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: P386515

Luminaire Tested: **GPC-SA2A-830-U-T4FT**

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:	P386515
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2A-830-U-T4FT
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7774 lumens
Efficiency:	N/A
Efficacy:	117.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G3

Input Watts (W):	66
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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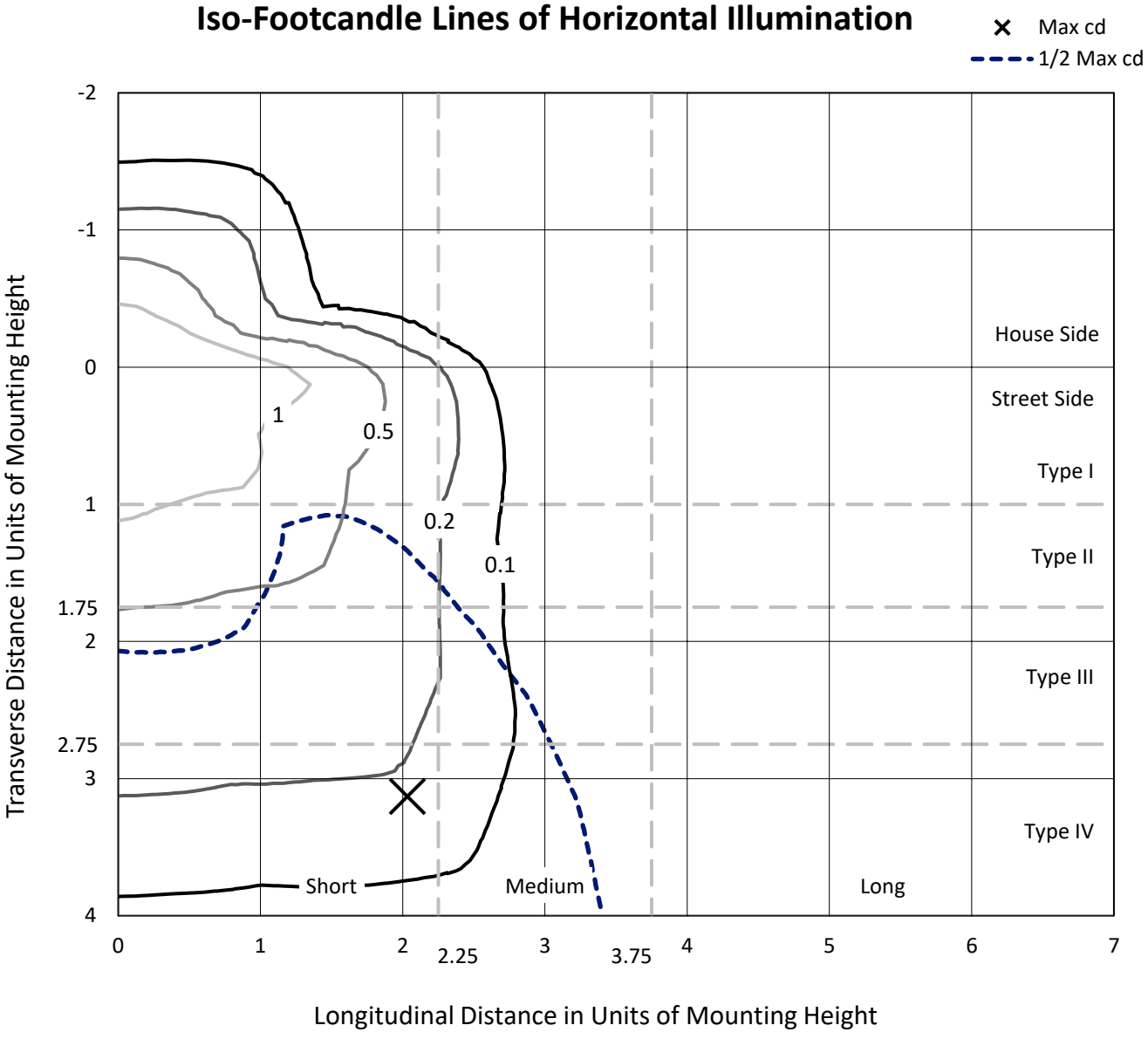
Scaled Data Report

REPORT NUMBER: P386515
CATALOG NUMBER: GPC-SA2A-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Short - N/A

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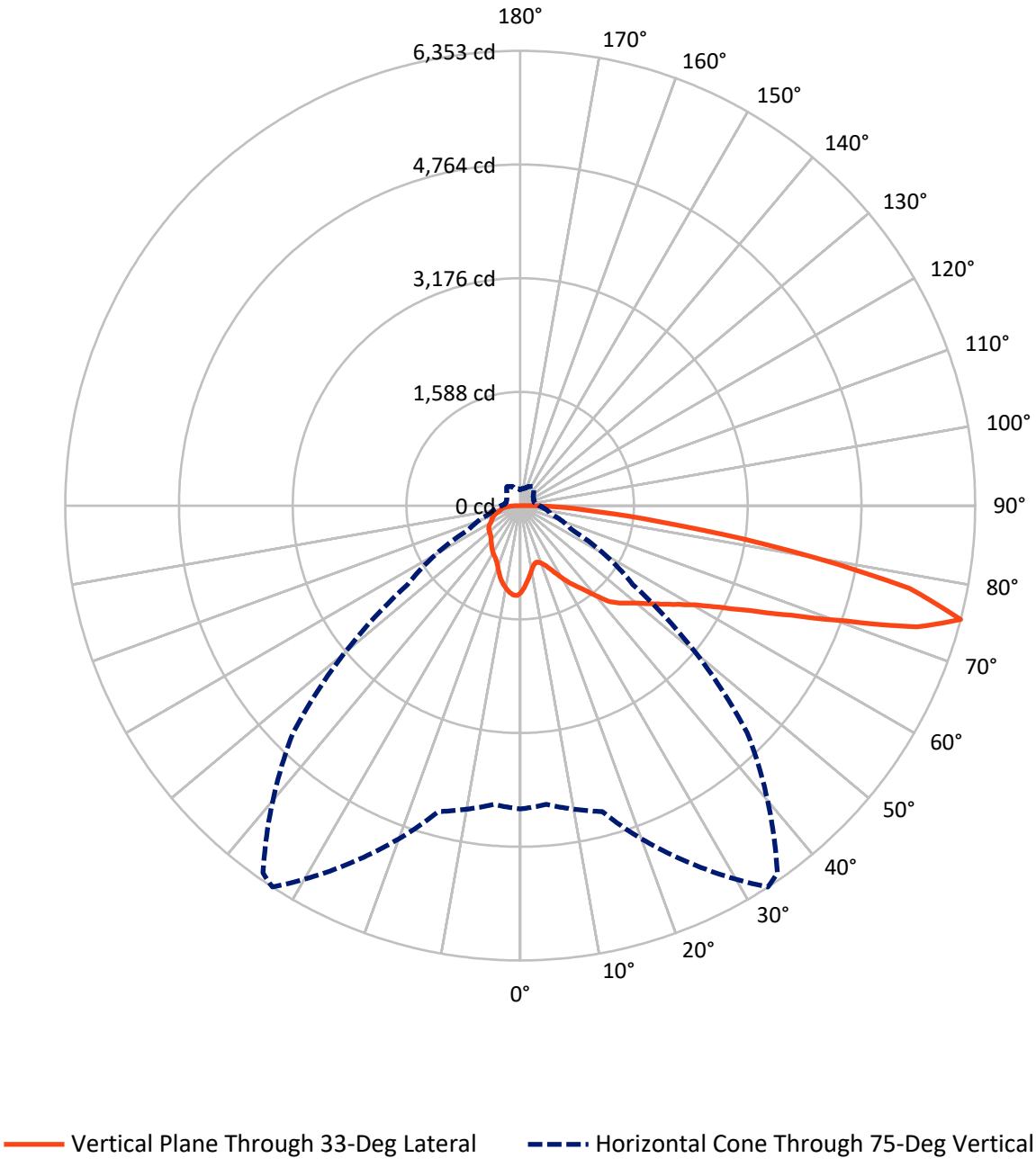
Luminous Intensity Polar Plot



