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: P386731

Luminaire Tested: **GPC-SA2B-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:	P386731
	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-SA2B-830-U-T2
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9300 lumens
Efficiency:	N/A
Efficacy:	109.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	85
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: P386731
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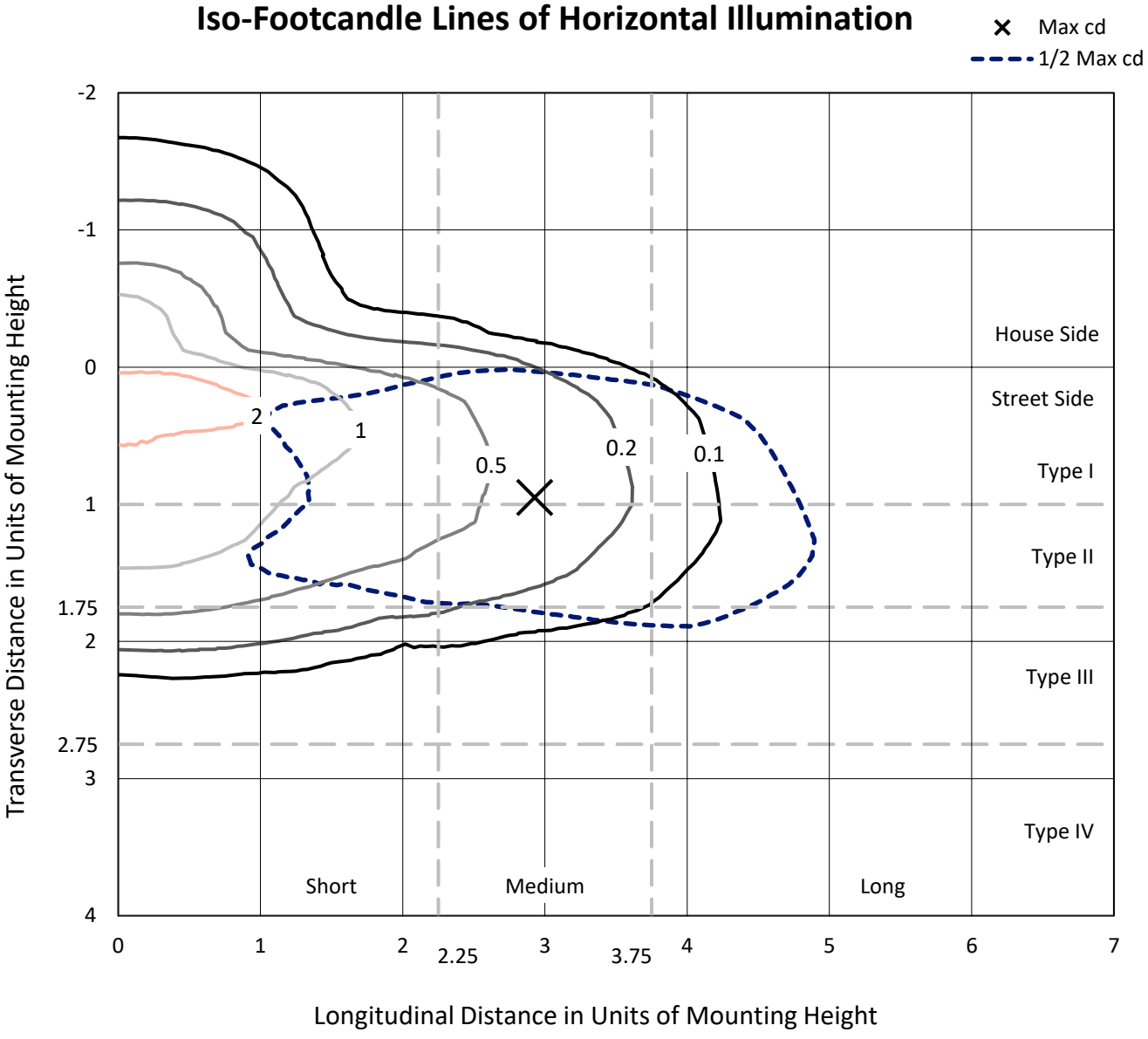
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type III - Medium - N/A

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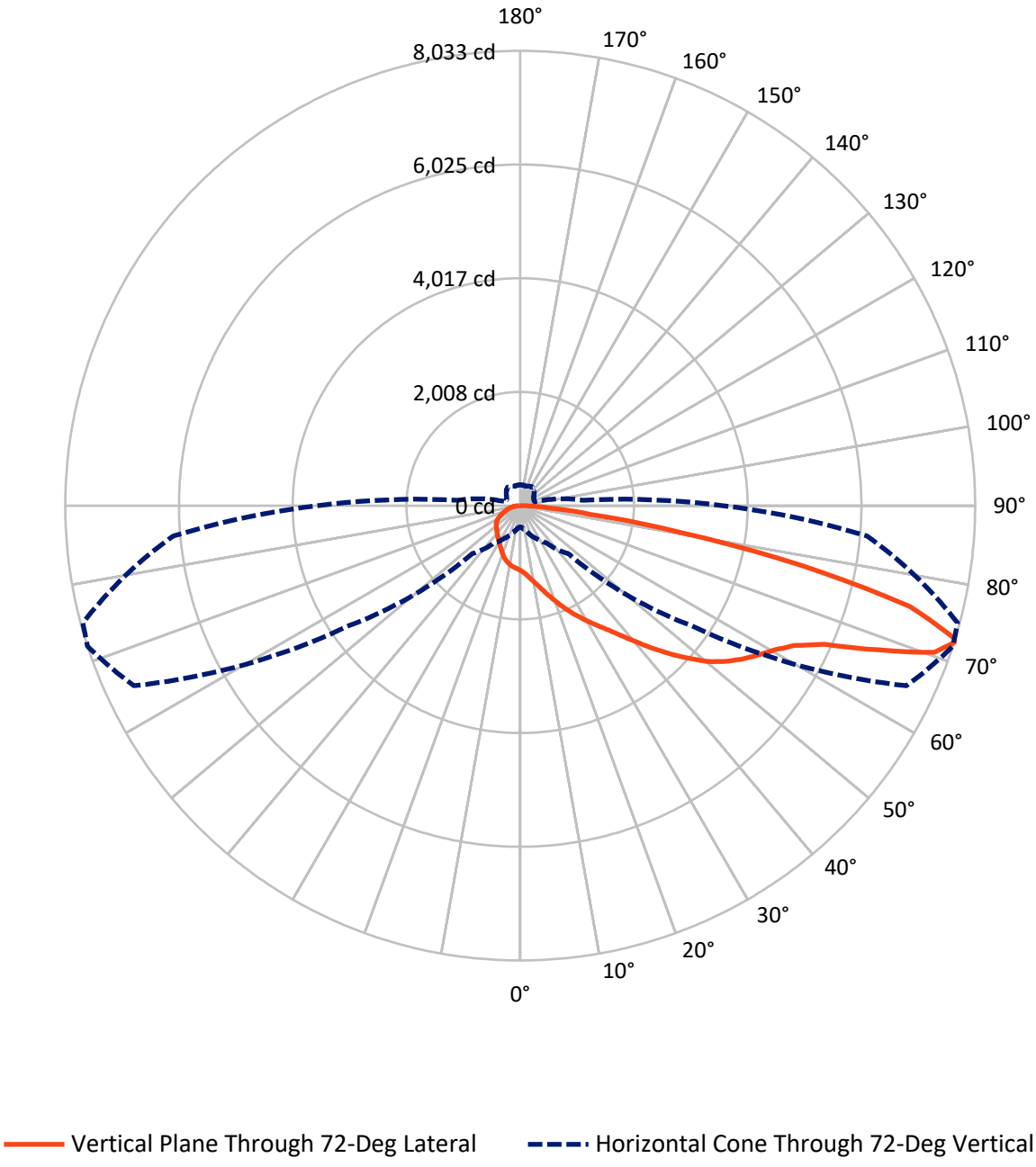
Luminous Intensity Polar Plot



