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: P386063

Luminaire Tested: **GPC-SA1C-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:	P386063
	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-SA1C-830-U-T3
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6004 lumens
Efficiency:	N/A
Efficacy:	103.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
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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REPORT NUMBER: P386063
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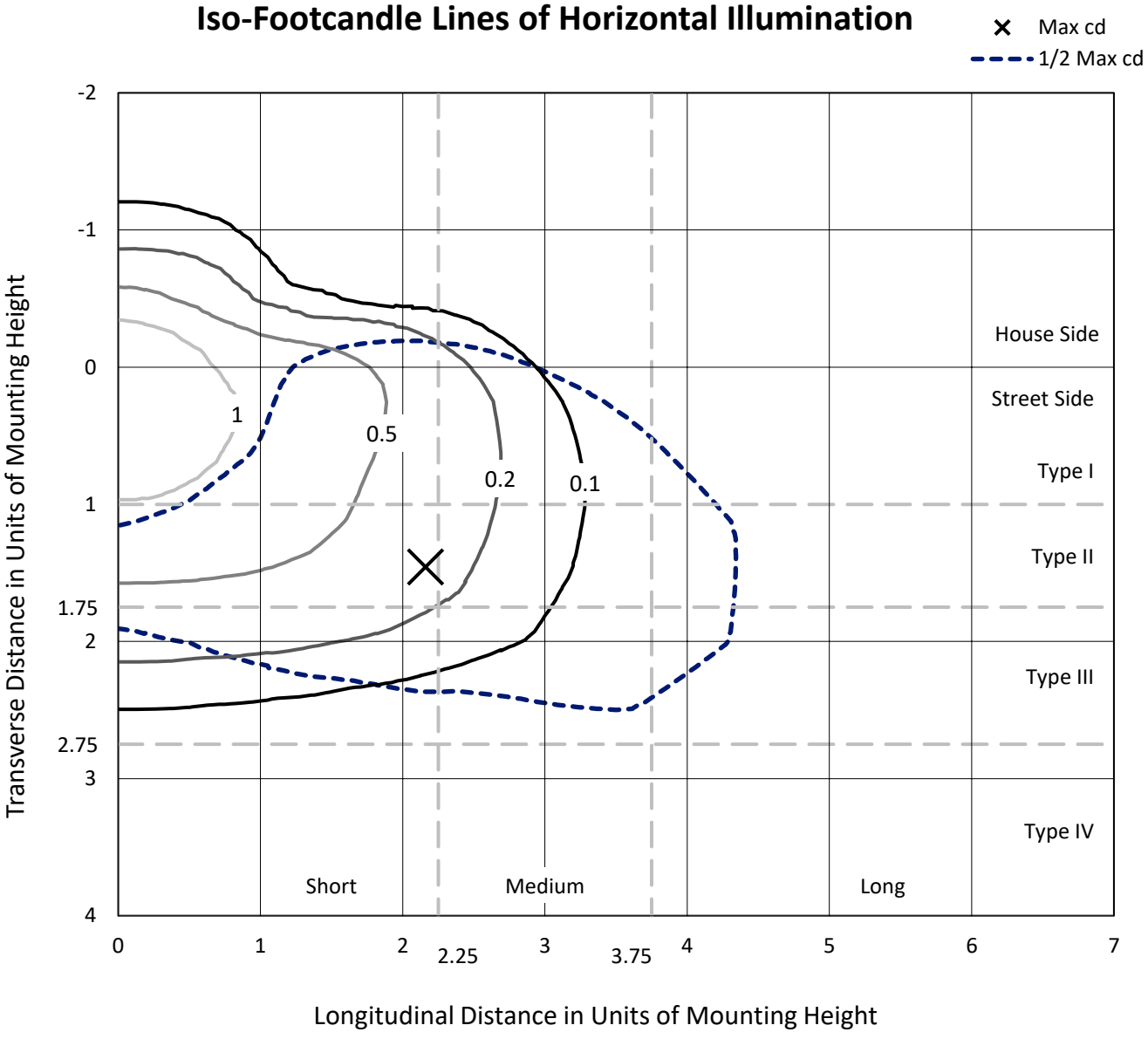
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type III - Short - N/A

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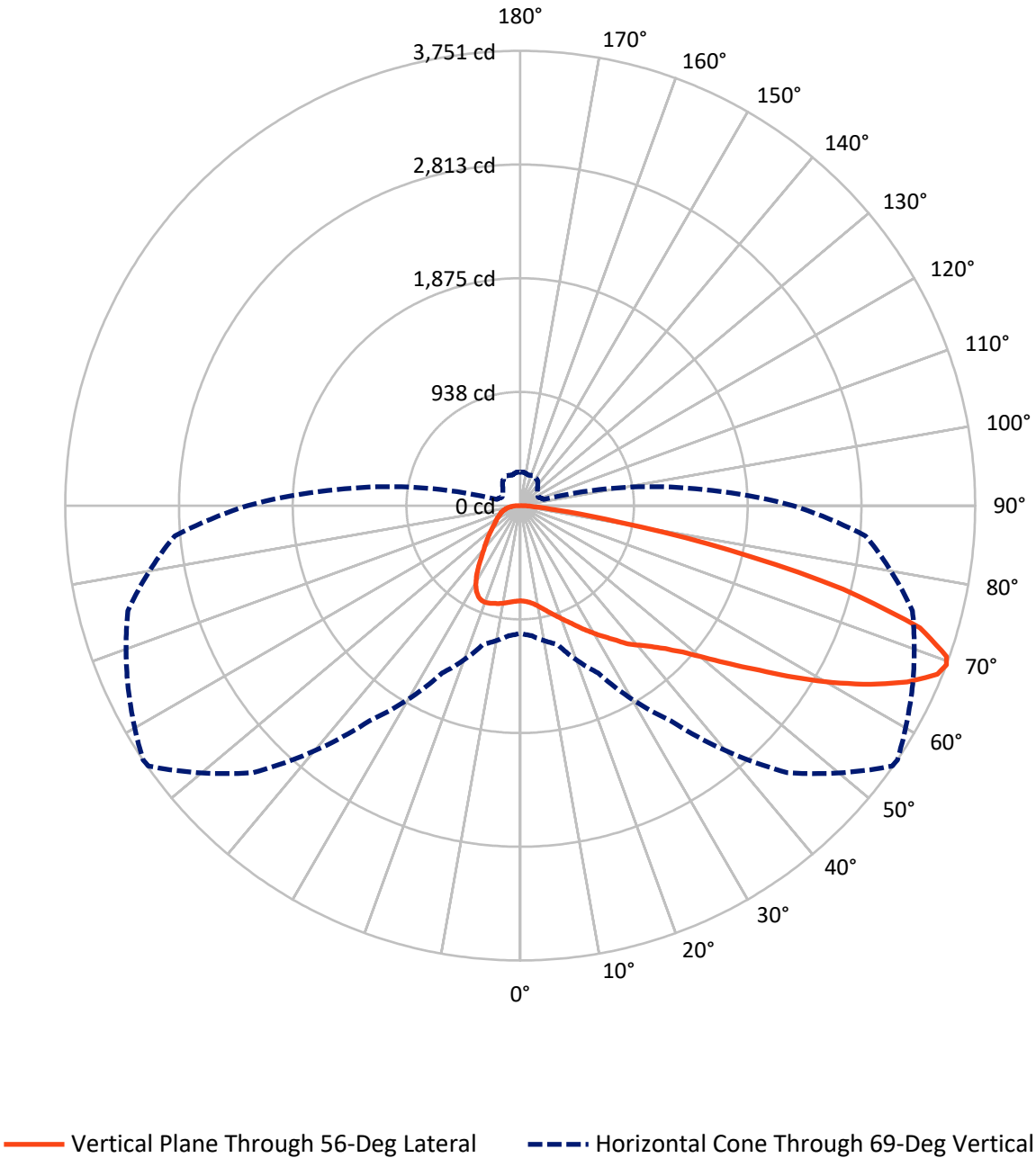
Luminous Intensity Polar Plot



