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: P386954

Luminaire Tested: **GPC-SA2C-830-U-T2-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:	P386954
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2C-830-U-T2-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8345 lumens
Efficiency:	N/A
Efficacy:	75.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	111
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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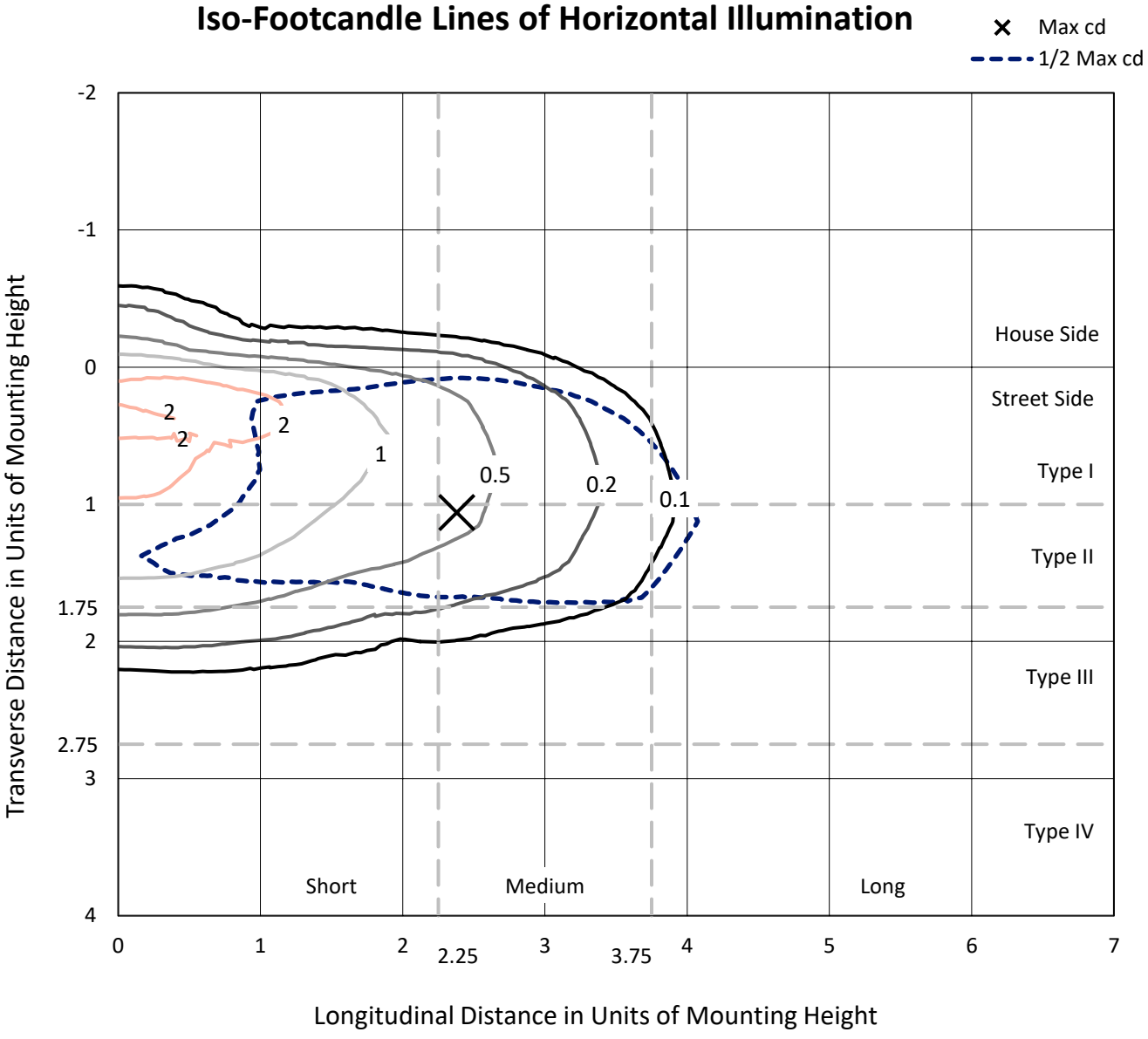
REPORT NUMBER: P386954
CATALOG NUMBER: GPC-SA2C-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type II - Medium - N/A

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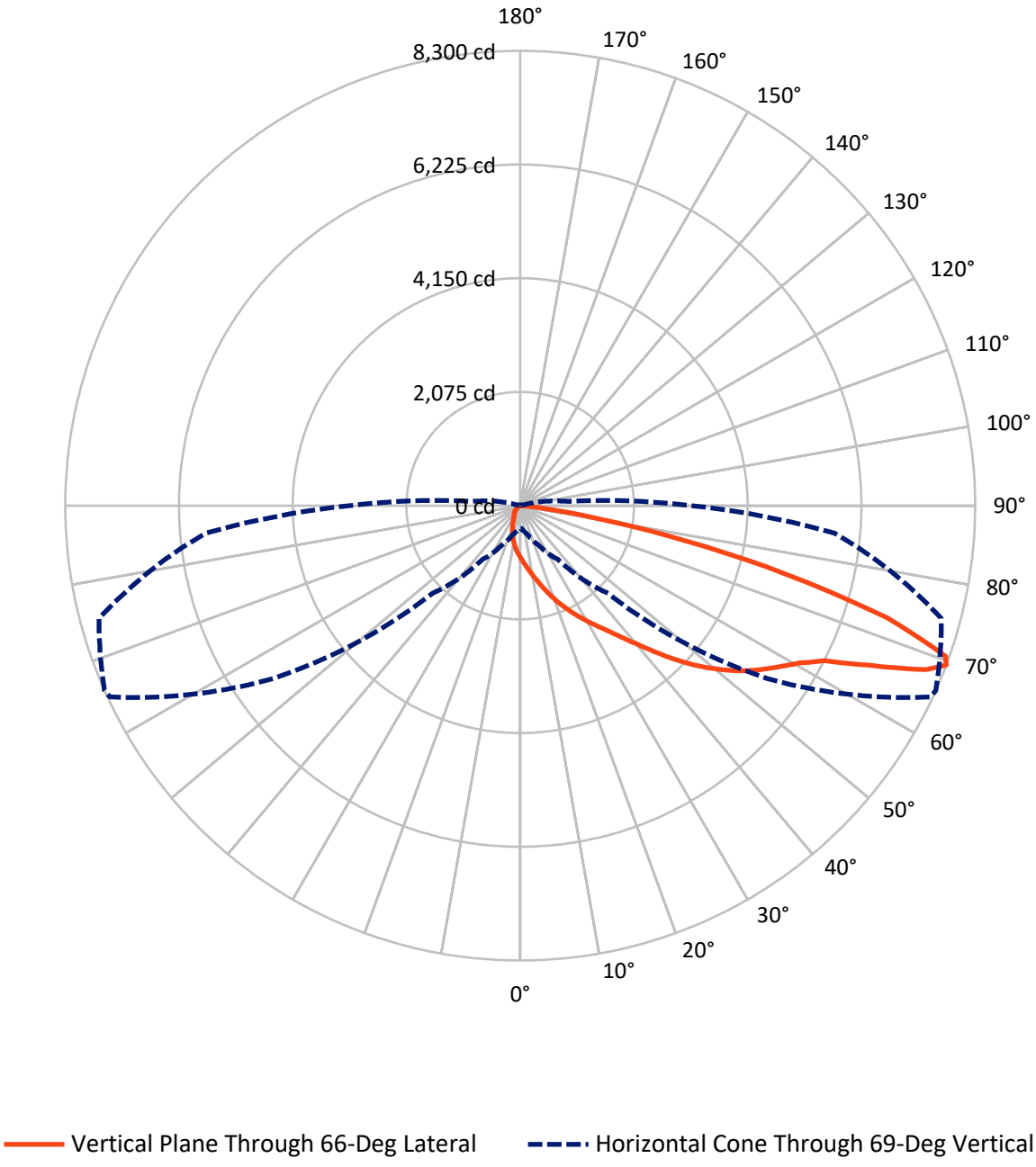
Luminous Intensity Polar Plot



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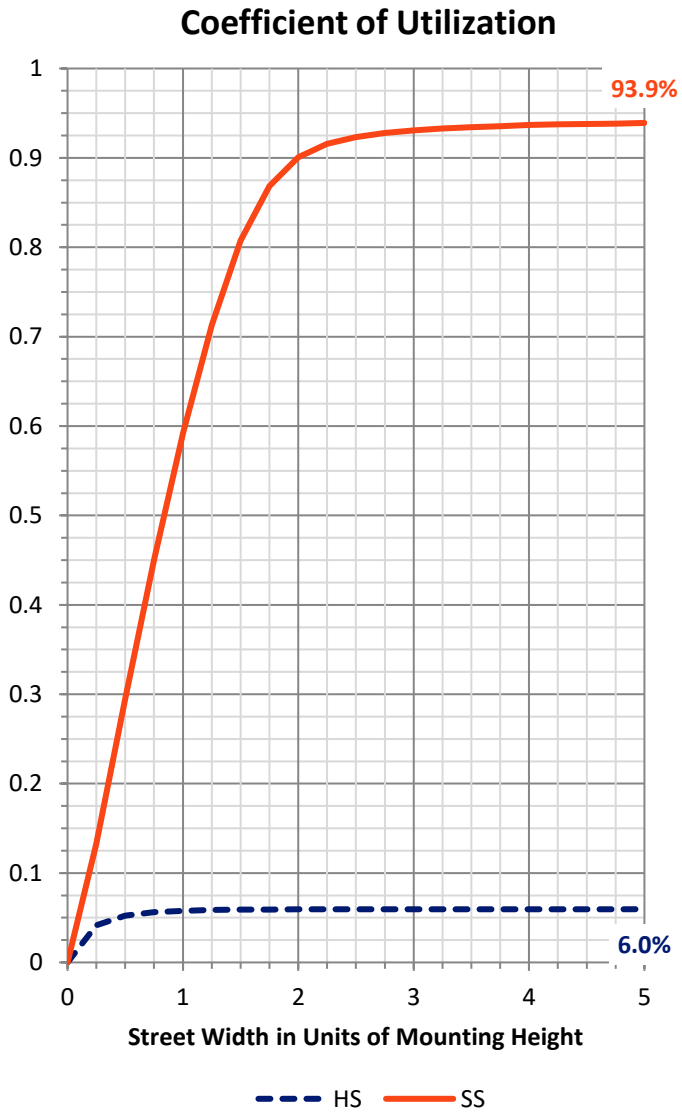
