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: P386052

Luminaire Tested: **GPC-SA1C-830-U-SL4-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:	P386052
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
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-SL4-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4872 lumens
Efficiency:	N/A
Efficacy:	84.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

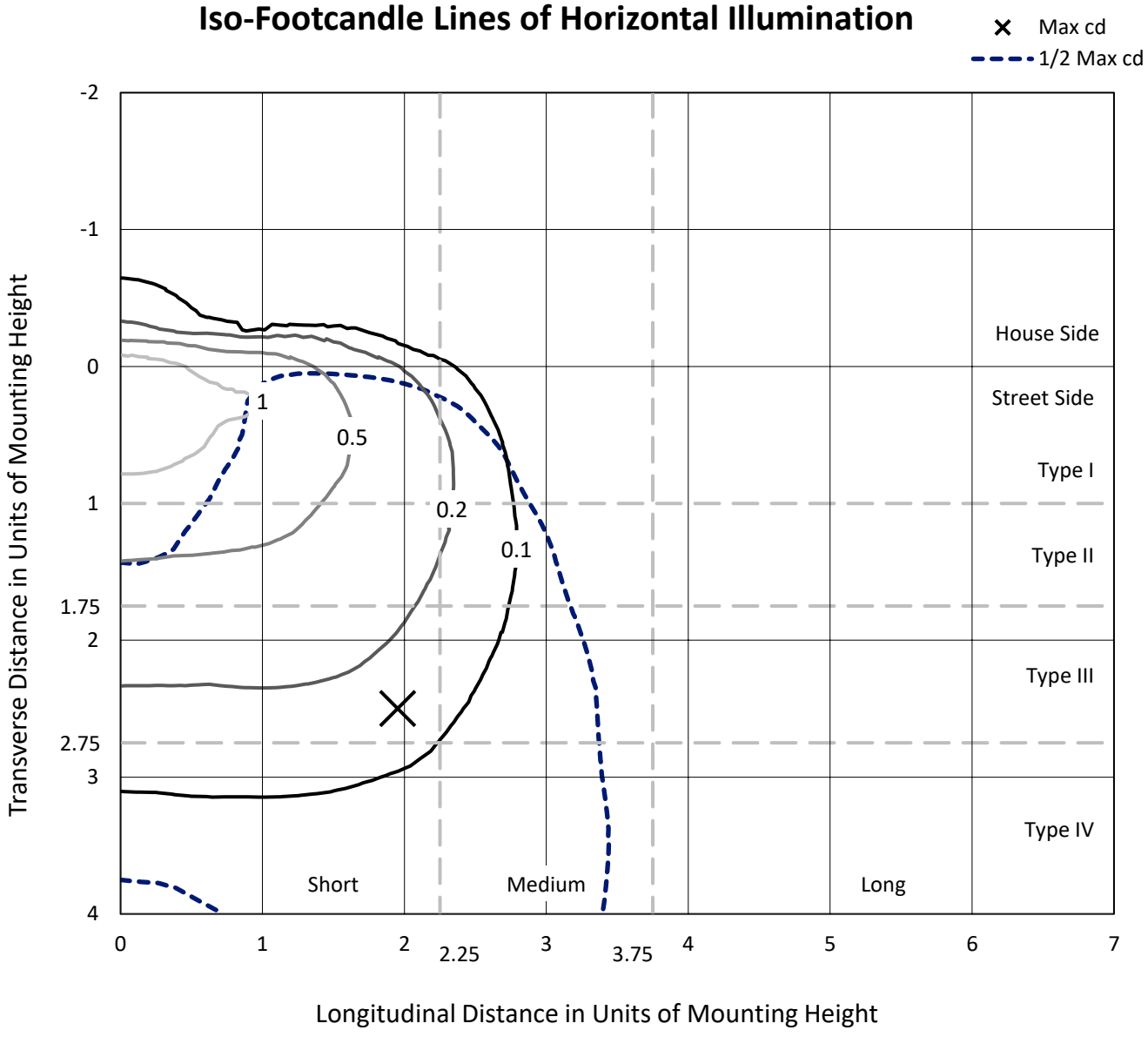
Input Watts (W):	58
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P386052
CATALOG NUMBER: GPC-SA1C-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



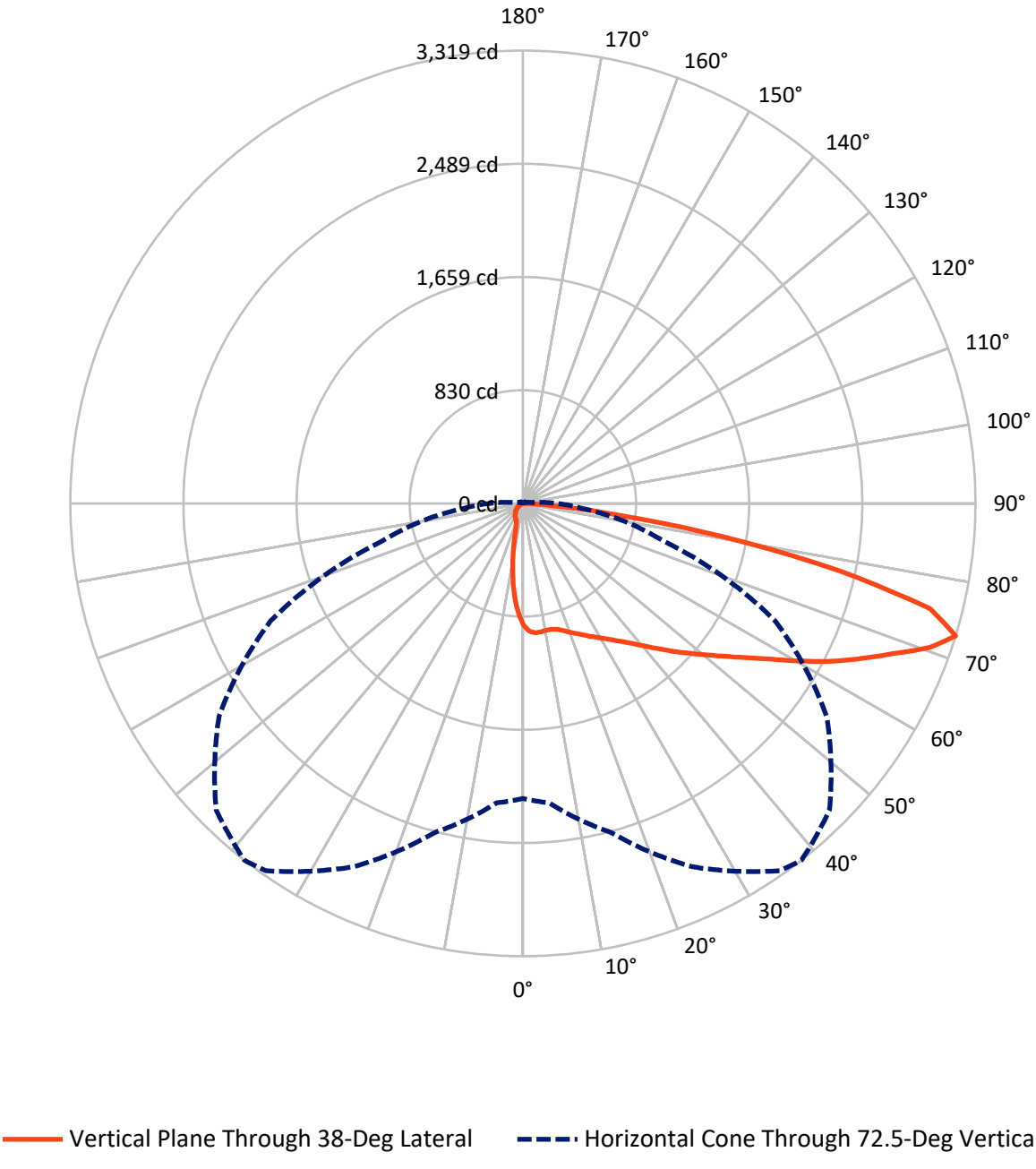
Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type IV - Short - N/A

