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: P385621

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

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:	P385621
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
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
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3927 lumens
Efficiency:	N/A
Efficacy:	115.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - 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: P385621
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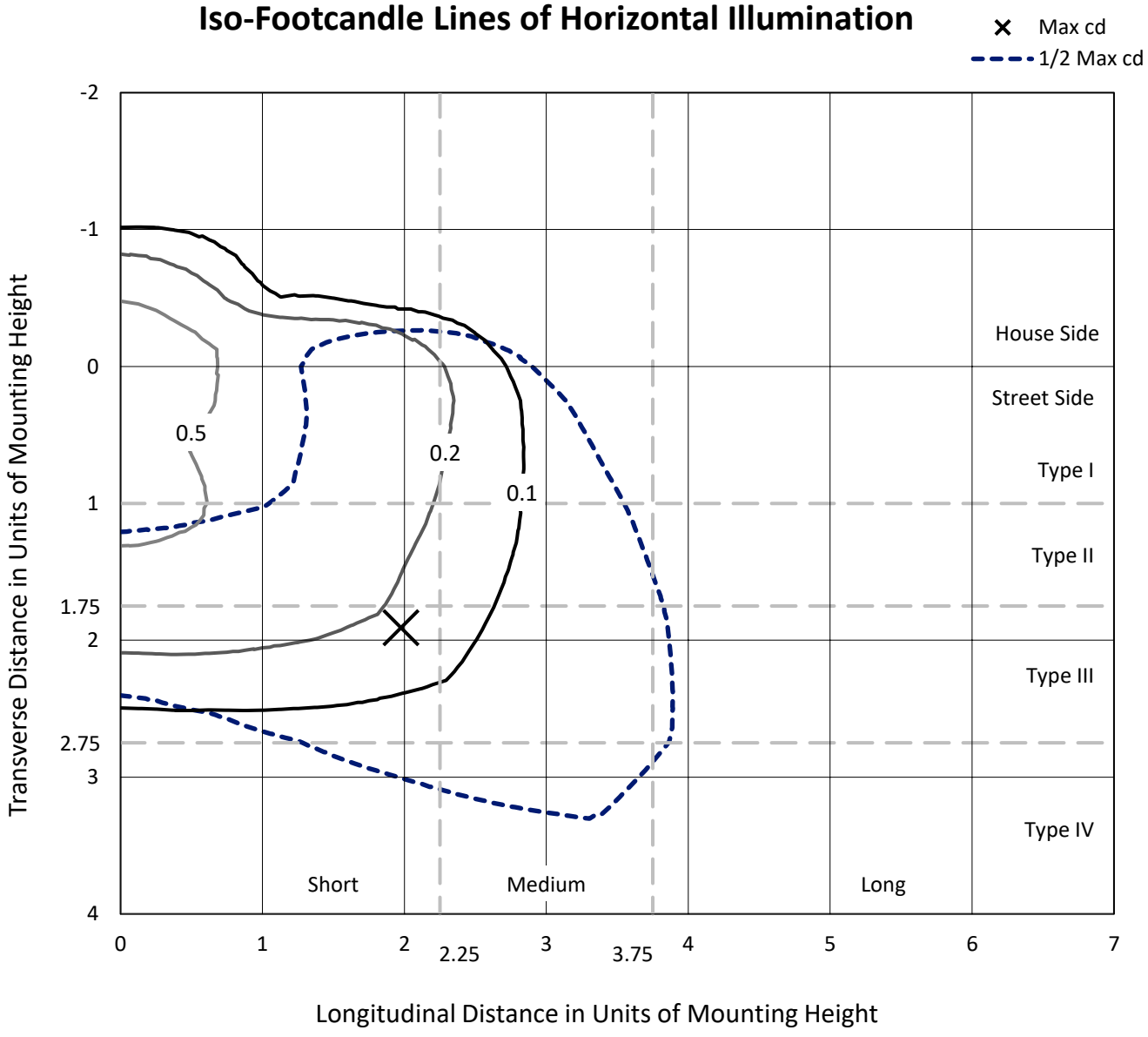
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type IV - Short - N/A

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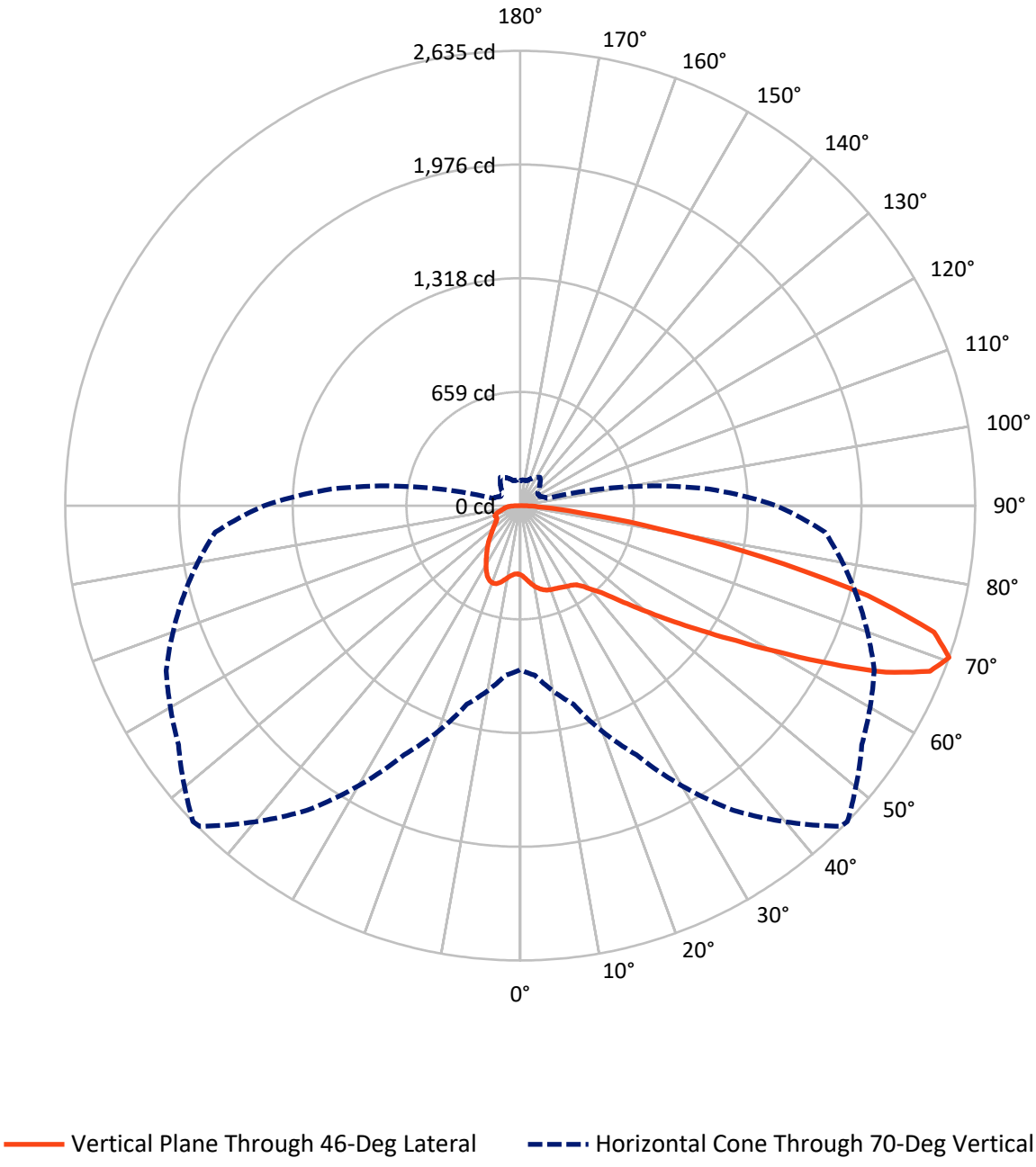
Luminous Intensity Polar Plot



