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: P385620

Luminaire Tested: **GPC-SA1A-830-U-T4W-HSS**

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:	P385620
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1A-830-U-T4W-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2867 lumens
Efficiency:	N/A
Efficacy:	84.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B0 - U0 - G1

Input Watts (W):	34
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: P385620
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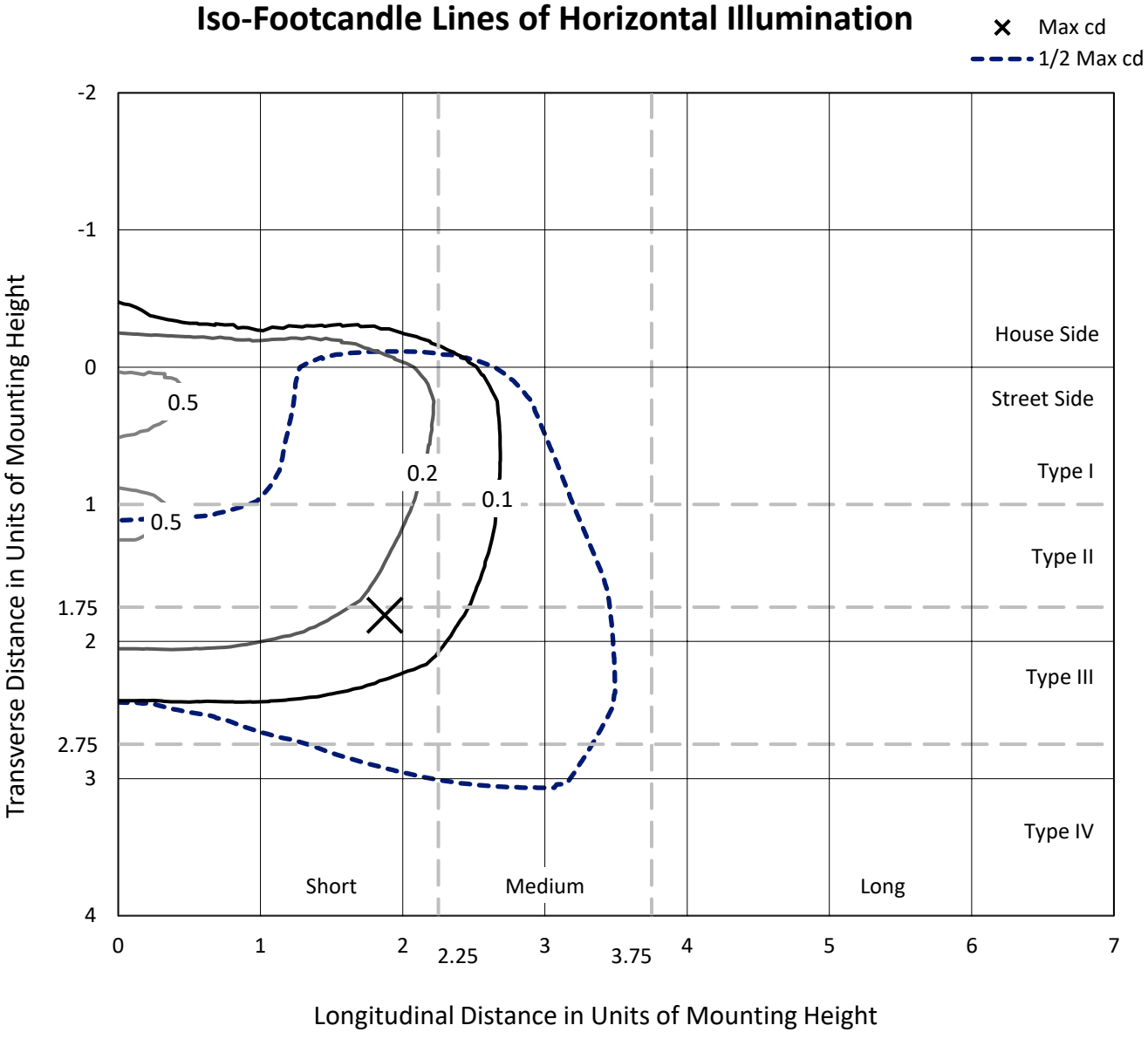
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type IV - Short - N/A

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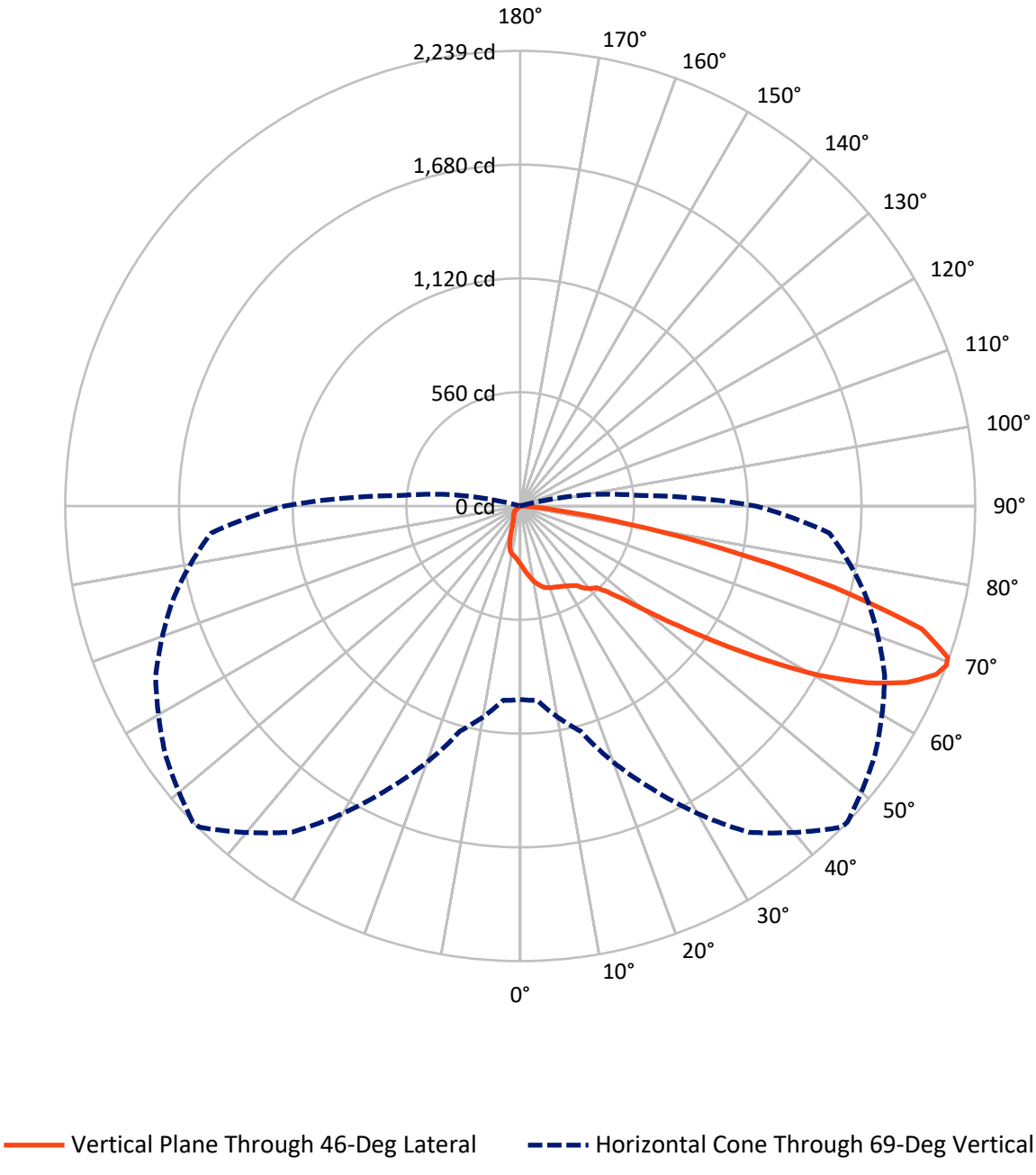
Luminous Intensity Polar Plot



