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: P385615

Luminaire Tested: **GPC-SA1A-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:	P385615
	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-SA1A-830-U-T3
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3956 lumens
Efficiency:	N/A
Efficacy:	116.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - 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: P385615
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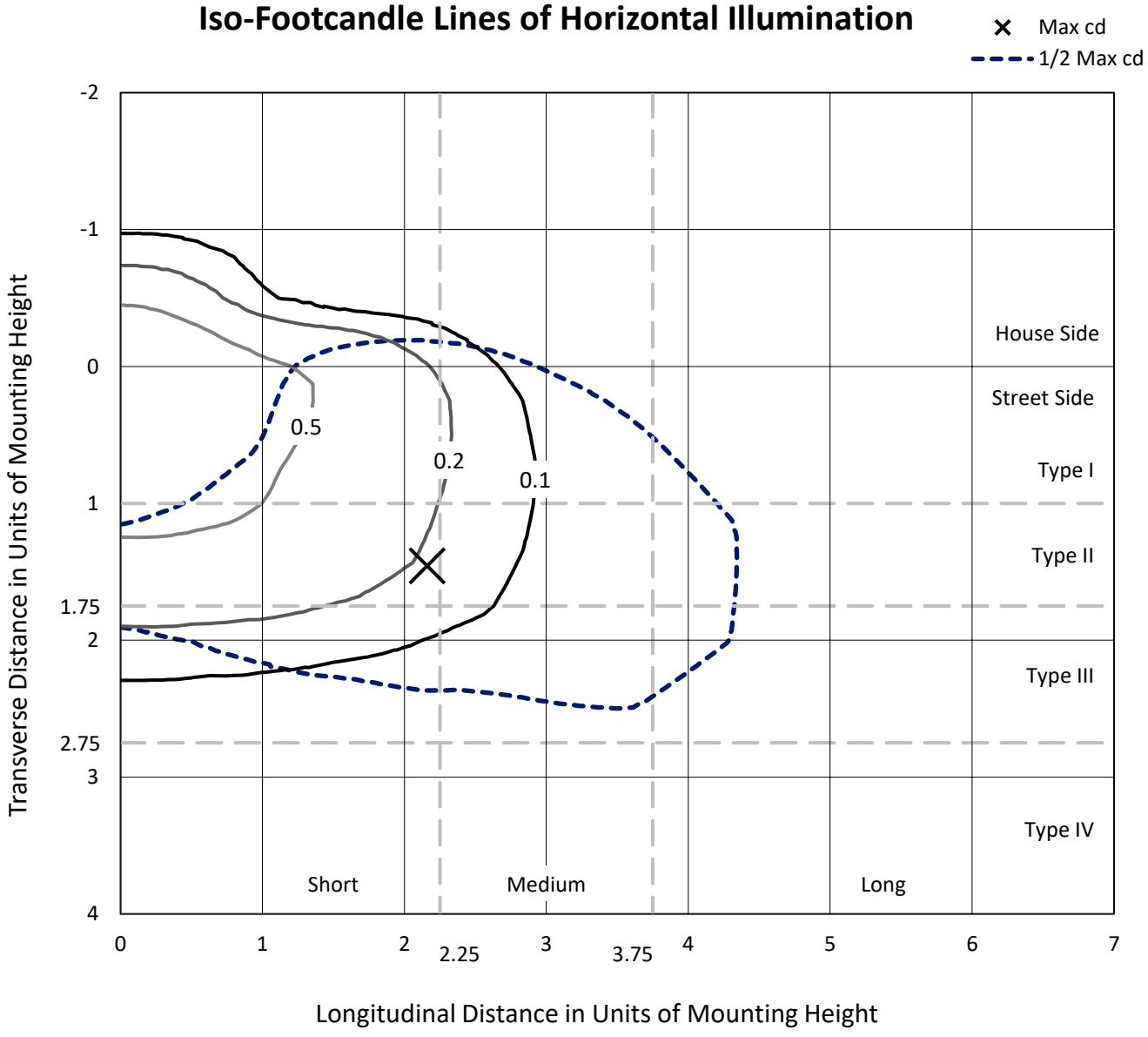
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type III - Short - N/A

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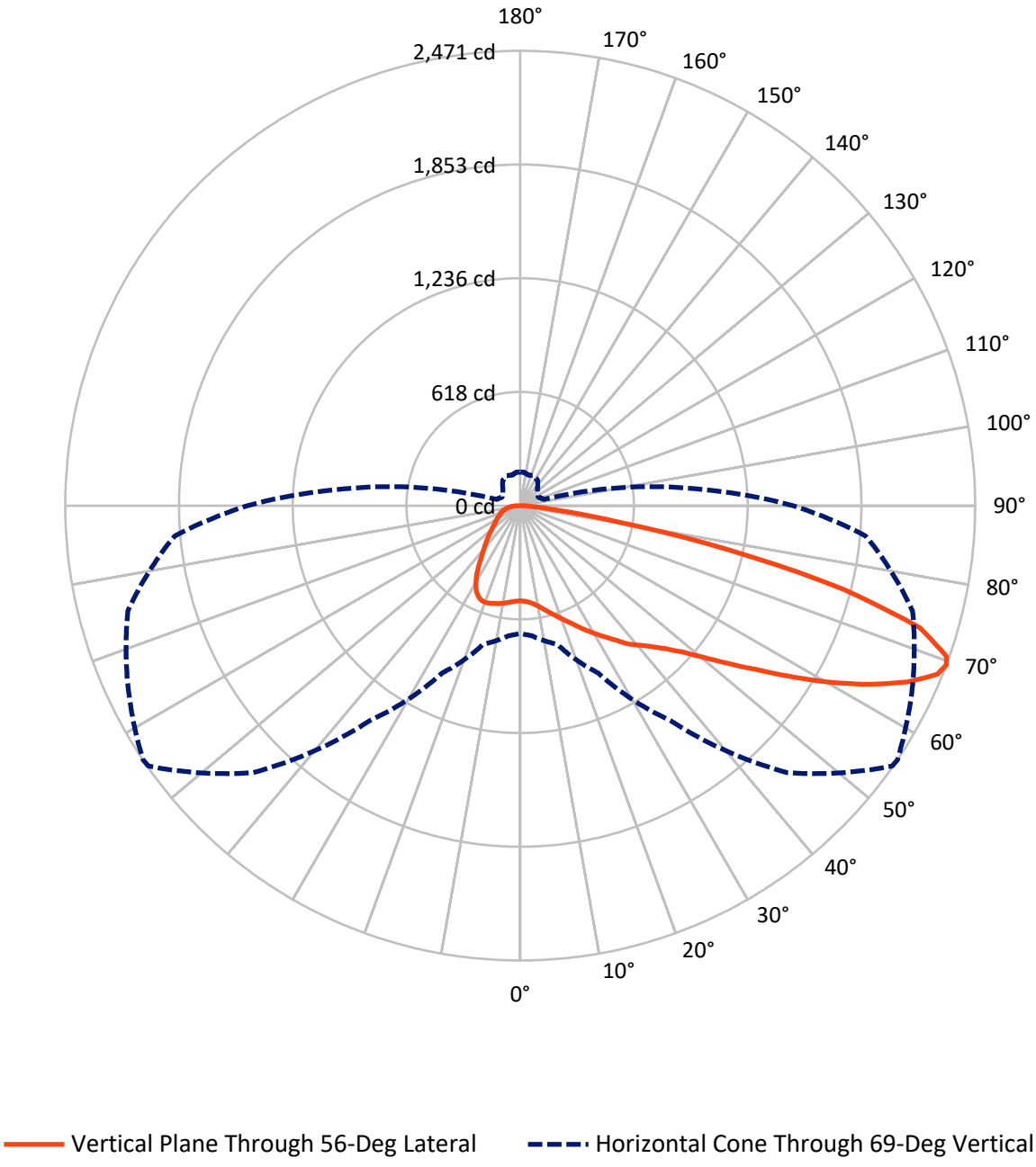
Luminous Intensity Polar Plot