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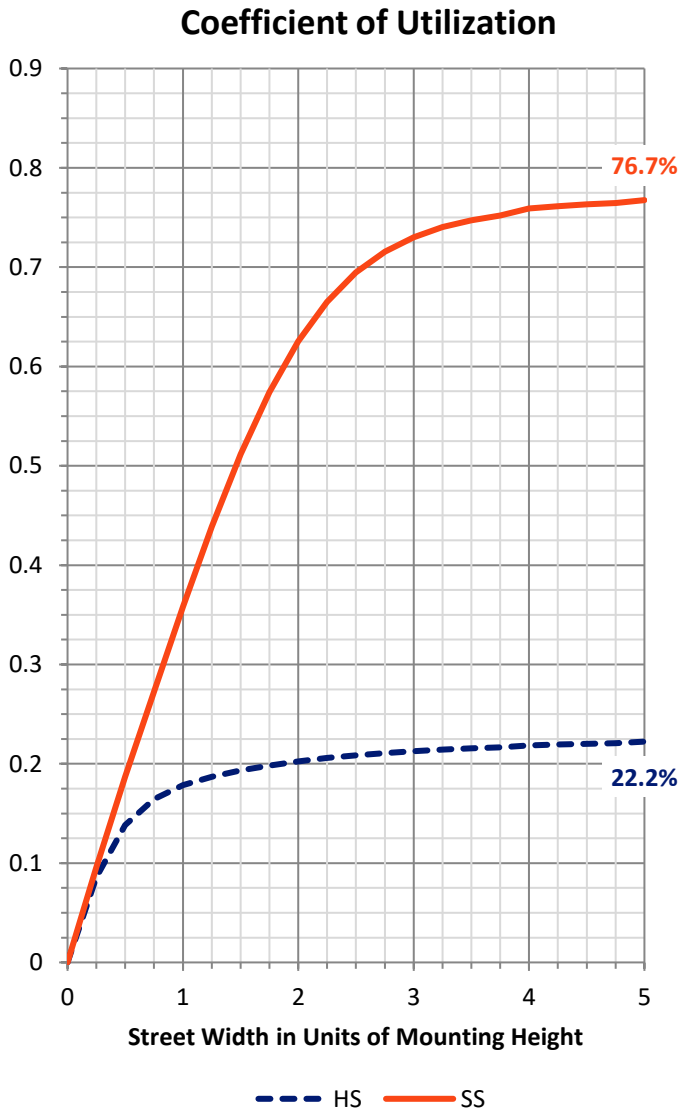
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	900.1	0.0	900.1
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	3026.9	0.0	3026.9
	% Fixture	77.1	0.0	77.1
Total	Lumens	3927.0	0.0	3927.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	1.0
10°-20°	135.9	3.5
20°-30°	226.6	5.8
30°-40°	321.5	8.2
40°-50°	472.9	12.0
50°-60°	800.9	20.4
60°-70°	1136.9	29.0
70°-80°	690.7	17.6
80°-90°	100.8	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°	3927.0	100.0
0°-180°	3927.0	100.0