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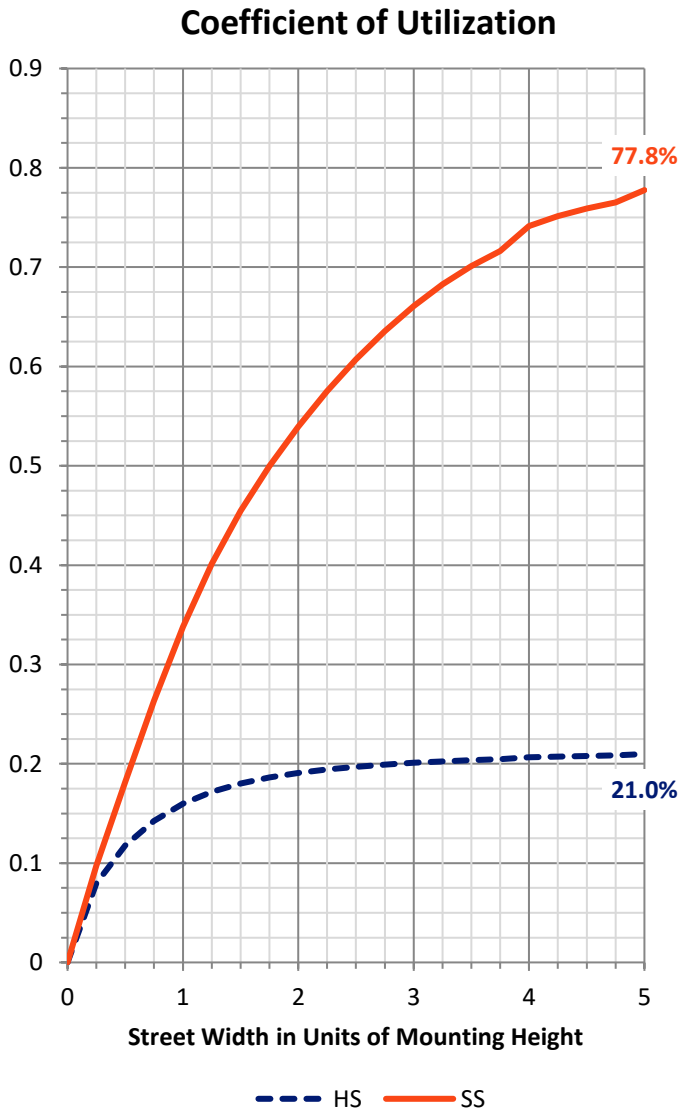
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1669.3	0.0	1669.3
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	6104.7	0.0	6104.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	7774.0	0.0	7774.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	1.4
10°-20°	297.6	3.8
20°-30°	486.1	6.3
30°-40°	723.9	9.3
40°-50°	1038.3	13.4
50°-60°	1425.4	18.3
60°-70°	1784.5	23.0
70°-80°	1614.3	20.8
80°-90°	294.1	3.8
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°	7774.0	100.0
0°-180°	7774.0	100.0



