*	2046.6	2009.3	1962.8
20°	2200.4	2204.4	2197.3	2181.3	2160.9	2145.9	2135.2	*2142.3*	2141.9	2097.5	2031.5
22.5°	2319.2	2328.5	2317.9	2297.5	2273.6	2256.7	2238.1	*2244.3*	2244.7	2190.2	2098.9
25°	2473.1	2464.6	2458.0	2429.2	2395.0	2377.8	2360.5	*2366.7*	2364.9	2290.0	2168.5
27.5°	2609.2	2611.0	2602.1	2571.5	2532.0	2493.9	2493.0	*2497.0*	2490.4	2393.7	2234.1
30°	2767.5	2768.4	2755.9	2728.4	2685.4	2636.2	2624.7	*2631.4*	2617.2	2492.1	2303.3
32.5°	2924.9	2929.3	2915.5	2882.3	2847.7	2787.9	2764.8	*2769.2*	2733.8	2592.8	2374.6
35°	3062.7	3069.0	3064.5	3042.4	3004.7	2953.2	2925.7	*2923.1*	2879.2	2716.0	2469.1
37.5°	3203.3	3209.1	3204.2	3185.6	3170.5	3115.9	3101.3	*3101.3*	3025.1	2842.0	2589.2
40°	3347.8	3356.7	3350.9	3325.2	3312.4	3287.5	3252.5	*3244.1*	3161.6	2993.1	2785.2
42.5°	3482.2	3493.7	3516.7	3501.7	3475.5	3479.1	3408.6	*3404.1*	3343.8	3216.6	3031.3
45°	3672.8	3689.7	3728.7	3717.1	3711.8	3692.3	3608.5	*3604.5*	3581.5	3517.2	3336.7
47.5°	3880.7	3903.8	3974.3	3976.5	4033.7	3996.9	3883.0	*3869.2*	3874.5	3877.2	3709.6
50°	4072.3	4097.6	4213.3	4267.8	4402.6	4410.6	4228.3	*4215.9*	4236.8	4298.0	4144.1
52.5°	4225.2	4257.2	4401.7	4570.2	4801.2	4866.8	4653.5	*4644.2*	4659.7	4765.3	4635.3
55°	4337.4	4372.0	4529.4	4836.2	5205.1	5320.8	5143.0	*5134.1*	5143.9	5278.2	5169.6
57.5°	4363.6	4372.0	4600.3	5015.3	5546.0	5824.0	5742.0	*5724.2*	5676.4	5793.4	5759.3
60°	4240.8	4274.5	4541.8	5078.3	5809.8	6320.1	6368.0	*6345.8*	6211.5	6307.3	6279.8
62.5°	3991.6	4051.9	4323.2	4982.5	5913.1	6725.4	6982.1	*6955.5*	6724.0	6786.1	6654.0
65°	3584.6	3610.3	3895.4	4652.2	5781.9	6984.7	7529.6	*7516.3*	7225.0	7127.9	6723.1
67.5°	2856.6	2904.9	3147.0	3961.9	5245.0	6954.1	7953.0	*7951.7*	7552.2	7254.7	6478.0
69°	*2256.7*	*2306.8*	*2537.4*	*3263.6*	*4641.1*	*6674.4*	*8024.0*	*8039.5*	*7644.4*	*7177.6*	*6127.7*
70°	1799.2	1857.2	2015.5	2748.8	4105.1	6305.5	7965.0	*7992.9*	7626.7	7050.3	5804.5
72.5°	765.7	812.7	925.3	1417.0	2501.9	4708.5	7282.7	*7388.2*	7215.7	6452.7	4797.2
75°	334.3	348.9	399.9	577.7	1110.6	2562.6	5705.2	*5900.3*	6169.8	5454.2	3573.5
77.5°	244.7	250.9	278.9	339.2	498.3	967.9	3668.8	*3782.3*	4449.6	3969.0	2192.0
80°	189.3	193.7	215.5	249.2	325.4	391.5	1673.2	*1770.8*	2501.9	2038.6	912.9
82.5°	150.7	153.8	168.9	183.6	224.8	237.2	555.5	*616.3*	923.5	563.1	241.6
85°	140.1	143.6	149.0	133.9	144.1	139.2	240.3	*251.4*	278.9	221.2	101.1
87.5°	63.4	74.9	147.6	104.2	76.7	61.2	98.4	*102.9*	115.7	116.2	44.8
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-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6
2.5°	1686.5	1685.2	1687.4	1682.1	1688.8	1688.3	1686.1	1687.0	1691.4	1691.0	1691.4
5°	1696.7	1695.9	1698.5	1694.5	1702.5	1705.2	1705.6	1709.6	1714.5	1715.8	1715.8