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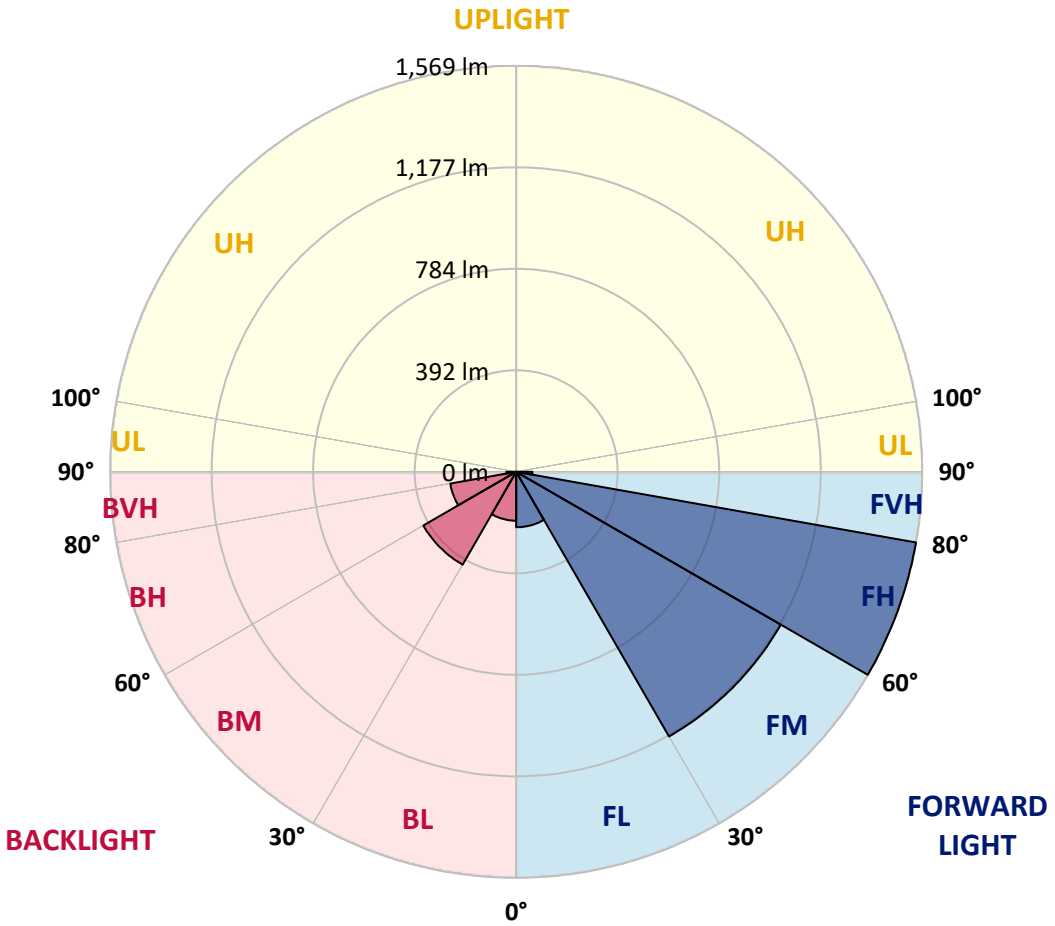
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	214.3	5.5			
FM	(30°-60°)	1181.1	30.1			
FH	(60°-80°)	1568.8	39.9			G1/1800
FVH	(80°-90°)	62.8	1.6			G1/100
BL	(0°-30°)	189.0	4.8	B1/500		
BM	(30°-60°)	414.3	10.6	B1/1000		
BH	(60°-80°)	258.8	6.6	B1/500		G1/500
BVH	(80°-90°)	38.0	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type IV Short