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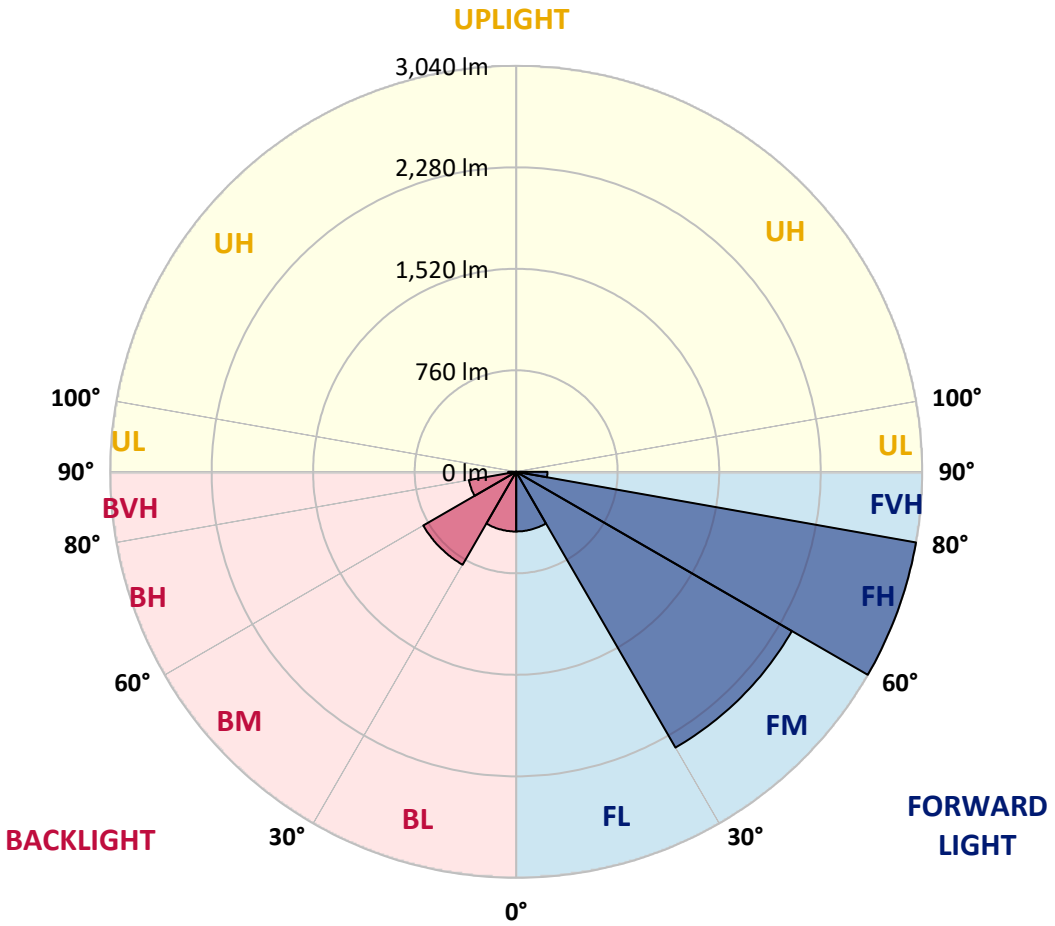
REPORT NUMBER: P386515
CATALOG NUMBER: GPC-SA2A-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	446.5	5.7			
FM	(30°-60°)	2384.1	30.7			
FH	(60°-80°)	3039.9	39.1			G2/5000
FVH	(80°-90°)	234.2	3.0			G3/500
BL	(0°-30°)	447.1	5.8	B1/500		
BM	(30°-60°)	803.4	10.3	B1/1000		
BH	(60°-80°)	358.9	4.6	B1/500		G1/500
BVH	(80°-90°)	59.9	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-G3
Type IV Short