7.5°	1722.5	1722.5	1723.8	1718.5	1723.8	1723.3	1721.1	1725.1	1730.0	1730.4	1730.0
10°	1766.8	1767.2	1765.0	1751.3	1746.8	1734.9	1723.8	1724.2	1730.4	1735.3	1736.6
12.5°	1822.7	1820.9	1811.1	1785.9	1767.2	1742.9	1731.3	1730.9	1737.1	1741.1	1742.4
15°	1886.5	1881.6	1856.4	1815.1	1782.3	1758.4	1739.8	1735.3	1731.8	1727.3	1727.8
17.5°	1946.8	1935.7	1893.6	1836.4	1801.8	1769.9	1734.0	1705.2	1685.2	1673.7	1670.1
20°	2008.0	1986.3	1925.5	1856.4	1812.5	1754.4	1685.2	1626.7	1590.3	1573.5	1570.4
22.5°	2063.9	2028.8	1955.2	1877.2	1804.0	1702.1	1593.4	1508.3	1457.8	1435.2	1436.9
25°	2118.4	2069.6	1986.3	1891.8	1761.5	1609.8	1465.8	1361.1	1302.6	1277.3	1276.4
27.5°	2166.3	2110.8	2020.0	1879.9	1682.1	1478.6	1314.6	1212.6	1163.8	1142.1	1138.6
30°	2221.2	2162.7	2064.7	1834.2	1566.0	1327.0	1166.9	1095.1	1060.5	1038.8	1034.8
32.5°	2288.2	2233.2	2101.5	1751.3	1417.4	1168.7	1051.7	1001.6	970.1	945.7	941.3
35°	2385.7	2326.3	2110.8	1632.5	1254.3	1043.7	967.0	915.5	873.0	841.5	838.4
37.5°	2508.1	2442.9	2089.6	1478.6	1096.0	962.5	896.5	833.1	777.7	733.3	726.2
40°	2684.6	2586.1	2030.6	1301.3	979.4	900.0	827.8	755.5	686.8	634.9	624.7
42.5°	2896.5	2754.2	1940.2	1124.8	893.8	836.6	759.5	669.9	604.3	567.5	562.2
45°	3166.0	2928.8	1814.7	970.5	809.6	773.2	685.9	603.4	562.6	535.6	531.1
47.5°	3473.7	3124.8	1683.0	845.0	738.2	713.8	626.9	573.7	541.3	520.1	516.1
50°	3851.9	3346.1	1543.3	742.2	666.4	642.4	599.0	557.3	531.6	515.2	511.2
52.5°	4278.4	3595.7	1442.7	661.1	607.0	589.7	584.4	548.4	527.6	515.2	511.2
55°	4737.8	3849.7	1334.1	592.8	555.5	560.4	574.6	549.3	535.1	520.1	514.3
57.5°	5197.5	4112.2	1213.0	535.1	514.7	538.7	567.9	551.1	539.1	524.5	519.2
60°	5561.1	4278.4	1025.5	486.8	482.4	514.7	552.0	537.8	522.3	522.7	521.8
62.5°	5730.9	4269.6	818.4	443.8	450.0	482.4	526.3	517.0	504.1	521.4	522.7
65°	5635.6	4056.8	637.1	404.8	415.4	448.7	499.7	506.8	511.2	544.4	548.9
67.5°	5235.7	3642.7	493.5	370.7	384.0	425.6	502.3	552.0	557.7	592.8	592.3
69°	*4822.0*	*3254.3*	*428.7*	*352.9*	*368.4*	*431.4*	*536.9*	*580.8*	*559.1*	*596.3*	*591.0*
70°	4475.3	2947.0	394.1	340.9	361.3	441.6	560.0	580.4	552.4	584.4	575.5
72.5°	3446.7	2120.2	334.3	318.8	337.4	422.5	566.6	567.5	536.9	543.1	528.0
75°	2364.0	1339.8	291.7	288.6	301.0	380.8	545.3	542.2	496.6	487.7	475.3
77.5°	1303.5	680.6	247.8	259.8	268.2	337.4	495.7	491.2	453.6	434.9	430.5
80°	502.8	297.9	209.3	231.0	236.3	292.2	434.5	430.5	399.0	375.1	368.4
82.5°	189.8	156.1	172.9	200.0	198.2	241.2	368.0	365.8	335.2	300.2	289.5
85°	87.8	93.5	137.0	164.9	152.1	178.7	294.4	298.4	261.1	219.5	219.5
87.5°	37.2	52.3	97.1	124.6	102.4	120.6	215.9	206.2	189.3	131.2	123.3
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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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