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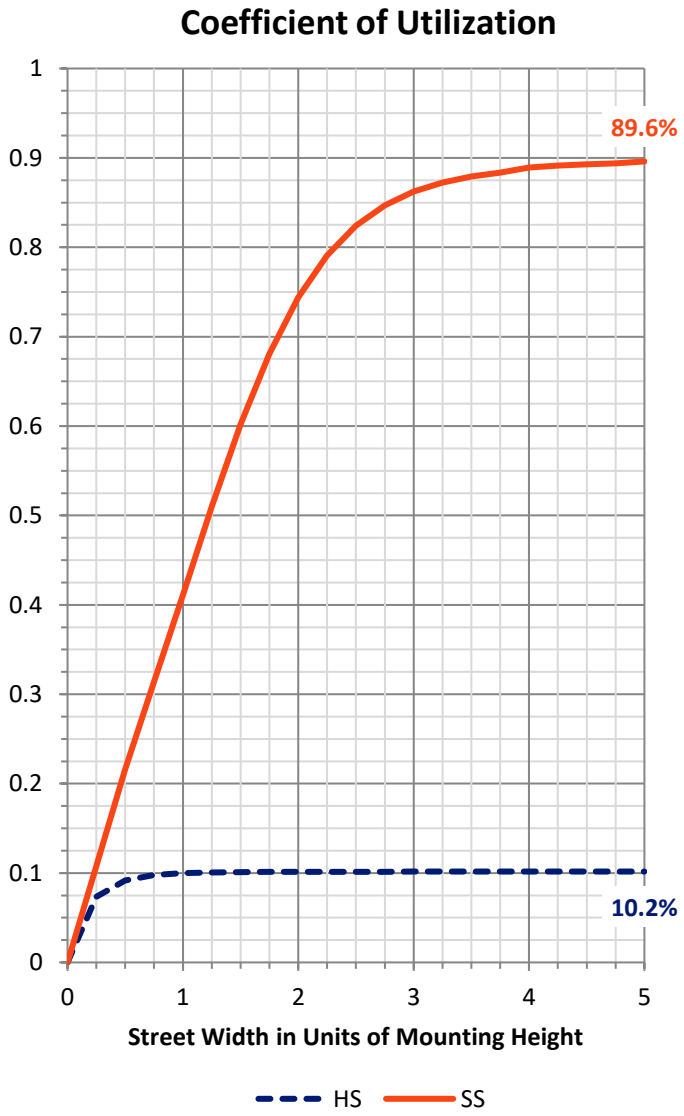
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	294.2	0.0	294.2
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	2572.8	0.0	2572.8
	% Fixture	89.7	0.0	89.7
Total	Lumens	2867.0	0.0	2867.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	1.0
10°-20°	86.7	3.0
20°-30°	136.4	4.8
30°-40°	195.6	6.8
40°-50°	338.1	11.8
50°-60°	668.0	23.3
60°-70°	933.5	32.6
70°-80°	451.0	15.7
80°-90°	29.0	1.0
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°	2867.0	100.0
0°-180°	2867.0	100.0