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Scaled Data Report

REPORT NUMBER: P386515
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	1215.1	1215.1	1215.1	1215.1	*1215.1*	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1
2.5°	1128.4	1124.1	1132.1	1133.2	*1140.2*	1142.9	1152.6	1167.6	1179.9	1194.2	1207.1
5°	1026.1	1023.1	1034.4	1042.5	*1057.8*	1064.2	1087.0	1119.0	1147.4	1179.7	1208.9
7.5°	928.9	927.3	939.9	958.1	*975.9*	984.7	1024.2	1070.6	1118.2	1170.3	1215.1
10°	847.0	846.4	858.5	876.5	*902.5*	912.5	963.5	1024.7	1091.3	1163.0	1225.6
12.5°	801.0	802.9	808.6	823.6	*847.8*	857.7	914.4	986.3	1068.8	1160.6	1240.9
15°	812.3	815.3	805.6	805.1	*822.3*	830.0	883.2	958.9	1052.7	1164.6	1263.2
17.5°	860.4	860.9	835.4	819.3	*829.8*	833.8	873.5	943.4	1043.3	1173.8	1291.1
20°	928.1	926.7	881.6	854.7	*860.4*	861.5	887.2	943.6	1042.5	1189.6	1327.4
22.5°	1017.7	1007.8	947.1	910.6	*909.3*	907.6	922.4	963.5	1054.3	1215.4	1370.6
25°	1134.8	1125.4	1041.9	992.0	*981.2*	977.2	979.3	1005.9	1077.6	1243.0	1418.9
27.5°	1265.1	1248.7	1168.1	1097.5	*1075.2*	1069.6	1056.7	1065.8	1103.1	1269.6	1476.4
30°	1374.1	1365.2	1294.9	1211.1	*1184.8*	1176.7	1142.9	1132.9	1139.9	1305.9	1548.9
32.5°	1435.0	1429.1	1386.4	1318.8	*1294.3*	1283.1	1235.3	1215.4	1199.0	1363.1	1647.2
35°	1508.9	1505.1	1479.4	1430.2	*1394.0*	1382.1	1345.1	1324.4	1282.3	1441.8	1774.2
37.5°	1602.9	1598.9	1599.4	1559.6	*1516.4*	1505.4	1481.0	1459.2	1390.2	1545.1	1912.2
40°	1709.2	1701.4	1698.5	1696.6	*1669.2*	1663.0	1650.1	1620.6	1525.5	1668.7	2048.4
42.5°	1869.3	1841.6	1782.5	1804.8	*1831.9*	1828.7	1839.2	1796.8	1675.9	1814.8	2181.3
45°	2023.7	1978.3	1876.3	1881.1	*1940.4*	1958.4	2036.8	2006.8	1838.9	1974.8	2318.8
47.5°	2094.0	2059.7	1972.9	1973.2	*2032.0*	2069.3	2241.2	2219.7	2010.3	2156.6	2486.6
50°	2172.7	2138.3	2060.5	2089.7	*2141.0*	2180.8	2438.6	2427.6	2173.3	2355.6	2687.8
52.5°	2258.6	2200.4	2151.0	2203.3	*2275.3*	2321.5	2636.2	2606.1	2322.8	2555.9	2919.0
55°	2259.7	2243.9	2281.5	2319.9	*2427.6*	2484.2	2843.2	2763.8	2444.7	2752.7	3107.2
57.5°	2388.3	2362.6	2442.3	2460.0	*2600.8*	2664.7	3049.2	2901.0	2568.8	2903.7	3208.7
60°	2558.6	2536.6	2601.8	2648.6	*2815.0*	2900.4	3269.1	3042.0	2666.3	3017.5	3203.9
62.5°	2852.6	2827.7	2826.9	2892.4	*3116.6*	3216.0	3515.9	3180.3	2705.0	3040.1	3067.2
65°	3283.1	3243.4	3168.4	3199.6	*3533.1*	3632.2	3791.7	3280.4	2653.9	2919.2	2715.2
67.5°	3702.0	3700.7	3608.6	3672.5	*4083.1*	4162.6	4105.9	3290.4	2494.7	2498.4	2090.5
70°	4119.6	4125.0	4109.4	4331.7	*4826.1*	4908.8	4440.5	3156.9	2136.7	1804.3	1252.4
72.5°	4450.4	4449.1	4527.5	5100.8	*5790.4*	5771.9	4722.5	2752.5	1534.1	974.0	598.6
75°	*4236.1*	*4189.4*	*4423.0*	*5481.6*	*6352.5*	*6262.0*	*4482.7*	*1920.0*	*796.2*	*443.4*	*322.2*
77.5°	2763.0	2807.3	3150.2	4528.3	*5556.5*	5446.4	3288.7	895.8	375.1	290.8	233.6
80°	1000.6	1047.3	1475.1	2565.0	*3828.2*	3810.2	1619.5	368.2	253.8	219.7	170.3
82.5°	344.3	361.4	581.9	1139.1	*2161.4*	2242.0	609.3	209.2	184.5	155.8	116.5
85°	135.1	154.7	266.1	548.1	*1090.3*	1098.3	246.8	125.1	128.4	102.0	63.9
87.5°	51.3	62.3	127.3	254.6	*497.9*	457.3	88.3	59.6	73.0	60.7	30.3
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: P386515
CATALOG NUMBER: GPC-SA2A-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1	1215.1
2.5°	1217.0	1222.6	1234.5	1242.5	1251.1	1253.5	1254.6	1256.7	1258.9	1258.1	1258.4
5°	1224.5	1235.5	1254.6	1262.7	1266.4	1262.1	1253.8	1247.1	1242.2	1239.6	1238.8
7.5°	1236.9	1252.4	1272.9	1271.5	1262.9	1243.9	1222.4	1206.3	1192.8	1188.0	1185.3
10°	1253.3	1271.5	1285.7	1270.4	1245.5	1212.4	1180.2	1155.2	1135.1	1127.3	1126.0
12.5°	1274.2	1292.7	1295.4	1262.9	1221.6	1176.5	1132.7	1099.6	1069.6	1059.9	1057.8
15°	1301.3	1318.8	1302.1	1249.8	1192.0	1131.3	1074.7	1029.8	998.1	986.3	982.0
17.5°	1329.8	1346.4	1303.5	1228.0	1153.4	1077.9	1006.7	960.8	924.6	910.9	909.3
20°	1363.9	1371.4	1297.8	1196.9	1100.2	1008.6	933.7	890.5	871.1	861.5	860.4
22.5°	1406.0	1398.0	1284.9	1154.7	1032.8	928.6	867.6	847.5	842.7	840.5	841.3
25°	1450.6	1425.9	1265.9	1099.6	947.7	848.6	819.3	824.9	831.4	830.6	830.6
27.5°	1499.8	1454.4	1236.6	1026.6	853.4	783.0	786.5	807.2	816.9	816.6	816.3
30°	1562.9	1486.6	1199.3	938.8	765.3	736.9	758.1	783.3	796.5	795.9	796.2
32.5°	1640.5	1522.1	1148.5	840.8	701.7	702.8	727.2	752.2	767.5	766.1	766.4
35°	1731.2	1561.8	1079.8	744.1	659.5	675.6	695.0	712.4	726.9	725.0	723.2
37.5°	1830.1	1600.7	988.5	657.6	625.1	650.4	666.5	669.5	676.2	671.3	667.8
40°	1924.1	1630.5	870.9	586.7	590.5	628.9	639.4	627.6	615.5	613.9	609.0
42.5°	2006.0	1640.5	751.9	530.1	554.0	606.4	612.8	588.1	566.3	556.1	551.8
45°	2092.4	1644.0	641.0	482.6	518.8	586.2	593.2	560.2	529.6	507.5	500.3
47.5°	2205.5	1669.2	554.8	447.4	492.0	572.8	582.7	537.9	498.1	466.7	460.0
50°	2353.4	1719.2	484.7	420.5	474.5	563.9	575.2	516.1	472.4	434.5	427.8
52.5°	2517.8	1765.1	428.0	398.8	457.6	548.3	565.5	500.5	448.2	404.7	397.4
55°	2632.7	1729.9	382.4	376.2	435.6	526.1	552.1	487.4	413.5	375.7	369.2
57.5°	2654.7	1609.6	347.8	352.9	409.0	498.1	531.4	458.1	394.7	363.1	356.3
60°	2594.6	1442.0	322.0	331.4	380.5	463.0	492.8	437.4	376.8	349.6	344.0
62.5°	2443.4	1270.4	302.9	312.0	353.9	427.2	468.6	415.7	358.5	334.3	328.7
65°	2138.1	1066.6	284.6	294.9	329.2	396.4	446.8	395.6	340.5	322.0	316.6
67.5°	1613.9	798.9	267.5	276.6	307.2	369.5	423.2	375.7	323.0	311.2	304.8
70°	950.3	500.3	247.9	257.5	284.1	341.6	398.0	353.9	301.3	295.9	287.6
72.5°	442.3	301.0	225.6	235.0	255.1	304.2	365.5	325.5	275.5	263.7	252.4
75°	*264.0*	*220.2*	*199.3*	*207.6*	*221.8*	*264.5*	*324.7*	*296.5*	*251.1*	*235.5*	*223.7*
77.5°	197.4	168.4	170.3	179.1	190.7	231.5	287.6	273.6	232.3	220.2	212.1
80°	142.1	127.8	138.8	148.5	160.6	210.5	275.5	253.0	210.0	193.9	186.4
82.5°	94.8	91.8	104.5	114.4	126.2	184.2	258.9	221.5	179.4	159.0	142.3
85°	52.4	55.3	70.4	74.7	84.9	129.7	212.1	178.0	135.1	108.8	103.9
87.5°	21.8	25.5	37.9	36.5	45.1	77.3	139.6	107.4	85.9	64.2	49.9
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