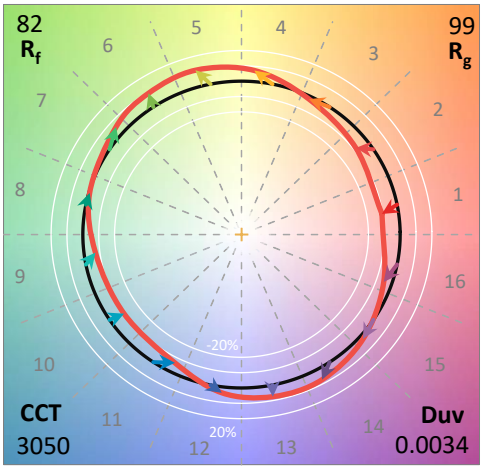
Test Information

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

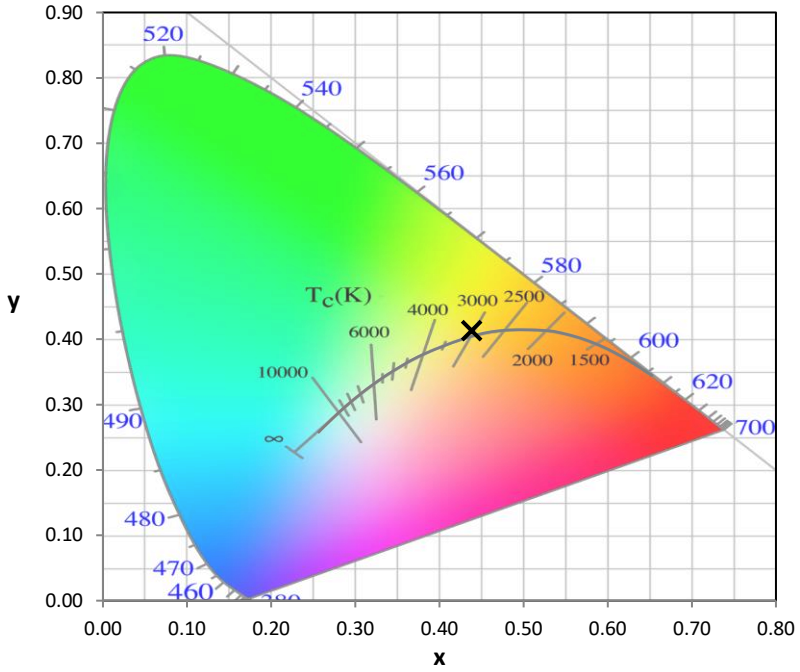
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