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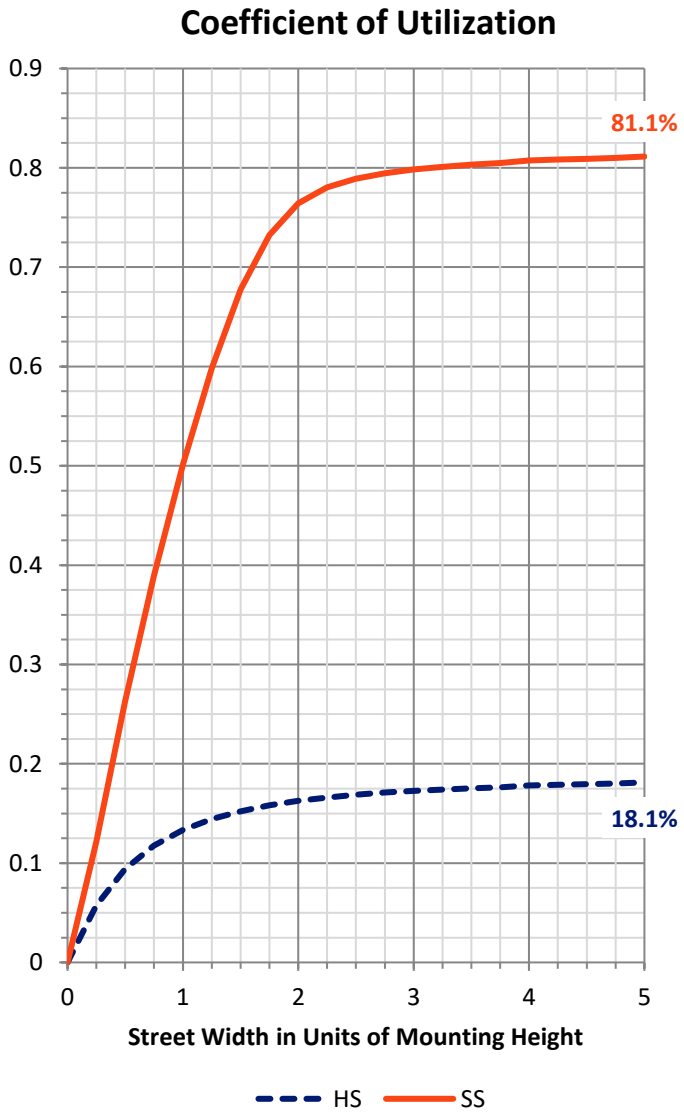
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1725.2	0.0	1725.2
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	7574.8	0.0	7574.8
	% Fixture	81.4	0.0	81.4
Total	Lumens	9300.0	0.0	9300.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.6	1.2
10°-20°	370.5	4.0
20°-30°	649.2	7.0
30°-40°	962.6	10.4
40°-50°	1407.8	15.1
50°-60°	1937.2	20.8
60°-70°	2156.6	23.2
70°-80°	1461.3	15.7
80°-90°	240.2	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°	9300.0	100.0
0°-180°	9300.0	100.0