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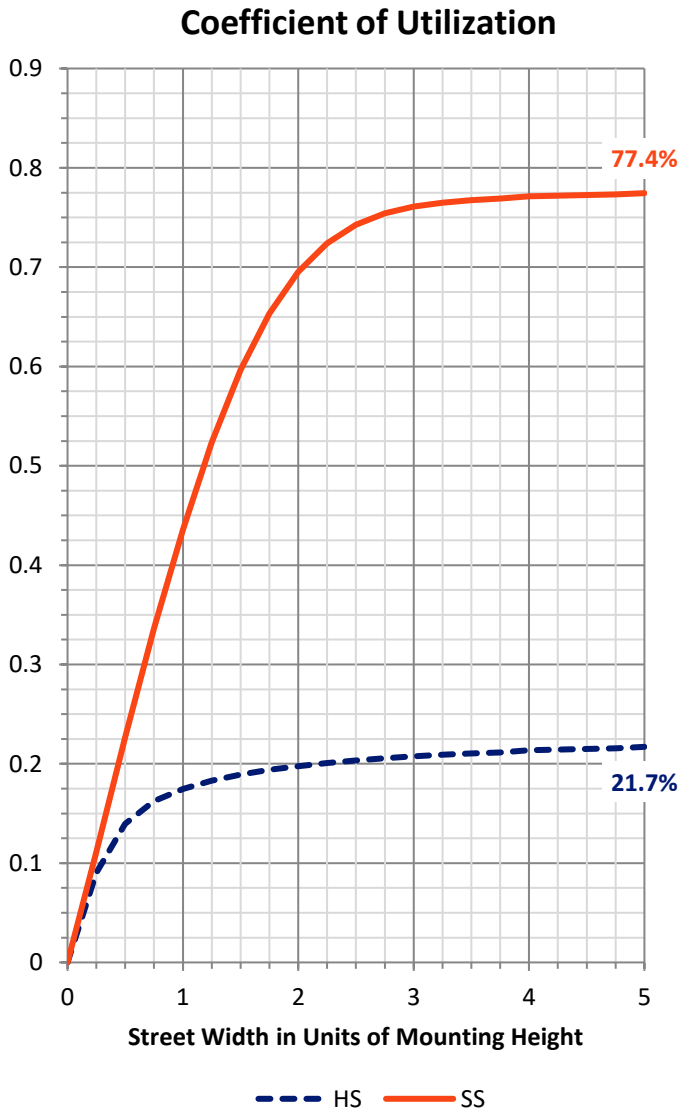
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1337.1	0.0	1337.1
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	4666.9	0.0	4666.9
	% Fixture	77.7	0.0	77.7
Total	Lumens	6004.0	0.0	6004.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	1.3
10°-20°	247.9	4.1
20°-30°	432.7	7.2
30°-40°	621.6	10.4
40°-50°	860.3	14.3
50°-60°	1260.4	21.0
60°-70°	1536.7	25.6
70°-80°	849.6	14.2
80°-90°	117.7	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°	6004.0	100.0
0°-180°	6004.0	100.0