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P386052
CATALOG NUMBER: GPC-SA1C-830-U-SL4-HSS

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

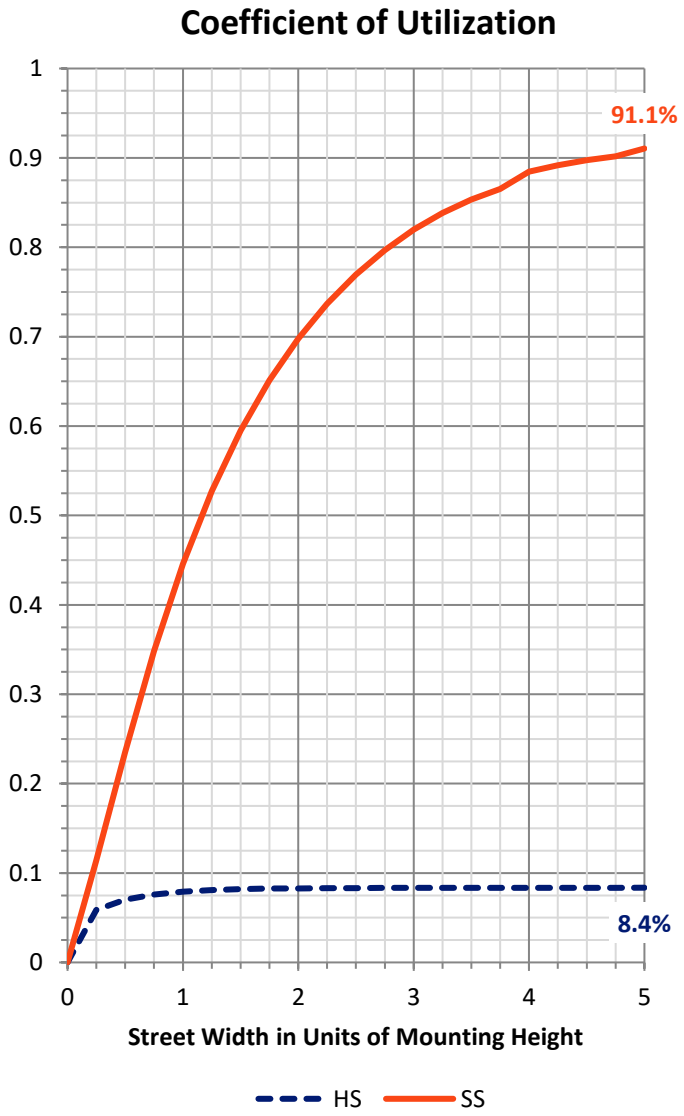
REPORT NUMBER: P386052
CATALOG NUMBER: GPC-SA1C-830-U-SL4-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	410.0	0.0	410.0
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4462.0	0.0	4462.0
	% Fixture	91.6	0.0	91.6
Total	Lumens	4872.0	0.0	4872.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	1.6
10°-20°	186.7	3.8
20°-30°	296.9	6.1
30°-40°	446.4	9.2
40°-50°	681.0	14.0
50°-60°	962.5	19.8
60°-70°	1207.3	24.8
70°-80°	902.7	18.5
80°-90°	111.9	2.3
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°	4872.0	100.0
0°-180°	4872.0	100.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