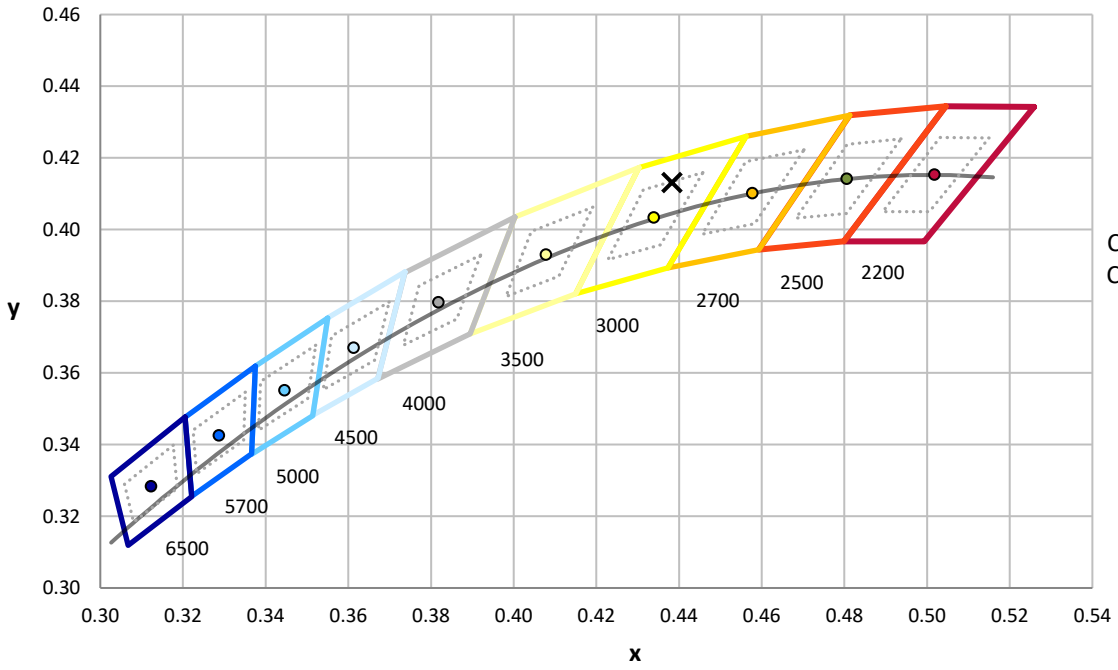
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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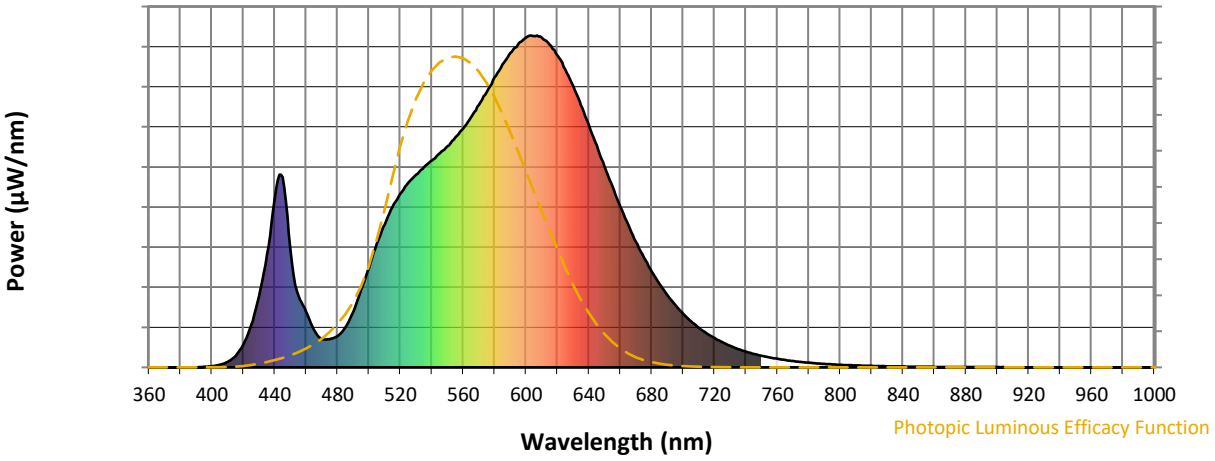
Photopic Flux vs. Wavelength



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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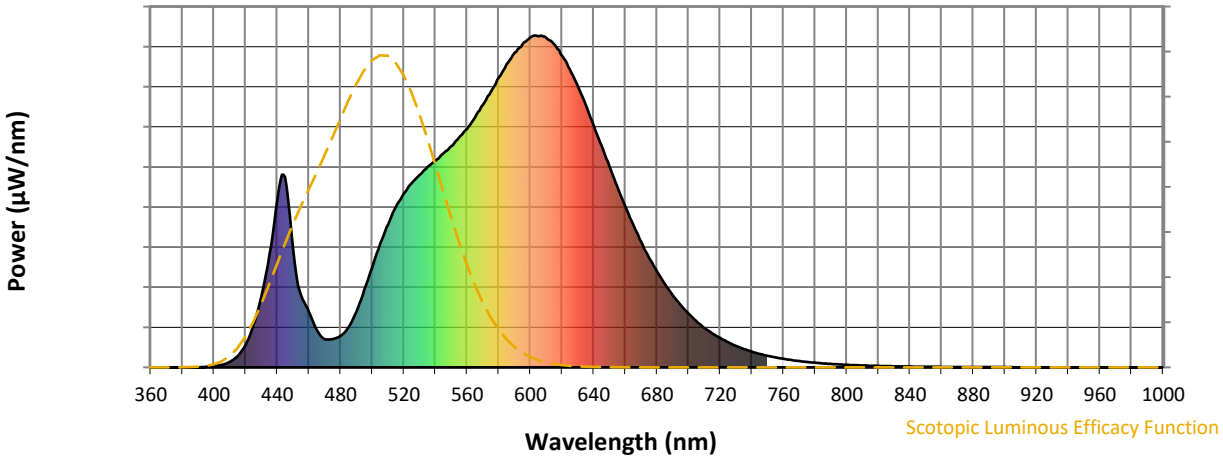
Scotopic Flux vs. Wavelength