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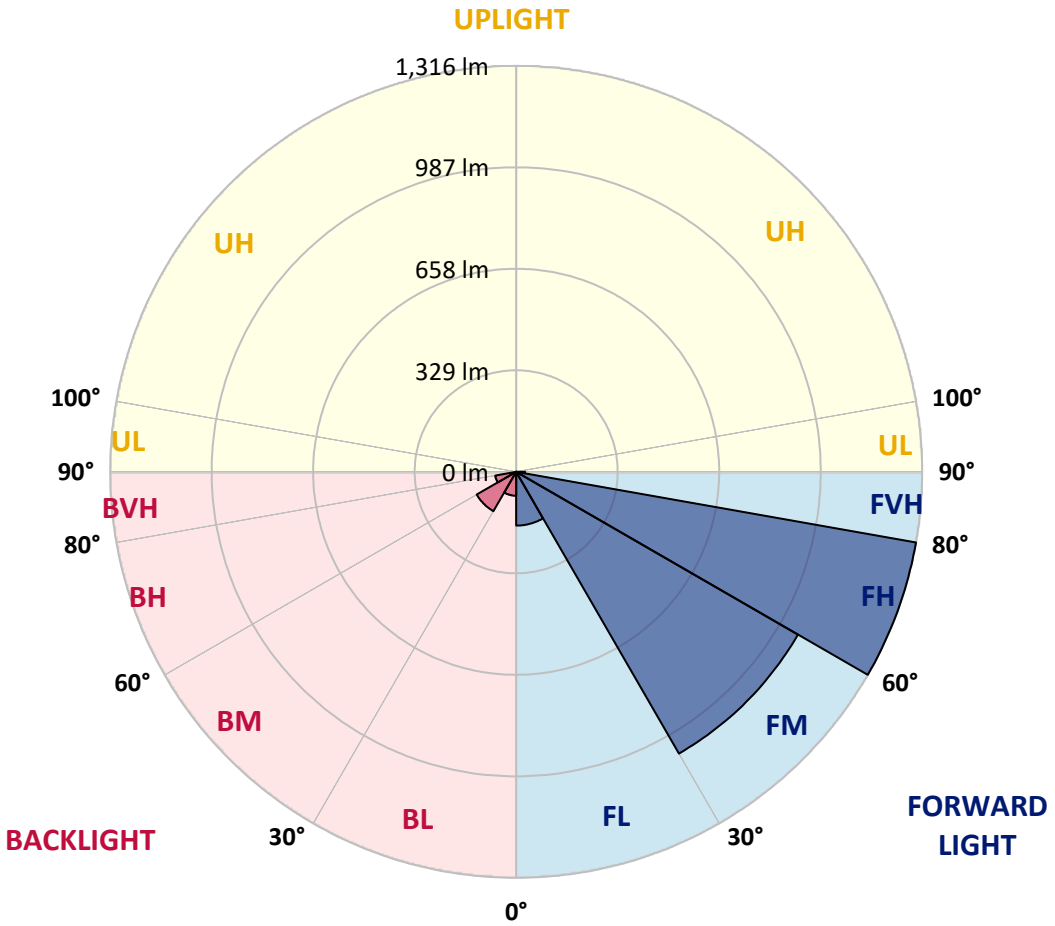
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	174.2	6.1			
FM	(30°-60°)	1054.3	36.8			
FH	(60°-80°)	1315.6	45.9			G1/1800
FVH	(80°-90°)	28.7	1.0			G1/100
BL	(0°-30°)	77.5	2.7	B0/110		
BM	(30°-60°)	147.4	5.1	B0/220		
BH	(60°-80°)	69.0	2.4	B0/110		G0/110
BVH	(80°-90°)	0.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type IV Short



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REPORT NUMBER: P385620
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	287.3	287.3	287.3	287.3	287.3	287.3	*287.3*	287.3	287.3	287.3	287.3
2.5°	319.1	318.7	316.8	316.0	311.5	308.8	*307.7*	304.3	299.5	294.7	289.3
5°	355.4	355.3	351.8	348.4	339.8	331.8	*330.3*	322.5	311.6	301.4	291.2
7.5°	392.5	390.8	387.3	380.8	368.3	355.4	*354.2*	343.2	327.7	312.9	298.3
10°	424.0	422.9	418.3	408.5	393.9	379.2	*377.7*	364.2	346.7	328.5	309.8
12.5°	448.4	447.6	441.6	429.3	413.8	398.6	*396.5*	384.5	365.8	345.5	323.4
15°	463.4	463.0	455.6	442.5	427.2	414.0	*412.3*	401.7	384.3	363.1	338.2
17.5°	466.9	467.0	459.3	446.2	433.5	424.1	*422.8*	414.7	400.2	379.1	353.0
20°	459.1	460.7	453.8	442.4	434.6	429.6	*428.5*	423.7	411.5	391.6	364.8
22.5°	448.0	448.8	444.1	436.5	433.2	434.2	*433.6*	431.0	420.6	402.3	376.5
25°	441.3	441.3	438.5	432.0	434.2	440.0	*440.1*	439.6	431.4	415.5	390.8
27.5°	441.0	440.2	437.0	432.2	438.1	447.0	*447.5*	451.1	446.0	431.5	408.5
30°	451.8	450.9	444.0	437.7	445.2	454.8	*456.1*	464.0	461.5	448.8	428.3
32.5°	476.9	473.6	458.4	448.0	453.7	465.1	*466.9*	479.5	483.5	470.2	447.4
35°	511.3	500.7	478.8	467.7	468.2	480.2	*481.8*	500.3	512.3	489.8	462.1
37.5°	558.8	553.6	517.9	488.1	490.5	508.7	*513.4*	533.5	530.2	500.6	479.0
40°	662.8	654.6	616.7	545.4	511.9	531.8	*533.3*	544.0	544.3	524.9	513.9
42.5°	804.5	801.2	761.2	649.3	554.0	547.2	*549.9*	568.1	588.4	576.3	575.7
45°	961.4	959.6	917.3	787.2	639.0	597.9	*601.3*	625.6	664.5	667.1	684.2
47.5°	1087.6	1086.8	1062.5	941.1	769.3	683.8	*684.9*	710.7	779.0	812.7	840.0
50°	1202.7	1206.6	1187.4	1107.6	946.7	818.4	*815.8*	833.0	942.7	998.0	1031.8
52.5°	1362.6	1368.2	1314.3	1263.0	1132.9	985.3	*983.3*	1001.3	1139.5	1180.9	1187.0
55°	1503.9	1494.5	1451.9	1437.1	1360.0	1191.5	*1191.0*	1206.9	1329.9	1347.5	1358.6
57.5°	1566.3	1562.7	1583.2	1617.1	1597.8	1435.2	*1434.0*	1421.9	1500.2	1502.0	1536.3
60°	1605.7	1610.1	1673.2	1777.6	1825.9	1697.5	*1689.7*	1615.9	1662.8	1658.6	1695.3
62.5°	1576.1	1584.9	1698.3	1872.4	1996.6	1926.4	*1915.4*	1793.6	1801.8	1787.4	1821.6
65°	1419.1	1432.7	1618.6	1854.5	2081.3	2105.3	*2094.2*	1950.5	1912.2	1888.5	1869.6
67.5°	1152.3	1160.3	1354.4	1699.0	2043.1	2212.1	*2209.8*	2088.0	1995.5	1871.4	1724.4
69°	*952.3*	*960.2*	*1147.0*	*1535.2*	*1959.1*	*2234.9*	*2239.4*	*2132.1*	*1979.7*	*1767.7*	*1527.9*
70°	806.5	815.0	989.1	1394.9	1861.6	2224.3	*2232.2*	2127.9	1934.2	1647.5	1355.4
72.5°	423.0	430.3	608.9	961.0	1517.6	2042.4	*2066.5*	1948.1	1639.6	1196.5	801.4
75°	132.9	137.1	237.8	502.3	1039.1	1588.1	*1593.6*	1528.1	1164.2	658.1	333.8
77.5°	50.7	49.5	79.2	185.1	525.3	1000.0	*1033.7*	954.9	611.0	232.7	77.0
80°	27.3	27.4	41.1	76.6	224.8	513.9	*542.4*	462.8	217.1	72.6	17.7
82.5°	11.8	12.4	23.1	40.6	103.2	189.5	*203.8*	169.6	82.9	48.8	6.6
85°	2.6	2.8	11.2	22.0	42.1	53.2	*55.8*	55.0	52.8	37.9	2.6
87.5°	0.0	0.0	5.0	7.9	10.6	12.1	*10.6*	13.8	29.2	25.5	1.3
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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Scaled Data Report