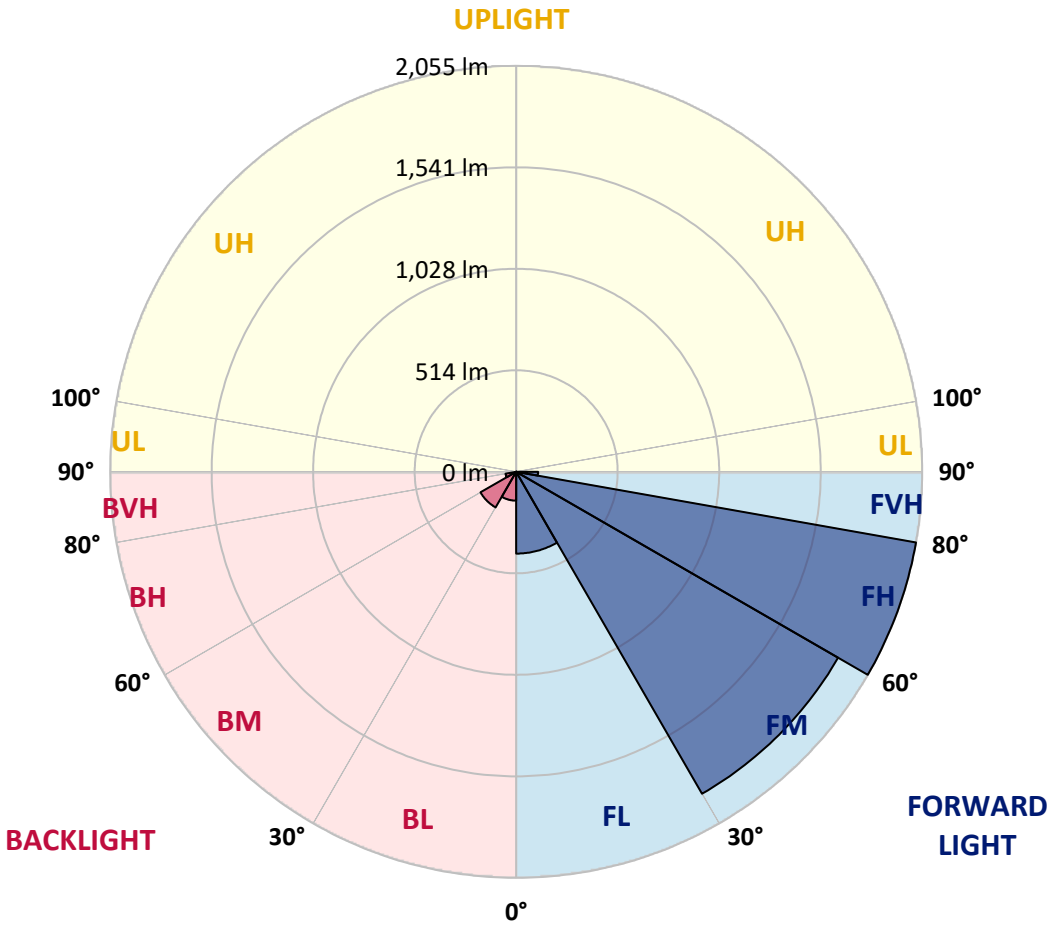
Scaled Data Report

REPORT NUMBER: P386052
CATALOG NUMBER: GPC-SA1C-830-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	414.0	8.5			
FM	(30°-60°)	1881.8	38.6			
FH	(60°-80°)	2055.3	42.2			G2/5000
FVH	(80°-90°)	110.9	2.3			G2/225
BL	(0°-30°)	146.0	3.0	B1/500		
BM	(30°-60°)	208.2	4.3	B0/220		
BH	(60°-80°)	54.8	1.1	B0/110		G0/110
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P386052
CATALOG NUMBER: GPC-SA1C-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	895.9	895.9	895.9	895.9	895.9	*895.9*	895.9	895.9	895.9	895.9	895.9
2.5°	951.0	951.2	949.0	945.3	940.7	*938.2*	934.2	927.7	920.8	908.5	895.1
5°	970.4	970.4	967.6	962.7	955.2	*953.0*	945.3	935.0	920.8	900.8	878.3
7.5°	968.4	968.8	964.9	959.9	952.4	*950.4*	941.1	929.5	911.9	887.6	858.9
10°	957.9	958.9	955.8	953.4	946.5	*944.3*	935.6	924.1	906.5	880.6	847.6
12.5°	947.1	948.1	949.2	951.4	947.1	*946.3*	939.4	929.7	912.9	886.0	848.8
15°	940.3	942.3	949.6	958.3	959.3	*958.5*	954.0	944.9	927.9	900.0	857.5
17.5°	940.3	943.5	958.7	975.3	981.1	*981.7*	977.9	965.1	944.9	915.0	865.6
20°	948.1	952.6	976.3	999.7	1009.5	*1009.5*	1002.0	984.2	960.5	928.5	871.1
22.5°	968.4	974.2	1004.0	1031.1	1041.4	*1039.2*	1029.1	1003.2	976.7	943.9	877.9
25°	1008.2	1012.7	1043.7	1071.0	1077.2	*1072.2*	1059.4	1026.2	997.3	964.7	890.5
27.5°	1059.6	1060.2	1092.2	1115.3	1111.4	*1108.0*	1092.0	1055.2	1027.1	994.5	912.1
30°	1116.1	1116.1	1144.2	1161.8	1150.1	*1147.2*	1131.3	1090.2	1065.1	1034.9	942.9
32.5°	1170.7	1173.1	1196.0	1207.1	1194.0	*1191.2*	1175.6	1134.5	1115.7	1096.7	990.8
35°	1223.5	1225.3	1247.0	1253.1	1240.5	*1241.3*	1230.2	1195.4	1188.3	1185.9	1063.1
37.5°	1274.7	1275.1	1297.2	1301.0	1294.7	*1301.6*	1302.6	1271.9	1285.0	1304.7	1164.8
40°	1321.5	1321.9	1343.7	1353.6	1364.4	*1373.3*	1381.1	1364.8	1408.3	1453.8	1286.0
42.5°	1358.9	1363.1	1390.9	1409.7	1438.0	*1455.0*	1476.4	1475.6	1555.0	1623.3	1432.5
45°	1391.9	1399.2	1437.8	1470.8	1519.3	*1546.5*	1580.0	1606.3	1720.1	1812.1	1580.9
47.5°	1435.4	1442.3	1486.4	1540.4	1605.1	*1640.7*	1696.4	1753.2	1901.6	1997.5	1725.7
50°	1496.7	1493.6	1537.1	1614.6	1697.8	*1744.5*	1823.9	1909.0	2081.6	2158.9	1810.9
52.5°	1562.0	1560.8	1593.0	1695.4	1807.1	*1861.7*	1966.5	2070.1	2253.8	2270.2	1850.0
55°	1643.0	1634.3	1661.4	1787.4	1936.8	*1995.4*	2118.9	2229.5	2391.0	2332.9	1869.6
57.5°	1727.7	1713.4	1739.3	1890.0	2083.1	*2152.5*	2287.6	2384.9	2482.3	2375.8	1869.4
60°	1815.4	1798.4	1829.1	2018.3	2264.7	*2345.1*	2470.5	2489.9	2567.4	2397.5	1855.6
62.5°	1888.6	1878.5	1924.2	2155.5	2467.7	*2546.6*	2608.7	2585.5	2639.3	2414.3	1823.5
65°	1966.1	1966.7	2040.6	2315.5	2683.4	*2736.6*	2741.9	2709.3	2699.4	2410.8	1714.6
67.5°	2070.9	2080.6	2203.8	2532.8	2893.2	*2934.3*	2933.9	2843.4	2743.3	2274.1	1473.2
70°	2181.8	2204.7	2392.0	2781.5	3122.3	*3163.9*	3142.5	2928.8	2583.0	1838.8	1042.6
72.5°	*2163.2*	*2202.8*	*2496.6*	*2938.3*	*3286.7*	*3318.5*	*3179.1*	*2719.0*	*2041.6*	*1068.7*	*443.9*