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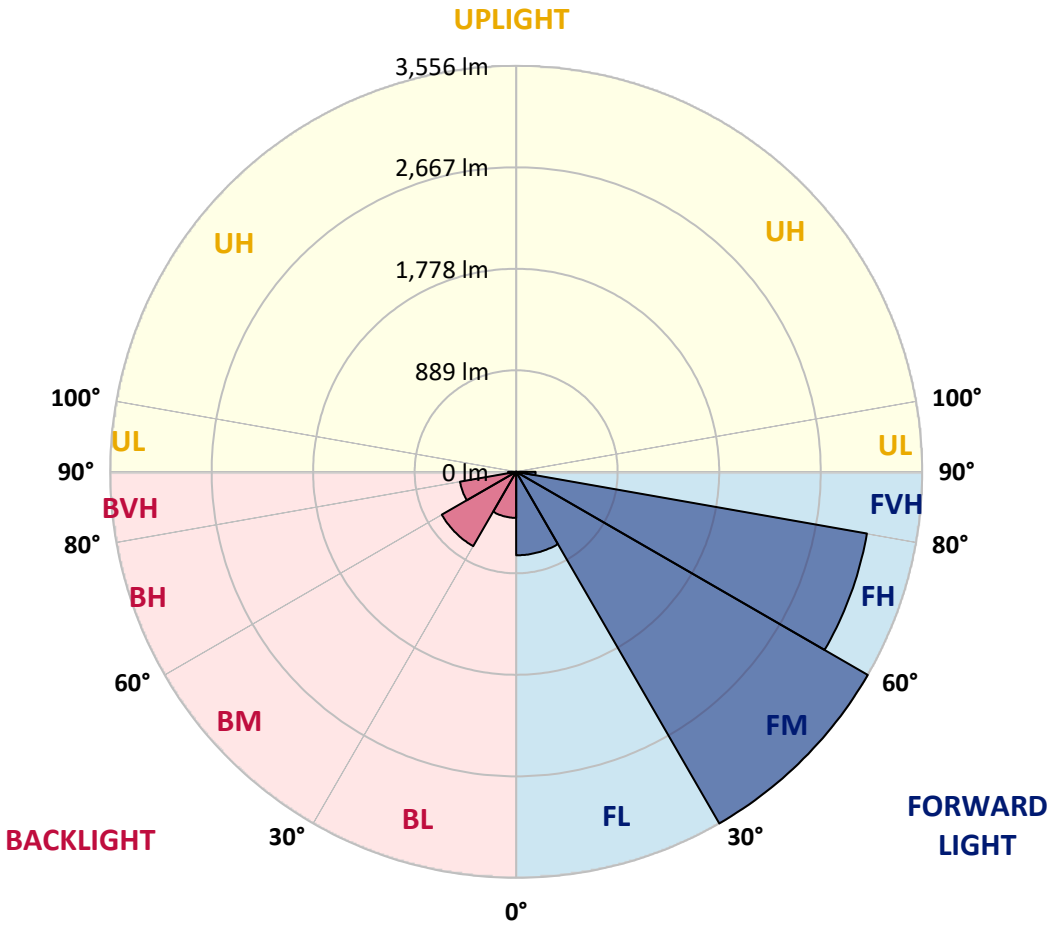
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	731.0	7.9			
FM	(30°-60°)	3555.5	38.2			
FH	(60°-80°)	3118.8	33.5			G2/5000
FVH	(80°-90°)	169.4	1.8			G2/225
BL	(0°-30°)	403.3	4.3	B1/500		
BM	(30°-60°)	752.0	8.1	B1/1000		
BH	(60°-80°)	499.1	5.4	B1/500		G1/500
BVH	(80°-90°)	70.8	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1
2.5°	1263.9	1262.0	1255.3	1255.3	1242.4	1231.6	1211.1	1197.3	1181.0	1175.2	1156.0
5°	1386.2	1386.9	1378.5	1372.8	1353.9	1330.8	1295.9	1264.2	1232.5	1219.7	1180.3
7.5°	1489.0	1487.7	1485.5	1480.7	1463.1	1439.4	1392.3	1345.2	1298.5	1279.3	1211.4
10°	1555.0	1557.9	1559.8	1562.0	1554.7	1537.7	1493.2	1435.9	1374.7	1348.4	1248.5
12.5°	1588.3	1593.4	1602.4	1617.7	1629.9	1628.0	1595.7	1534.8	1462.1	1429.1	1295.0
15°	1607.8	1614.5	1628.6	1656.2	1690.4	1710.0	1701.3	1646.2	1565.2	1524.6	1351.6
17.5°	1620.0	1625.4	1647.2	1684.0	1734.9	1786.8	1809.6	1763.4	1681.8	1635.4	1416.6
20°	1628.3	1632.5	1659.7	1702.9	1768.9	1851.5	1914.9	1903.4	1810.2	1750.0	1484.5
22.5°	1646.9	1650.4	1676.3	1719.9	1792.9	1899.5	2016.4	2033.7	1945.7	1877.4	1557.2
25°	1698.8	1698.8	1720.5	1751.0	1819.5	1941.2	2102.2	2178.8	2084.0	2004.6	1624.5
27.5°	1797.7	1796.7	1804.8	1815.3	1867.2	1983.4	2178.8	2306.9	2227.4	2140.7	1689.8
30°	1914.9	1921.3	1922.3	1917.2	1941.5	2036.3	2249.5	2442.0	2371.9	2278.4	1756.7
32.5°	2065.7	2069.9	2065.1	2048.1	2044.6	2111.2	2319.0	2583.5	2528.1	2422.1	1817.9
35°	2257.2	2249.2	2234.2	2199.6	2166.6	2211.4	2398.4	2725.1	2703.6	2596.0	1902.1
37.5°	2462.5	2462.8	2444.2	2365.8	2320.3	2339.5	2508.0	2885.5	2915.9	2802.9	2010.0
40°	2627.1	2635.7	2647.3	2544.1	2485.2	2511.8	2647.3	3071.5	3167.0	3048.2	2150.6
42.5°	2742.0	2752.0	2784.6	2719.9	2658.8	2708.1	2811.2	3270.1	3448.8	3331.2	2315.2
45°	2863.7	2869.2	2892.2	2864.4	2825.3	2936.4	2996.0	3475.7	3746.9	3632.9	2499.3
47.5°	2991.8	2997.6	3021.3	3002.7	2982.2	3149.7	3188.7	3669.4	4032.5	3964.3	2695.9
50°	3150.0	3153.8	3176.3	3142.6	3149.0	3310.4	3361.0	3847.1	4331.9	4262.1	2893.2
52.5°	3365.8	3366.8	3397.8	3367.4	3337.3	3428.3	3509.3	4014.6	4566.6	4533.7	3090.4
55°	3534.9	3545.1	3647.0	3640.6	3623.3	3535.2	3633.2	4174.1	4776.1	4791.8	3299.9
57.5°	3427.0	3467.0	3673.2	3818.6	3960.1	3801.3	3800.7	4353.7	4970.8	5045.1	3530.1
60°	3001.4	3055.9	3359.7	3682.2	4125.1	4264.4	4148.4	4573.0	5167.4	5296.1	3818.6
62.5°	2143.5	2233.2	2645.0	3159.9	3899.0	4571.1	4856.1	4921.1	5434.8	5586.9	4193.6
65°	1083.6	1151.5	1496.7	2117.0	3115.1	4370.7	5625.3	5683.2	5899.4	6034.5	4770.9
67.5°	658.4	684.0	852.4	1177.4	1909.8	3404.6	5876.3	6953.6	6798.6	6870.3	5594.2
70°	485.1	504.0	609.1	782.0	1098.4	1997.8	5105.9	7860.1	7758.3	7750.3	6202.6
72°	377.9	391.6	484.5	631.8	803.1	1198.6	3700.8	7525.5	8033.0	7992.7	6146.9
72.5°	358.3	370.5	455.0	594.6	758.9	1086.5	3327.4	7299.7	8013.2	7994.9	6074.9
75°	282.1	290.8	336.9	459.8	594.0	616.4	1823.3	5657.0	7108.5	7404.1	5463.9
77.5°	233.4	234.7	259.1	334.6	463.0	435.8	895.7	3924.9	5090.2	5415.2	3870.5
80°	190.2	191.8	203.3	234.7	350.3	322.5	425.3	2256.9	2849.9	2853.5	1840.6