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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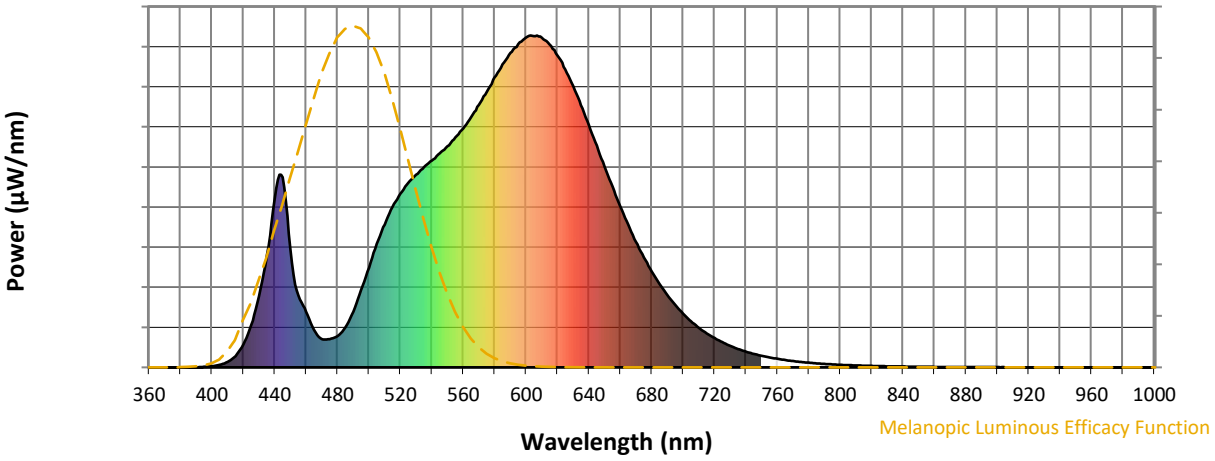
Melanopic Flux vs. Wavelength



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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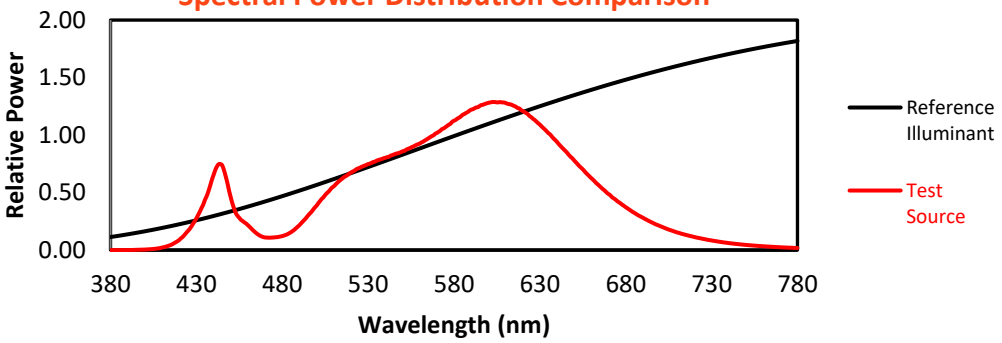
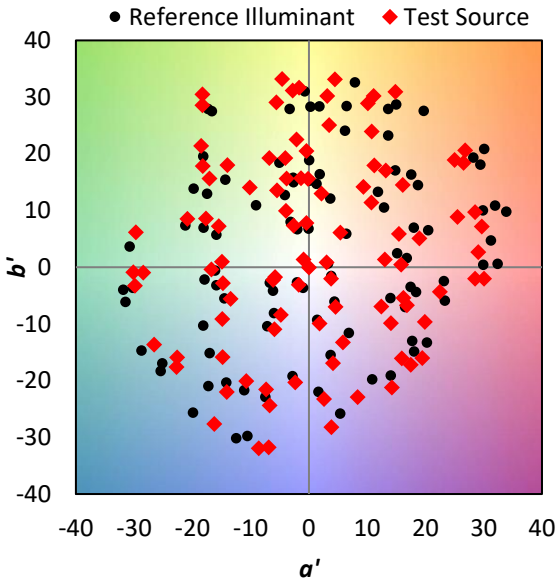
Summary