75°	1668.9	1714.8	2289.2	2782.9	3114.2	*3085.6*	2731.5	2115.8	1115.7	298.2	100.0
77.5°	881.6	906.1	1512.3	2120.1	2428.2	*2368.5*	1924.2	1173.8	340.1	73.9	44.9
80°	461.7	467.4	659.0	1202.9	1498.7	*1499.1*	1140.4	515.6	140.2	37.8	30.1
82.5°	247.3	252.1	348.2	555.8	785.3	*711.8*	436.6	283.7	81.5	21.4	28.9
85°	59.5	60.5	197.5	253.9	308.8	*220.5*	129.7	238.1	22.1	12.5	23.5
87.5°	22.9	23.3	73.2	109.9	78.7	*51.0*	60.7	88.8	2.8	4.9	3.6
90°	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P386052
CATALOG NUMBER: GPC-SA1C-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9
2.5°	887.0	881.8	868.8	852.4	837.9	827.4	811.6	801.3	794.4	794.2	791.5
5°	864.6	853.9	825.9	792.8	762.6	735.5	703.5	678.2	659.4	656.4	649.9
7.5°	840.5	822.9	780.0	728.2	677.6	626.2	566.5	529.5	497.7	482.6	481.0
10°	825.7	801.0	740.1	665.3	586.0	502.4	424.3	370.3	331.2	320.1	311.8
12.5°	822.7	790.1	709.4	606.2	492.9	382.4	296.0	238.6	207.4	197.5	194.8
15°	825.7	785.1	683.5	547.7	398.6	271.3	198.7	165.3	153.6	150.7	150.5
17.5°	827.6	779.0	654.2	482.8	307.1	193.8	152.2	142.4	140.6	140.4	140.8
20°	827.4	769.7	619.1	410.3	228.4	152.4	137.6	135.6	135.2	135.4	135.2
22.5°	825.9	758.8	580.7	335.7	172.6	136.2	131.3	130.1	129.9	129.9	129.9
25°	828.6	750.1	538.4	264.3	142.2	128.7	125.7	124.6	124.4	124.4	124.0
27.5°	838.1	745.2	492.1	203.3	128.5	122.0	119.6	119.4	118.8	118.6	119.0
30°	853.5	745.2	441.3	158.2	120.2	115.1	113.3	112.9	112.7	112.5	112.7
32.5°	880.6	750.9	385.9	131.5	112.3	107.4	106.2	106.8	106.2	106.2	106.2
35°	929.5	767.9	327.8	114.7	104.0	100.0	98.7	99.5	99.1	99.1	98.9
37.5°	1001.0	799.4	269.3	104.6	96.7	92.5	90.8	92.1	91.7	91.7	91.5
40°	1088.0	845.4	213.7	96.9	89.6	85.2	83.8	84.4	83.4	83.4	83.8
42.5°	1195.4	903.6	165.1	89.4	82.6	78.3	77.5	76.9	75.1	74.1	74.3
45°	1314.8	964.3	128.7	82.1	75.9	72.4	71.2	69.6	66.6	64.5	64.7
47.5°	1421.4	1011.1	104.6	75.1	69.8	67.2	65.4	62.3	57.9	55.4	55.6
50°	1477.5	1018.2	89.0	68.0	64.1	61.5	58.9	54.2	49.0	46.3	46.1
52.5°	1491.8	985.0	77.5	61.5	58.5	55.4	52.0	45.7	39.9	37.0	36.6
55°	1497.1	934.4	67.2	55.4	52.4	49.0	44.5	37.4	32.0	29.1	28.9
57.5°	1479.7	858.9	59.1	50.0	46.3	42.1	36.6	29.9	24.7	22.5	22.5
60°	1441.0	756.7	52.8	44.1	40.1	35.2	29.5	23.3	18.4	16.6	16.6
62.5°	1363.9	624.4	46.9	38.0	34.2	29.1	23.9	17.6	12.9	11.9	12.1
65°	1218.5	473.7	41.1	32.6	29.1	24.1	18.6	12.5	8.7	8.7	9.1
67.5°	993.7	329.0	35.0	27.7	25.1	19.6	14.2	8.7	6.1	6.9	7.7
70°	657.8	184.5	29.9	22.9	21.4	15.6	10.5	5.9	4.9	6.5	7.9
72.5°	*248.3*	*71.8*	*25.1*	*18.4*	*18.6*	*11.9*	*7.5*	*4.5*	*4.5*	*7.1*	*9.3*
75°	69.2	35.2	18.0	13.6	14.6	8.7	5.5	3.8	4.2	8.1	10.9
77.5°	40.7	25.9	11.7	7.9	9.9	6.1	3.6	3.0	3.6	6.9	10.5
80°	32.8	13.8	6.9	4.0	5.5	3.4	2.4	1.8	1.0	2.6	5.5
82.5°	32.8	8.3	3.2	2.8	2.8	1.8	1.2	0.8	0.2	0.0	1.4
85°	22.1	3.4	2.0	1.8	1.4	0.6	0.4	0.2	0.0	0.0	0.0
87.5°	3.6	1.4	0.8	0.4	0.2	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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