82.5°	151.5	151.8	164.6	171.6	251.7	230.6	243.7	1059.6	1245.3	1197.9	661.6
85°	106.6	104.4	160.7	140.9	164.6	147.9	134.5	419.5	514.9	492.5	207.2
87.5°	35.5	36.8	71.4	91.3	96.1	83.9	59.9	160.7	194.4	192.8	65.6
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: P386731
CATALOG NUMBER: GPC-SA2B-830-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1
2.5°	1149.9	1139.7	1124.6	1108.0	1094.8	1081.4	1071.5	1066.3	1060.6	1055.8	1061.5
5°	1162.1	1142.9	1110.8	1079.5	1056.4	1035.9	1021.2	1013.5	1006.4	1001.6	1002.3
7.5°	1181.9	1150.9	1097.1	1051.3	1019.3	997.2	982.1	977.0	972.5	971.2	972.8
10°	1203.1	1157.3	1078.8	1018.0	981.5	963.2	956.5	960.0	963.2	966.1	969.3
12.5°	1227.1	1163.0	1052.2	978.9	947.8	940.8	947.5	962.9	974.1	980.8	985.0
15°	1258.5	1168.2	1021.5	939.8	919.0	927.0	949.8	976.3	995.9	1008.4	1010.3
17.5°	1287.3	1167.8	982.1	900.5	895.7	919.0	953.3	990.8	1017.0	1034.6	1038.2
20°	1317.1	1159.2	936.3	862.0	872.0	910.4	954.9	1000.0	1031.7	1052.2	1057.0
22.5°	1344.9	1144.1	886.0	827.1	852.1	898.9	948.8	994.6	1026.3	1043.0	1048.1
25°	1363.8	1117.9	835.1	797.7	834.5	884.8	929.0	965.8	989.5	997.8	999.1
27.5°	1373.4	1083.6	787.1	772.0	816.2	861.7	892.1	910.4	917.1	916.5	915.2
30°	1374.7	1038.5	745.8	751.2	795.1	827.8	842.2	838.7	830.0	815.3	816.6
32.5°	1370.5	987.6	711.2	731.4	768.2	786.5	787.1	770.1	747.1	723.7	717.3
35°	1371.8	937.6	680.8	709.0	735.5	743.5	736.2	711.2	679.8	649.7	643.3
37.5°	1385.9	894.1	654.5	683.0	699.4	701.3	690.7	664.5	641.4	611.9	609.4
40°	1419.5	863.0	629.6	653.9	663.2	664.1	649.1	630.5	632.4	616.7	616.4
42.5°	1480.1	849.5	607.5	623.5	629.2	631.2	619.6	607.8	624.4	614.2	610.7
45°	1558.2	852.7	588.9	593.7	604.3	613.2	606.2	591.8	598.2	553.7	538.9
47.5°	1648.5	873.2	574.2	568.1	586.3	603.3	592.4	570.6	547.9	503.7	495.4
50°	1754.2	904.9	560.7	542.8	566.8	589.8	579.0	547.9	513.6	492.2	489.3
52.5°	1864.3	943.7	547.3	514.9	542.1	579.6	574.2	542.8	500.5	479.4	475.5
55°	1989.2	982.8	530.3	482.6	515.6	574.8	571.9	524.2	490.6	478.7	475.8
57.5°	2144.5	1027.3	507.9	448.9	490.6	557.5	548.5	513.0	480.3	471.4	470.4
60°	2346.9	1092.9	475.5	413.1	460.2	530.9	529.0	496.7	464.0	457.6	456.3
62.5°	2650.5	1201.5	431.0	377.2	426.2	485.8	503.4	474.6	446.7	446.4	447.0
65°	3121.2	1364.8	382.7	345.8	391.9	447.7	473.6	451.8	429.1	435.5	436.5
67.5°	3666.8	1500.2	335.3	315.1	357.0	411.5	446.7	429.1	405.7	422.4	422.7
70°	3848.4	1379.2	293.6	284.7	320.9	376.6	417.6	404.1	380.4	397.1	395.5
72°	*3581.3*	*1113.4*	*266.7*	*261.6*	*293.6*	*347.8*	*391.6*	*380.7*	*357.4*	*368.6*	*364.4*
72.5°	3497.1	1061.5	260.0	255.9	286.3	340.4	384.9	375.0	351.6	361.2	357.4
75°	3119.6	921.9	223.5	224.5	249.8	304.5	347.1	343.9	319.9	320.9	319.6
77.5°	2262.7	676.0	188.3	194.7	212.6	267.7	309.0	307.1	280.8	276.0	275.1
80°	1050.0	344.9	153.4	156.3	174.8	223.8	263.5	261.0	239.8	233.8	230.2
82.5°	359.6	164.0	115.3	117.2	135.5	180.3	228.6	227.0	209.4	197.6	190.2
85°	128.4	81.7	80.7	78.8	96.7	141.9	199.2	190.5	164.6	140.3	139.6
87.5°	41.6	34.9	41.6	41.3	56.4	96.1	144.7	123.3	119.4	99.3	97.3
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