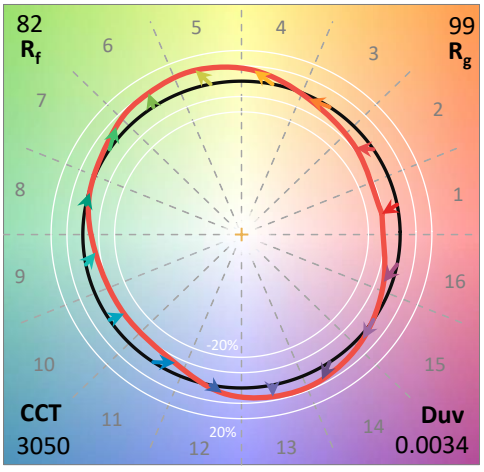
Test Information

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

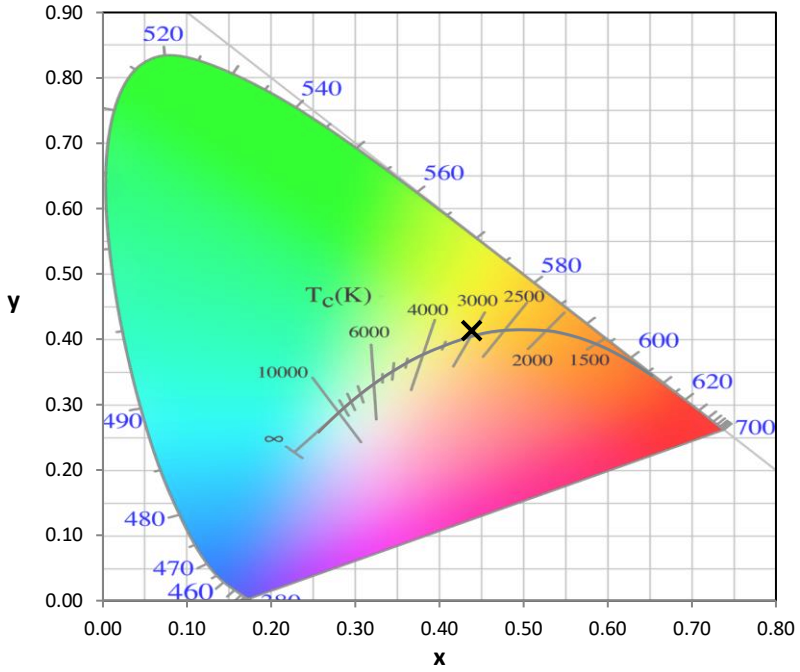
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

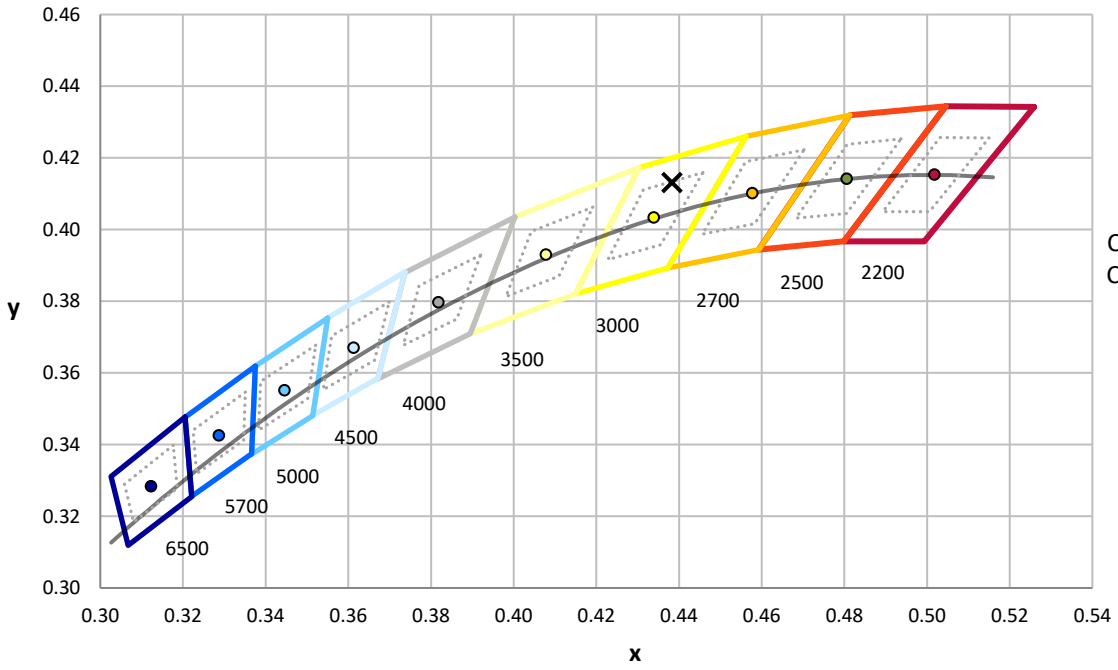
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