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Scaled Data Report

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	400.1	400.1	400.1	400.1	400.1	400.1	*400.1*	400.1	400.1	400.1	400.1
2.5°	420.1	420.4	420.9	419.6	415.8	414.7	*414.3*	410.4	407.9	404.1	400.9
5°	453.7	454.0	453.2	449.4	441.1	434.9	*434.4*	425.5	417.4	408.8	402.4
7.5°	488.8	489.2	486.6	479.5	467.8	457.1	*456.4*	444.3	432.1	419.0	409.4
10°	519.8	518.2	514.0	504.1	490.3	477.1	*476.6*	463.9	449.8	434.1	421.2
12.5°	540.5	539.2	533.8	521.7	506.5	494.4	*493.4*	481.7	468.0	450.8	435.3
15°	551.9	552.9	545.6	531.9	517.1	506.9	*506.0*	497.7	485.4	468.1	450.3
17.5°	553.4	554.2	547.2	533.7	521.6	514.6	*514.2*	508.7	499.8	483.1	464.6
20°	544.8	545.4	539.6	528.4	520.5	518.3	*518.2*	515.8	509.2	494.4	476.4
22.5°	532.3	532.7	528.6	520.5	517.8	521.2	*522.1*	521.2	516.5	502.6	485.7
25°	529.2	529.0	524.7	516.5	518.8	525.9	*527.1*	527.5	524.3	512.2	497.5
27.5°	544.2	543.2	535.0	521.8	523.3	531.9	*533.5*	537.4	535.4	524.8	511.0
30°	587.3	585.7	568.9	542.3	535.0	539.4	*541.5*	547.6	548.0	539.2	528.8
32.5°	660.1	658.1	628.0	580.4	554.8	547.1	*549.0*	558.3	563.2	556.4	545.2
35°	752.2	749.9	710.4	645.3	587.8	561.8	*563.1*	570.5	580.4	570.8	556.0
37.5°	848.1	842.6	804.6	721.7	640.4	593.1	*593.1*	594.0	598.7	578.6	568.6
40°	943.6	938.1	903.7	811.5	708.4	642.4	*639.3*	618.5	614.7	597.4	594.0
42.5°	1032.3	1030.7	1010.4	912.9	788.2	690.9	*686.6*	651.3	652.1	641.3	641.5
45°	1126.6	1126.6	1110.1	1015.3	881.2	768.9	*764.6*	712.5	720.6	715.6	727.6
47.5°	1203.6	1206.0	1203.7	1122.0	989.4	867.9	*860.1*	797.5	820.1	837.1	871.9
50°	1282.2	1286.0	1286.4	1239.1	1120.2	985.6	*976.8*	910.2	960.6	1009.6	1078.0
52.5°	1396.3	1404.8	1371.1	1355.9	1280.4	1125.4	*1116.7*	1055.2	1139.4	1208.0	1325.9
55°	1502.1	1494.7	1470.6	1480.1	1451.8	1284.5	*1277.9*	1224.0	1338.5	1427.8	1580.9
57.5°	1559.3	1558.8	1583.0	1623.3	1636.8	1480.7	*1475.2*	1422.8	1563.1	1630.2	1820.2
60°	1626.5	1627.5	1687.4	1778.9	1834.3	1725.1	*1722.6*	1682.9	1781.2	1819.1	2007.9
62.5°	1636.0	1652.9	1756.1	1913.6	2019.2	2010.5	*2015.9*	1917.1	1976.4	1969.9	2148.1
65°	1527.8	1550.1	1736.9	1954.3	2203.1	2322.7	*2327.7*	2152.7	2130.2	2098.8	2198.2
67.5°	1306.0	1339.1	1542.0	1865.8	2263.7	2553.4	*2560.4*	2335.3	2257.9	2142.5	2077.6
70°	*950.4*	*987.1*	*1191.4*	*1593.5*	*2155.6*	*2627.2*	*2635.2*	*2416.1*	*2262.8*	*2018.2*	*1773.6*
72.5°	574.1	602.9	771.3	1173.1	1819.4	2492.8	*2506.9*	2313.7	2065.9	1709.5	1309.6
75°	252.1	270.9	372.9	676.0	1302.5	2062.5	*2080.1*	1980.4	1678.6	1242.3	774.1
77.5°	107.4	112.8	152.9	293.6	736.3	1409.4	*1433.6*	1447.0	1138.8	676.0	327.1
80°	66.9	69.1	86.5	132.9	344.6	791.6	*817.6*	851.4	565.5	248.5	114.2
82.5°	40.7	43.1	57.5	80.4	179.4	358.8	*371.3*	395.1	219.5	107.4	59.1
85°	24.5	26.2	35.2	50.8	102.1	141.1	*141.0*	155.9	103.3	69.1	31.2
87.5°	11.7	13.0	18.8	26.3	51.5	53.0	*49.6*	56.2	62.8	45.3	15.7
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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REPORT NUMBER: P385621
CATALOG NUMBER: GPC-SA1A-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1
2.5°	399.8	399.3	397.5	396.2	395.9	395.1	394.4	394.8	395.4	395.5	395.5
5°	399.7	398.2	395.9	395.0	396.2	397.8	399.8	402.5	404.1	405.3	406.1
7.5°	406.1	403.3	400.8	400.2	402.6	406.9	411.5	417.2	421.0	423.7	424.3
10°	416.9	413.4	410.8	411.4	415.7	421.9	428.3	435.6	441.5	445.1	445.4
12.5°	429.2	425.9	423.5	425.8	432.9	440.4	447.1	453.4	458.8	462.4	462.4
15°	443.5	441.1	438.3	443.5	453.2	459.9	462.7	465.8	468.8	471.4	470.9
17.5°	457.2	454.9	453.4	459.6	469.7	472.8	470.9	468.6	468.6	470.1	470.4
20°	469.0	467.0	468.0	474.0	479.2	476.0	469.0	461.8	458.8	459.6	460.4
22.5°	479.4	478.4	481.3	484.1	480.3	469.0	456.1	446.3	442.7	442.4	442.7
25°	491.5	491.3	494.8	489.7	473.1	452.2	434.9	425.4	423.3	424.9	427.6
27.5°	506.5	508.0	509.7	491.1	458.3	426.8	409.2	402.6	404.7	408.6	411.1
30°	525.7	529.8	526.0	487.7	437.0	397.8	381.0	379.1	384.6	390.1	392.8
32.5°	544.4	550.7	541.6	479.0	409.6	367.0	354.0	353.5	360.2	365.5	369.3
35°	559.5	572.0	553.3	461.6	377.9	338.7	329.1	325.5	327.9	334.2	338.5
37.5°	579.1	599.9	561.4	435.2	343.5	315.3	304.1	295.8	293.6	296.2	298.3
40°	615.0	642.5	565.1	398.2	309.9	291.9	280.6	268.4	259.9	253.7	253.9
42.5°	673.6	698.0	562.7	353.3	278.9	269.1	256.3	242.2	228.5	214.5	213.4
45°	768.7	780.5	555.4	305.7	251.6	245.1	233.2	219.1	200.8	184.9	183.4
47.5°	921.0	894.8	544.2	264.2	227.5	224.8	213.8	197.6	178.2	165.4	164.4
50°	1128.6	1059.7	538.6	231.2	206.3	207.1	198.1	180.9	162.6	153.2	152.1
52.5°	1377.0	1251.7	549.3	205.6	189.2	192.0	185.3	169.2	153.9	146.5	145.4
55°	1634.6	1450.6	560.7	187.1	173.1	178.6	176.3	163.0	149.2	142.3	141.4
57.5°	1855.1	1599.1	537.8	172.0	158.7	167.3	169.3	159.1	146.8	140.6	139.5
60°	1994.0	1658.9	477.9	157.9	147.3	158.3	165.3	158.0	147.7	147.2	146.4
62.5°	2059.8	1653.7	388.0	146.8	140.2	154.4	168.3	164.1	158.4	163.3	163.7
65°	2030.3	1574.7	288.9	139.4	135.1	155.9	177.1	175.5	161.5	166.4	167.0
67.5°	1835.7	1386.1	214.0	132.9	129.4	160.1	193.3	179.3	155.5	159.0	156.8
70°	*1483.7*	*1098.9*	*165.0*	*125.7*	*123.6*	*159.5*	*200.5*	*177.0*	*148.9*	*149.7*	*143.9*
72.5°	1023.1	749.4	134.3	118.9	115.3	145.4	195.4	171.3	143.4	137.2	129.6
75°	556.4	402.2	114.1	111.9	100.7	127.7	186.0	167.3	138.4	130.2	125.9
77.5°	218.9	166.9	99.0	102.4	88.0	112.8	175.5	159.7	131.6	120.8	118.7
80°	89.4	85.2	82.1	88.6	75.7	98.6	162.9	150.7	123.4	112.1	107.8
82.5°	50.7	53.0	63.8	69.9	61.4	90.8	156.8	143.4	113.6	100.4	95.3
85°	25.9	31.0	44.5	50.1	45.2	77.3	144.5	125.5	91.1	76.9	77.3
87.5°	12.5	17.3	28.1	31.4	29.3	55.9	107.9	91.0	71.0	56.2	54.4
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