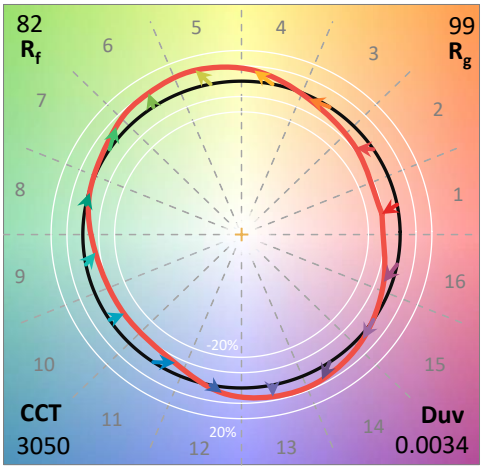
Test Information

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

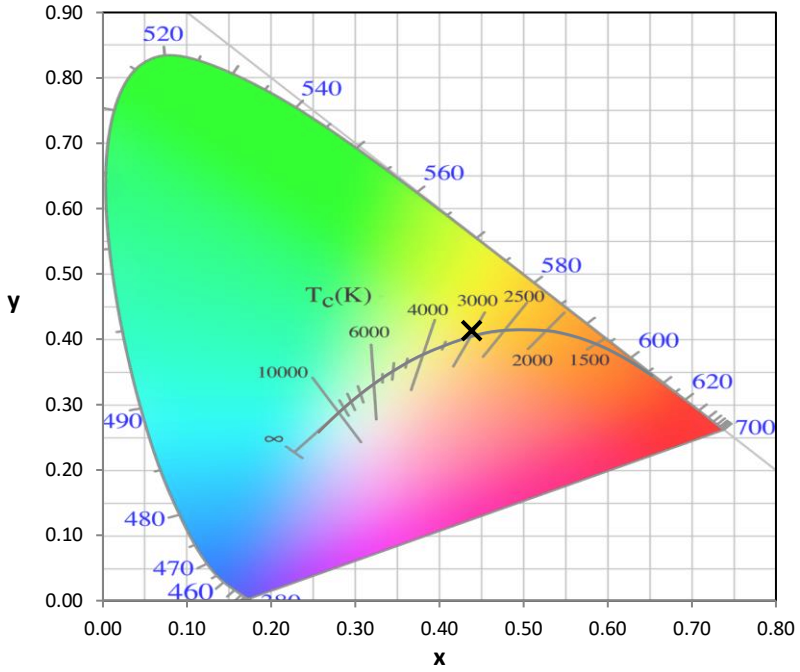
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

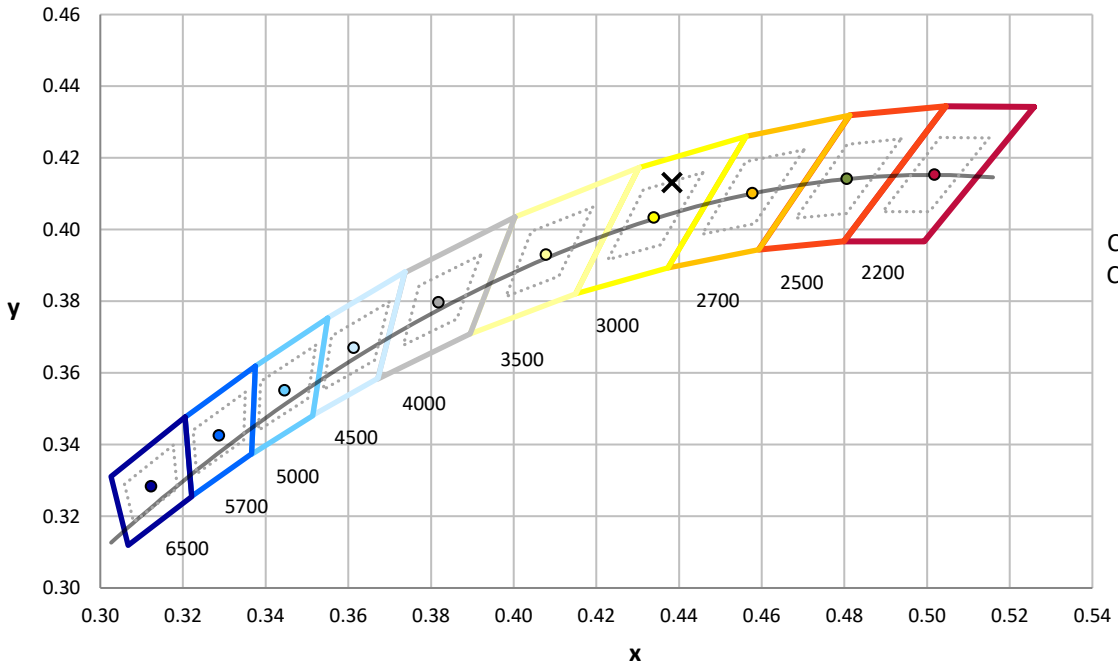
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

