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: P386059

Luminaire Tested: **GPC-SA1C-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:	P386059
	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-SA1C-830-U-T2
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5890 lumens
Efficiency:	N/A
Efficacy:	101.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	58
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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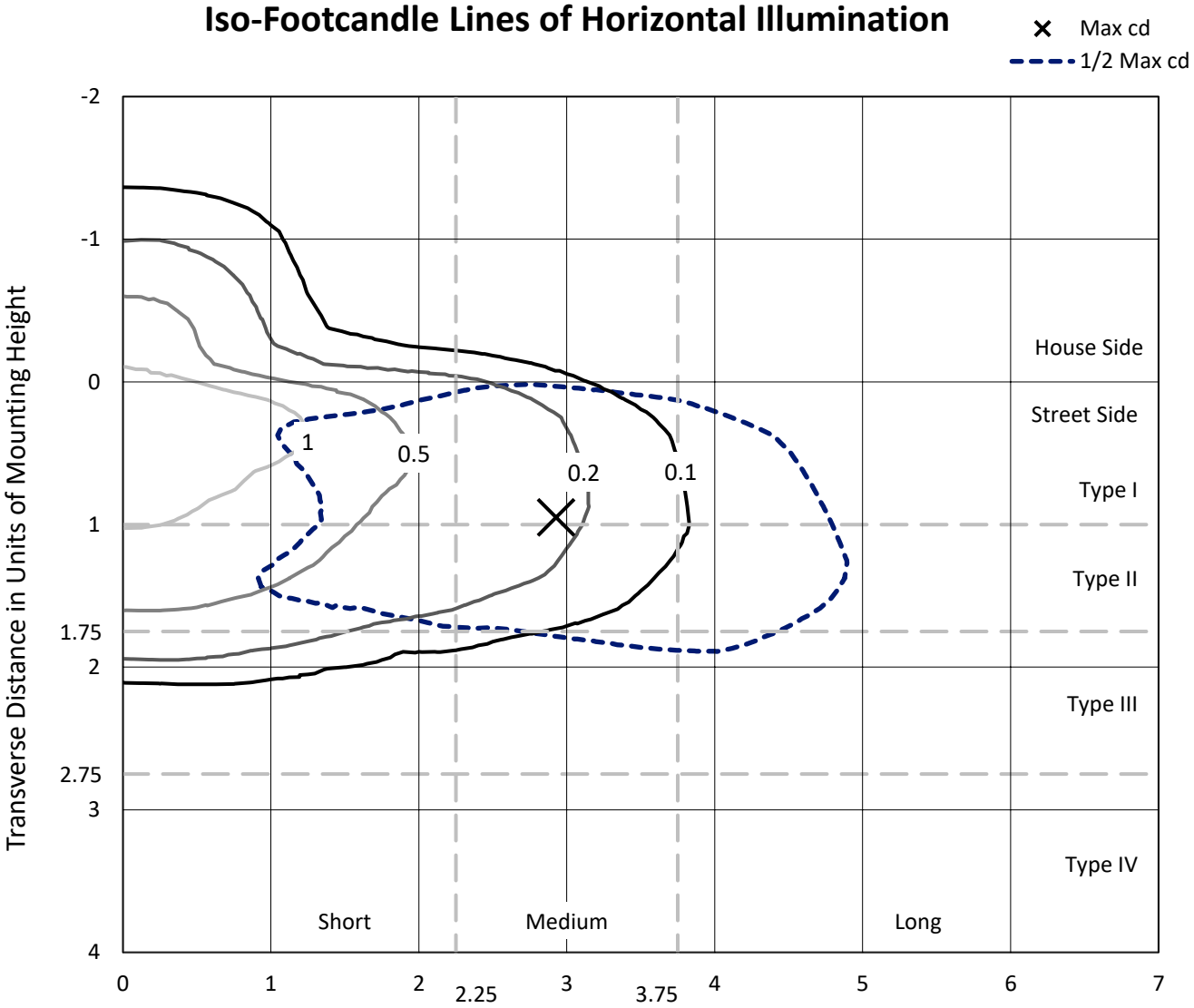
Scaled Data Report

REPORT NUMBER: P386059
CATALOG NUMBER: GPC-SA1C-830-U-T2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type III - Medium - N/A

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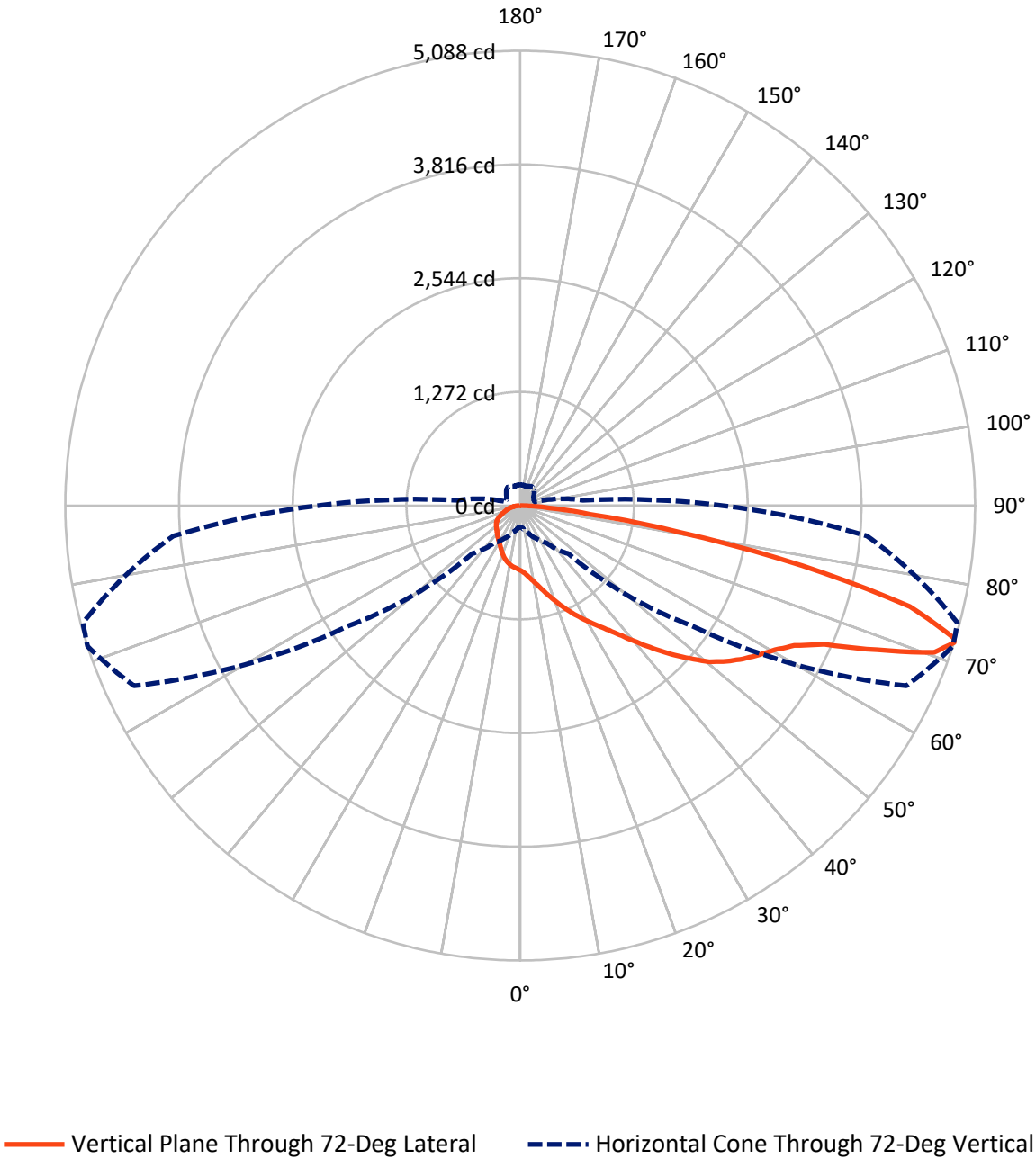
Luminous Intensity Polar Plot