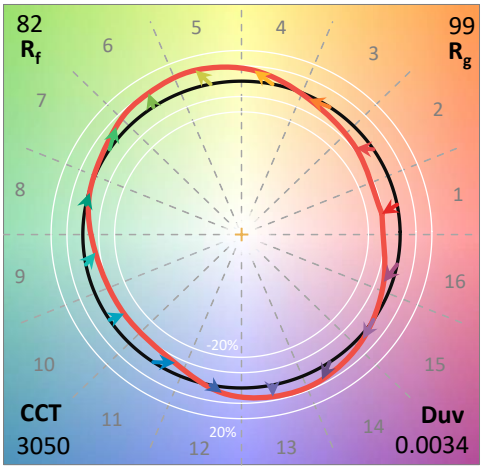
Test Information

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

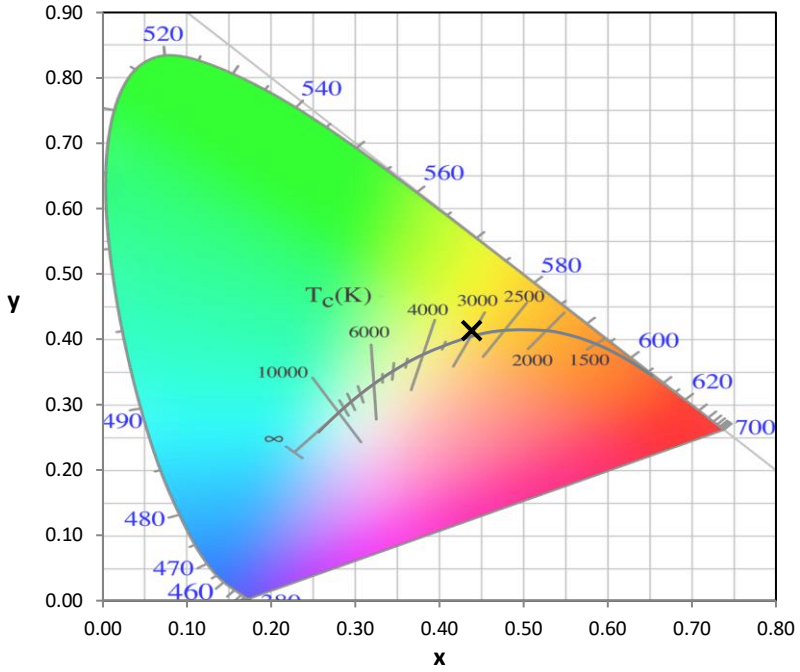
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

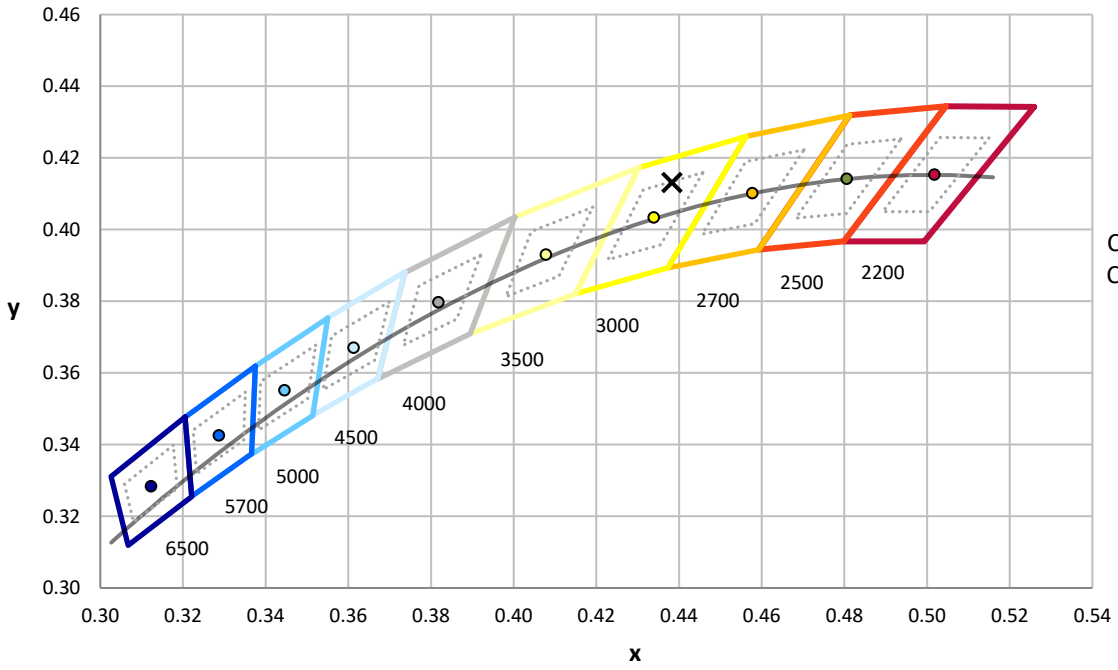
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