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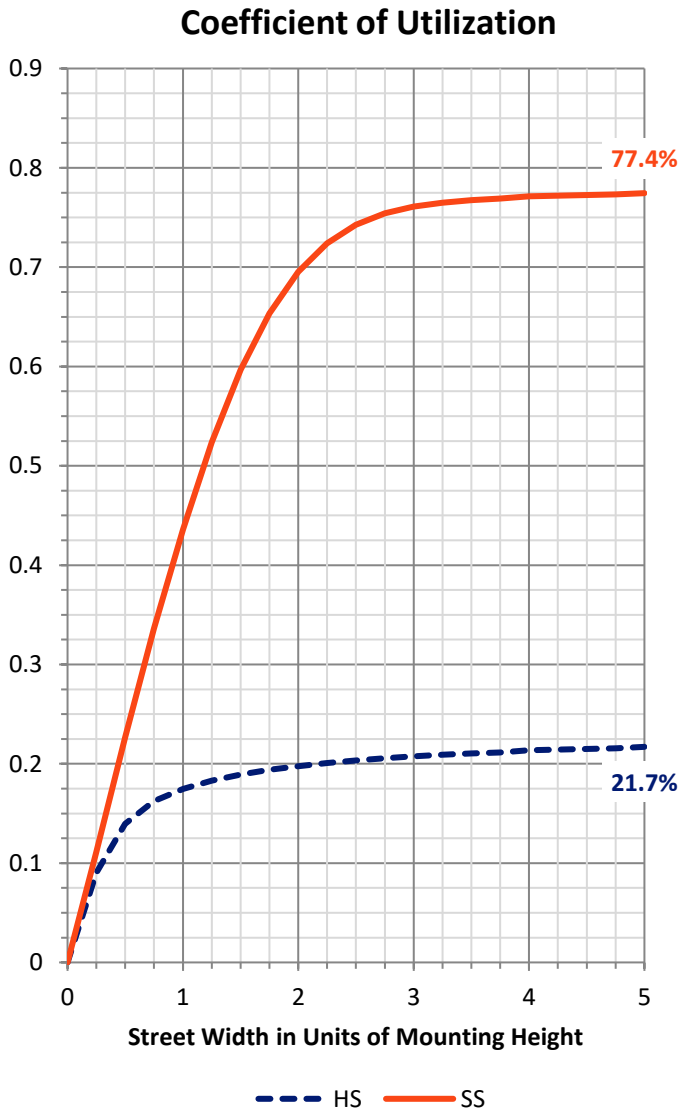
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	881.0	0.0	881.0
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	3075.0	0.0	3075.0
	% Fixture	77.7	0.0	77.7
Total	Lumens	3956.0	0.0	3956.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	1.3
10°-20°	163.3	4.1
20°-30°	285.1	7.2
30°-40°	409.6	10.4
40°-50°	566.8	14.3
50°-60°	830.5	21.0
60°-70°	1012.5	25.6
70°-80°	559.8	14.2
80°-90°	77.5	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°	3956.0	100.0
0°-180°	3956.0	100.0