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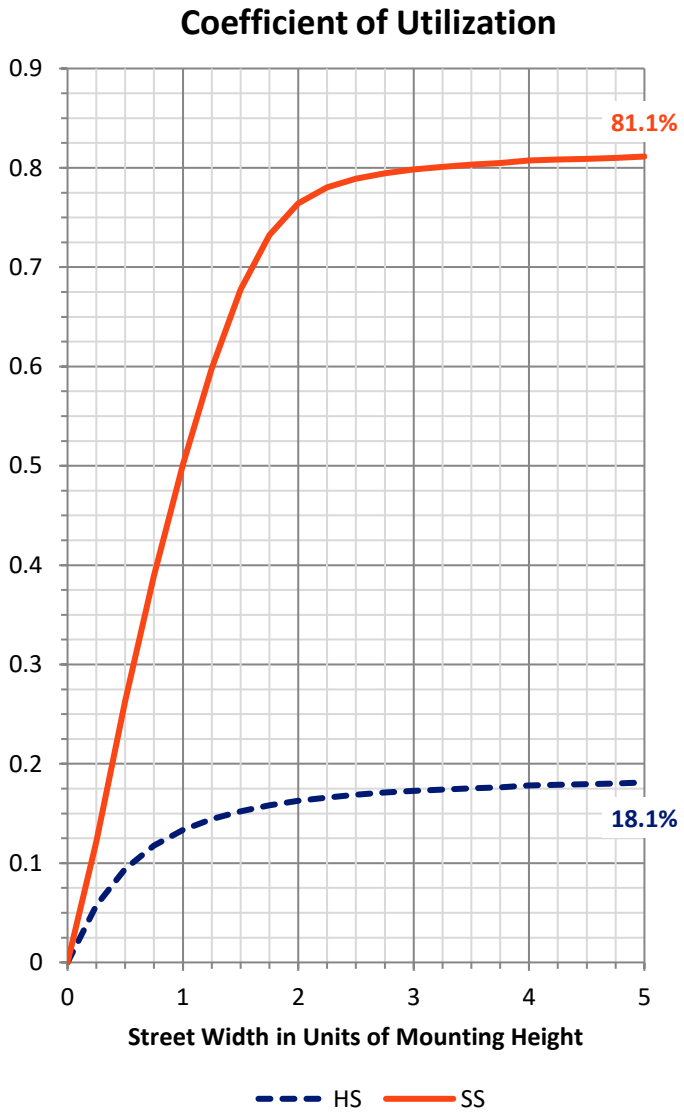
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1092.6	0.0	1092.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	4797.4	0.0	4797.4
	% Fixture	81.4	0.0	81.4
Total	Lumens	5890.0	0.0	5890.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	1.2
10°-20°	234.6	4.0
20°-30°	411.2	7.0
30°-40°	609.6	10.4
40°-50°	891.6	15.1
50°-60°	1226.9	20.8
60°-70°	1365.9	23.2
70°-80°	925.5	15.7
80°-90°	152.1	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°	5890.0	100.0
0°-180°	5890.0	100.0