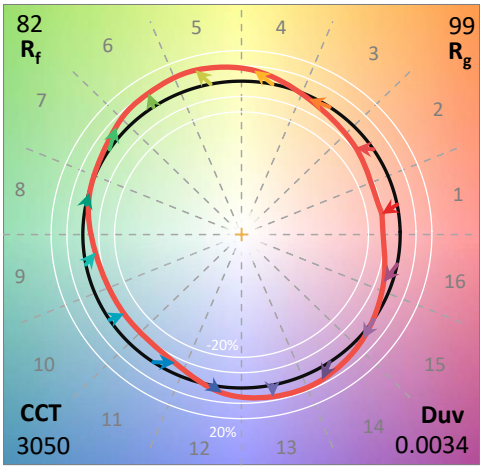
Test Information

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

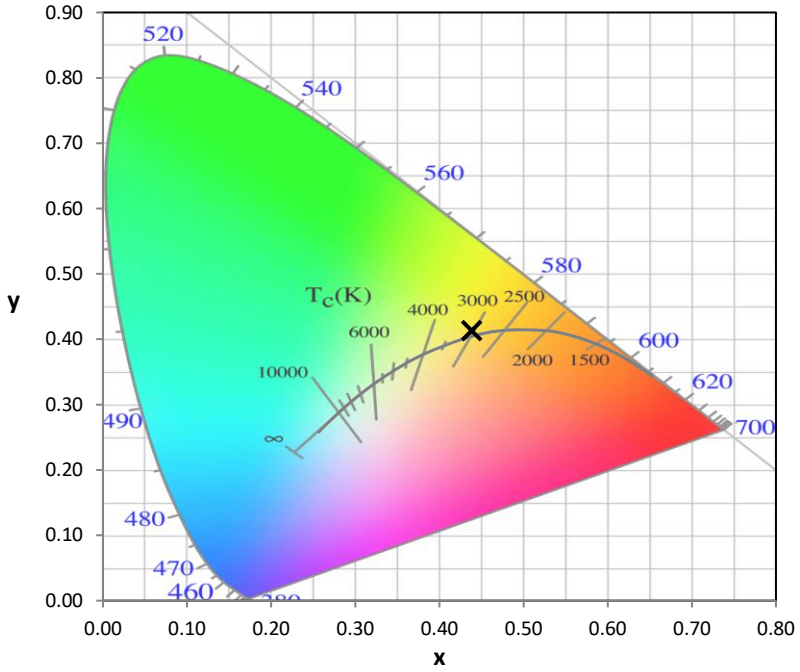
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

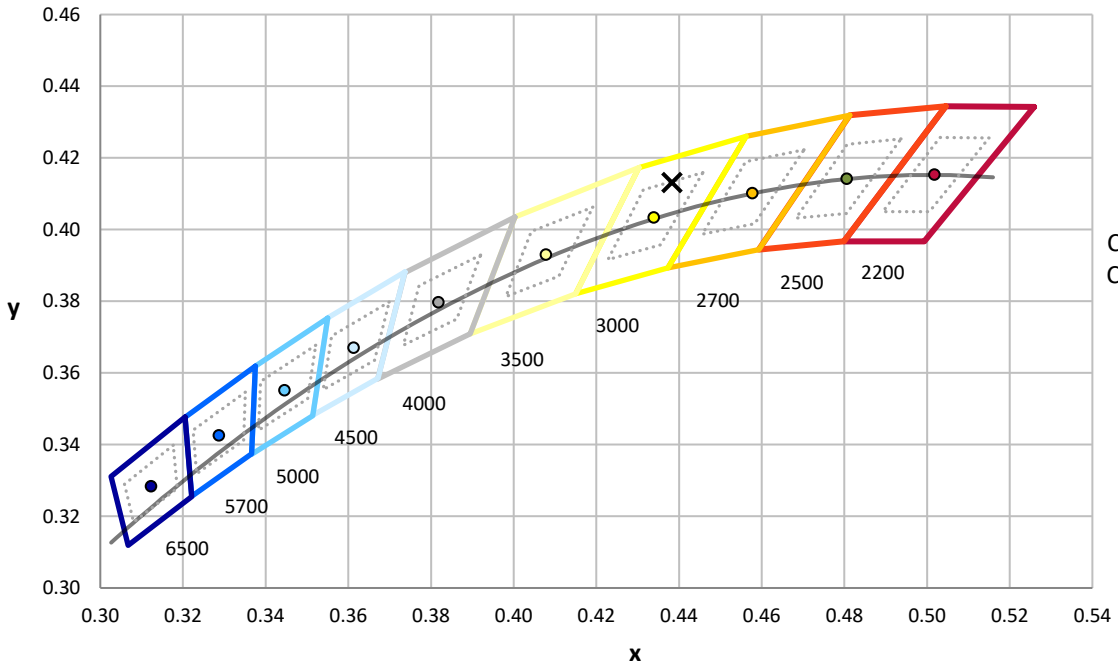
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