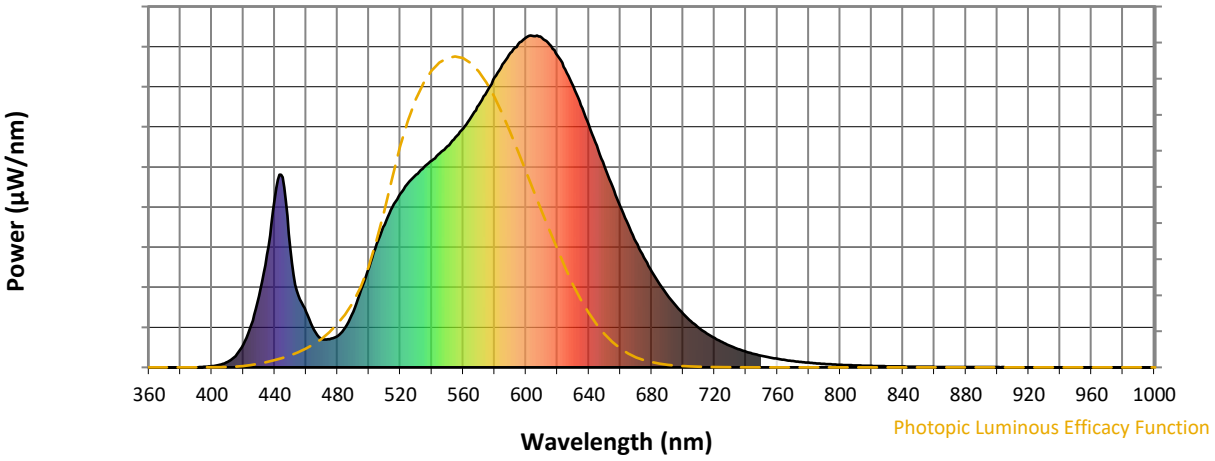


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

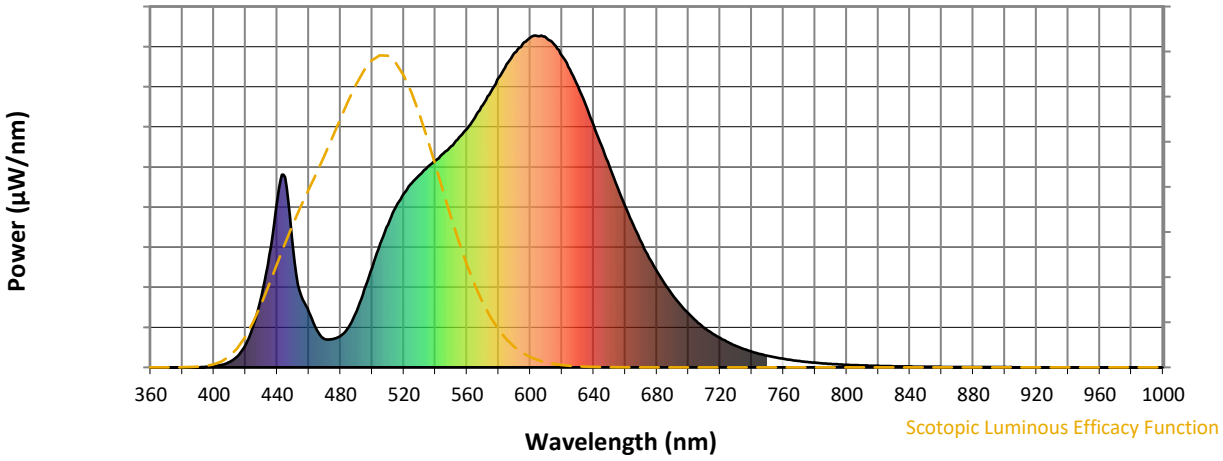


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

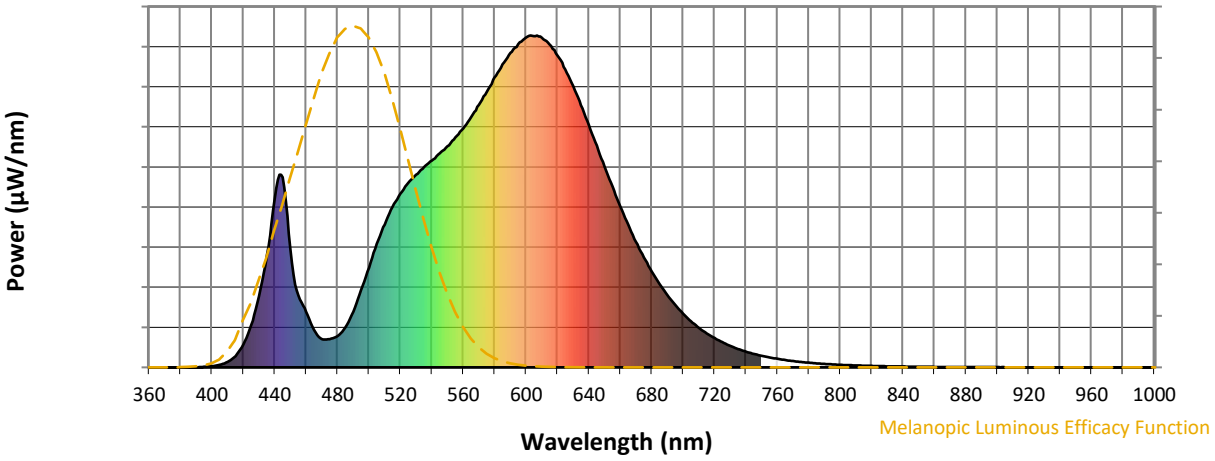


Scotopic Lumens: NR **S/P: 1.27**

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			

REPORT NUMBER: SP1-2408-195-9

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			

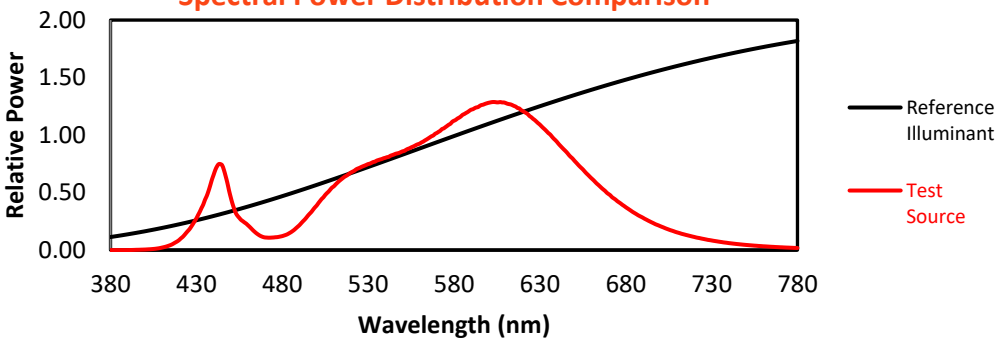
REPORT NUMBER: SP1-2408-195-9

TM-30-18

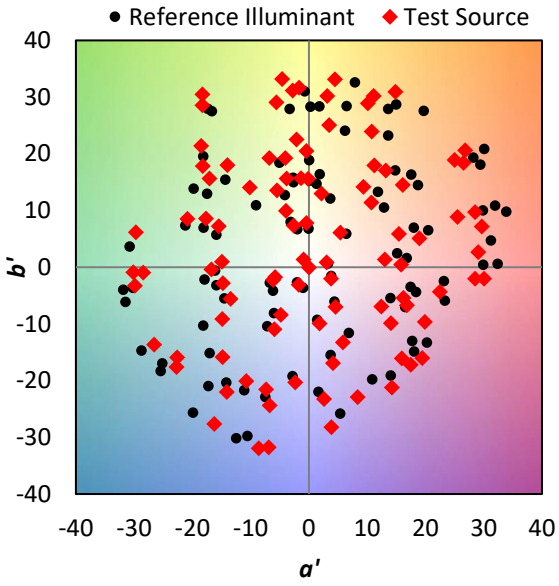
Summary

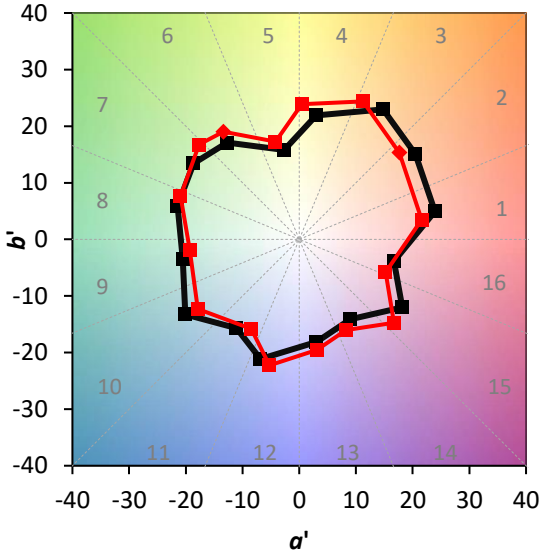
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