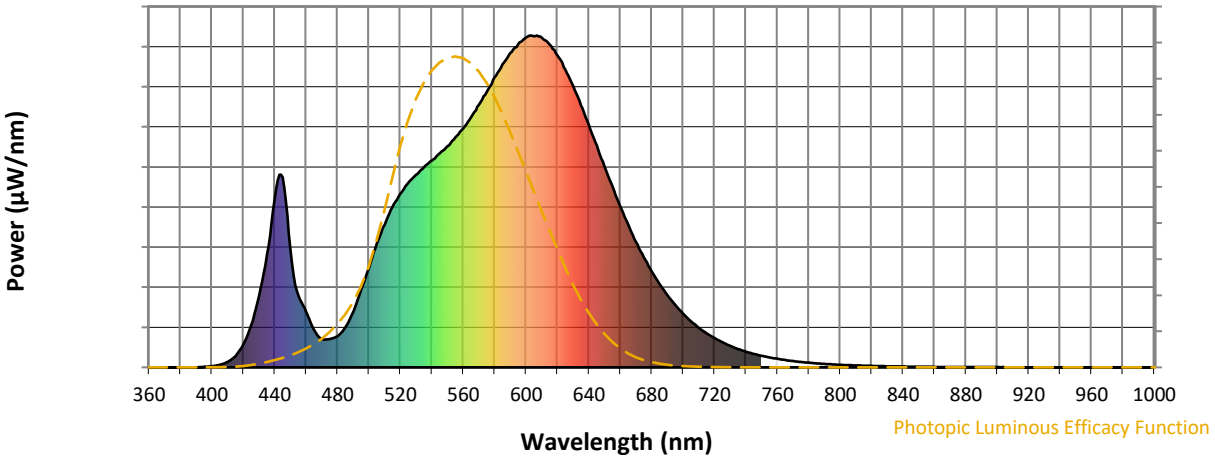


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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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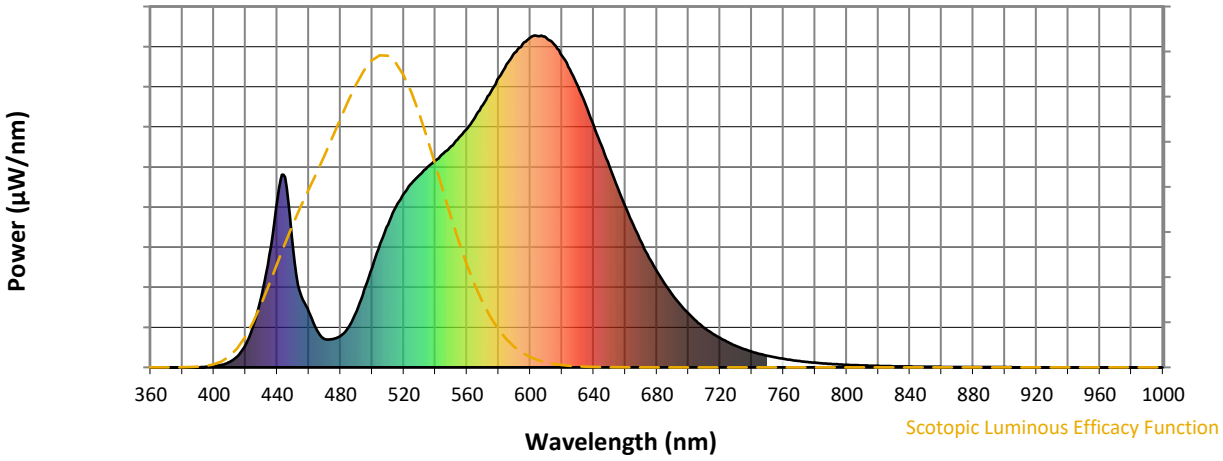
Scotopic Flux vs. Wavelength



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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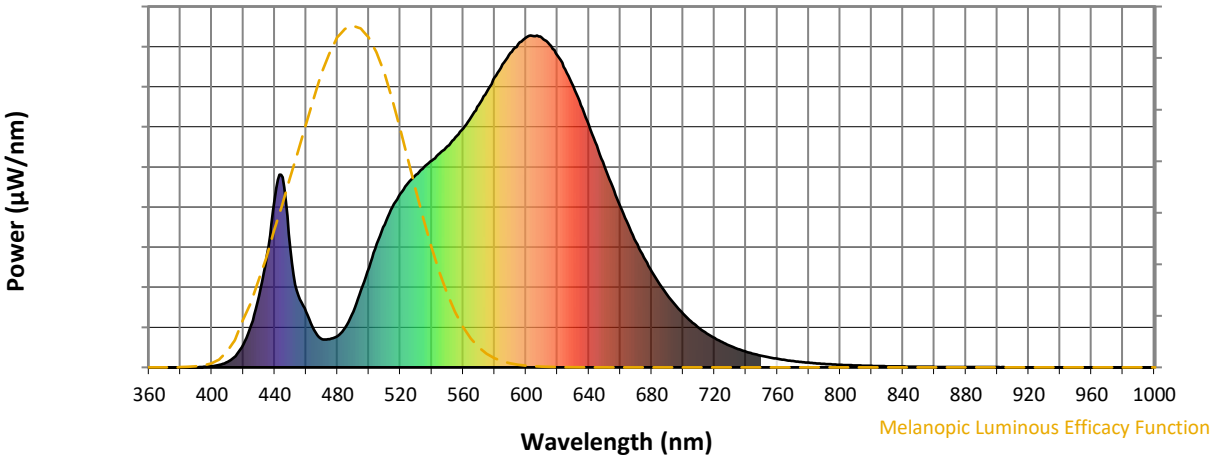
Melanopic Flux vs. Wavelength



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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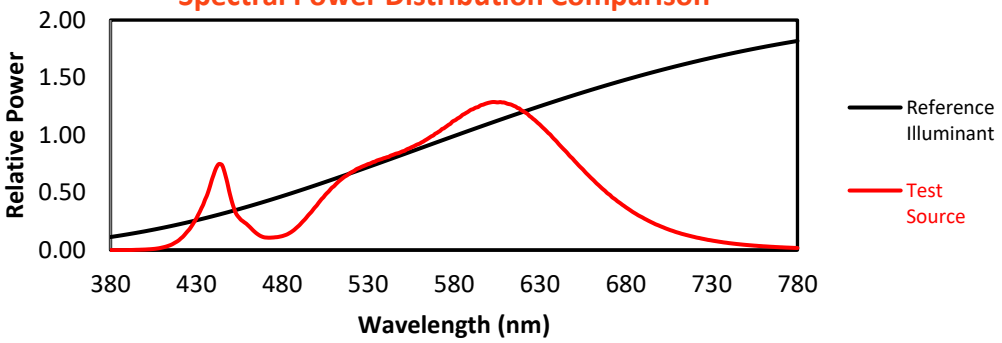
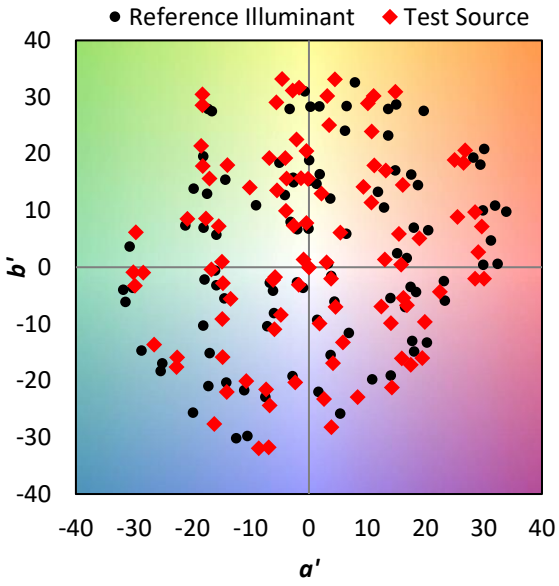
Summary

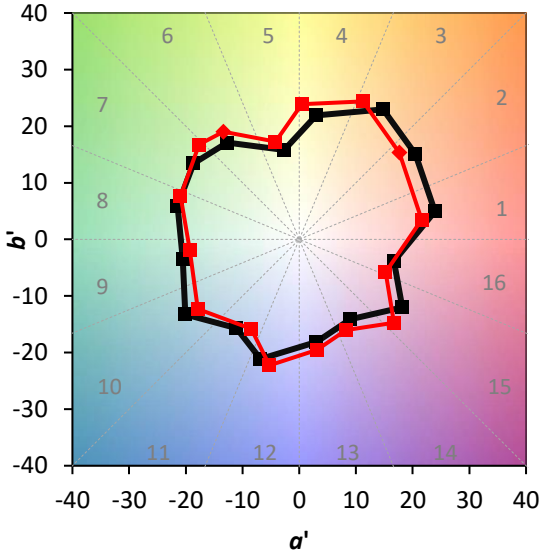
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