REPORT NUMBER: P385620
CATALOG NUMBER: GPC-SA1A-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	287.3	287.3	287.3	287.3	287.3	287.3	287.3	287.3	287.3	287.3	287.3
2.5°	287.5	285.1	280.9	276.4	273.1	269.8	267.1	265.9	264.5	263.6	264.8
5°	287.0	282.3	274.2	266.4	260.8	256.2	252.4	251.0	249.5	248.4	248.3
7.5°	291.7	285.1	272.7	261.3	252.6	246.4	241.3	239.1	237.4	236.6	235.9
10°	300.7	292.2	275.7	260.8	249.5	239.0	228.0	219.5	214.0	211.4	210.5
12.5°	312.4	301.8	281.3	263.6	247.2	227.0	203.7	183.5	170.4	166.1	163.6
15°	326.1	312.9	288.7	267.2	238.9	202.0	162.4	136.0	123.9	121.5	118.8
17.5°	339.3	324.8	297.6	267.9	220.6	161.4	119.0	101.1	96.4	98.0	98.4
20°	350.8	336.5	306.4	262.0	187.4	121.1	92.1	87.6	89.4	92.5	93.0
22.5°	362.5	347.8	314.4	246.4	144.9	91.9	82.9	84.0	85.8	88.9	89.4
25°	376.8	361.5	321.9	217.8	108.7	78.2	78.8	80.4	82.1	85.0	85.2
27.5°	393.2	378.8	326.9	180.5	80.7	71.9	73.7	76.1	77.8	80.5	81.1
30°	415.0	401.7	328.5	142.0	67.6	66.3	67.1	70.0	72.6	75.0	75.4
32.5°	435.4	424.2	323.2	107.1	62.6	61.0	61.0	62.8	65.7	68.0	68.6
35°	454.2	447.0	305.9	78.4	58.9	56.2	54.8	54.8	56.7	58.6	59.1
37.5°	479.1	478.8	278.1	62.5	55.2	52.2	49.3	47.2	46.5	46.9	47.2
40°	521.7	522.1	241.8	56.1	52.2	48.0	43.7	39.8	36.2	35.0	34.8
42.5°	588.2	582.2	203.8	53.0	49.5	43.7	37.2	32.0	26.3	24.6	24.5
45°	693.9	658.0	163.5	50.1	46.6	38.8	30.8	23.7	19.1	17.7	17.7
47.5°	847.8	757.6	126.6	47.0	42.9	33.3	23.3	17.1	14.0	13.3	13.4
50°	1007.0	855.2	97.1	43.1	38.3	27.6	17.2	12.4	10.6	10.6	10.8
52.5°	1148.1	926.7	75.7	39.0	32.7	21.6	13.0	9.7	8.9	8.7	8.9
55°	1280.2	972.8	57.9	34.1	25.9	16.1	9.9	7.9	7.4	7.1	7.0
57.5°	1407.7	995.7	43.4	27.6	18.8	11.7	7.9	6.7	6.2	5.8	5.6
60°	1492.5	977.1	29.8	20.3	13.0	8.5	6.6	5.8	5.1	4.7	4.6
62.5°	1540.4	926.4	19.2	14.7	9.3	6.3	5.2	4.8	3.9	3.5	3.5
65°	1521.0	842.8	13.4	10.5	6.7	4.7	3.9	3.9	2.8	2.3	2.2
67.5°	1347.9	712.0	10.2	7.8	4.8	3.5	3.0	3.4	1.7	1.1	1.1
69°	*1159.7*	*590.1*	*8.7*	*6.5*	*4.0*	*2.8*	*2.6*	*3.1*	*1.2*	*0.8*	*0.7*
70°	1007.9	509.1	7.9	5.6	3.4	2.4	2.3	3.0	1.2	0.7	0.5
72.5°	603.0	283.9	6.0	4.0	2.2	1.9	1.9	3.4	1.2	0.7	0.5
75°	243.7	100.0	4.4	2.8	1.6	1.6	2.3	4.3	1.1	0.5	0.4
77.5°	55.2	21.9	2.6	1.7	1.1	1.6	2.7	3.4	0.7	0.3	0.0
80°	13.4	5.4	1.6	1.1	0.7	1.2	2.0	1.9	0.1	0.0	0.0
82.5°	4.4	1.9	0.7	0.5	0.1	0.4	0.9	0.5	0.0	0.0	0.0
85°	1.9	1.1	0.3	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
87.5°	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