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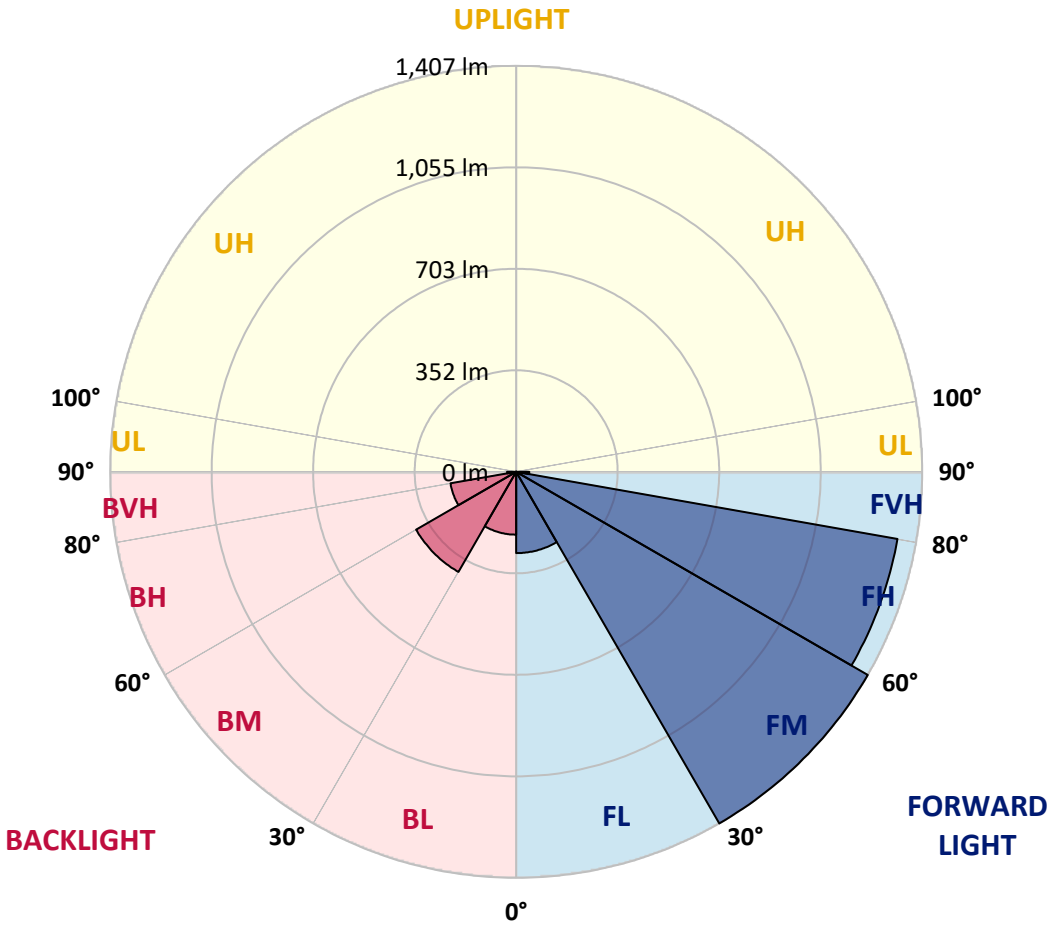
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	281.5	7.1			
FM	(30°-60°)	1406.5	35.6			
FH	(60°-80°)	1341.3	33.9			G1/1800
FVH	(80°-90°)	45.7	1.2			G1/100
BL	(0°-30°)	217.7	5.5	B1/500		
BM	(30°-60°)	400.4	10.1	B1/1000		
BH	(60°-80°)	231.0	5.8	B1/500		G1/500
BVH	(80°-90°)	31.9	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-G1
Type III Short