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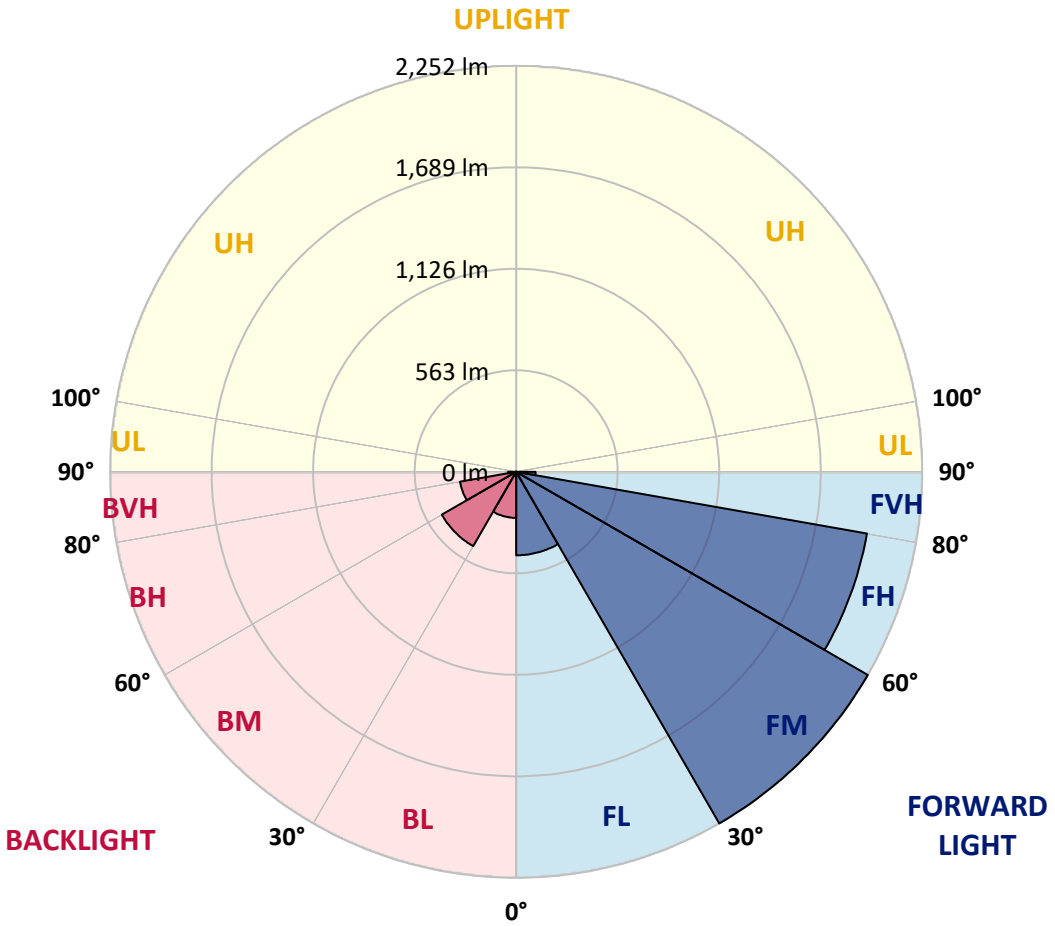
REPORT NUMBER: P386059
CATALOG NUMBER: GPC-SA1C-830-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	463.0	7.9			
FM	(30°-60°)	2251.8	38.2			
FH	(60°-80°)	1975.3	33.5			G2/5000
FVH	(80°-90°)	107.3	1.8			G2/225
BL	(0°-30°)	255.4	4.3	B1/500		
BM	(30°-60°)	476.3	8.1	B1/1000		
BH	(60°-80°)	316.1	5.4	B1/500		G1/500
BVH	(80°-90°)	44.8	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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Scaled Data Report