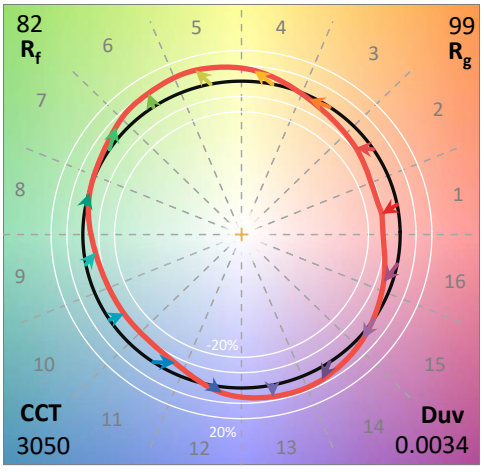
Test Information

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

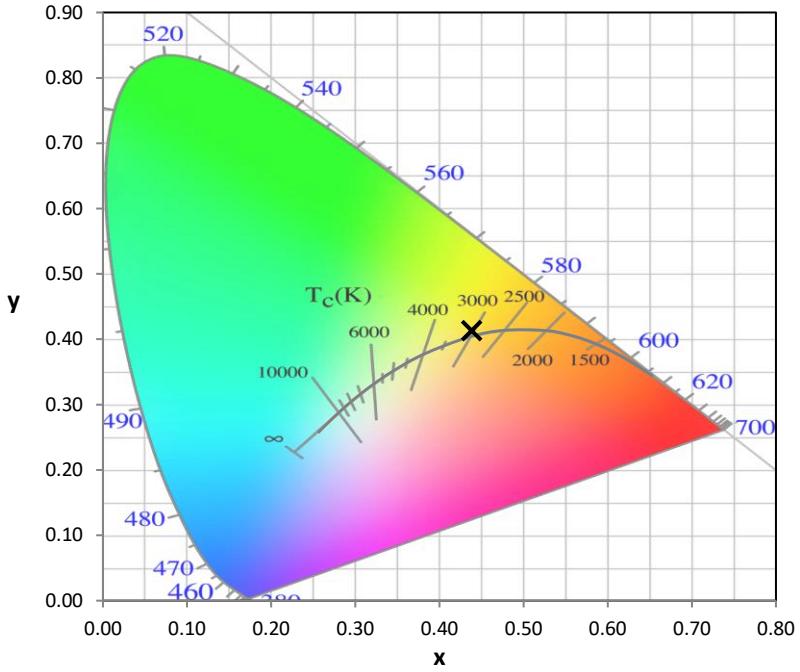
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

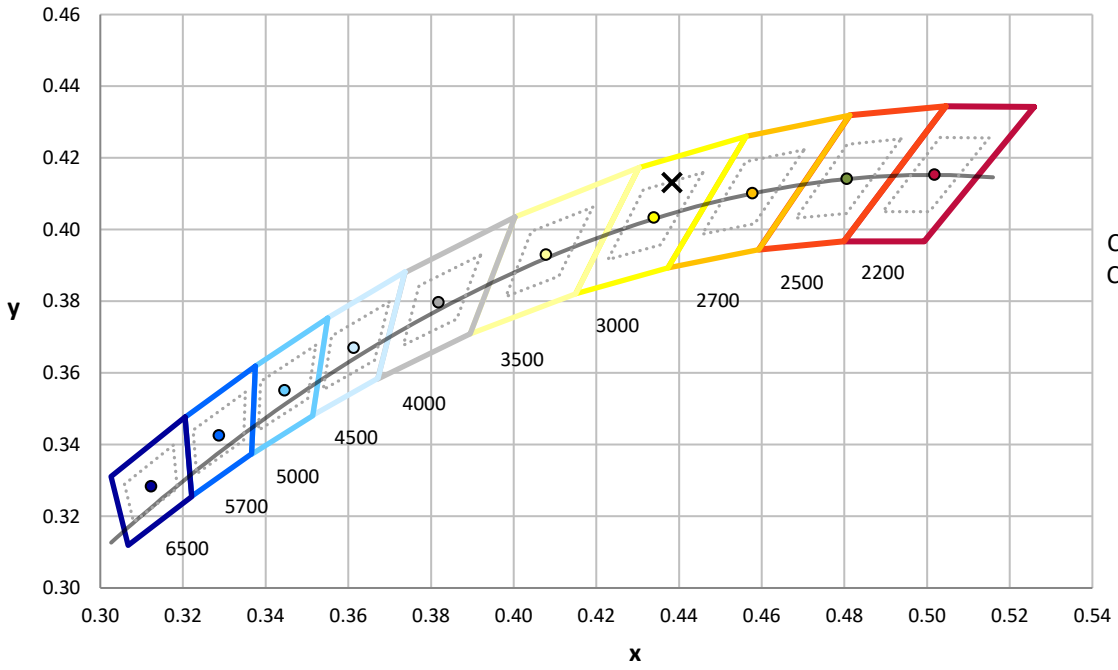
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