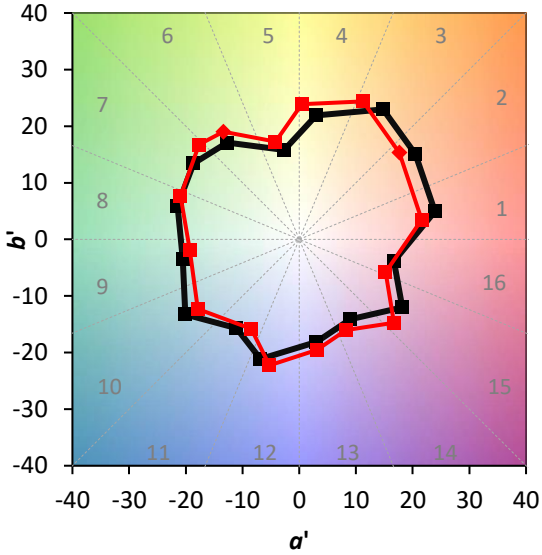
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

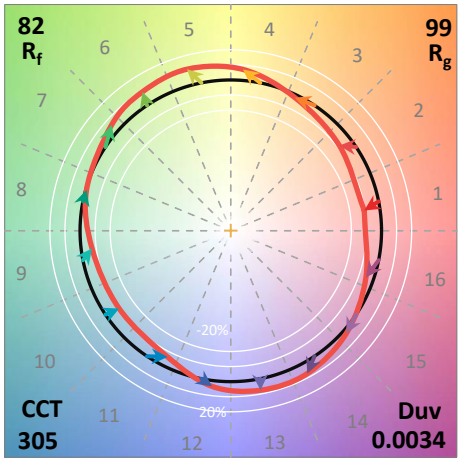
Spectral Power Distribution Comparison

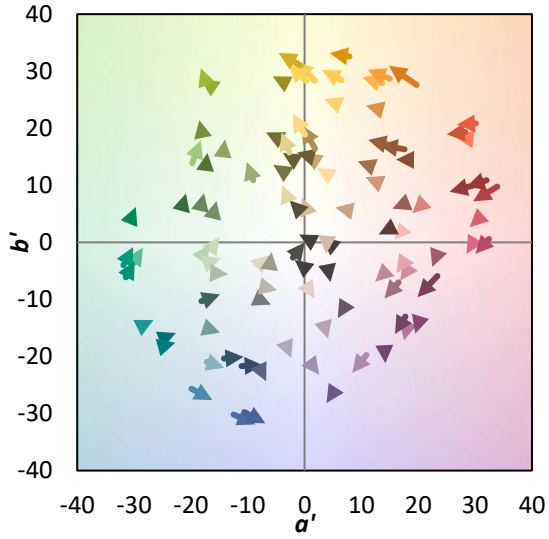


Color Vector Graphics









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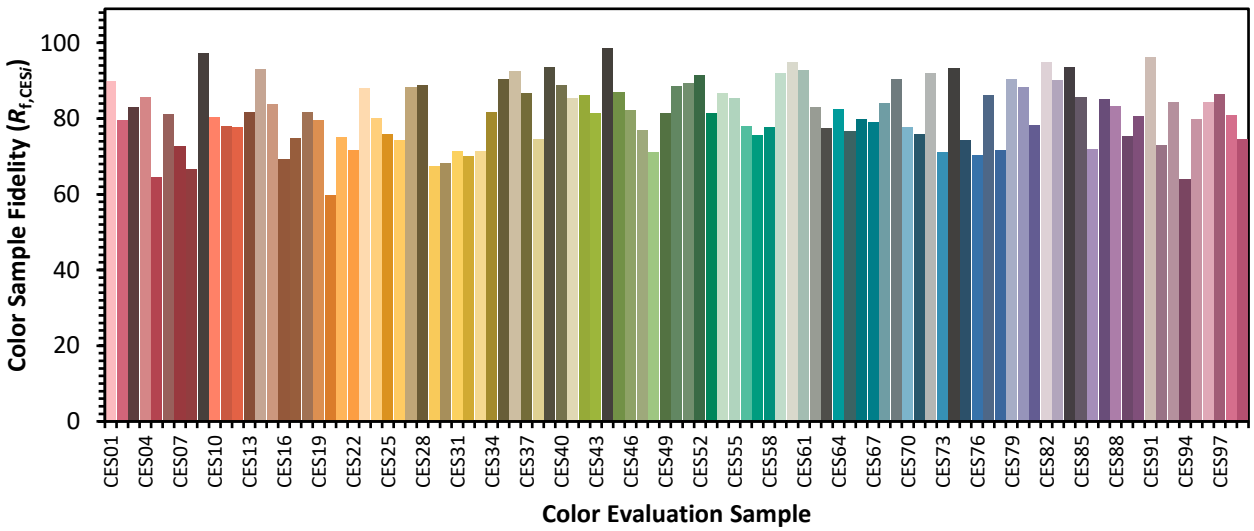
Individual Sample Fidelity Index ($R_{f,i}$)