REPORT NUMBER: P386059
CATALOG NUMBER: GPC-SA1C-830-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6	*724.6*	724.6	724.6
2.5°	800.5	799.3	795.0	795.0	786.9	780.0	767.0	758.3	*747.9*	744.3	732.1
5°	877.9	878.4	873.1	869.4	857.5	842.9	820.8	800.7	*780.6*	772.5	747.5
7.5°	943.0	942.2	940.8	937.8	926.6	911.6	881.8	852.0	*822.4*	810.2	767.2
10°	984.8	986.6	987.9	989.3	984.6	973.9	945.7	909.4	*870.6*	854.0	790.7
12.5°	1005.9	1009.2	1014.8	1024.6	1032.3	1031.1	1010.6	972.0	*926.0*	905.1	820.1
15°	1018.3	1022.5	1031.5	1048.9	1070.6	1083.0	1077.5	1042.6	*991.3*	965.6	856.0
17.5°	1026.0	1029.4	1043.2	1066.6	1098.8	1131.7	1146.1	1116.8	*1065.1*	1035.7	897.2
20°	1031.3	1033.9	1051.1	1078.5	1120.3	1172.6	1212.8	1205.5	*1146.5*	1108.3	940.2
22.5°	1043.0	1045.3	1061.7	1089.3	1135.5	1203.0	1277.1	1288.0	*1232.2*	1189.0	986.2
25°	1075.9	1075.9	1089.7	1108.9	1152.3	1229.4	1331.4	1379.9	*1319.9*	1269.6	1028.8
27.5°	1138.5	1137.9	1143.0	1149.7	1182.6	1256.2	1379.9	1461.0	*1410.7*	1355.8	1070.2
30°	1212.8	1216.8	1217.4	1214.2	1229.6	1289.6	1424.7	1546.6	*1502.2*	1443.0	1112.6
32.5°	1308.3	1310.9	1307.9	1297.1	1294.9	1337.1	1468.7	1636.2	*1601.1*	1534.0	1151.3
35°	1429.6	1424.5	1415.0	1393.1	1372.2	1400.6	1519.0	1725.9	*1712.3*	1644.1	1204.7
37.5°	1559.6	1559.8	1548.0	1498.3	1469.5	1481.7	1588.4	1827.5	*1846.7*	1775.2	1273.0
40°	1663.8	1669.3	1676.6	1611.3	1574.0	1590.8	1676.6	1945.3	*2005.7*	1930.5	1362.0
42.5°	1736.6	1742.9	1763.6	1722.6	1683.9	1715.1	1780.4	2071.0	*2184.2*	2109.8	1466.3
45°	1813.7	1817.1	1831.7	1814.1	1789.4	1859.7	1897.4	2201.2	*2373.0*	2300.8	1582.9
47.5°	1894.8	1898.5	1913.5	1901.7	1888.7	1994.8	2019.5	2323.9	*2553.9*	2510.7	1707.4
50°	1995.0	1997.4	2011.6	1990.3	1994.4	2096.6	2128.6	2436.5	*2743.6*	2699.3	1832.3
52.5°	2131.7	2132.3	2152.0	2132.7	2113.6	2171.2	2222.5	2542.6	*2892.2*	2871.3	1957.3
55°	2238.8	2245.3	2309.8	2305.7	2294.7	2239.0	2301.0	2643.6	*3024.8*	3034.8	2089.9
57.5°	2170.4	2195.8	2326.4	2418.5	2508.1	2407.5	2407.1	2757.3	*3148.1*	3195.2	2235.7
60°	1900.9	1935.4	2127.8	2332.1	2612.5	2700.8	2627.3	2896.3	*3272.7*	3354.2	2418.5
62.5°	1357.6	1414.4	1675.2	2001.3	2469.4	2895.0	3075.5	3116.7	*3442.0*	3538.3	2655.9
65°	686.3	729.3	947.9	1340.7	1972.9	2768.1	3562.7	3599.4	*3736.3*	3821.9	3021.6
67.5°	417.0	433.2	539.9	745.7	1209.5	2156.2	3721.7	4403.9	*4305.8*	4351.2	3543.0
70°	307.3	319.2	385.7	495.3	695.6	1265.3	3233.7	4978.1	*4913.6*	4908.5	3928.3
72°	*239.3*	*248.0*	*306.8*	*400.1*	*508.6*	*759.1*	*2343.8*	*4766.1*	*5087.6*	*5062.0*	*3893.1*
72.5°	226.9	234.6	288.2	376.6	480.6	688.1	2107.4	4623.2	*5075.0*	5063.4	3847.4
75°	178.7	184.1	213.4	291.2	376.2	390.4	1154.8	3582.8	*4502.1*	4689.3	3460.5
77.5°	147.8	148.7	164.1	211.9	293.3	276.0	567.2	2485.8	*3223.8*	3429.6	2451.3
80°	120.5	121.5	128.8	148.7	221.9	204.2	269.3	1429.4	*1805.0*	1807.2	1165.7
82.5°	95.9	96.1	104.2	108.7	159.4	146.0	154.3	671.1	*788.7*	758.7	419.0
85°	67.5	66.1	101.8	89.2	104.2	93.7	85.2	265.7	*326.1*	311.9	131.2
87.5°	22.5	23.3	45.2	57.8	60.8	53.1	37.9	101.8	*123.1*	122.1	41.6
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: P386059
CATALOG NUMBER: GPC-SA1C-830-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6
2.5°	728.3	721.8	712.3	701.7	693.4	684.9	678.6	675.3	671.7	668.6	672.3
5°	736.0	723.8	703.5	683.7	669.1	656.1	646.7	641.9	637.4	634.4	634.8
7.5°	748.6	728.9	694.8	665.8	645.5	631.5	622.0	618.8	615.9	615.1	616.1
10°	761.9	732.9	683.3	644.7	621.6	610.0	605.8	608.0	610.0	611.9	613.9
12.5°	777.2	736.6	666.4	620.0	600.3	595.8	600.1	609.8	616.9	621.2	623.8
15°	797.0	739.8	646.9	595.2	582.1	587.1	601.5	618.4	630.7	638.6	639.9
17.5°	815.3	739.6	622.0	570.3	567.2	582.1	603.8	627.5	644.1	655.3	657.5
20°	834.1	734.2	593.0	546.0	552.2	576.6	604.8	633.4	653.4	666.4	669.5
22.5°	851.8	724.6	561.2	523.8	539.7	569.3	600.9	629.9	650.0	660.5	663.8
25°	863.7	708.0	528.9	505.2	528.5	560.4	588.3	611.7	626.7	631.9	632.8
27.5°	869.8	686.3	498.5	489.0	517.0	545.7	565.0	576.6	580.8	580.4	579.6
30°	870.6	657.7	472.3	475.8	503.6	524.3	533.4	531.1	525.7	516.3	517.2
32.5°	868.0	625.5	450.4	463.2	486.5	498.1	498.5	487.7	473.1	458.3	454.3
35°	868.8	593.8	431.2	449.0	465.8	470.9	466.2	450.4	430.6	411.5	407.4
37.5°	877.7	566.2	414.5	432.6	442.9	444.1	437.5	420.8	406.2	387.6	385.9
40°	899.0	546.6	398.7	414.1	420.0	420.6	411.1	399.3	400.5	390.6	390.4
42.5°	937.4	538.0	384.7	394.9	398.5	399.7	392.4	384.9	395.5	389.0	386.7
45°	986.9	540.1	373.0	376.0	382.7	388.4	383.9	374.8	378.8	350.7	341.3
47.5°	1044.0	553.1	363.6	359.8	371.3	382.1	375.2	361.4	347.0	319.0	313.7
50°	1111.0	573.1	355.1	343.8	359.0	373.6	366.7	347.0	325.3	311.7	309.9
52.5°	1180.7	597.7	346.6	326.1	343.3	367.1	363.6	343.8	317.0	303.6	301.2
55°	1259.8	622.4	335.8	305.6	326.5	364.0	362.2	332.0	310.7	303.2	301.4
57.5°	1358.2	650.6	321.6	284.3	310.7	353.1	347.4	324.9	304.2	298.5	297.9
60°	1486.4	692.2	301.2	261.6	291.4	336.3	335.0	314.6	293.9	289.8	289.0
62.5°	1678.6	760.9	273.0	238.9	269.9	307.7	318.8	300.6	282.9	282.7	283.1
65°	1976.7	864.4	242.4	219.0	248.2	283.5	299.9	286.2	271.8	275.8	276.4
67.5°	2322.3	950.1	212.3	199.6	226.1	260.6	282.9	271.8	257.0	267.5	267.7
70°	2437.3	873.5	186.0	180.3	203.2	238.5	264.5	255.9	240.9	251.5	250.5
72°	*2268.2*	*705.2*	*168.9*	*165.7*	*186.0*	*220.2*	*248.0*	*241.1*	*226.3*	*233.4*	*230.8*
72.5°	2214.8	672.3	164.7	162.0	181.3	215.6	243.8	237.5	222.7	228.8	226.3
75°	1975.7	583.9	141.6	142.2	158.2	192.9	219.8	217.8	202.6	203.2	202.4
77.5°	1433.0	428.1	119.2	123.3	134.7	169.5	195.7	194.5	177.9	174.8	174.2
80°	665.0	218.4	97.1	99.0	110.7	141.8	166.9	165.3	151.9	148.0	145.8
82.5°	227.8	103.8	73.0	74.2	85.8	114.2	144.8	143.8	132.6	125.1	120.5
85°	81.3	51.7	51.1	49.9	61.2	89.8	126.1	120.7	104.2	88.8	88.4
87.5°	26.4	22.1	26.4	26.2	35.7	60.8	91.7	78.1	75.6	62.9	61.7
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