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Scaled Data Report

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	*517.2*	517.2	517.2	517.2
2.5°	520.5	521.0	520.6	521.7	520.5	521.3	520.6	*520.6*	520.2	519.0	517.6
5°	528.6	529.7	529.0	530.1	528.6	528.9	527.7	*527.7*	526.5	523.9	521.1
7.5°	541.4	542.7	542.1	543.2	541.2	541.2	539.5	*539.4*	536.9	532.7	529.6
10°	556.7	558.3	557.8	559.4	557.8	558.3	556.7	*556.7*	553.4	547.4	543.5
12.5°	578.9	581.0	579.5	579.3	578.7	579.7	578.4	*578.1*	575.1	566.9	561.5
15°	608.6	610.8	607.7	607.4	603.6	603.2	603.2	*602.8*	600.9	591.1	582.1
17.5°	642.8	643.5	640.8	636.4	631.5	628.4	628.0	*629.1*	629.1	617.6	603.3
20°	676.4	677.6	675.4	670.5	664.2	659.6	656.3	*658.5*	658.4	644.7	624.4
22.5°	712.9	715.7	712.5	706.2	698.9	693.7	687.9	*689.9*	690.0	673.2	645.2
25°	760.2	757.6	755.5	746.7	736.2	730.9	725.6	*727.5*	726.9	703.9	666.6
27.5°	802.0	802.6	799.8	790.4	778.3	766.6	766.3	*767.5*	765.5	735.8	686.7
30°	850.7	850.9	847.1	838.7	825.5	810.3	806.8	*808.8*	804.5	766.0	708.0
32.5°	899.0	900.4	896.2	886.0	875.3	856.9	849.9	*851.2*	840.3	797.0	729.9
35°	941.4	943.3	942.0	935.2	923.6	907.8	899.3	*898.5*	885.0	834.9	759.0
37.5°	984.6	986.4	984.9	979.2	974.5	957.8	953.3	*953.3*	929.8	873.6	795.9
40°	1029.1	1031.8	1030.0	1022.1	1018.2	1010.5	999.8	*997.2*	971.8	920.0	856.1
42.5°	1070.4	1073.9	1081.0	1076.3	1068.3	1069.4	1047.7	*1046.4*	1027.8	988.7	931.8
45°	1129.0	1134.1	1146.1	1142.6	1140.9	1135.0	1109.2	*1108.0*	1100.9	1081.1	1025.7
47.5°	1192.9	1200.0	1221.6	1222.3	1239.9	1228.6	1193.6	*1189.3*	1191.0	1191.8	1140.3
50°	1251.7	1259.5	1295.1	1311.8	1353.3	1355.7	1299.7	*1295.9*	1302.3	1321.1	1273.8
52.5°	1298.8	1308.6	1353.0	1404.8	1475.8	1496.0	1430.4	*1427.5*	1432.3	1464.8	1424.8
55°	1333.2	1343.9	1392.2	1486.6	1599.9	1635.5	1580.9	*1578.1*	1581.1	1622.4	1589.0
57.5°	1341.3	1343.9	1414.1	1541.6	1704.7	1790.2	1765.0	*1759.5*	1744.8	1780.8	1770.3
60°	1303.5	1313.9	1396.1	1561.0	1785.8	1942.7	1957.4	*1950.6*	1909.3	1938.7	1930.3
62.5°	1226.9	1245.5	1328.9	1531.5	1817.6	2067.3	2146.2	*2138.0*	2066.8	2085.9	2045.3
65°	1101.8	1109.7	1197.4	1430.0	1777.2	2147.0	2314.5	*2310.4*	2220.8	2191.0	2066.6
67.5°	878.1	892.9	967.3	1217.8	1612.2	2137.6	2444.6	*2444.2*	2321.4	2230.0	1991.2
69°	*693.7*	*709.1*	*779.9*	*1003.2*	*1426.6*	*2051.6*	*2466.4*	*2471.2*	*2349.8*	*2206.3*	*1883.5*
70°	553.0	570.9	619.5	844.9	1261.8	1938.2	2448.3	*2456.9*	2344.3	2167.1	1784.2
72.5°	235.4	249.8	284.4	435.6	769.0	1447.3	2238.6	*2271.0*	2218.0	1983.4	1474.6
75°	102.8	107.3	122.9	177.6	341.4	787.7	1753.7	*1813.6*	1896.5	1676.5	1098.4
77.5°	75.2	77.1	85.7	104.3	153.2	297.5	1127.7	*1162.6*	1367.7	1220.0	673.8
80°	58.2	59.6	66.2	76.6	100.0	120.3	514.3	*544.3*	769.0	626.6	280.6
82.5°	46.3	47.3	51.9	56.4	69.1	72.9	170.8	*189.4*	283.9	173.1	74.3
85°	43.1	44.2	45.8	41.2	44.3	42.8	73.9	*77.3*	85.7	68.0	31.1
87.5°	19.5	23.0	45.4	32.0	23.6	18.8	30.3	*31.6*	35.6	35.7	13.8
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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CATALOG NUMBER: GPC-SA1A-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2
2.5°	518.4	518.0	518.7	517.1	519.1	519.0	518.3	518.6	519.9	519.8	519.9
5°	521.5	521.3	522.1	520.9	523.3	524.1	524.3	525.5	527.0	527.4	527.4
7.5°	529.5	529.5	529.9	528.2	529.9	529.7	529.0	530.3	531.8	531.9	531.8
10°	543.1	543.2	542.5	538.3	536.9	533.3	529.9	530.0	531.9	533.4	533.8
12.5°	560.3	559.7	556.7	548.9	543.2	535.7	532.2	532.0	534.0	535.2	535.6
15°	579.9	578.4	570.6	557.9	547.9	540.5	534.8	533.4	532.3	531.0	531.1
17.5°	598.4	595.0	582.1	564.5	553.8	544.0	533.0	524.1	518.0	514.5	513.4
20°	617.2	610.5	591.9	570.6	557.1	539.3	518.0	500.0	488.8	483.7	482.7
22.5°	634.4	623.6	601.0	577.0	554.5	523.2	489.8	463.6	448.1	441.1	441.7
25°	651.2	636.2	610.5	581.5	541.4	494.8	450.5	418.4	400.4	392.6	392.4
27.5°	665.9	648.8	620.9	577.8	517.1	454.5	404.1	372.7	357.7	351.1	350.0
30°	682.8	664.8	634.7	563.8	481.3	407.9	358.7	336.6	326.0	319.3	318.1
32.5°	703.3	686.4	646.0	538.3	435.7	359.2	323.3	307.9	298.2	290.7	289.3
35°	733.3	715.1	648.8	501.8	385.5	320.8	297.2	281.4	268.3	258.7	257.7
37.5°	770.9	750.9	642.3	454.5	336.9	295.9	275.6	256.1	239.0	225.4	223.2
40°	825.2	794.9	624.2	400.0	301.0	276.7	254.4	232.2	211.1	195.2	192.0
42.5°	890.3	846.6	596.4	345.7	274.7	257.2	233.4	205.9	185.8	174.4	172.8
45°	973.2	900.3	557.8	298.3	248.8	237.7	210.8	185.5	172.9	164.6	163.3
47.5°	1067.8	960.5	517.3	259.8	226.9	219.4	192.7	176.3	166.4	159.9	158.6
50°	1184.0	1028.5	474.4	228.1	204.8	197.5	184.1	171.3	163.4	158.4	157.1
52.5°	1315.1	1105.2	443.5	203.2	186.6	181.3	179.6	168.6	162.2	158.4	157.1
55°	1456.3	1183.3	410.1	182.2	170.8	172.3	176.6	168.9	164.5	159.9	158.1
57.5°	1597.6	1264.0	372.9	164.5	158.2	165.6	174.6	169.4	165.7	161.2	159.6
60°	1709.4	1315.1	315.2	149.6	148.3	158.2	169.7	165.3	160.5	160.7	160.4
62.5°	1761.6	1312.4	251.6	136.4	138.3	148.3	161.8	158.9	155.0	160.3	160.7
65°	1732.3	1247.0	195.8	124.4	127.7	137.9	153.6	155.8	157.1	167.4	168.7
67.5°	1609.3	1119.7	151.7	113.9	118.0	130.8	154.4	169.7	171.4	182.2	182.1
69°	*1482.2*	*1000.3*	*131.8*	*108.5*	*113.2*	*132.6*	*165.0*	*178.5*	*171.9*	*183.3*	*181.7*
70°	1375.6	905.9	121.2	104.8	111.1	135.7	172.1	178.4	169.8	179.6	176.9
72.5°	1059.5	651.7	102.8	98.0	103.7	129.9	174.2	174.4	165.0	166.9	162.3
75°	726.7	411.8	89.7	88.7	92.5	117.1	167.6	166.7	152.6	149.9	146.1
77.5°	400.7	209.2	76.2	79.9	82.5	103.7	152.4	151.0	139.4	133.7	132.3
80°	154.5	91.6	64.3	71.0	72.6	89.8	133.6	132.3	122.7	115.3	113.2
82.5°	58.3	48.0	53.1	61.5	60.9	74.1	113.1	112.4	103.0	92.3	89.0
85°	27.0	28.8	42.1	50.7	46.7	54.9	90.5	91.7	80.3	67.5	67.5
87.5°	11.4	16.1	29.8	38.3	31.5	37.1	66.4	63.4	58.2	40.3	37.9
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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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