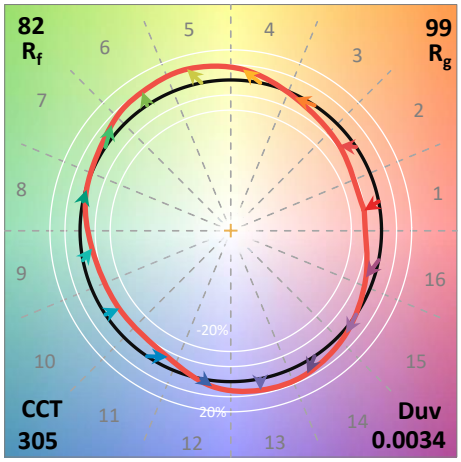
Spectral Power Distribution Comparison

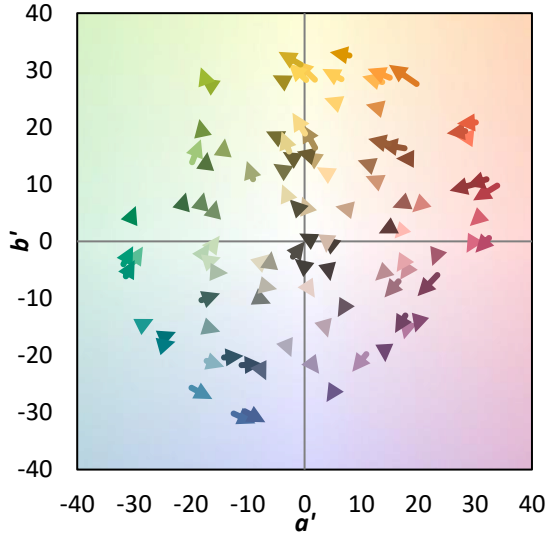


Color Vector Graphics







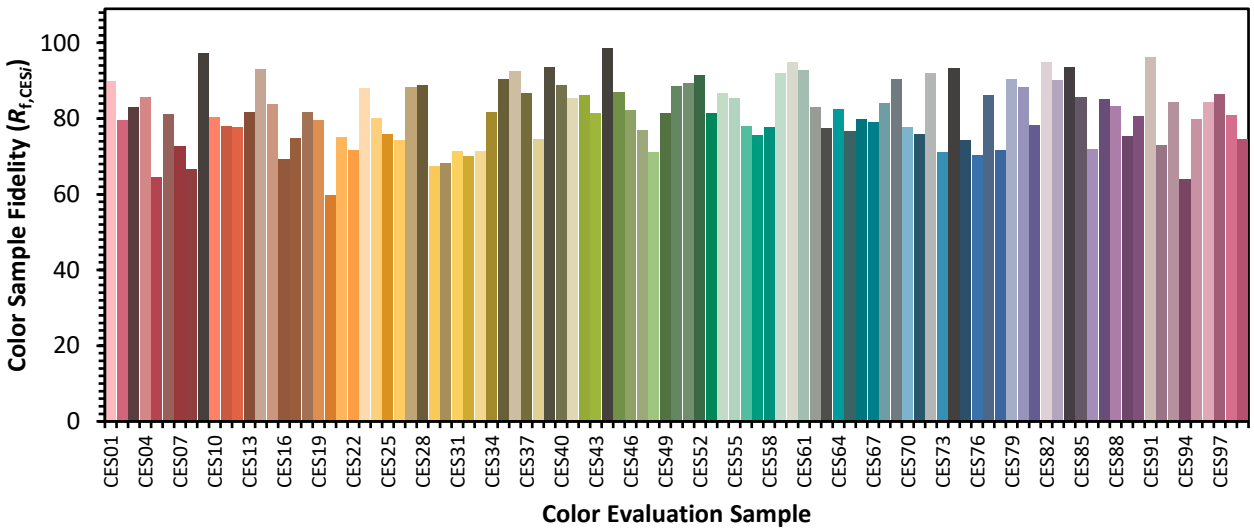


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

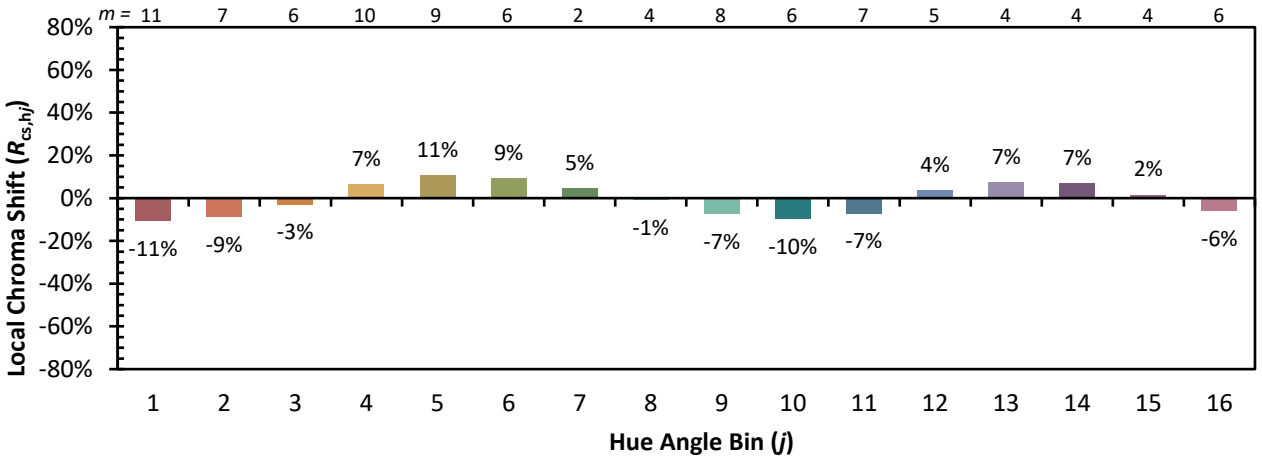
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