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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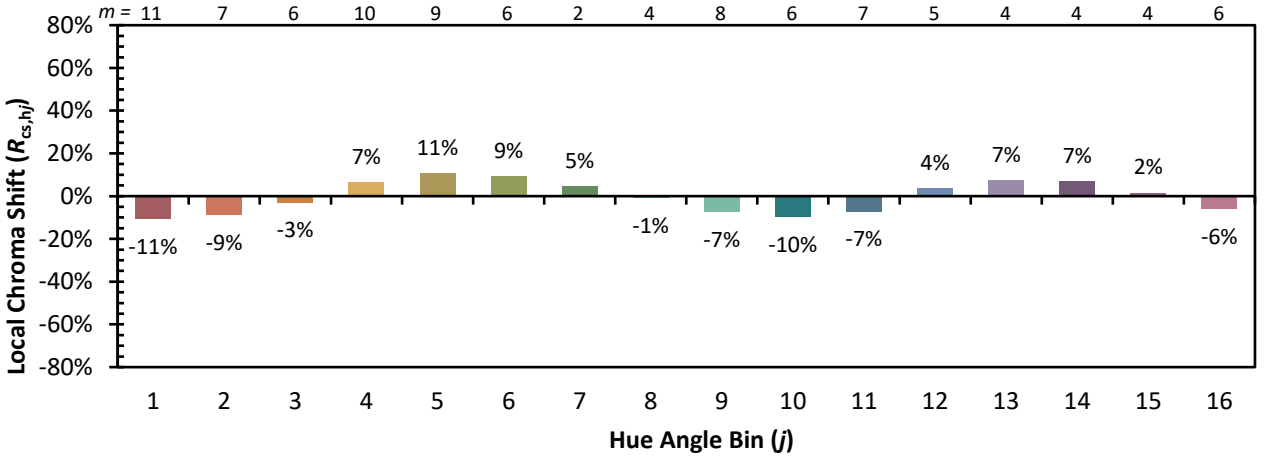
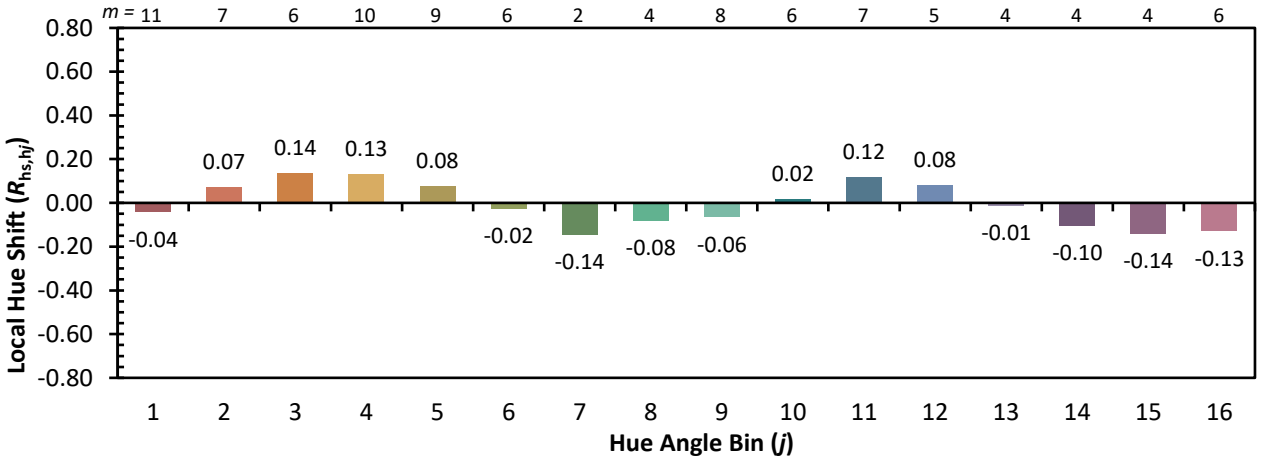
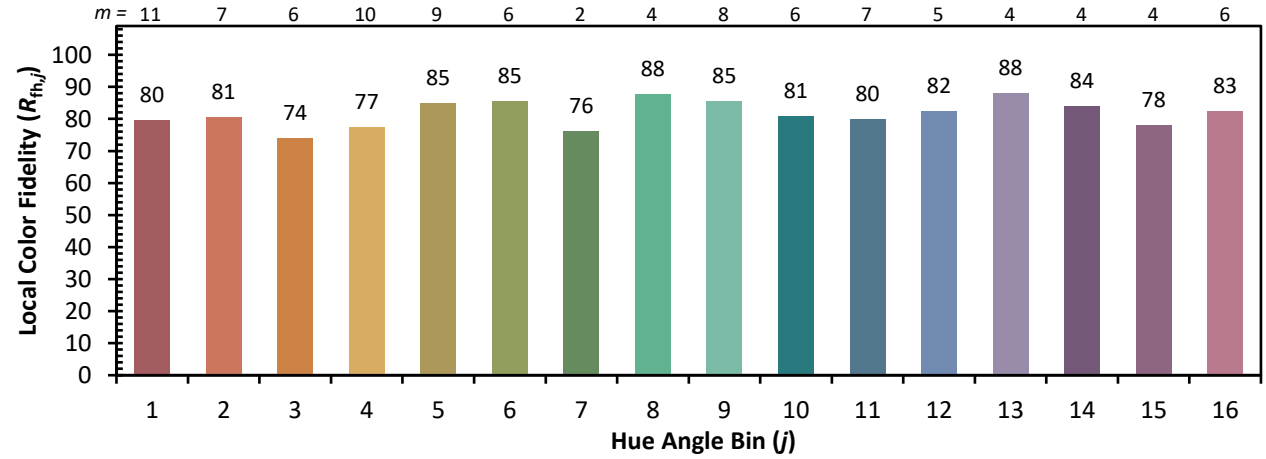
Color Rendition by Hue-Angle Bin