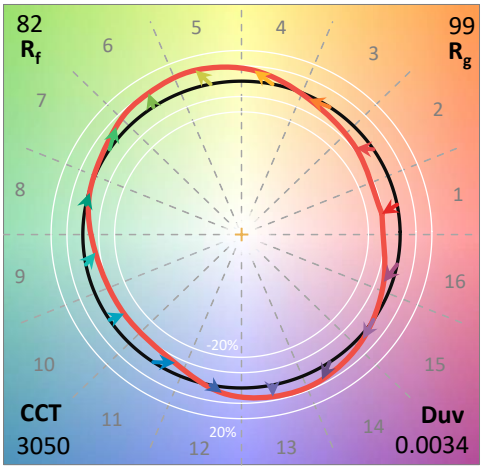
Test Information

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

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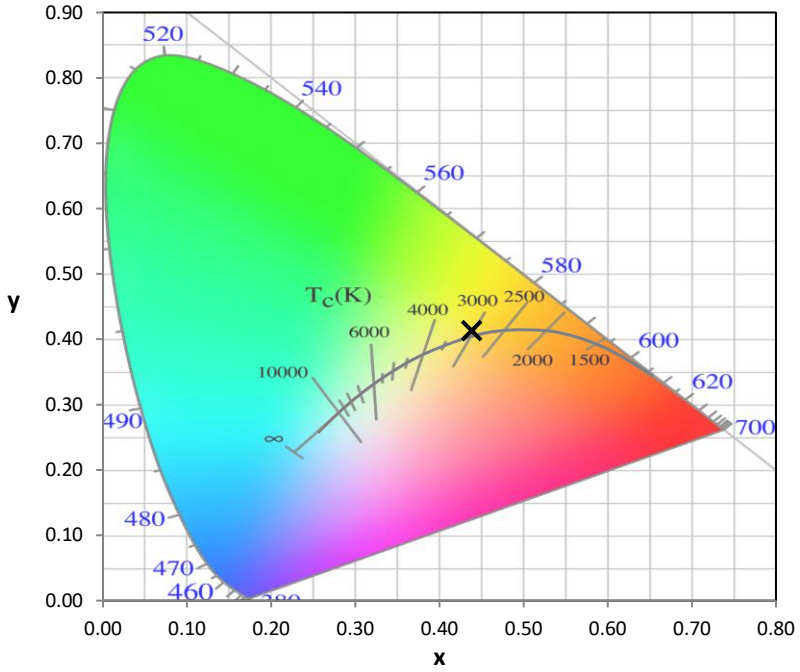
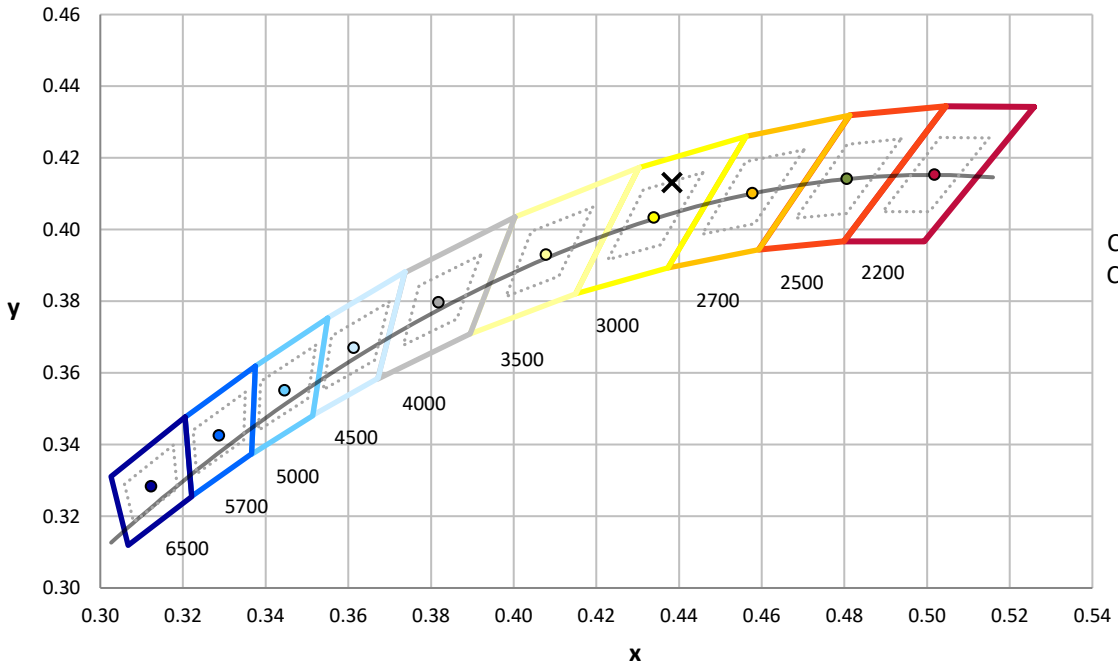
CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