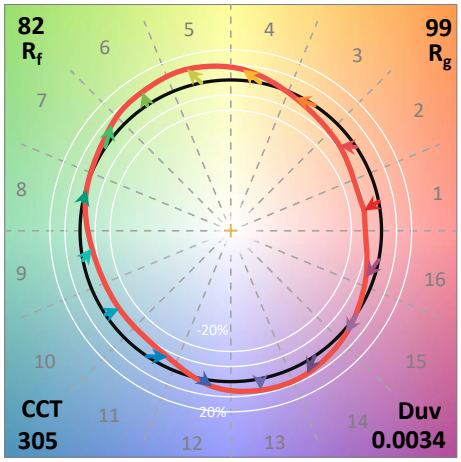
Spectral Power Distribution Comparison

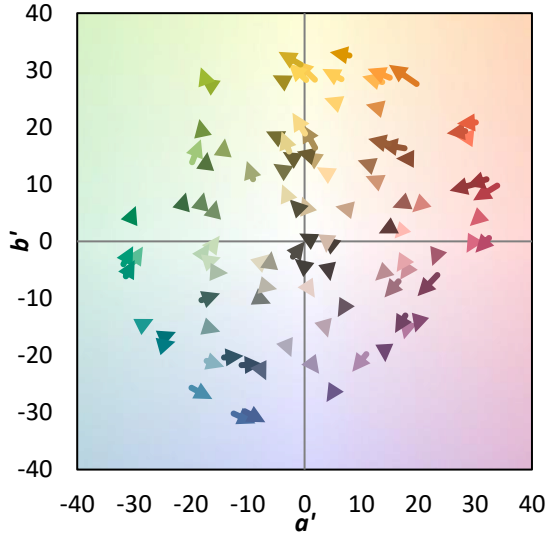


Color Vector Graphics









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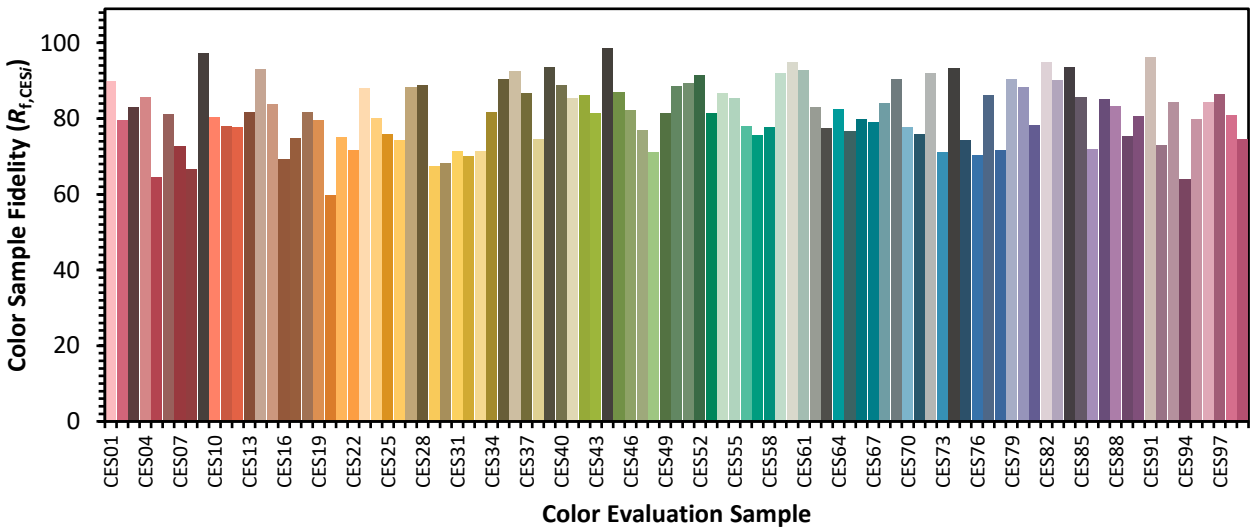
Individual Sample Fidelity Index ($R_{f,i}$)