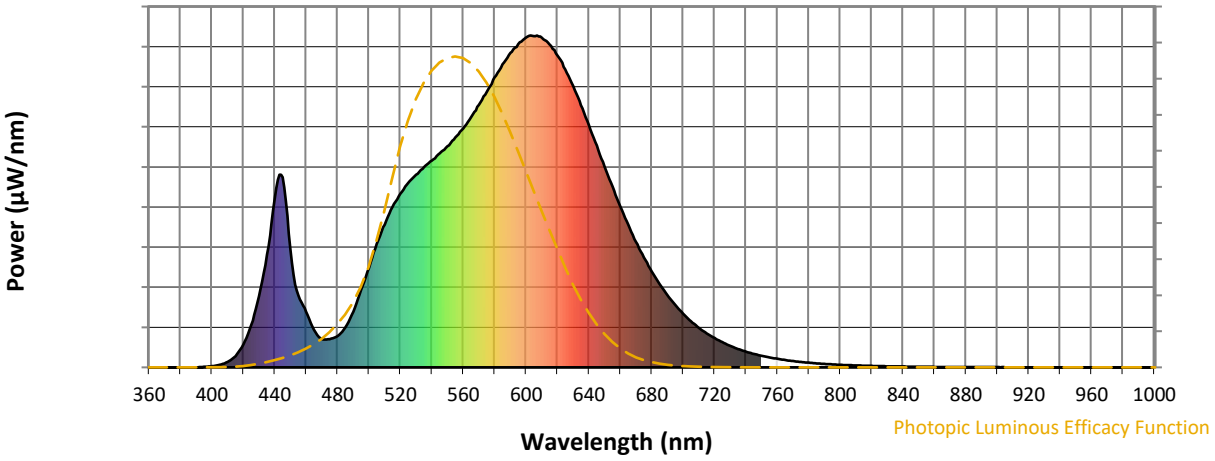


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

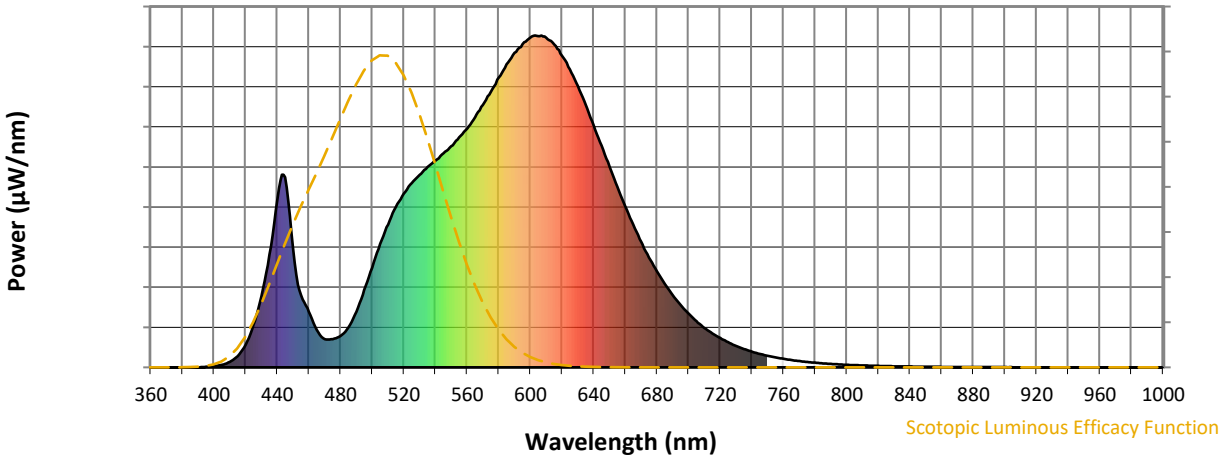


Photopic Lumens: NR

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

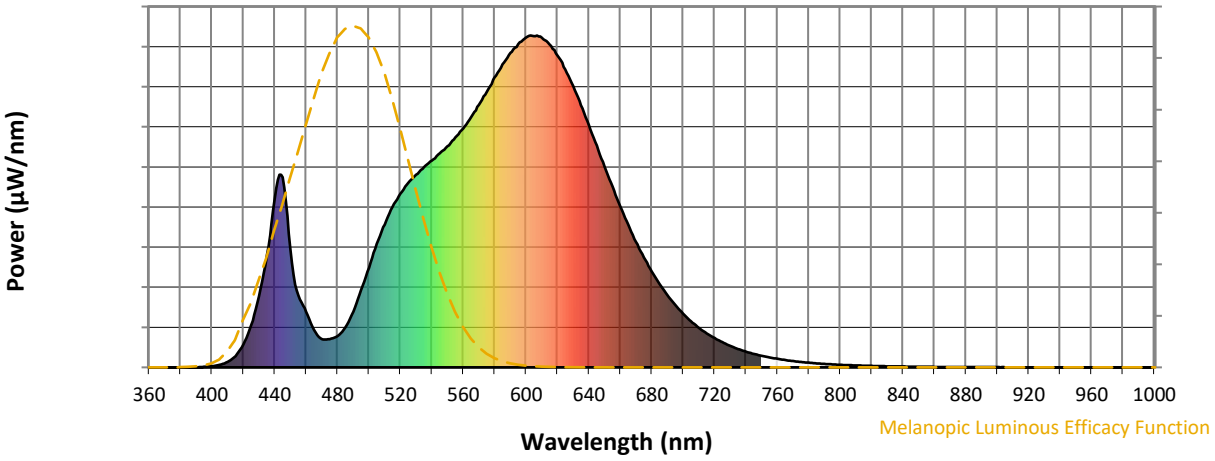


Scotopic Lumens: NR **S/P: 1.27**

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			

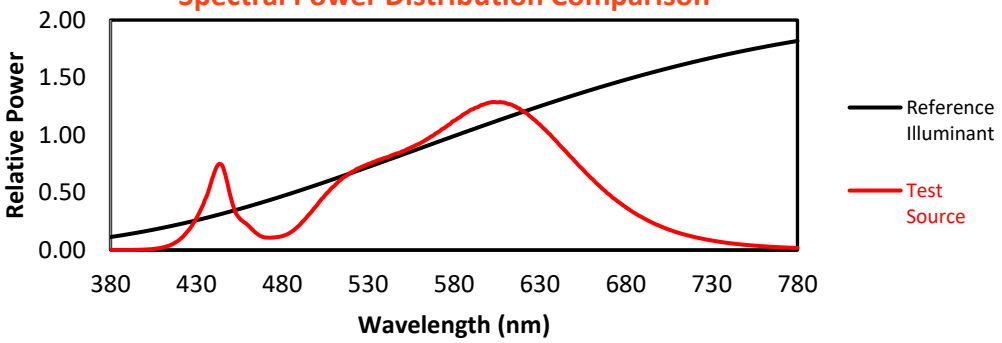
REPORT NUMBER: SP1-2408-195-9

TM-30-18

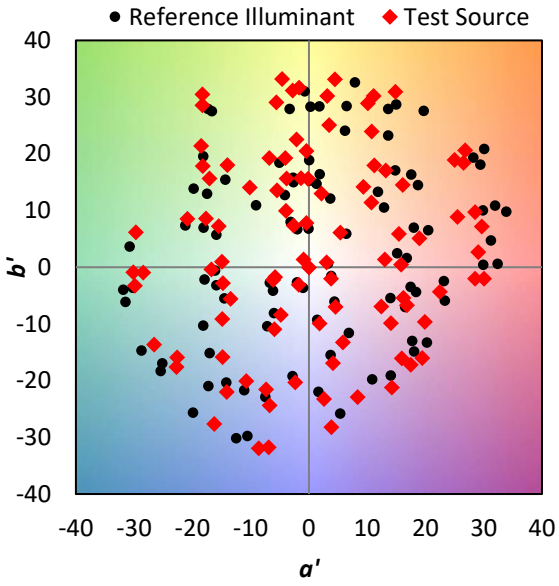
Summary

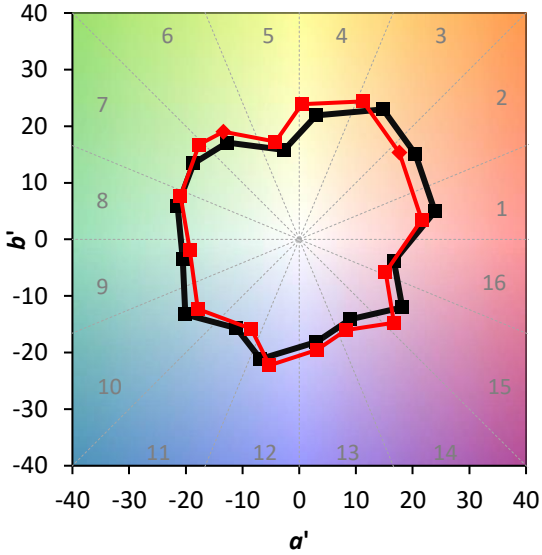
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