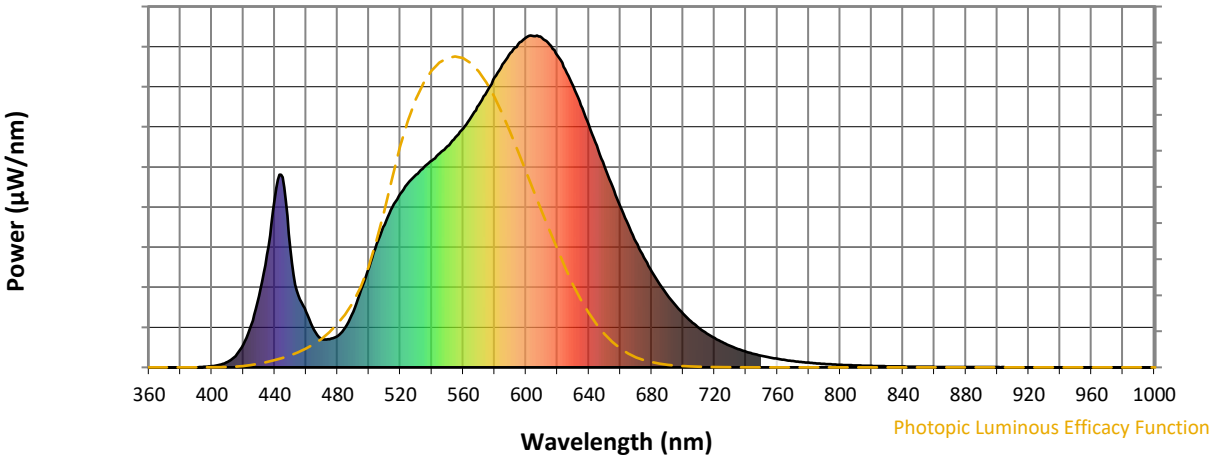


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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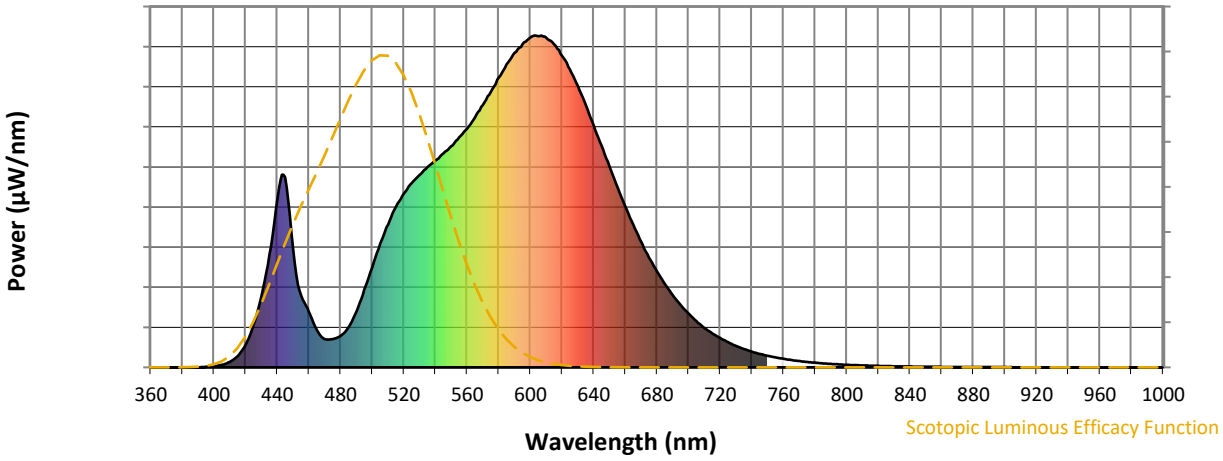
Scotopic Flux vs. Wavelength



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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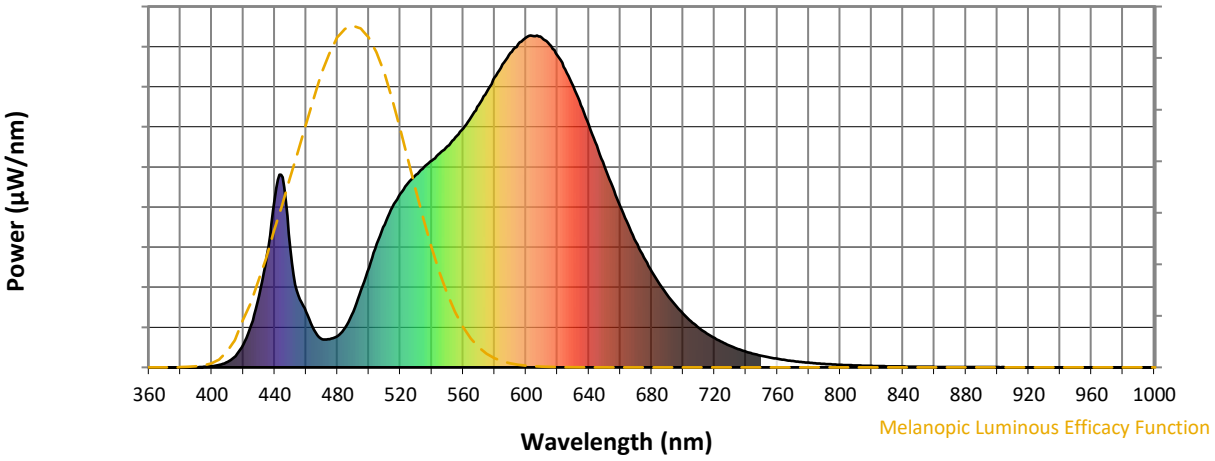
Melanopic Flux vs. Wavelength



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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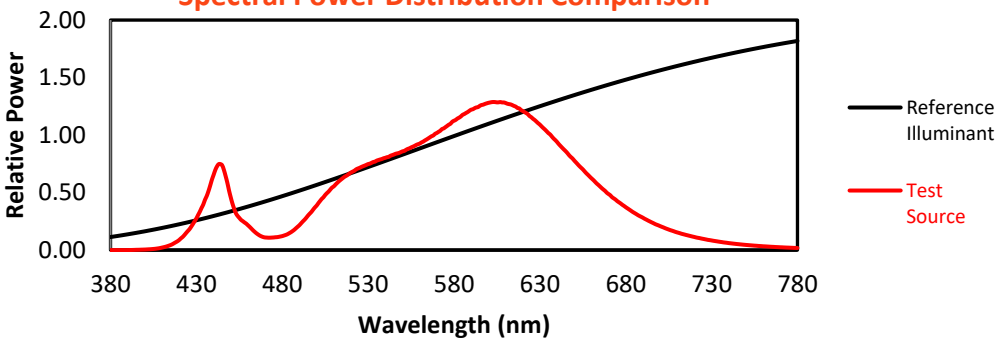
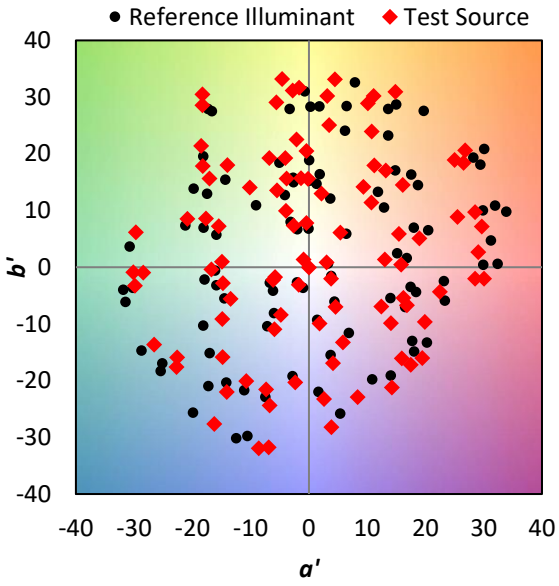
Summary

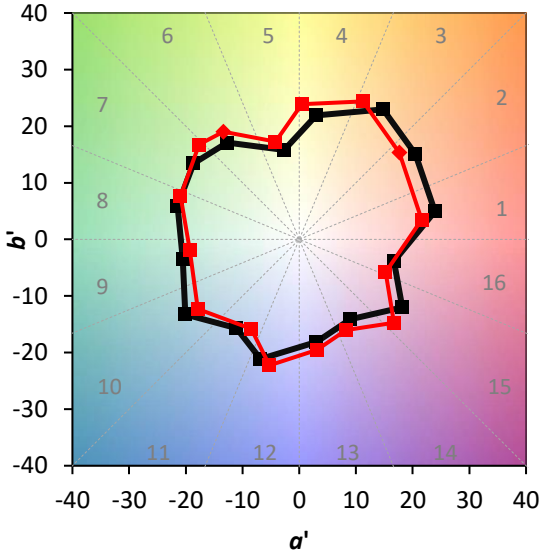
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