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	500.6	0.0	500.6
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	7844.4	0.0	7844.4
	% Fixture	94.0	0.0	94.0
Total	Lumens	8345.0	0.0	8345.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	1.1
10°-20°	273.2	3.3
20°-30°	475.8	5.7
30°-40°	834.7	10.0
40°-50°	1397.2	16.7
50°-60°	2053.8	24.6
60°-70°	2108.7	25.3
70°-80°	1041.0	12.5
80°-90°	68.8	0.8
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°	8345.0	100.0
0°-180°	8345.0	100.0



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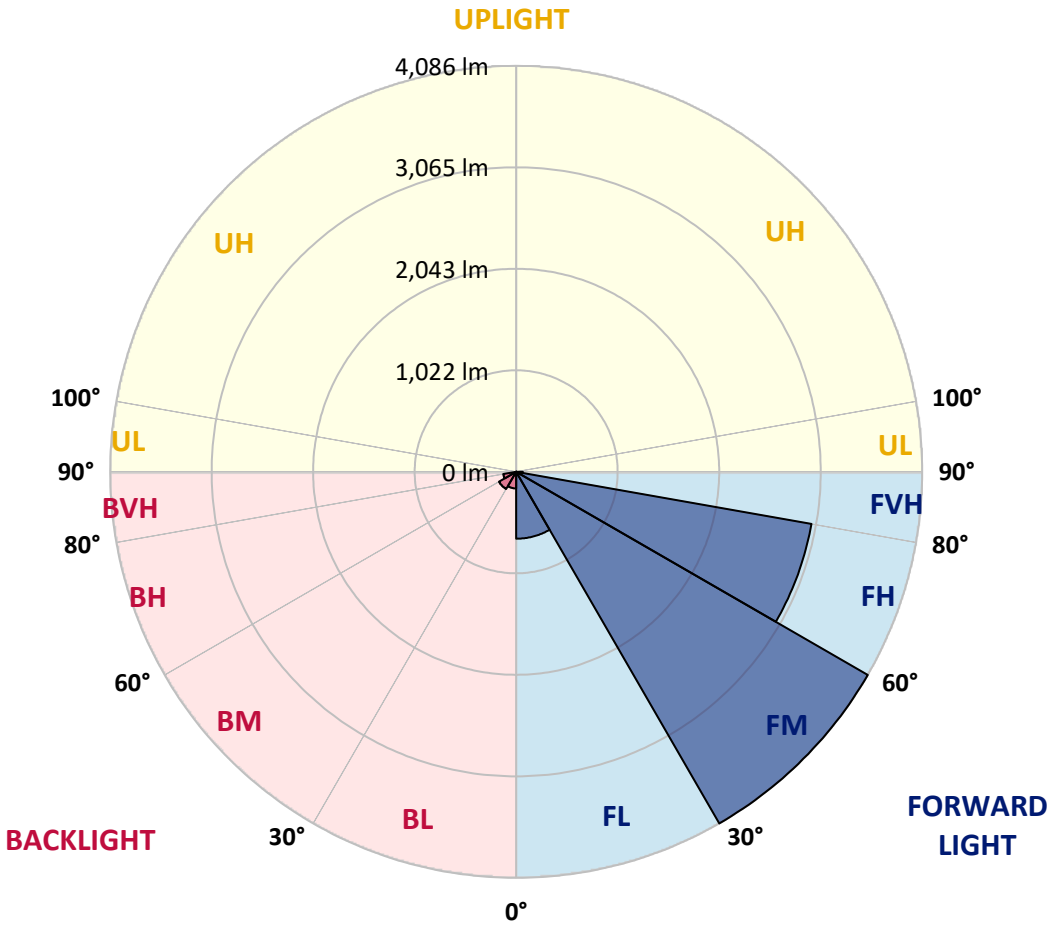
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	673.4	8.1			
FM	(30°-60°)	4086.1	49.0			
FH	(60°-80°)	3017.8	36.2			G2/5000
FVH	(80°-90°)	67.2	0.8			G1/100
BL	(0°-30°)	167.4	2.0	B1/500		