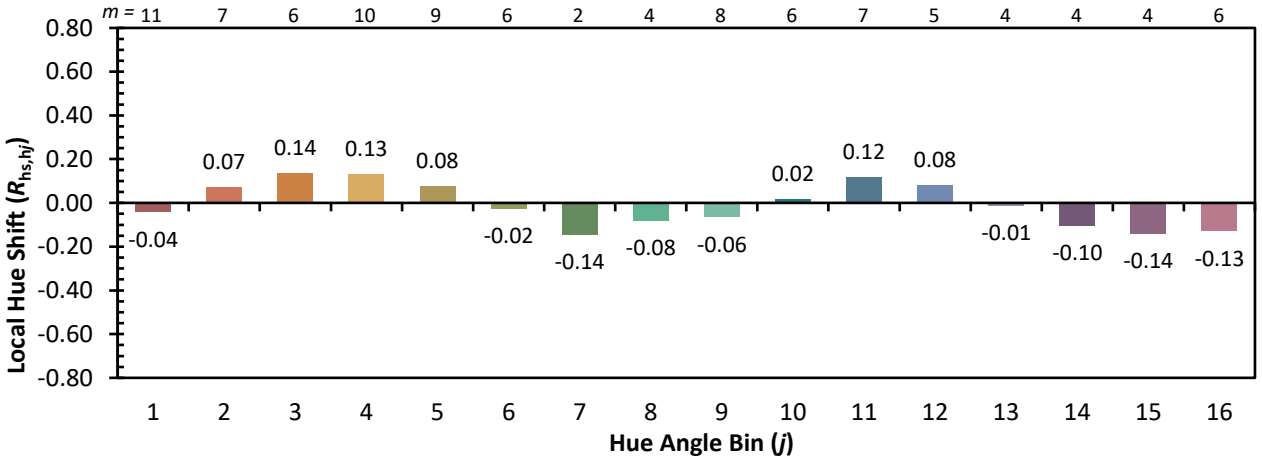


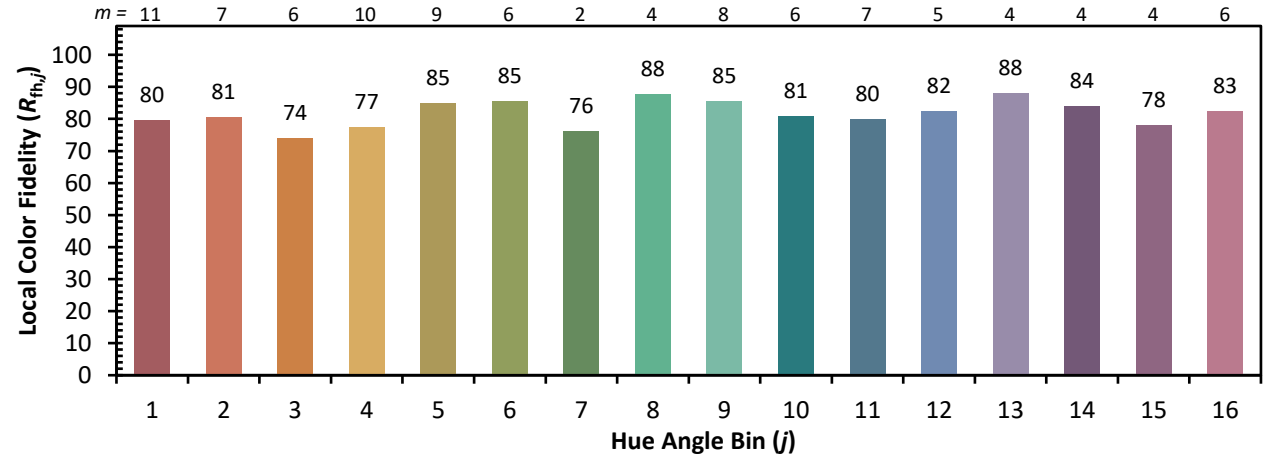
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



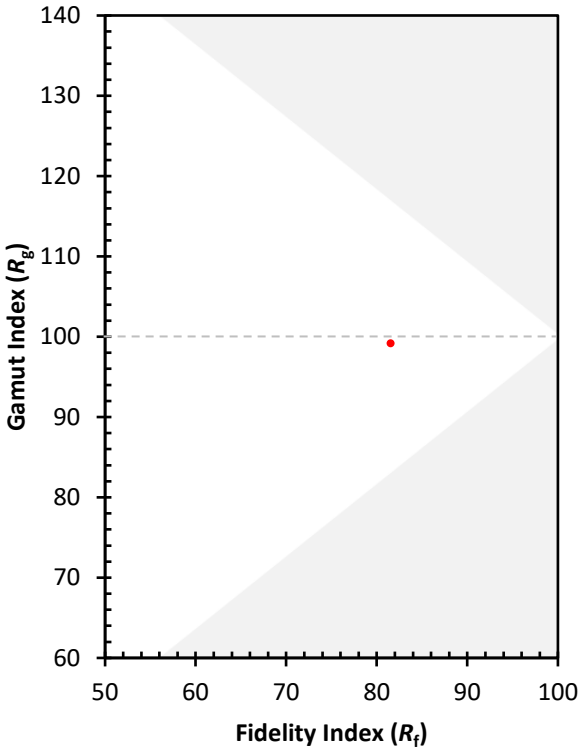


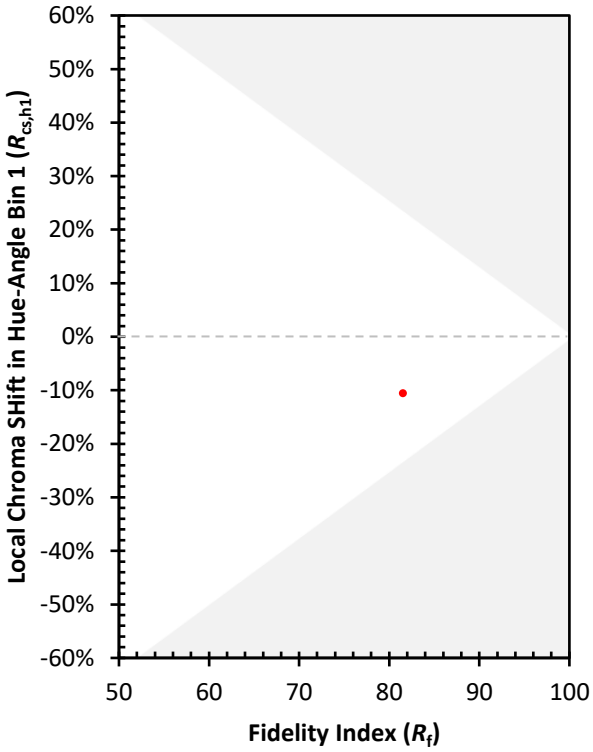


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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