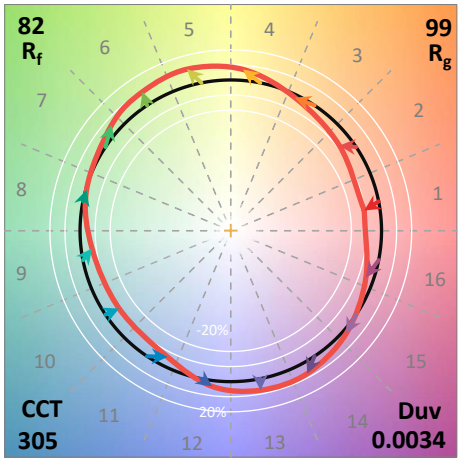
Spectral Power Distribution Comparison

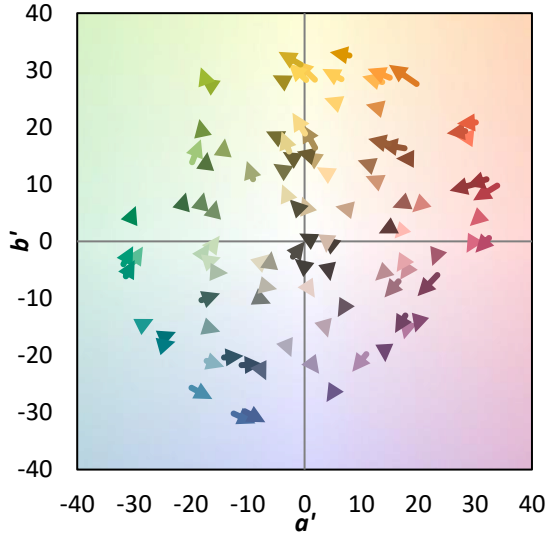


Color Vector Graphics









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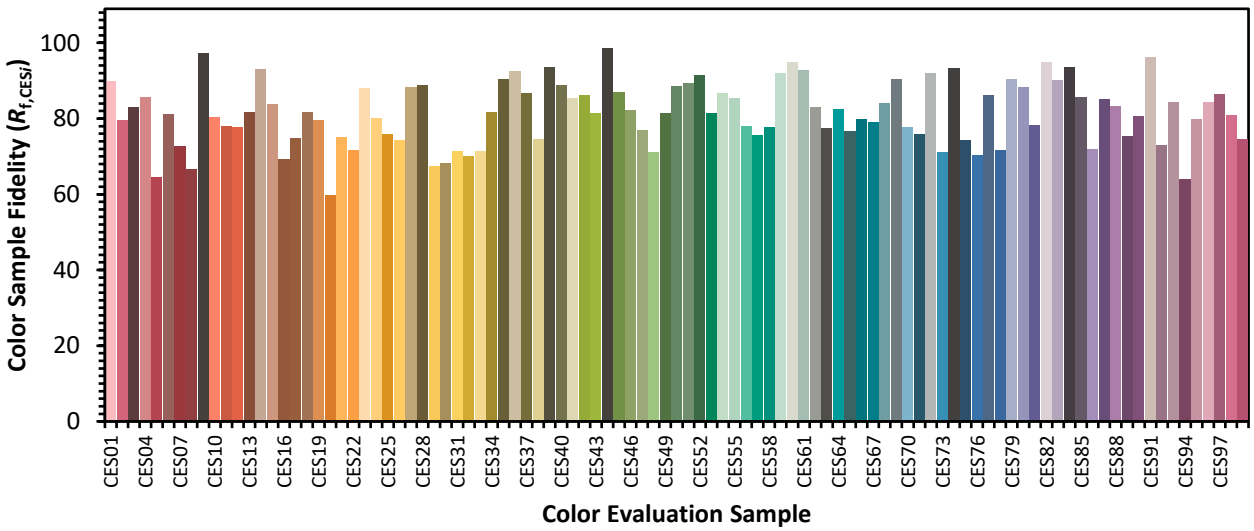
Individual Sample Fidelity Index ($R_{f,i}$)