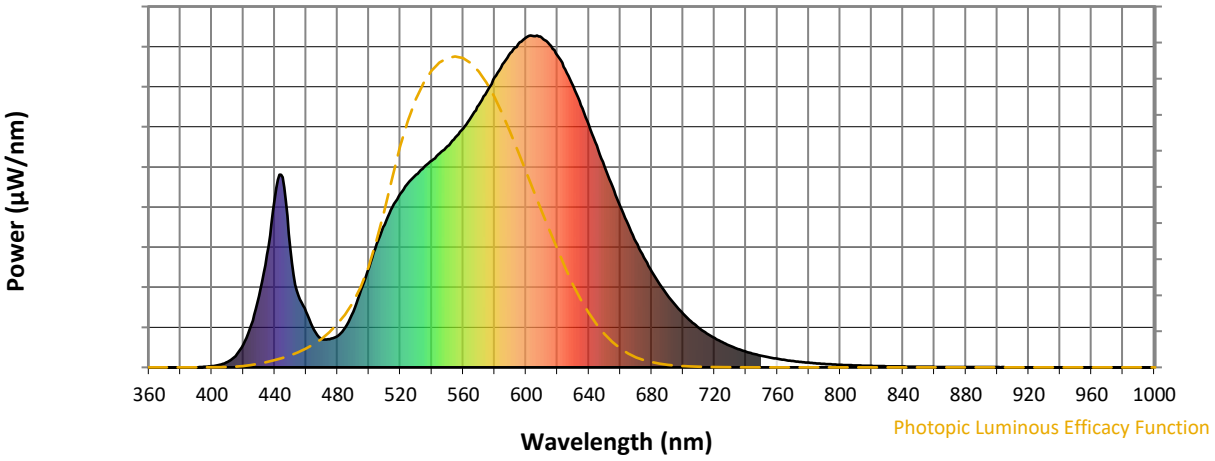


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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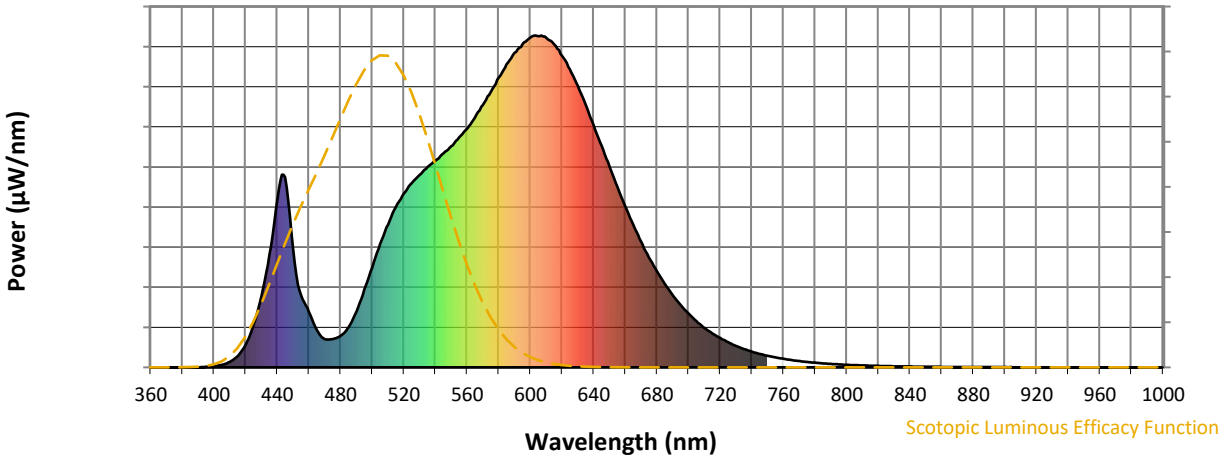
Scotopic Flux vs. Wavelength



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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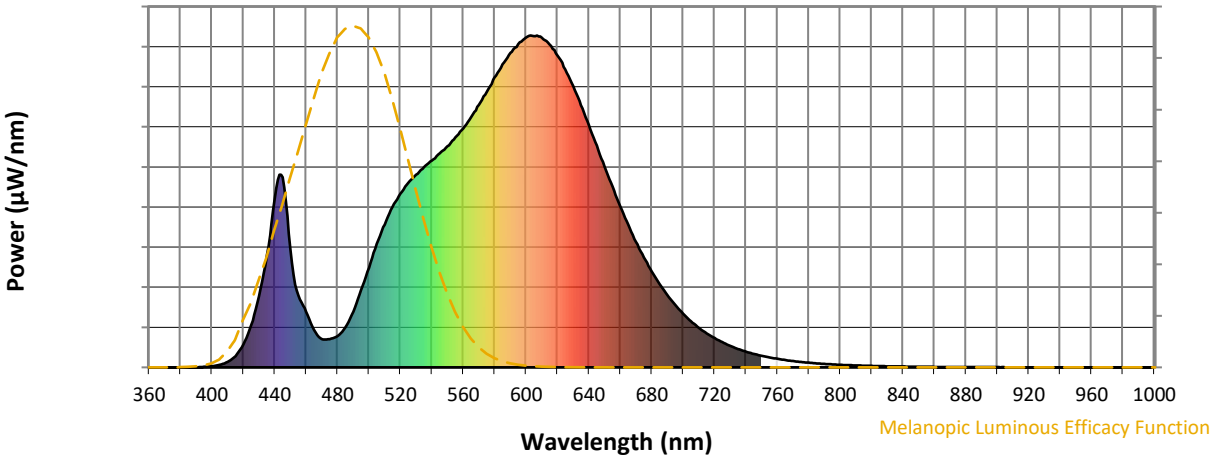
Melanopic Flux vs. Wavelength



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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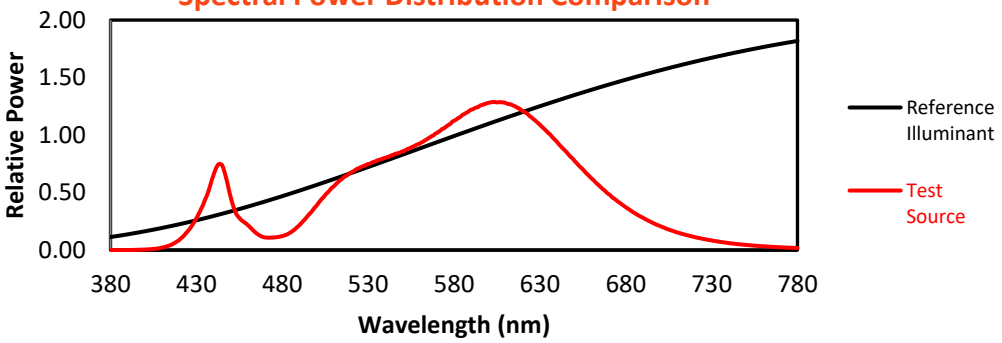
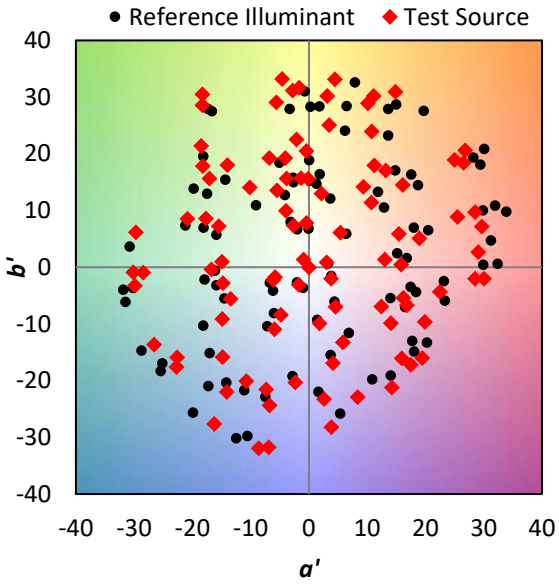
Summary

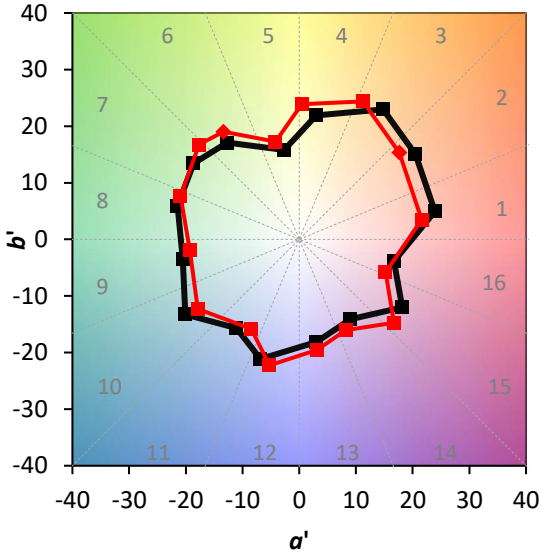
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