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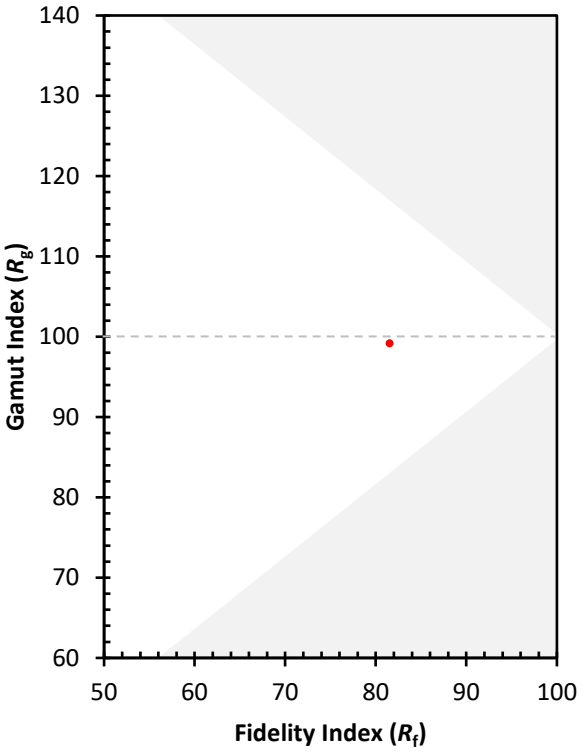
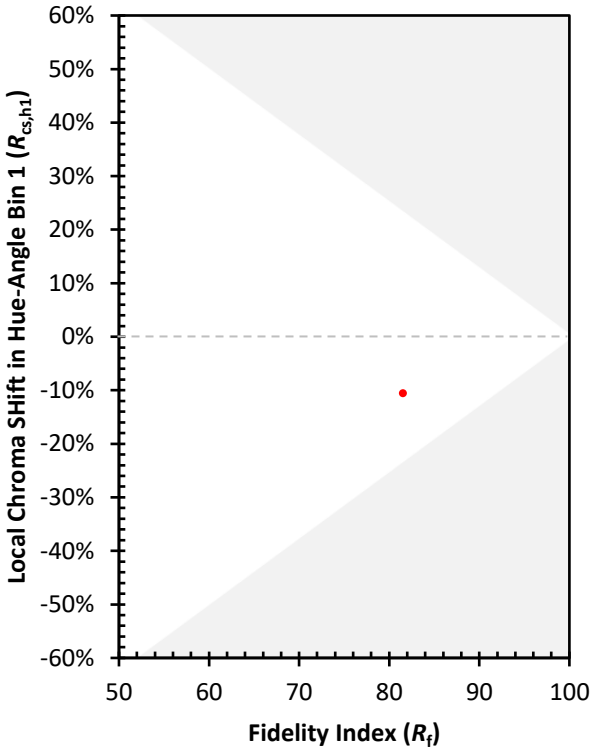
Measure Comparisons





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