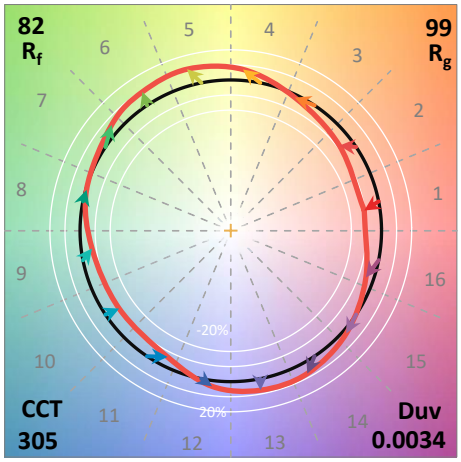
Spectral Power Distribution Comparison

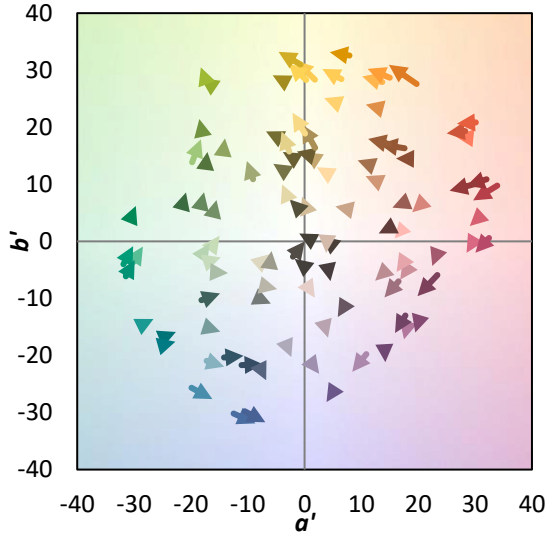


Color Vector Graphics







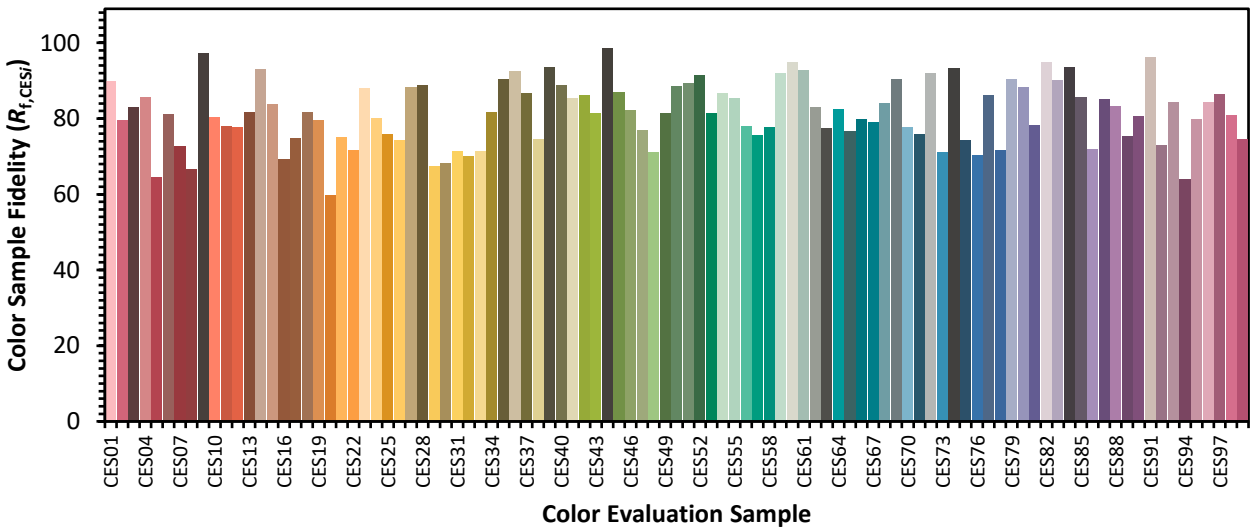


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

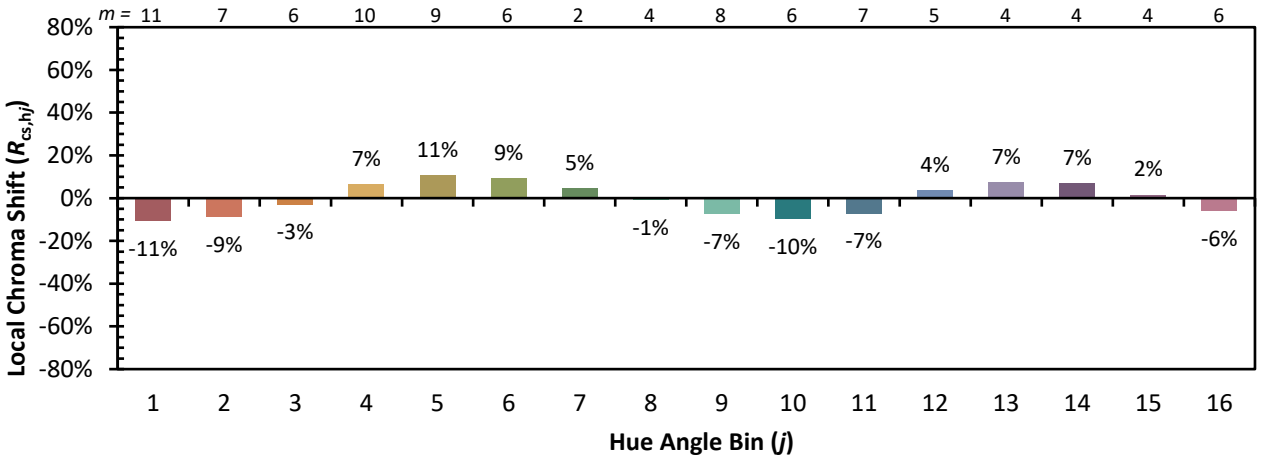
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