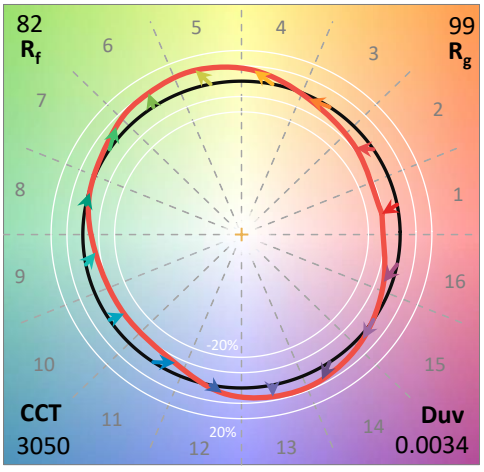
Test Information

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

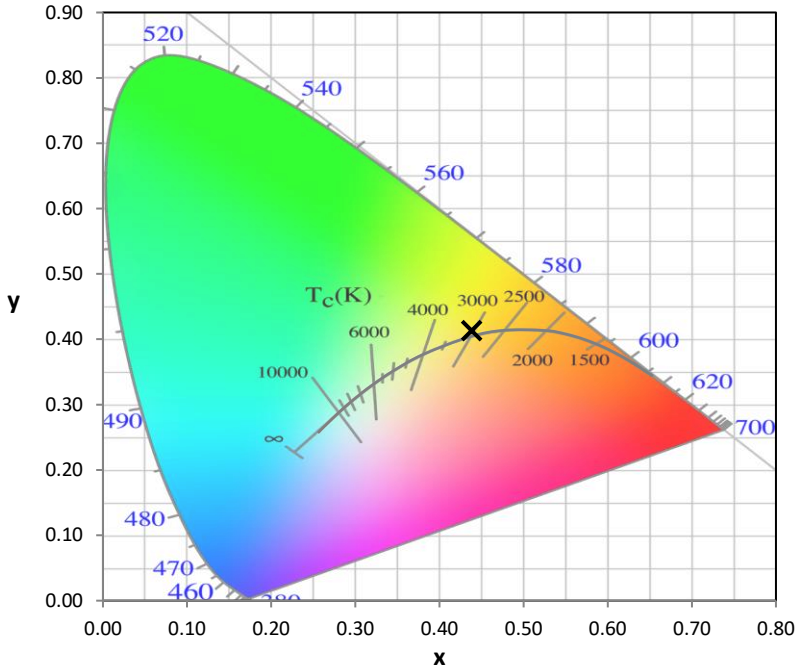
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

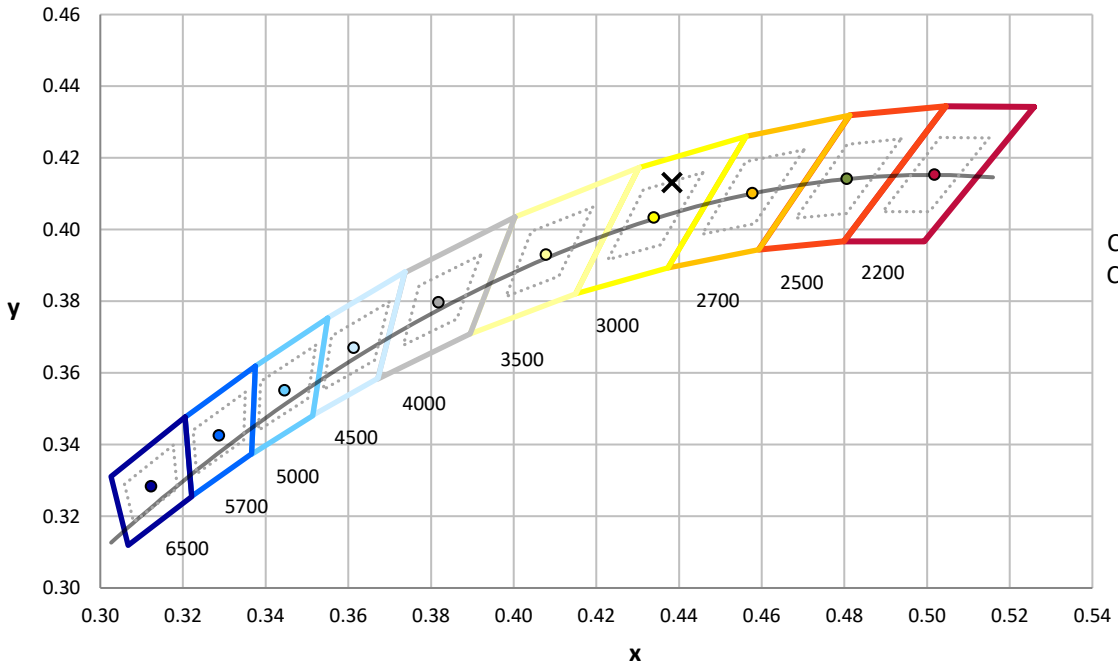
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