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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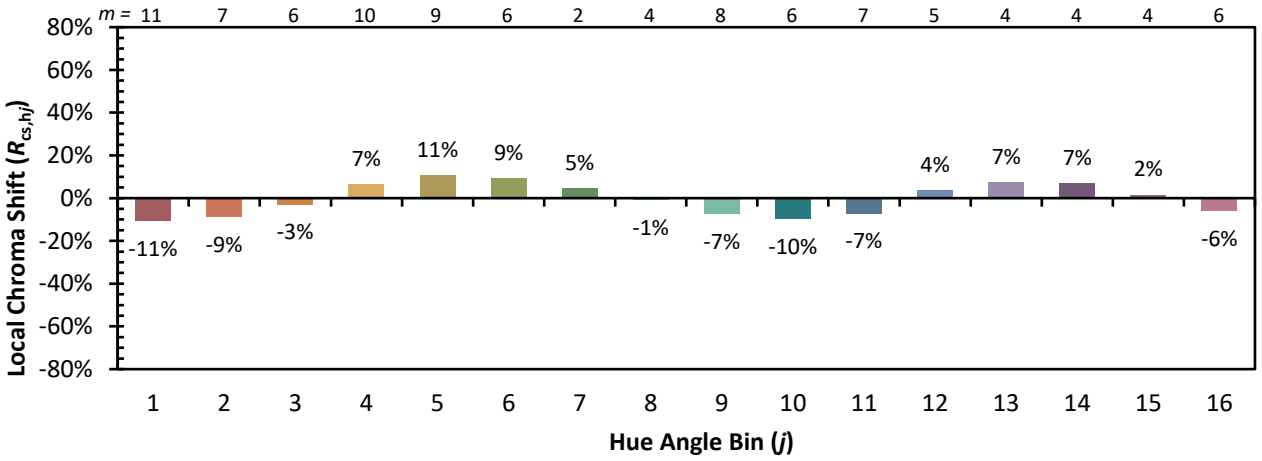
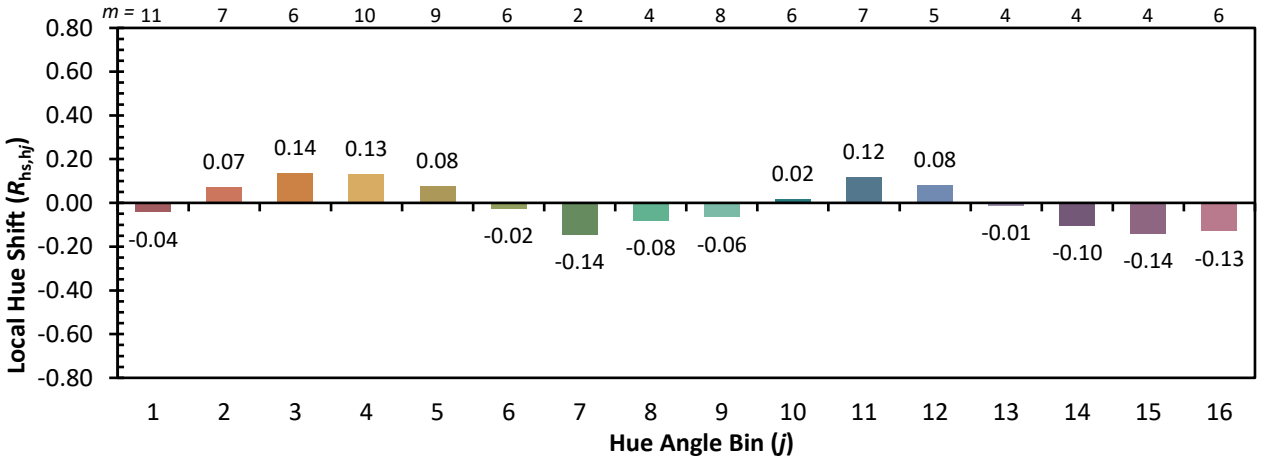
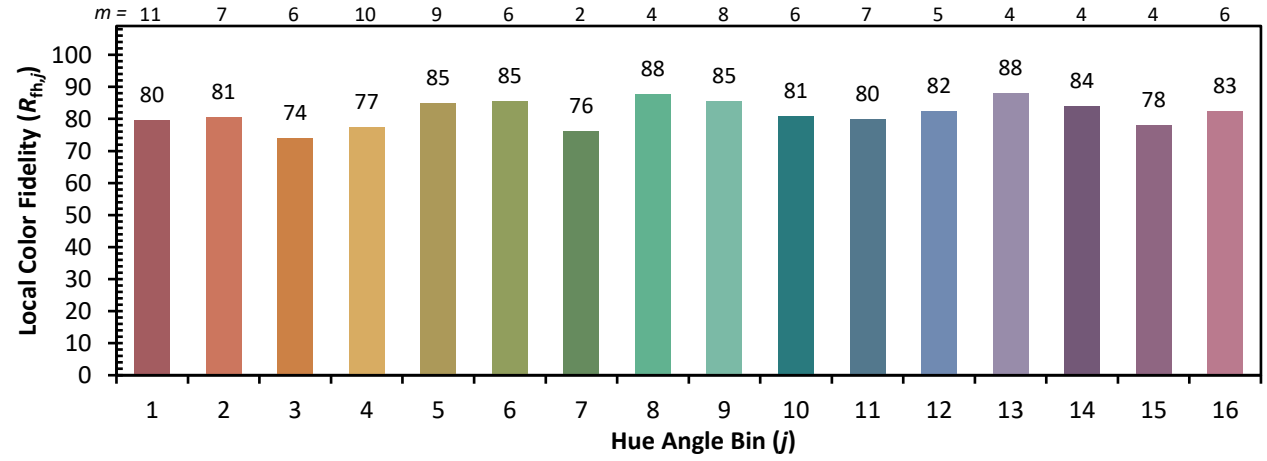
Color Rendition by Hue-Angle Bin







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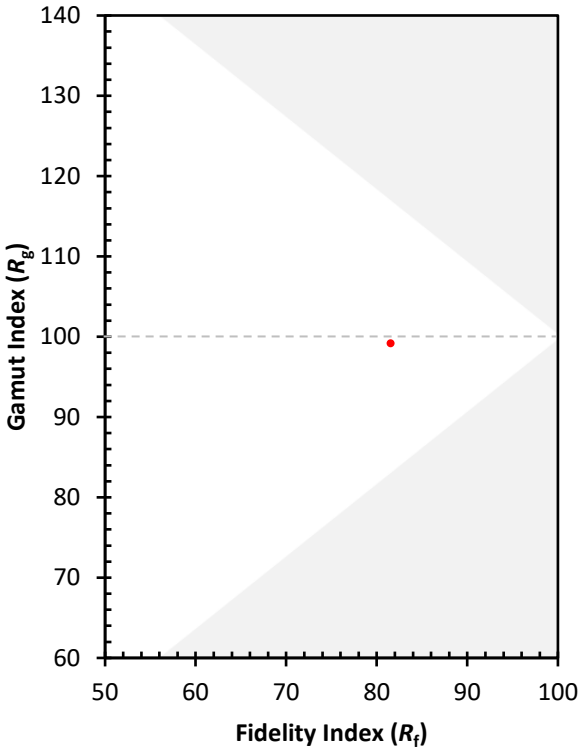
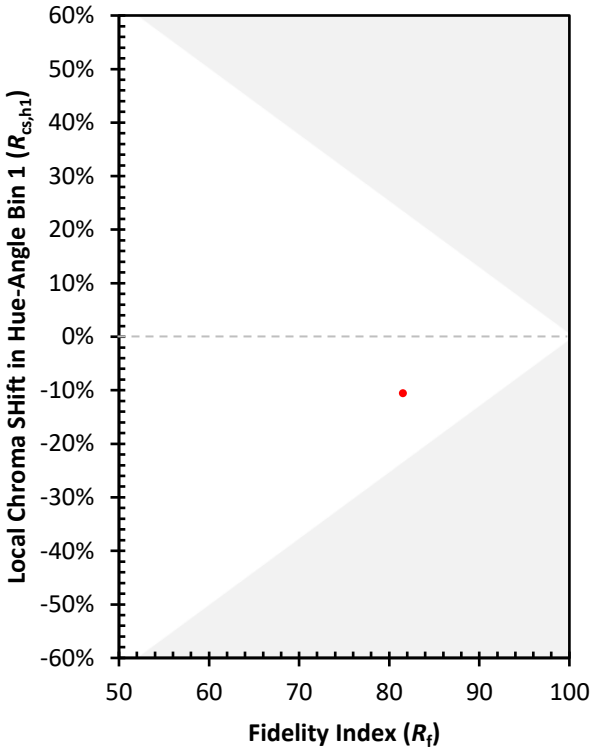
Measure Comparisons





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