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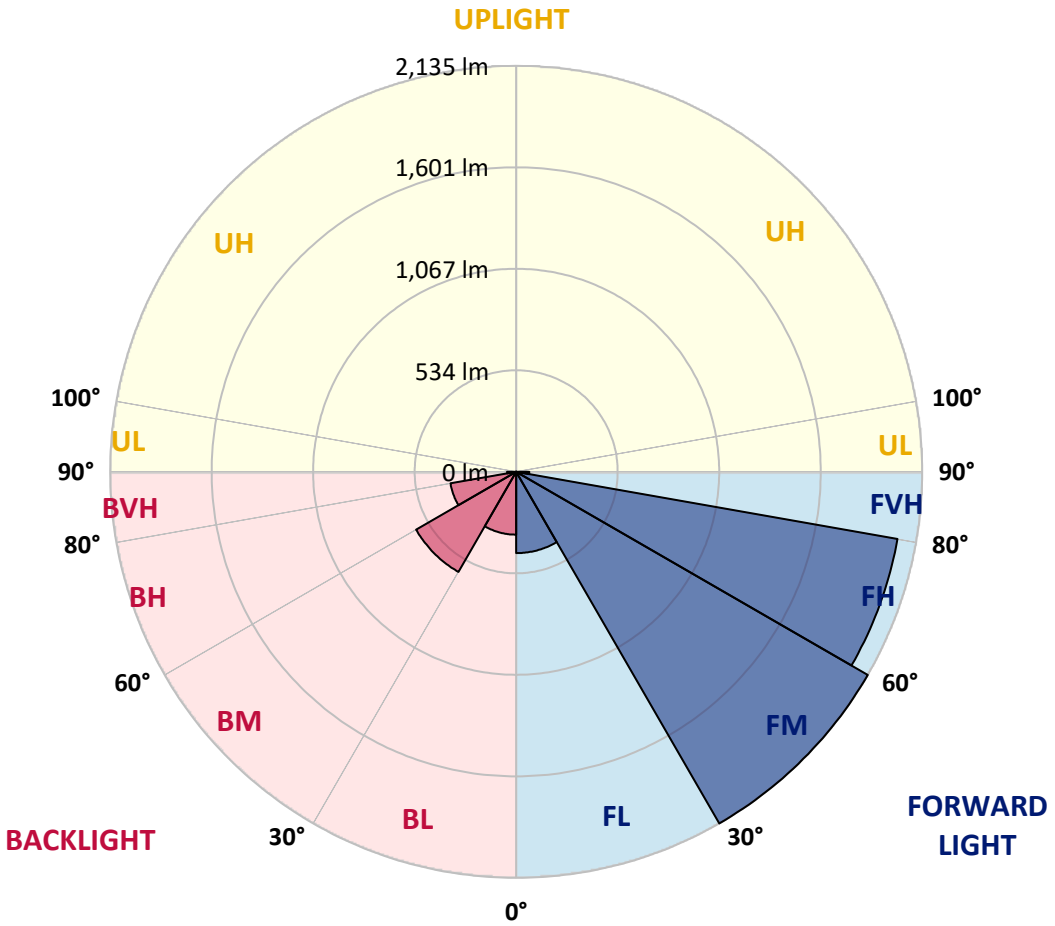
CATALOG NUMBER: GPC-SA1C-830-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	427.3	7.1			
FM	(30°-60°)	2134.6	35.6			
FH	(60°-80°)	2035.7	33.9			G2/5000
FVH	(80°-90°)	69.3	1.2			G1/100
BL	(0°-30°)	330.4	5.5	B1/500		
BM	(30°-60°)	607.7	10.1	B1/1000		
BH	(60°-80°)	350.6	5.8	B1/500		G1/500
BVH	(80°-90°)	48.4	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 Short