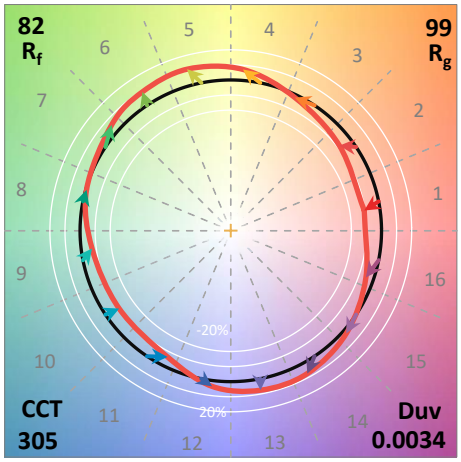
Spectral Power Distribution Comparison

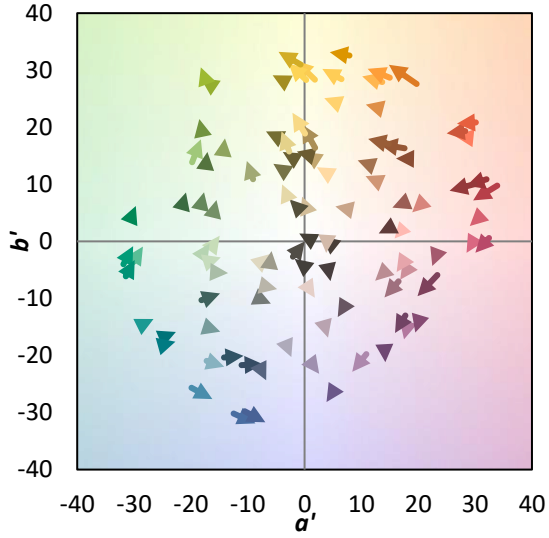


Color Vector Graphics









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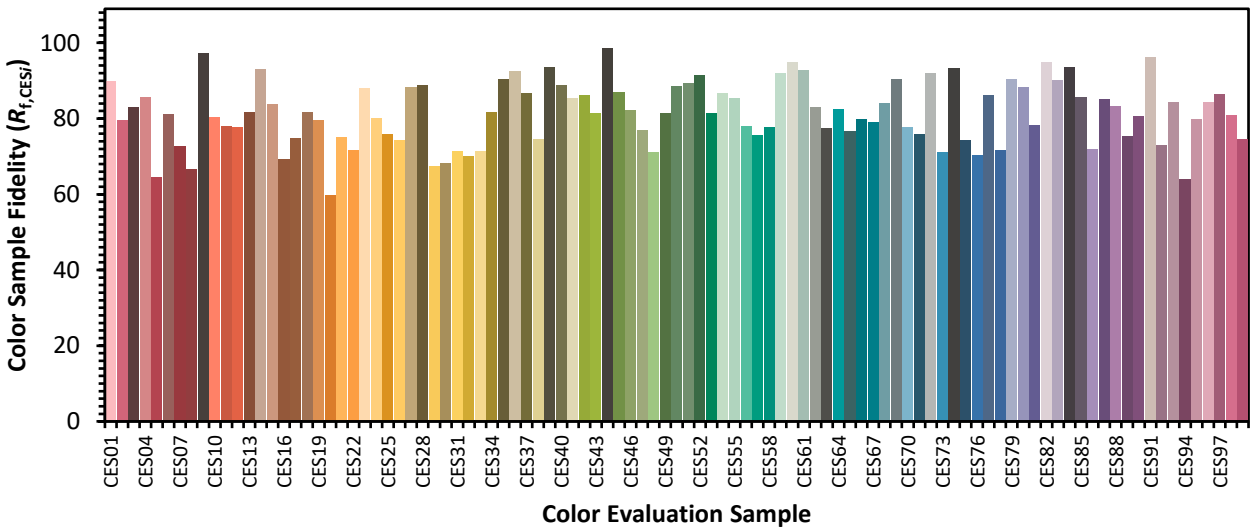
Individual Sample Fidelity Index ($R_{f,i}$)