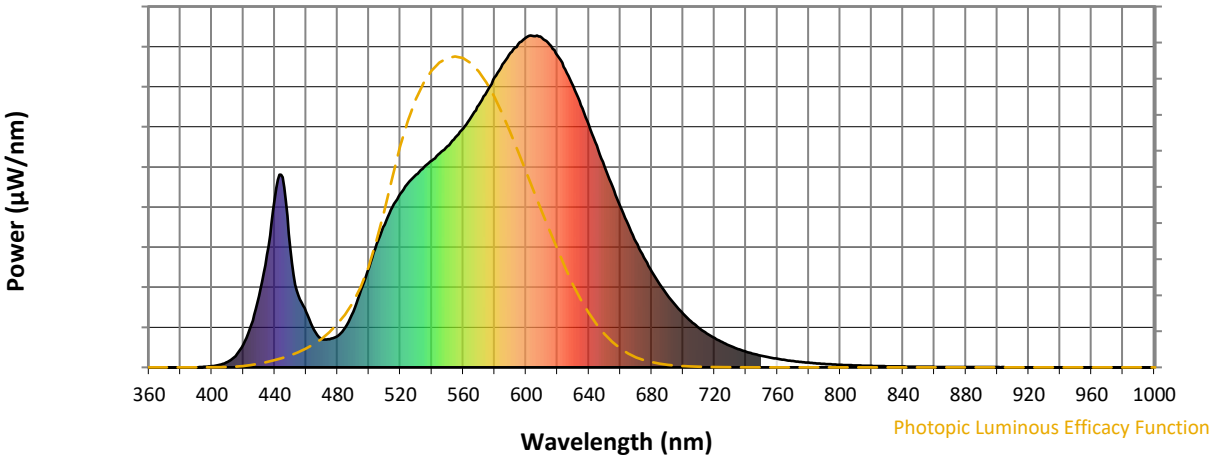


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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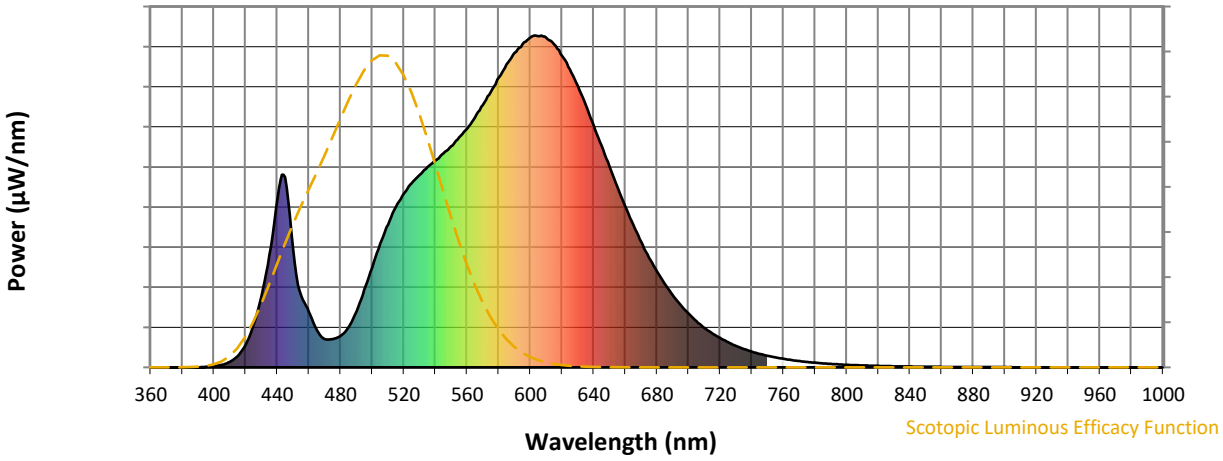
Scotopic Flux vs. Wavelength



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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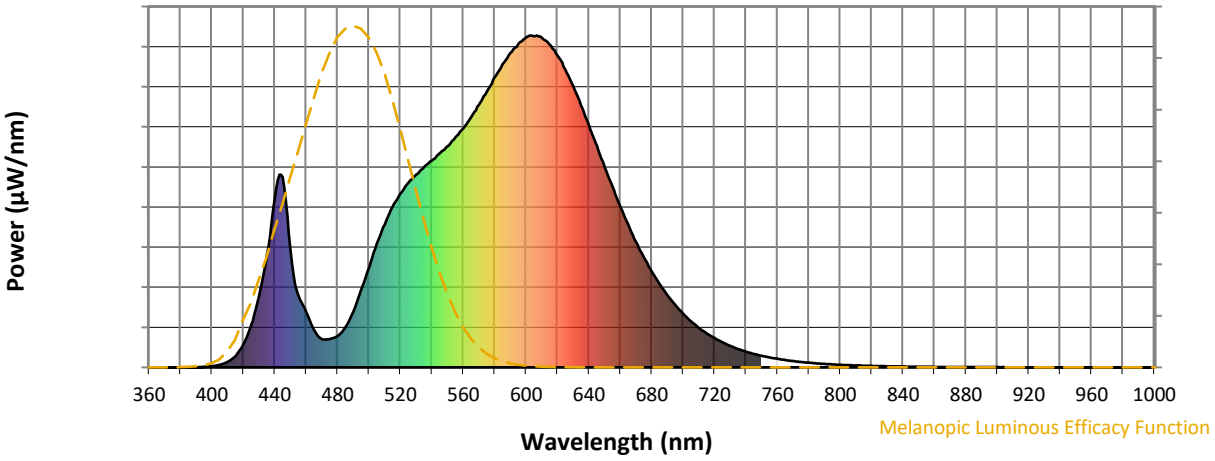
Melanopic Flux vs. Wavelength



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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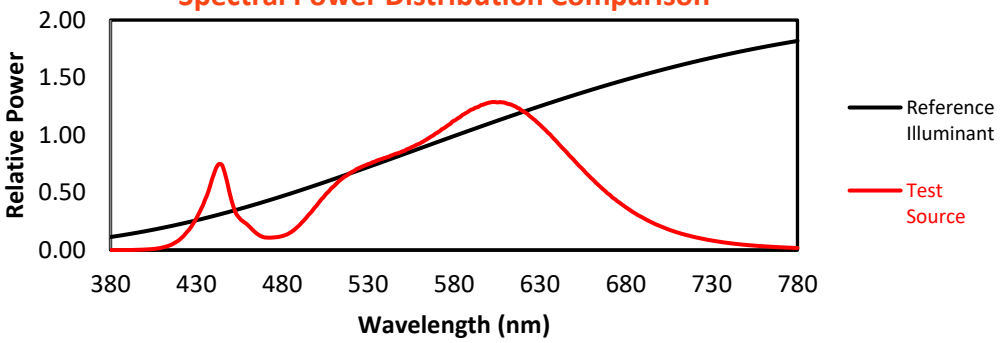
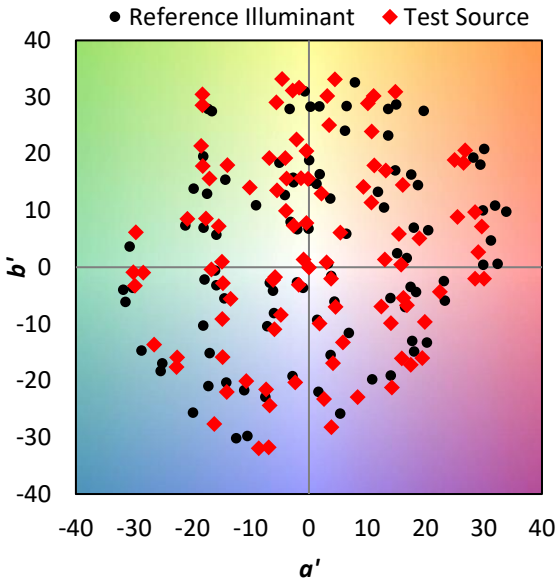
Summary

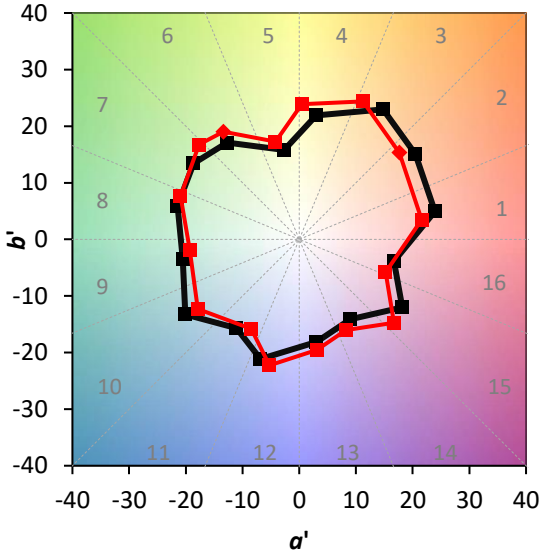
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