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CATALOG NUMBER: GPC-SA1C-830-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	*784.9*	784.9	784.9	784.9
2.5°	789.9	790.7	790.1	791.8	789.9	791.1	790.1	*790.1*	789.5	787.6	785.6
5°	802.3	804.0	802.9	804.6	802.3	802.7	800.9	*800.9*	799.0	795.1	790.9
7.5°	821.7	823.6	822.8	824.4	821.3	821.3	818.9	*818.6*	814.9	808.5	803.8
10°	844.9	847.4	846.6	849.1	846.6	847.4	844.9	*844.9*	840.0	830.8	824.9
12.5°	878.6	881.7	879.5	879.2	878.2	879.9	877.8	*877.4*	872.8	860.4	852.2
15°	923.7	927.0	922.3	921.9	916.1	915.4	915.4	*914.8*	911.9	897.0	883.4
17.5°	975.6	976.7	972.5	965.9	958.5	953.7	953.1	*954.7*	954.7	937.4	915.7
20°	1026.5	1028.4	1025.1	1017.6	1008.1	1001.1	996.1	*999.4*	999.2	978.5	947.7
22.5°	1081.9	1086.3	1081.3	1071.8	1060.6	1052.8	1044.1	*1047.0*	1047.2	1021.8	979.1
25°	1153.7	1149.8	1146.7	1133.2	1117.3	1109.2	1101.2	*1104.1*	1103.2	1068.3	1011.6
27.5°	1217.2	1218.0	1213.9	1199.6	1181.2	1163.4	1163.0	*1164.9*	1161.8	1116.7	1042.2
30°	1291.1	1291.5	1285.7	1272.9	1252.8	1229.8	1224.5	*1227.6*	1220.9	1162.6	1074.5
32.5°	1364.5	1366.5	1360.1	1344.6	1328.5	1300.6	1289.8	*1291.9*	1275.3	1209.6	1107.8
35°	1428.8	1431.7	1429.6	1419.3	1401.7	1377.7	1364.9	*1363.7*	1343.2	1267.1	1151.9
37.5°	1494.4	1497.1	1494.8	1486.1	1479.1	1453.6	1446.8	*1446.8*	1411.2	1325.8	1207.9
40°	1561.8	1565.9	1563.2	1551.3	1545.3	1533.7	1517.3	*1513.4*	1474.9	1396.3	1299.3
42.5°	1624.5	1629.8	1640.6	1633.6	1621.4	1623.0	1590.1	*1588.1*	1559.9	1500.6	1414.1
45°	1713.4	1721.3	1739.5	1734.1	1731.6	1722.5	1683.4	*1681.6*	1670.8	1640.8	1556.6
47.5°	1810.4	1821.2	1854.1	1855.1	1881.8	1864.6	1811.4	*1805.0*	1807.5	1808.8	1730.6
50°	1899.8	1911.6	1965.5	1991.0	2053.9	2057.6	1972.6	*1966.8*	1976.5	2005.0	1933.3
52.5°	1971.1	1986.0	2053.4	2132.0	2239.8	2270.4	2170.9	*2166.6*	2173.8	2223.0	2162.4
55°	2023.5	2039.6	2113.0	2256.1	2428.2	2482.2	2399.3	*2395.1*	2399.7	2462.4	2411.7
57.5°	2035.7	2039.6	2146.1	2339.7	2587.3	2717.0	2678.7	*2670.4*	2648.1	2702.7	2686.8
60°	1978.4	1994.1	2118.8	2369.1	2710.3	2948.4	2970.7	*2960.4*	2897.7	2942.4	2929.6
62.5°	1862.1	1890.3	2016.8	2324.4	2758.5	3137.5	3257.2	*3244.8*	3136.8	3165.8	3104.2
65°	1672.2	1684.2	1817.2	2170.3	2697.3	3258.5	3512.7	*3506.4*	3370.6	3325.3	3136.4
67.5°	1332.6	1355.2	1468.1	1848.3	2446.8	3244.2	3710.2	*3709.6*	3523.2	3384.4	3022.0
69°	*1052.8*	*1076.2*	*1183.7*	*1522.5*	*2165.1*	*3113.7*	*3743.3*	*3750.5*	*3566.2*	*3348.4*	*2858.6*
70°	839.3	866.4	940.3	1282.4	1915.1	2941.6	3715.8	*3728.8*	3557.9	3289.1	2707.9
72.5°	357.2	379.1	431.7	661.0	1167.2	2196.6	3397.4	*3446.7*	3366.2	3010.3	2237.9
75°	156.0	162.8	186.6	269.5	518.1	1195.5	2661.5	*2752.5*	2878.3	2544.5	1667.1
77.5°	114.2	117.1	130.1	158.2	232.5	451.5	1711.5	*1764.5*	2075.8	1851.6	1022.6
80°	88.3	90.4	100.5	116.2	151.8	182.6	780.6	*826.1*	1167.2	951.0	425.9
82.5°	70.3	71.8	78.8	85.6	104.9	110.7	259.2	*287.5*	430.8	262.7	112.7
85°	65.4	67.0	69.5	62.5	67.2	64.9	112.1	*117.3*	130.1	103.2	47.2
87.5°	29.6	35.0	68.9	48.6	35.8	28.5	45.9	*48.0*	54.0	54.2	20.9
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: P386063
CATALOG NUMBER: GPC-SA1C-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9	784.9
2.5°	786.8	786.2	787.2	784.7	787.8	787.6	786.6	787.0	789.1	788.9	789.1
5°	791.6	791.1	792.4	790.5	794.2	795.5	795.7	797.5	799.8	800.4	800.4
7.5°	803.5	803.5	804.2	801.7	804.2	804.0	802.9	804.8	807.1	807.3	807.1
10°	824.2	824.4	823.4	817.0	814.9	809.3	804.2	804.4	807.3	809.5	810.2
12.5°	850.3	849.5	844.9	833.1	824.4	813.1	807.7	807.5	810.4	812.2	812.9
15°	880.1	877.8	866.0	846.8	831.5	820.3	811.6	809.5	807.9	805.8	806.0
17.5°	908.2	903.0	883.4	856.7	840.6	825.7	808.9	795.5	786.2	780.8	779.1
20°	936.7	926.6	898.3	866.0	845.5	818.4	786.2	758.9	741.9	734.1	732.6
22.5°	962.8	946.5	912.1	875.7	841.6	794.0	743.4	703.6	680.1	669.5	670.3
25°	988.2	965.5	926.6	882.6	821.7	751.0	683.8	635.0	607.7	595.9	595.5
27.5°	1010.6	984.7	942.3	877.0	784.7	689.8	613.3	565.7	542.9	532.8	531.1
30°	1036.2	1008.9	963.2	855.7	730.5	619.1	544.4	510.9	494.7	484.6	482.7
32.5°	1067.5	1041.8	980.4	817.0	661.2	545.2	490.6	467.2	452.6	441.2	439.1
35°	1113.0	1085.3	984.7	761.6	585.1	486.9	451.1	427.1	407.3	392.6	391.1
37.5°	1170.1	1139.7	974.8	689.8	511.3	449.0	418.2	388.6	362.8	342.1	338.8
40°	1252.4	1206.5	947.3	607.1	456.9	419.9	386.2	352.4	320.4	296.2	291.4
42.5°	1351.2	1284.8	905.1	524.7	417.0	390.3	354.3	312.5	281.9	264.7	262.3
45°	1477.0	1366.3	846.6	452.8	377.7	360.7	320.0	281.5	262.5	249.9	247.8
47.5°	1620.5	1457.8	785.1	394.2	344.4	333.0	292.5	267.6	252.5	242.6	240.8
50°	1797.0	1561.0	720.0	346.2	310.9	299.7	279.4	260.0	248.0	240.3	238.5
52.5°	1995.9	1677.4	673.0	308.4	283.2	275.1	272.6	255.9	246.1	240.3	238.5
55°	2210.2	1795.9	622.4	276.5	259.2	261.4	268.1	256.3	249.6	242.6	239.9
57.5°	2424.7	1918.4	565.9	249.6	240.1	251.3	265.0	257.1	251.5	244.7	242.2
60°	2594.3	1995.9	478.4	227.1	225.0	240.1	257.5	250.9	243.6	243.9	243.4
62.5°	2673.5	1991.8	381.8	207.0	209.9	225.0	245.5	241.2	235.2	243.2	243.9
65°	2629.1	1892.5	297.2	188.8	193.8	209.3	233.1	236.4	238.5	254.0	256.1
67.5°	2442.5	1699.3	230.2	172.9	179.1	198.6	234.3	257.5	260.2	276.5	276.3
69°	*2249.5*	*1518.2*	*200.0*	*164.6*	*171.9*	*201.2*	*250.5*	*271.0*	*260.8*	*278.2*	*275.7*
70°	2087.8	1374.8	183.9	159.1	168.6	206.0	261.2	270.7	257.7	272.6	268.5
72.5°	1607.9	989.1	156.0	148.7	157.4	197.1	264.3	264.7	250.5	253.4	246.3
75°	1102.8	625.1	136.1	134.6	140.4	177.7	254.4	253.0	231.7	227.5	221.7
77.5°	608.1	317.5	115.6	121.2	125.1	157.4	231.2	229.2	211.6	202.9	200.8
80°	234.5	139.0	97.6	107.8	110.2	136.3	202.7	200.8	186.2	175.0	171.9
82.5°	88.5	72.8	80.7	93.3	92.5	112.5	171.7	170.6	156.4	140.0	135.1
85°	41.0	43.6	63.9	76.9	70.9	83.4	137.3	139.2	121.8	102.4	102.4
87.5°	17.4	24.4	45.3	58.1	47.8	56.3	100.7	96.2	88.3	61.2	57.5
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