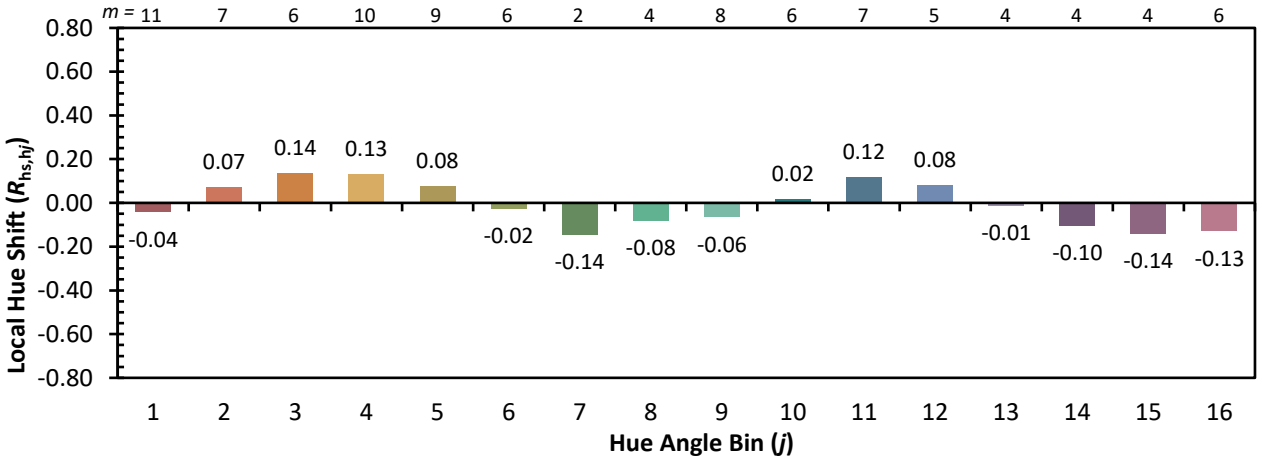


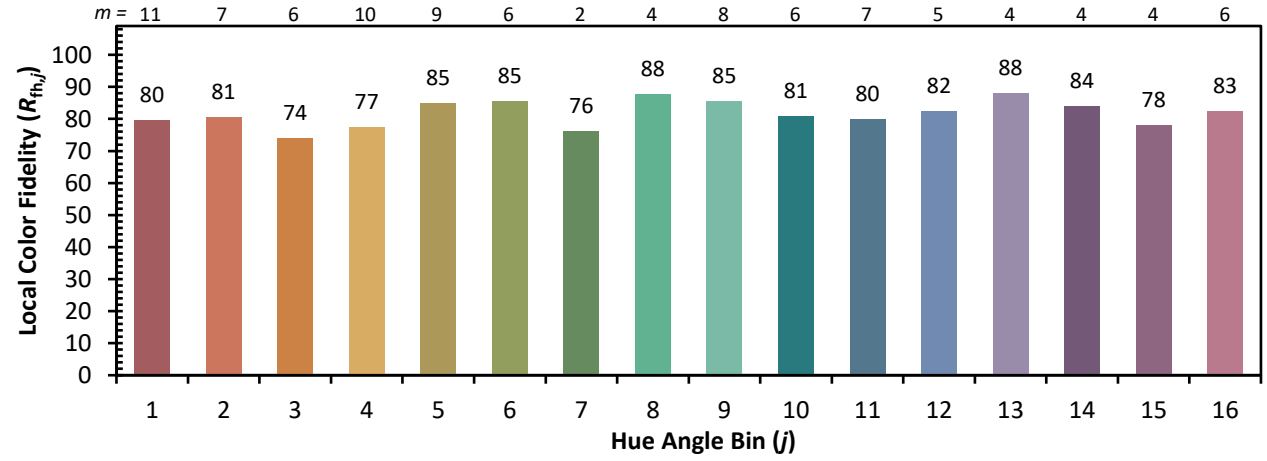
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



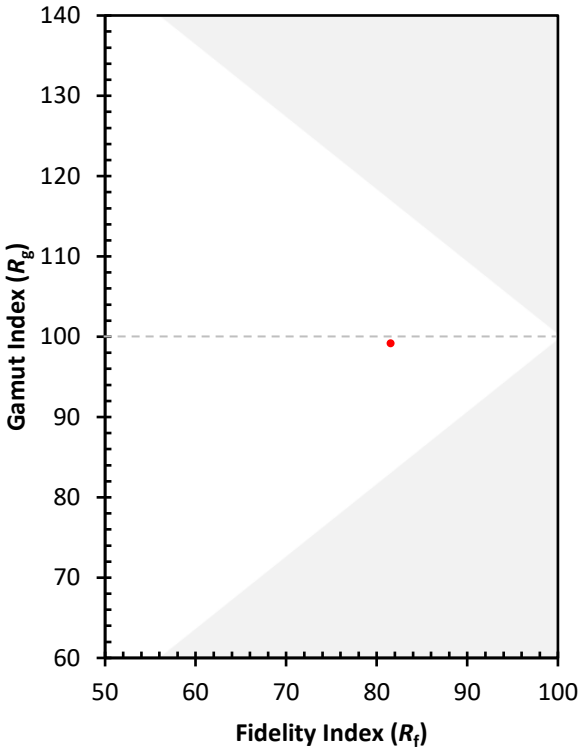


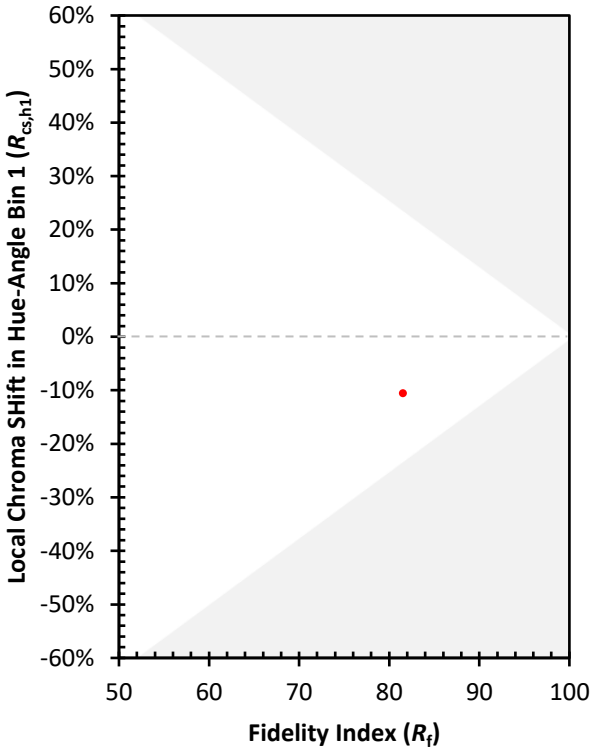


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)