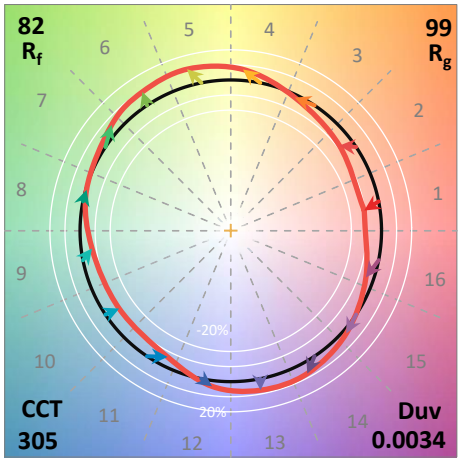
Spectral Power Distribution Comparison

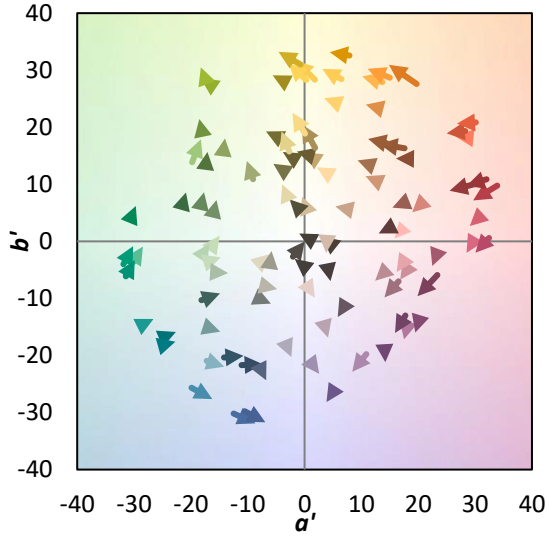


Color Vector Graphics









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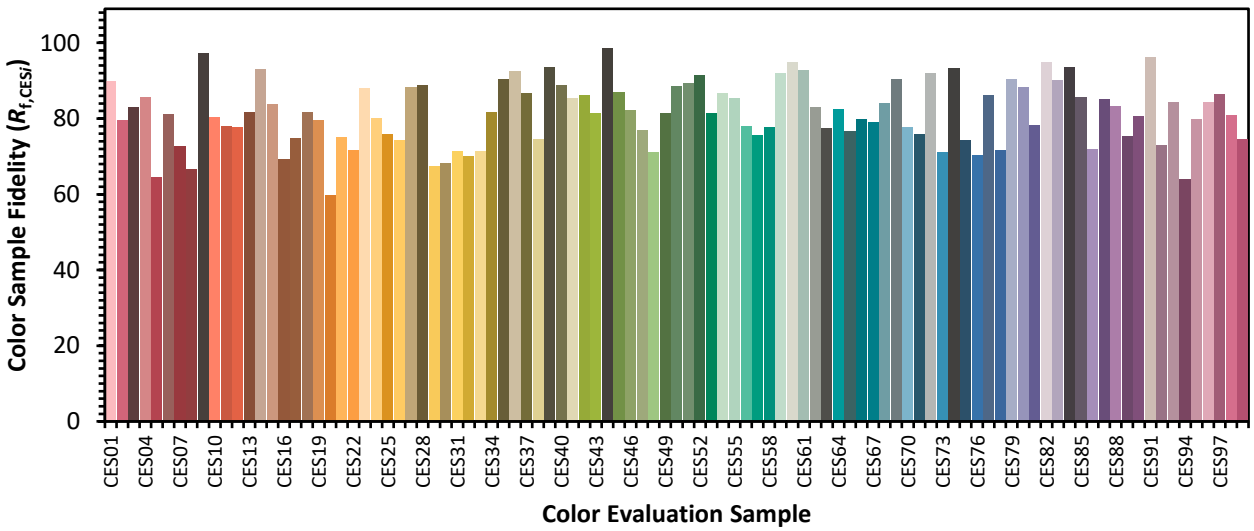
Individual Sample Fidelity Index ($R_{f,i}$)