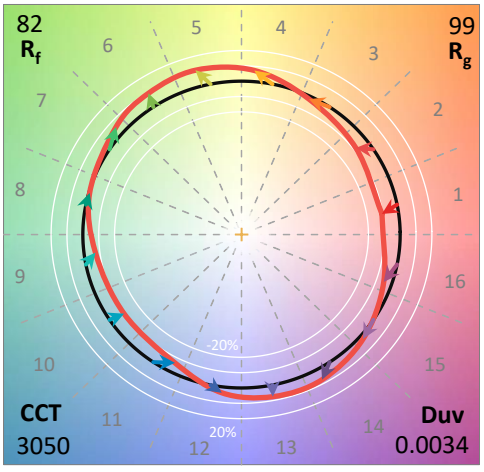
Test Information

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

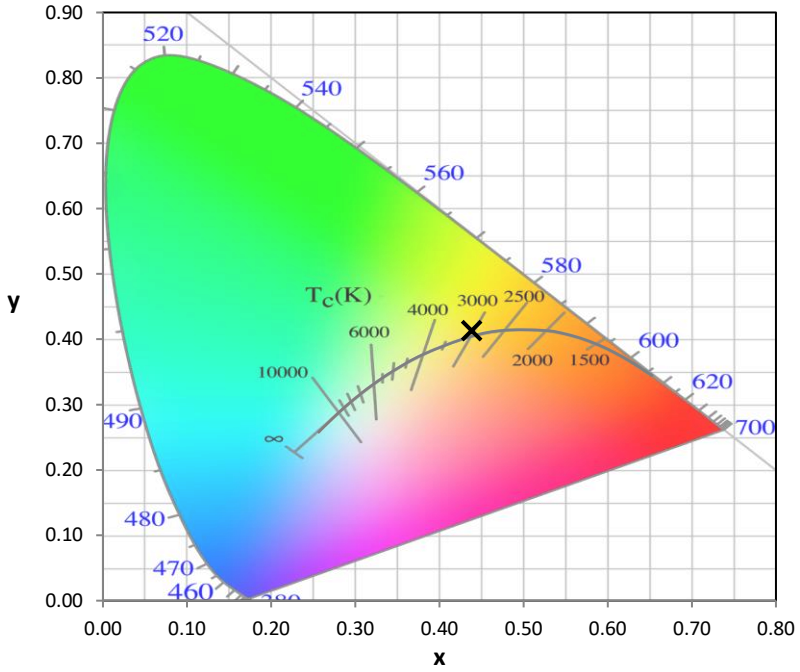
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

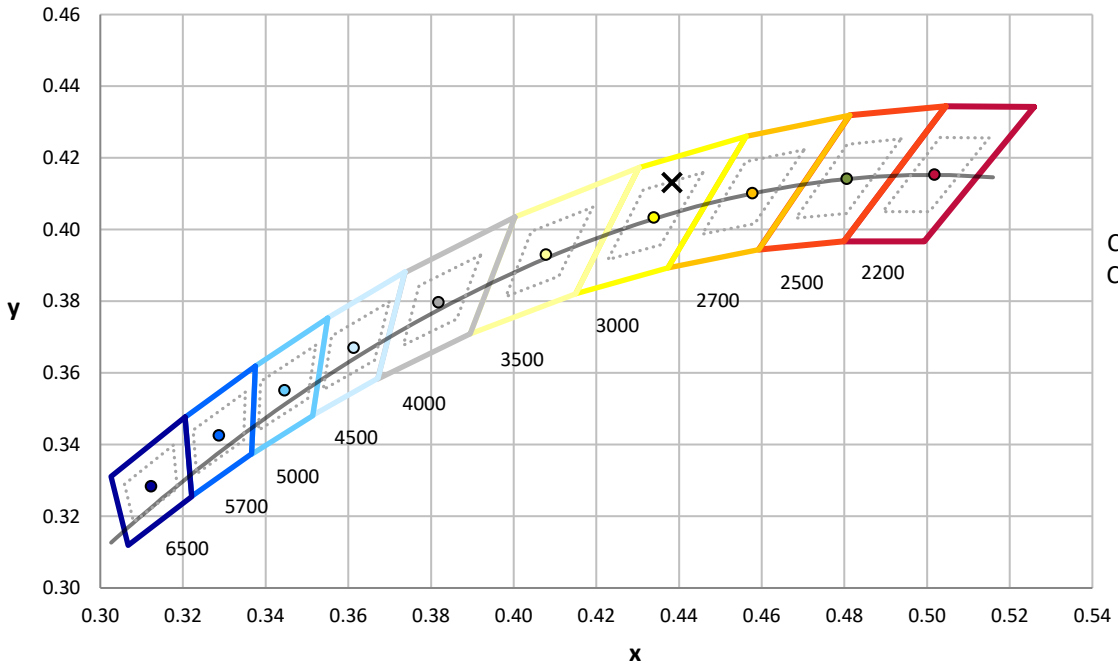
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