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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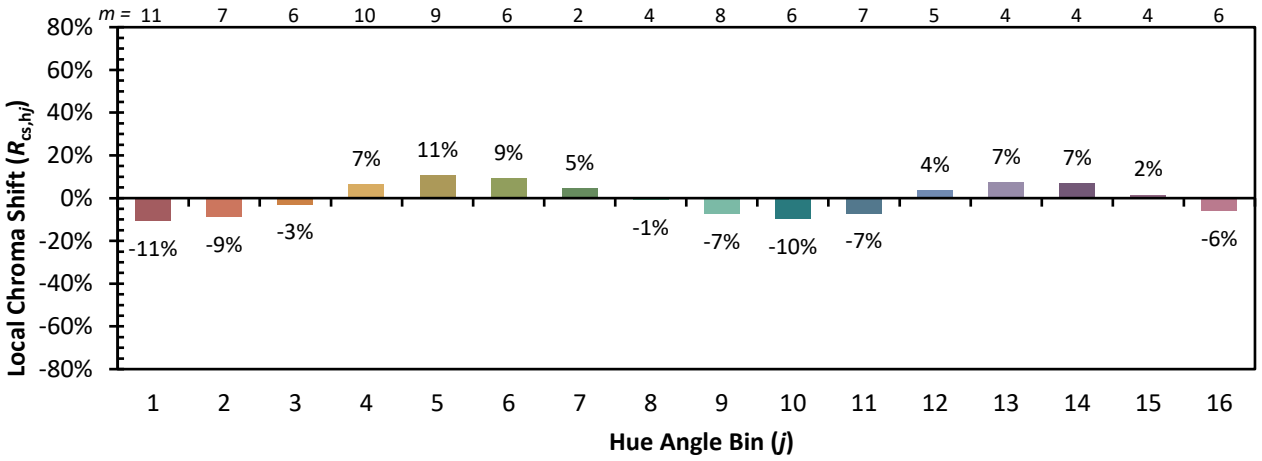
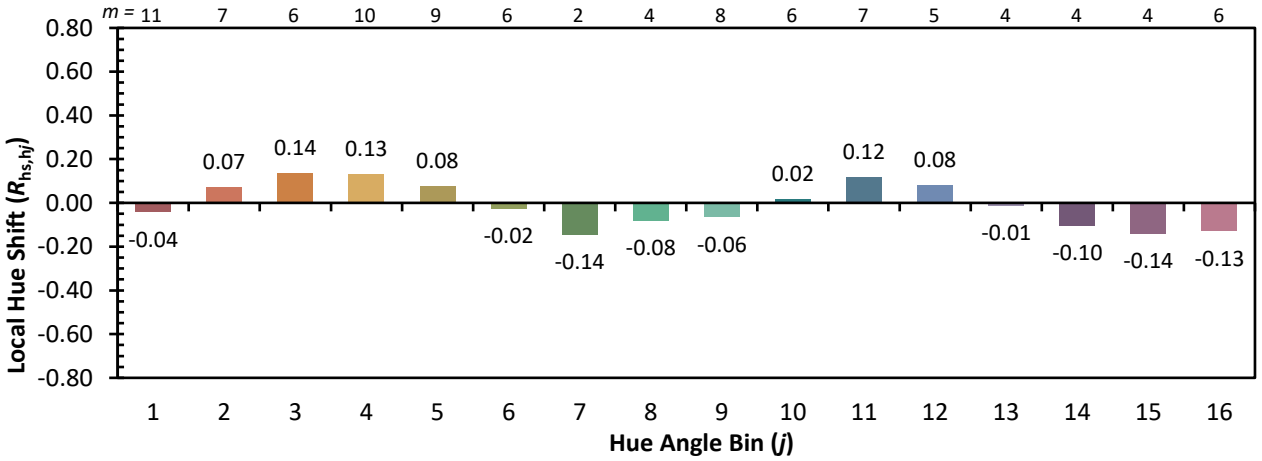
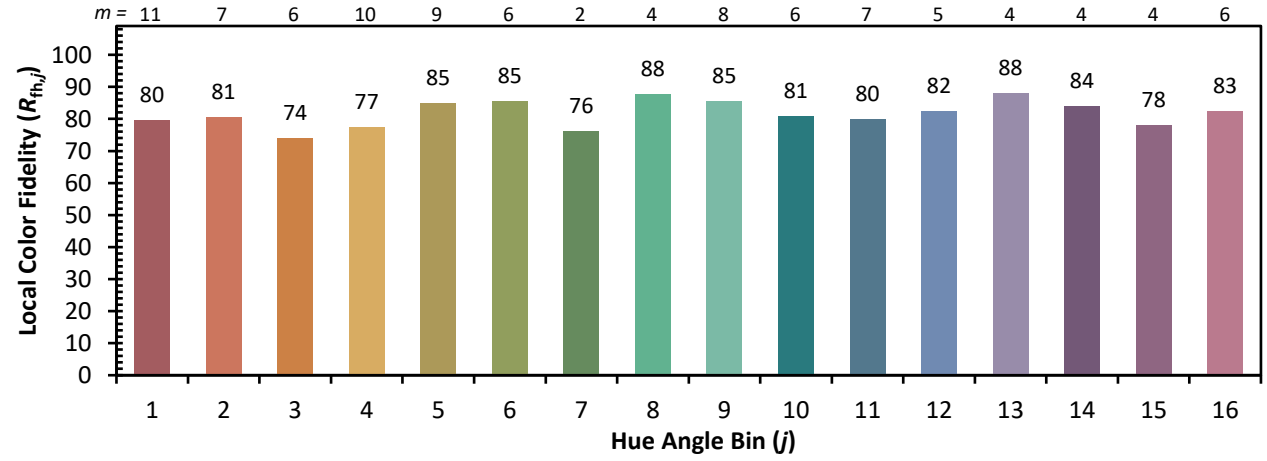
Color Rendition by Hue-Angle Bin







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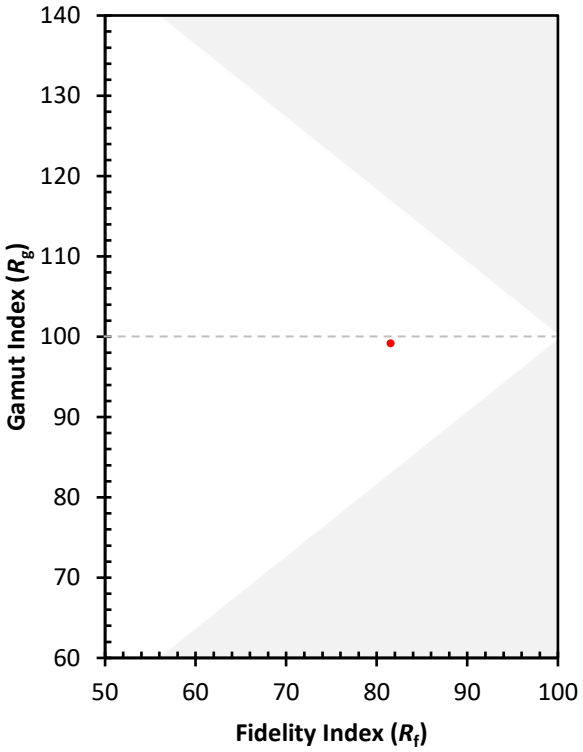
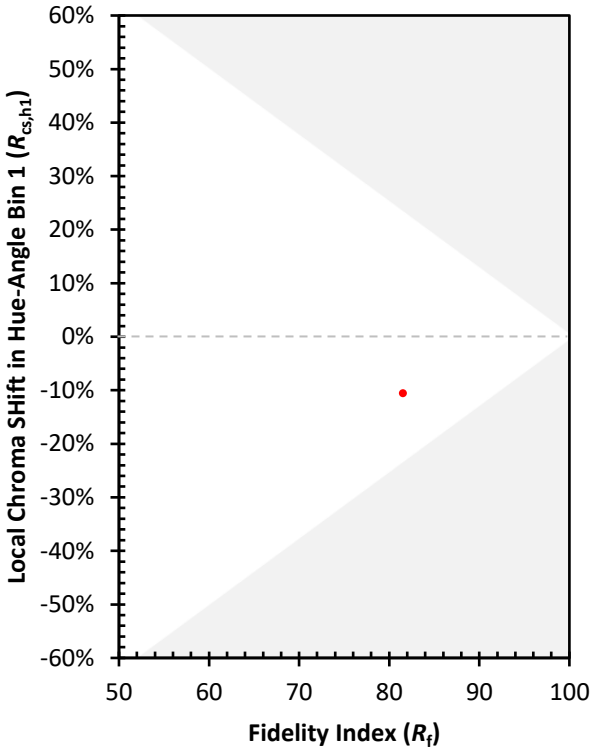
Measure Comparisons





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