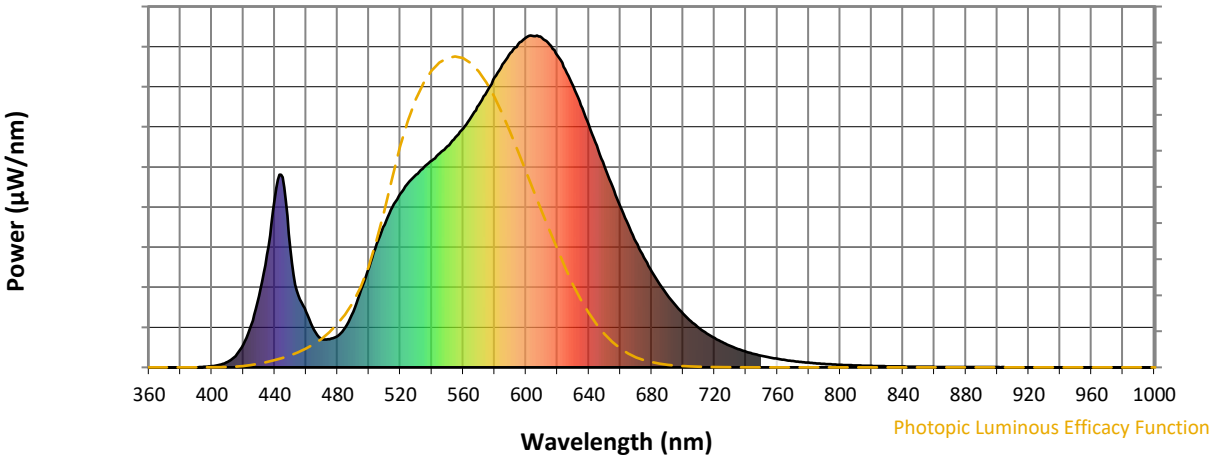


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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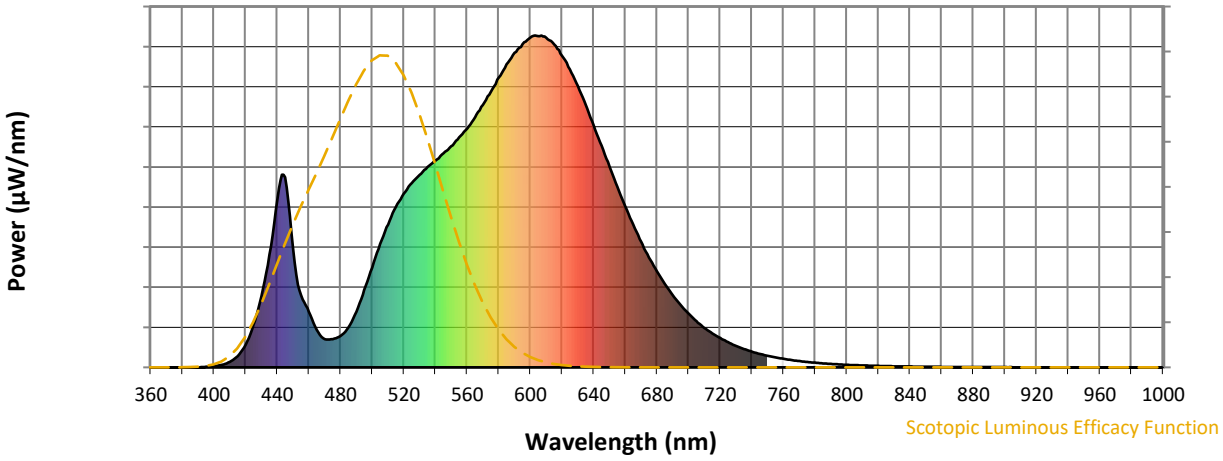
Scotopic Flux vs. Wavelength



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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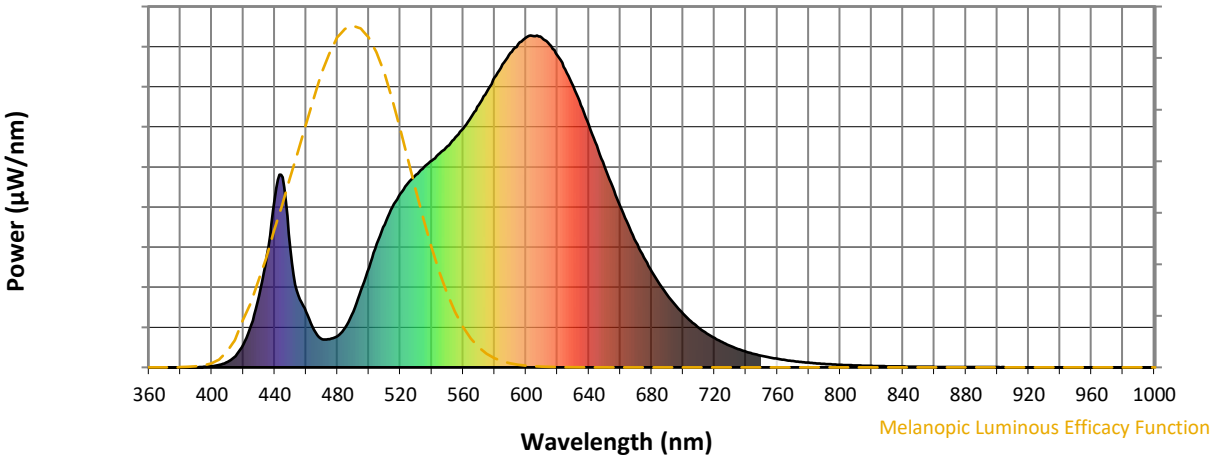
Melanopic Flux vs. Wavelength



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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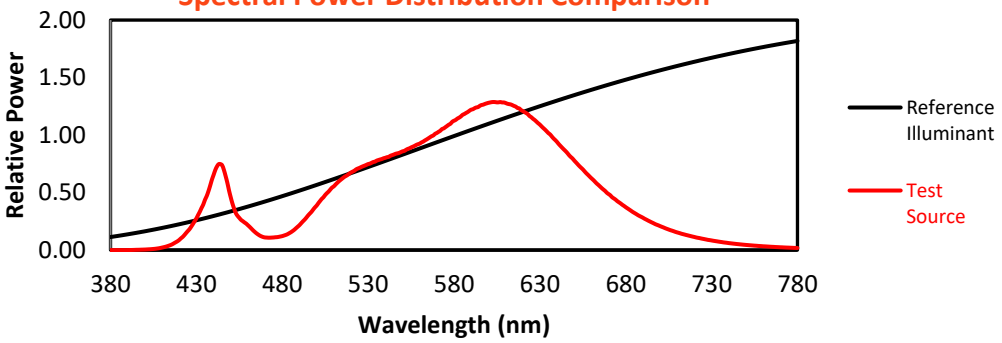
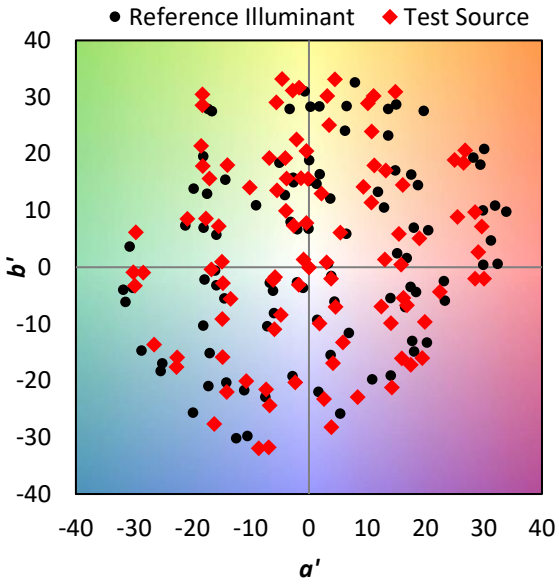
Summary

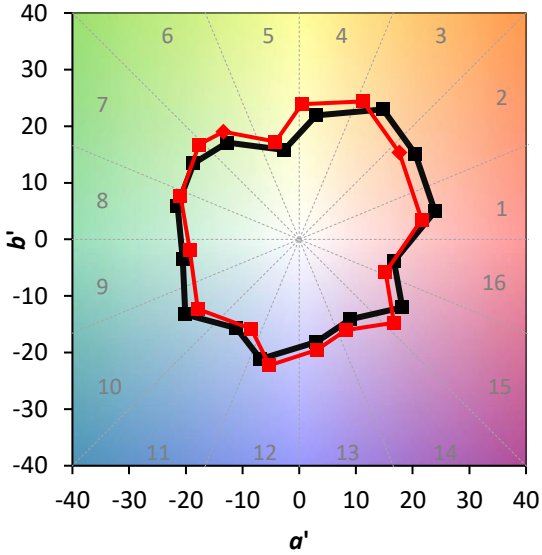
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