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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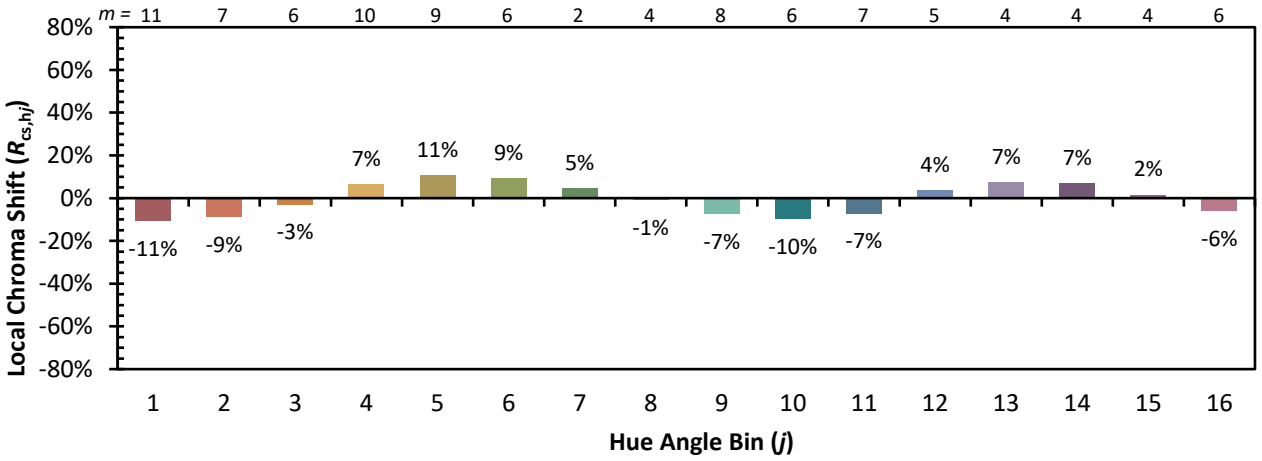
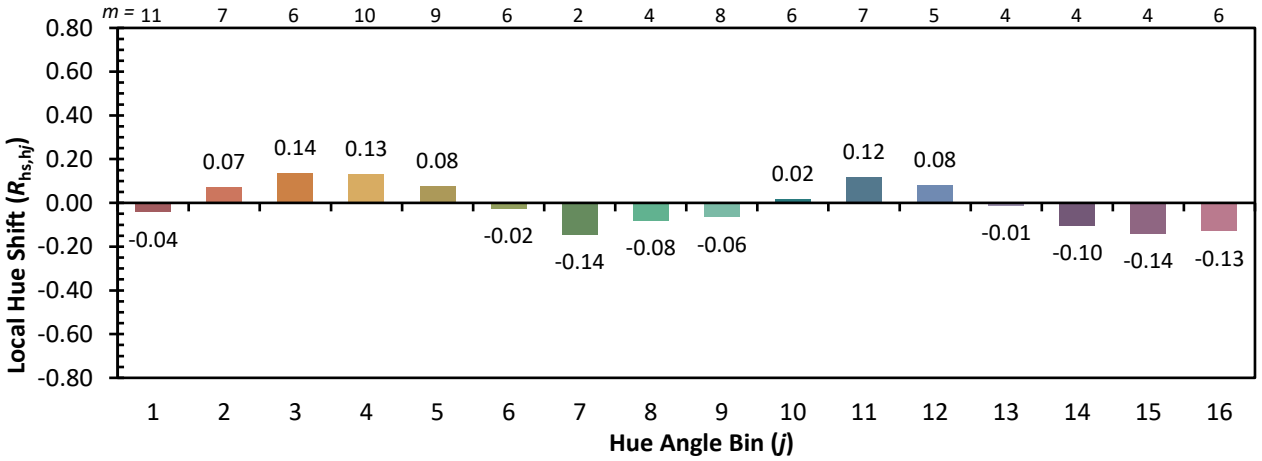
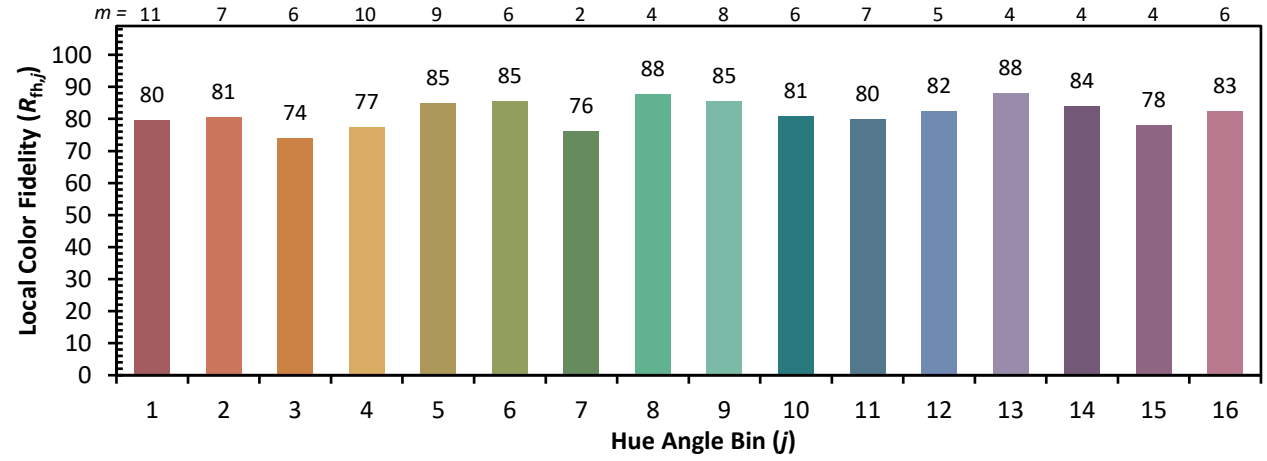
Color Rendition by Hue-Angle Bin







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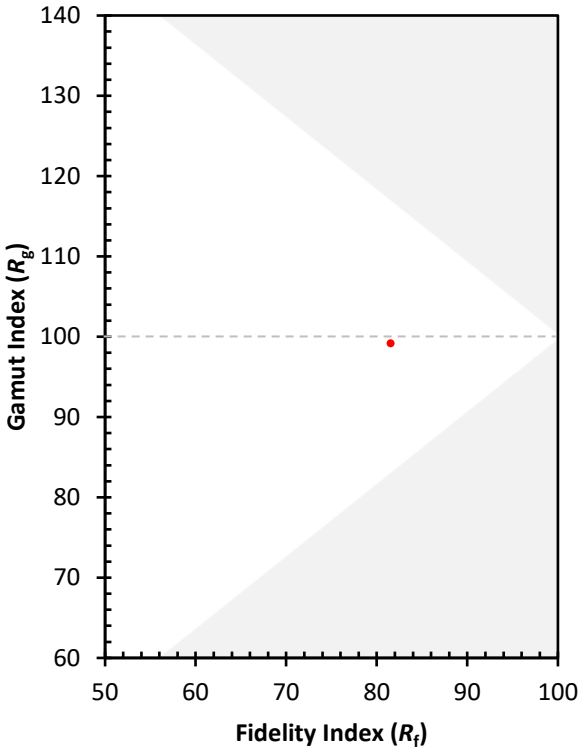
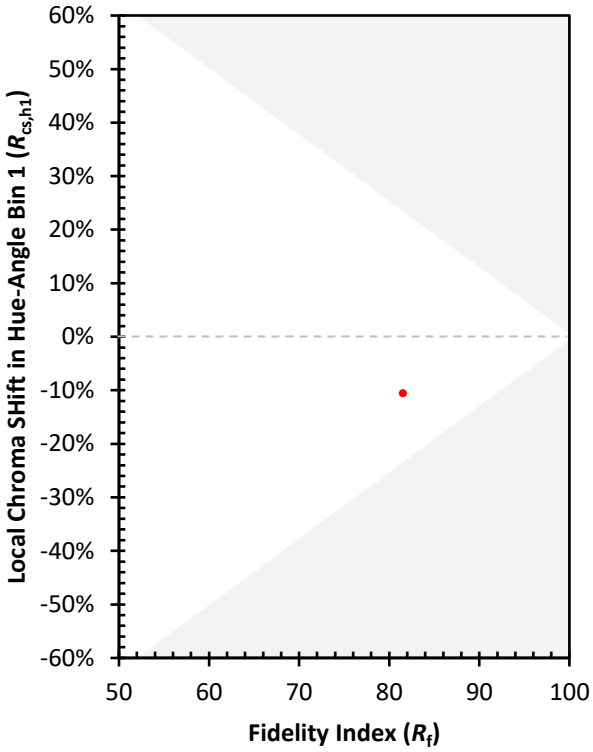
Measure Comparisons





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