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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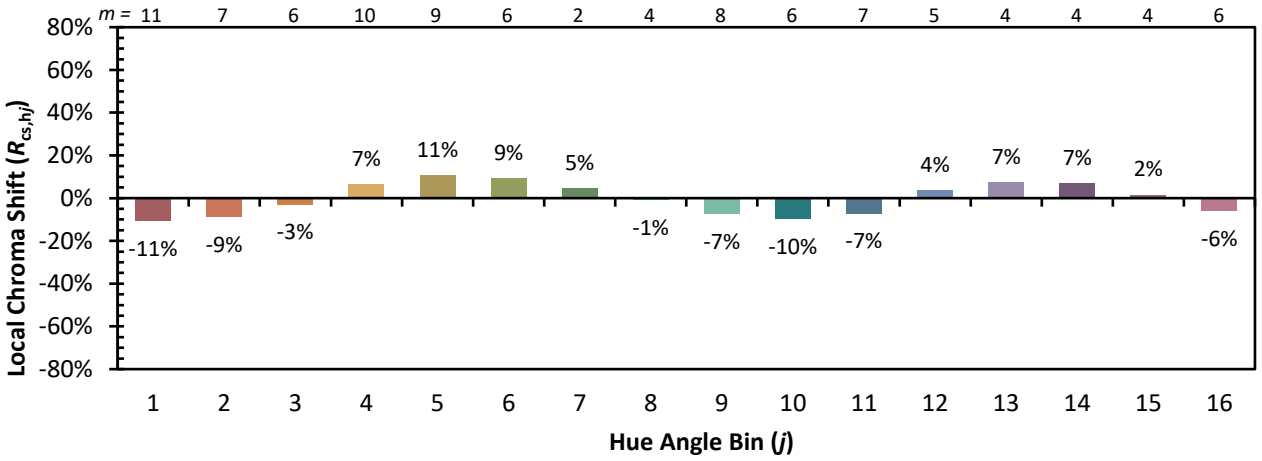
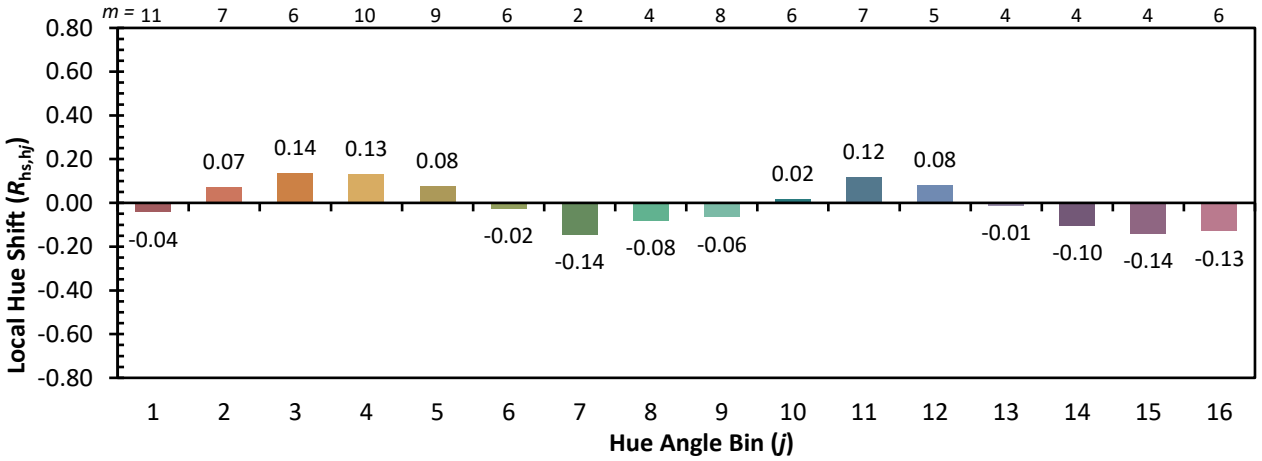
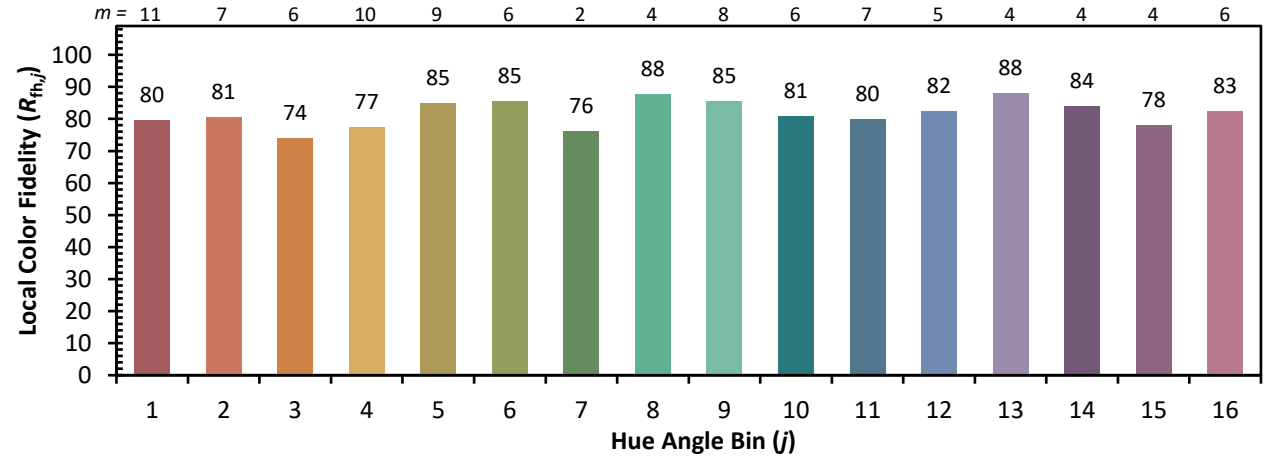
Color Rendition by Hue-Angle Bin







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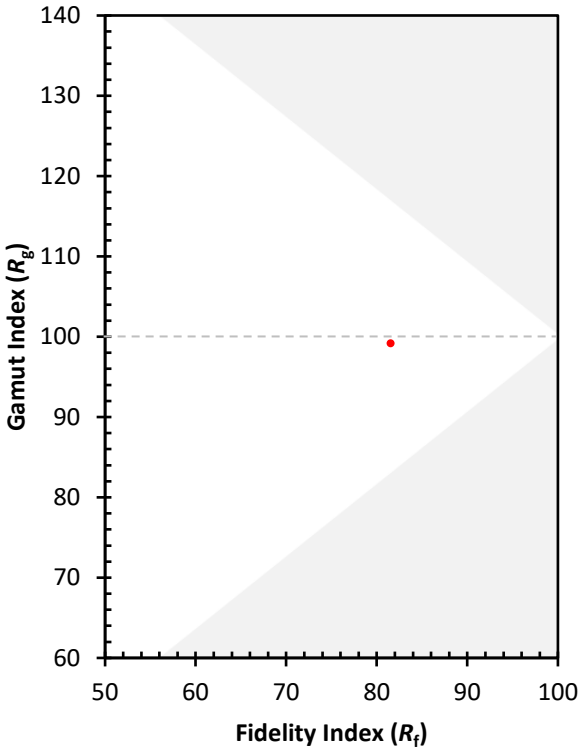
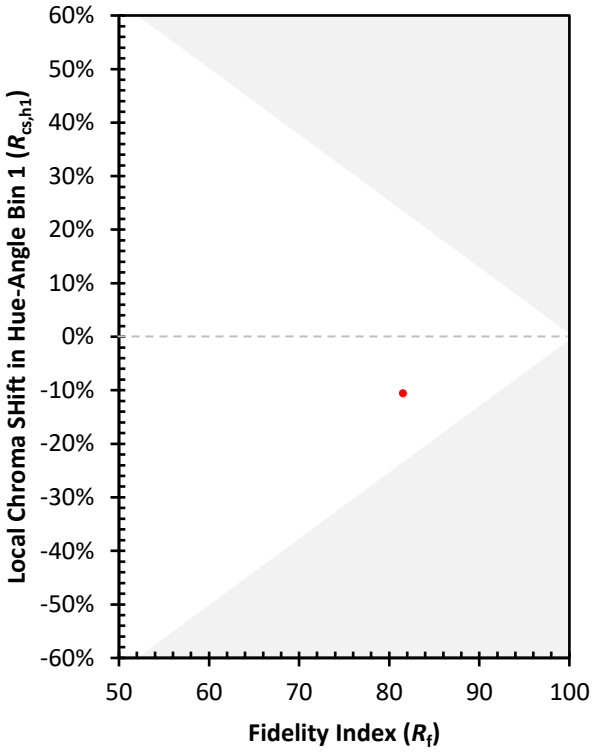
Measure Comparisons





(END OF REPORT)