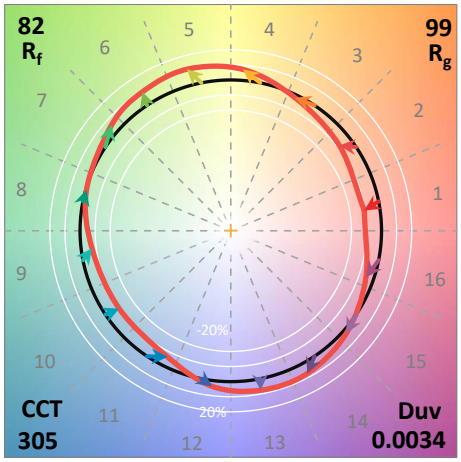
Spectral Power Distribution Comparison

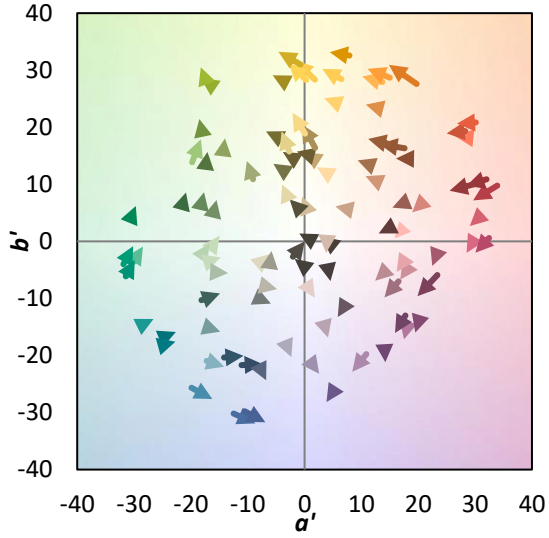


Color Vector Graphics









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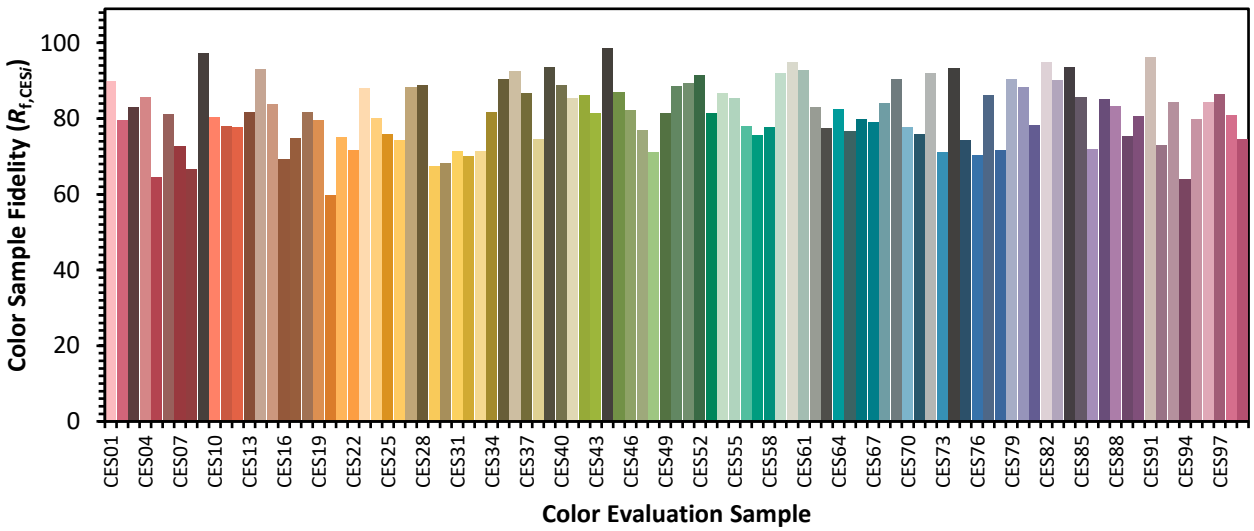
Individual Sample Fidelity Index ($R_{f,i}$)