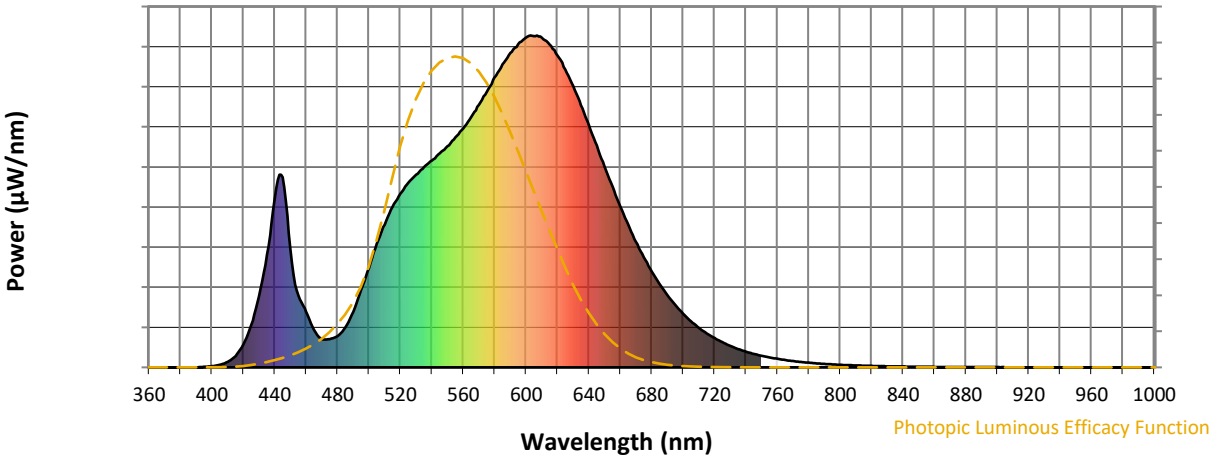


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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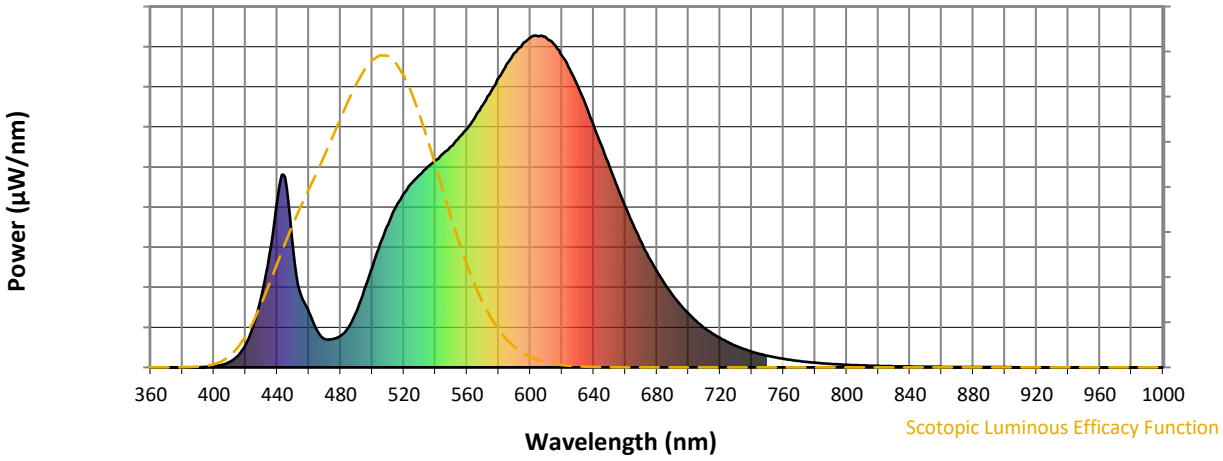
Scotopic Flux vs. Wavelength



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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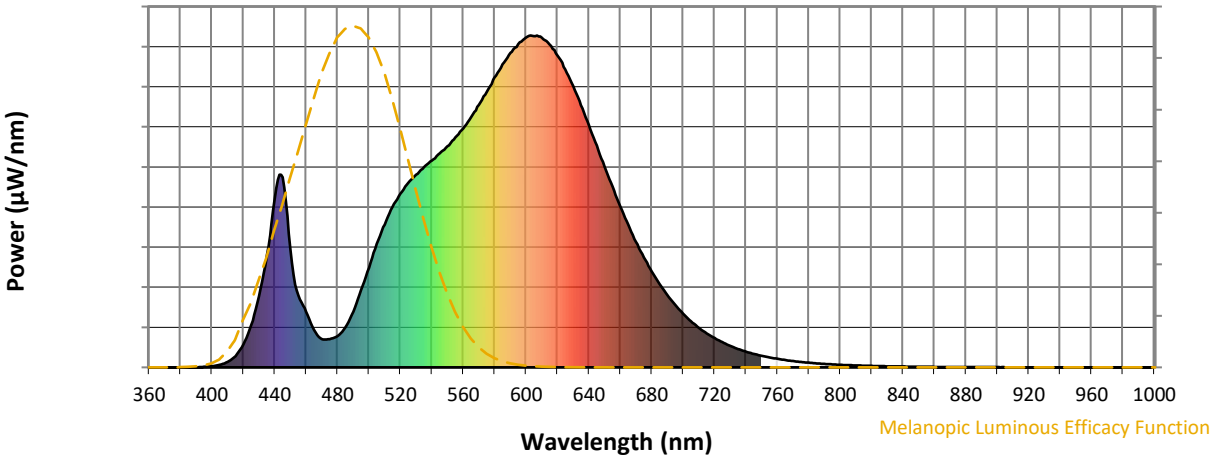
Melanopic Flux vs. Wavelength



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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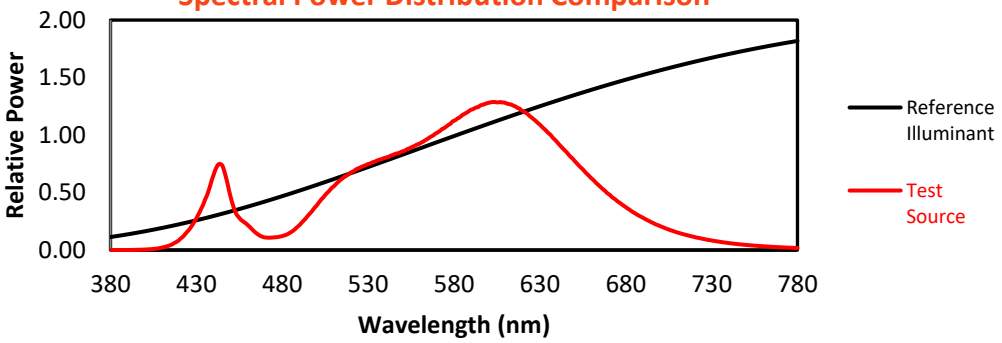
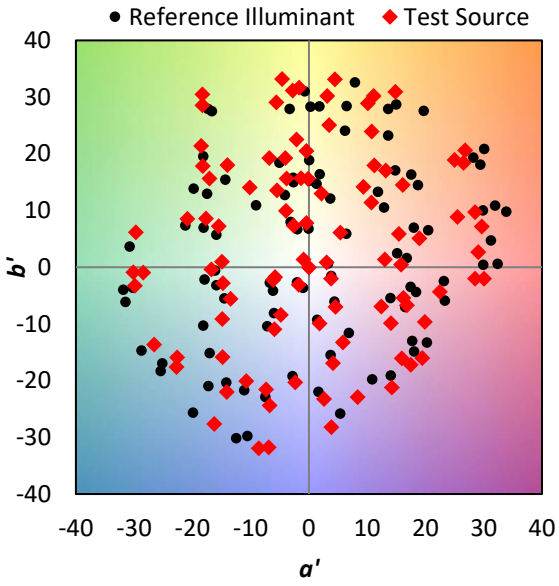
Summary

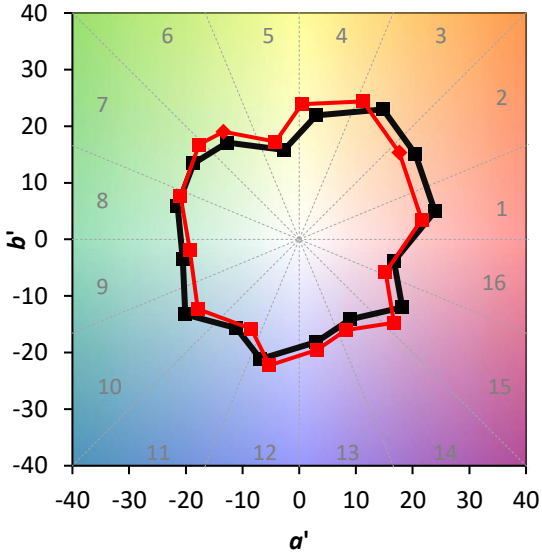
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