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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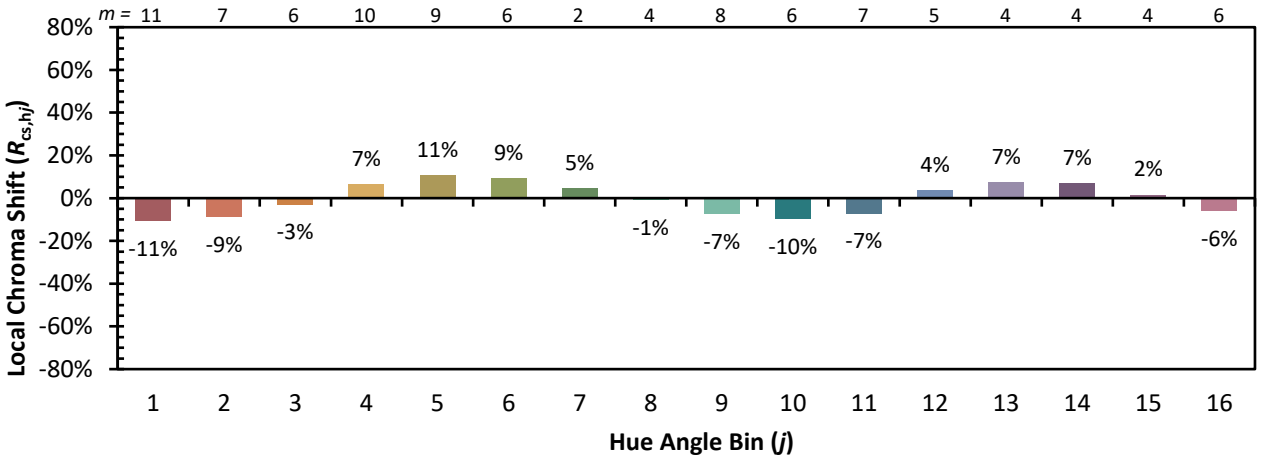
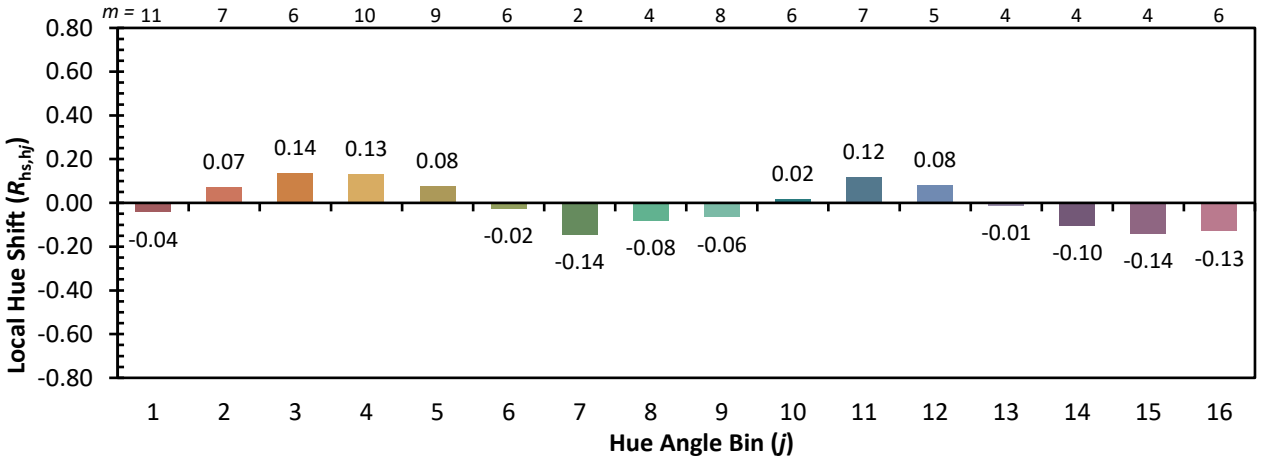
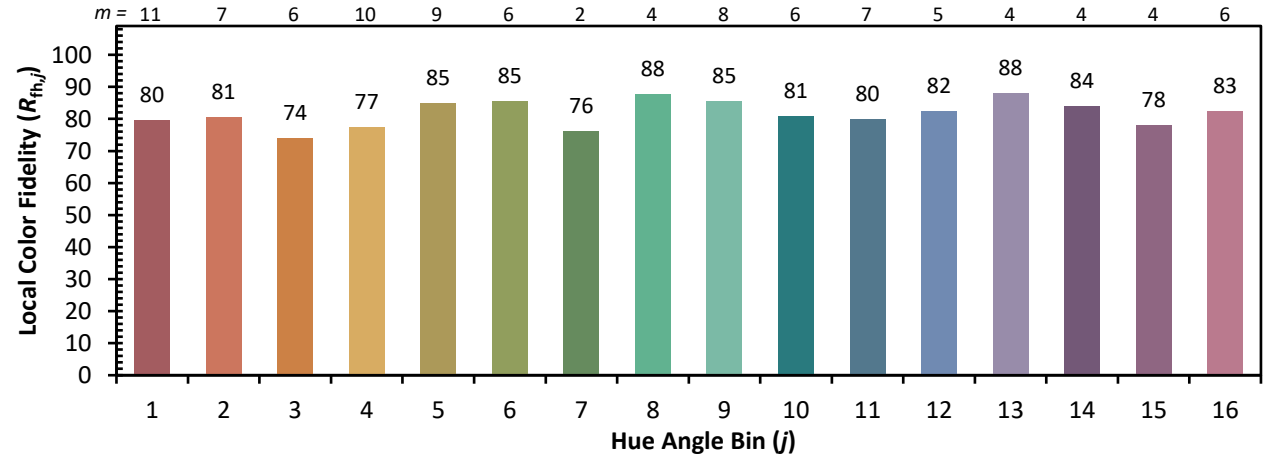
Color Rendition by Hue-Angle Bin







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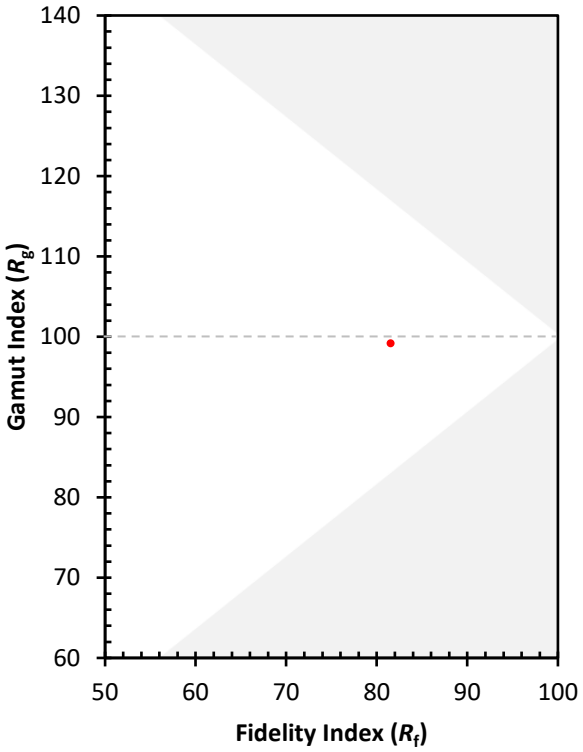
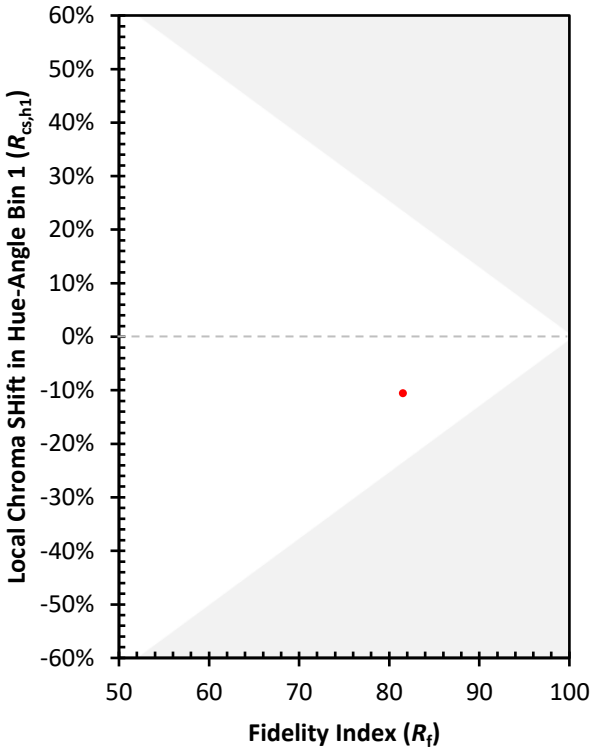
Measure Comparisons





(END OF REPORT)