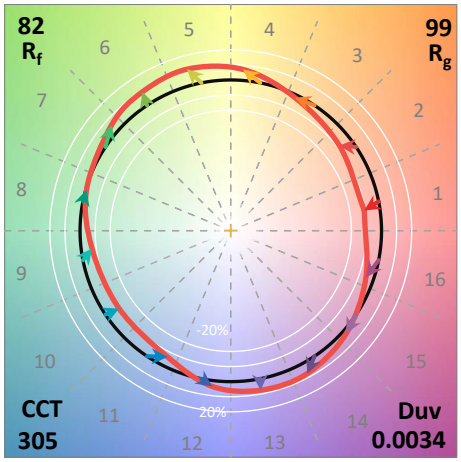
Spectral Power Distribution Comparison

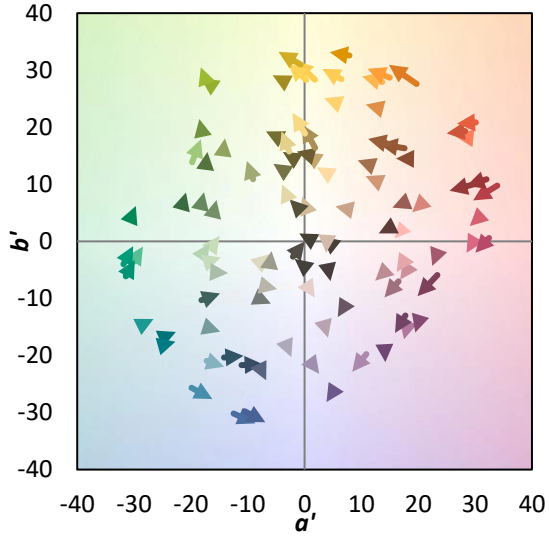


Color Vector Graphics









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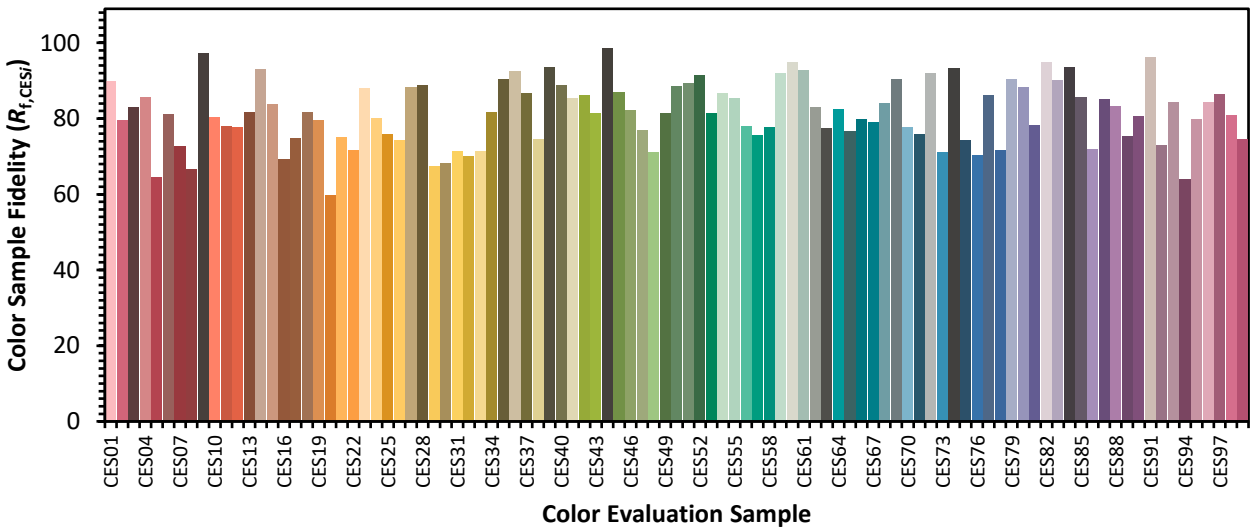
Individual Sample Fidelity Index ($R_{f,i}$)

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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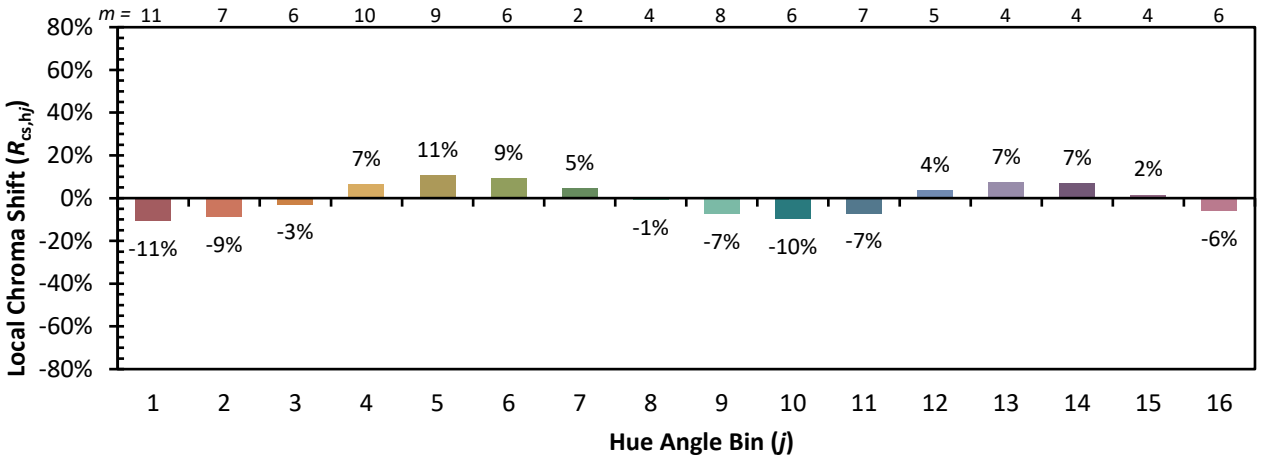
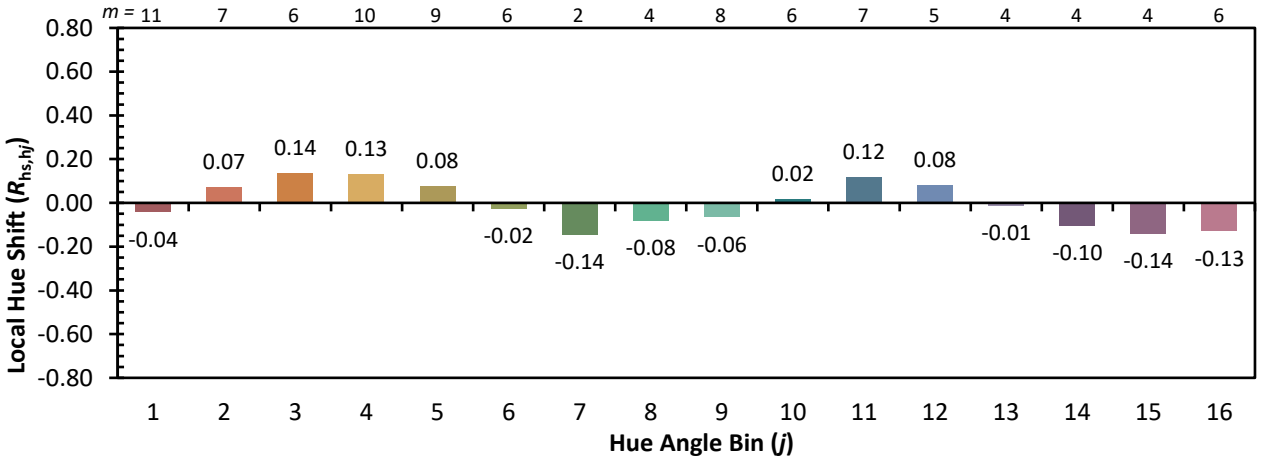
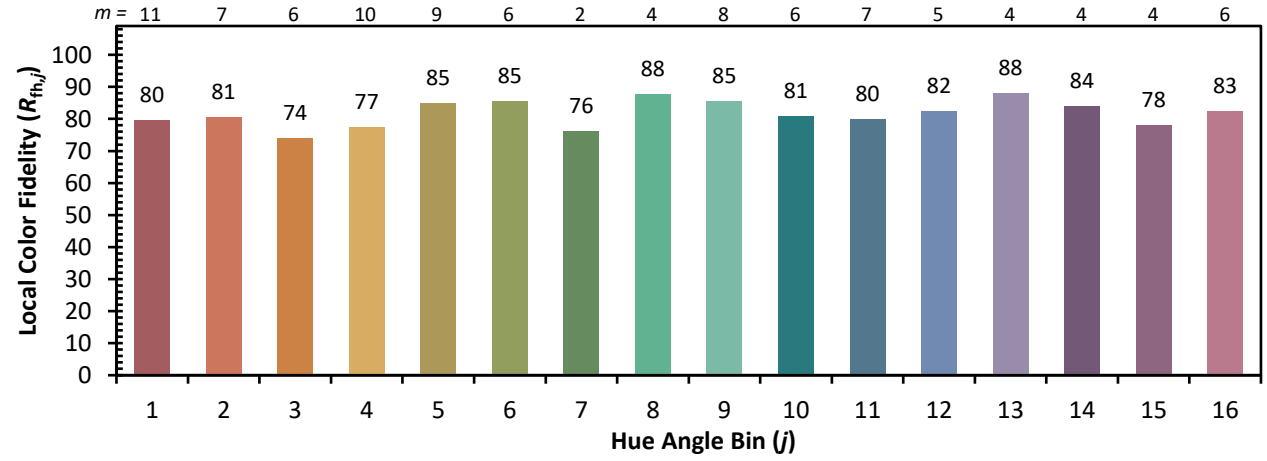
Color Rendition by Hue-Angle Bin







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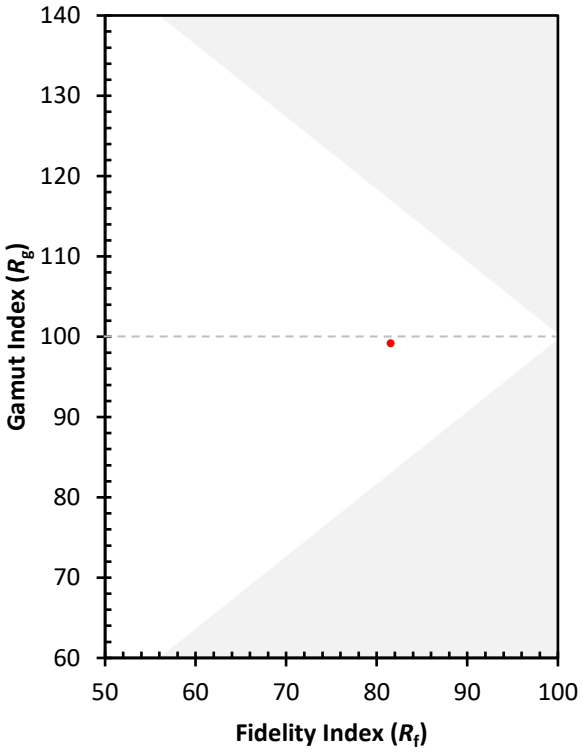
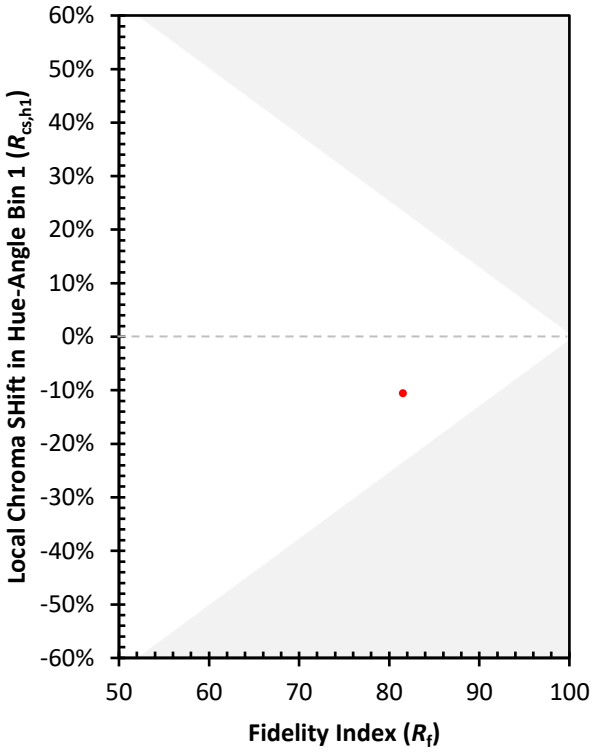
Measure Comparisons





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