BM	(30°-60°)	199.6	2.4	B0/220		
BH	(60°-80°)	131.9	1.6	B1/500		G1/500
BVH	(80°-90°)	1.7	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 II Medium



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REPORT NUMBER: P386954
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	949.7	949.7	949.7	949.7	949.7	949.7	949.7	949.7	*949.7*	949.7	949.7
2.5°	1117.7	1113.0	1111.0	1102.3	1087.2	1075.7	1053.5	1027.8	*1023.0*	998.0	967.5
5°	1262.8	1258.9	1256.1	1243.8	1228.3	1199.4	1159.0	1111.0	*1101.9*	1054.3	993.3
7.5°	1363.9	1371.0	1371.0	1363.1	1343.7	1321.9	1272.3	1206.9	*1195.4*	1122.5	1027.8
10°	1422.9	1431.7	1438.4	1445.1	1442.4	1433.6	1386.9	1313.2	*1299.3*	1202.6	1067.8
12.5°	1428.5	1437.2	1456.2	1484.4	1511.7	1531.5	1502.2	1430.9	*1415.0*	1295.3	1115.4
15°	1397.6	1406.7	1436.0	1490.7	1556.9	1614.8	1624.3	1561.3	*1545.0*	1405.9	1174.8
17.5°	1343.7	1349.6	1391.6	1467.3	1571.2	1677.4	1734.9	1701.2	*1686.1*	1532.3	1241.0
20°	1303.6	1308.0	1344.9	1426.1	1562.5	1716.7	1839.5	1849.8	*1834.0*	1667.9	1312.8
22.5°	1372.2	1380.1	1381.3	1419.8	1538.7	1736.1	1931.5	1996.1	*1984.2*	1811.8	1383.3
25°	1559.7	1568.8	1538.7	1514.9	1558.9	1744.8	2010.4	2145.9	*2136.4*	1966.8	1454.3
27.5°	1807.4	1816.9	1778.1	1707.1	1664.7	1777.7	2080.5	2298.1	*2297.7*	2130.9	1530.8
30°	2050.8	2060.3	2020.7	1949.7	1852.2	1870.8	2141.2	2457.5	*2459.8*	2300.1	1612.0
32.5°	2306.0	2317.9	2277.1	2185.9	2084.1	2031.8	2226.4	2617.6	*2631.1*	2496.3	1703.6
35°	2596.2	2597.8	2540.3	2444.8	2327.4	2247.0	2363.1	2797.1	*2829.2*	2739.3	1819.7
37.5°	2880.8	2892.3	2845.1	2694.5	2586.7	2495.5	2566.5	3021.5	*3067.1*	3036.1	1971.5
40°	3091.6	3115.8	3109.1	2946.6	2844.3	2779.3	2818.9	3288.2	*3346.1*	3381.8	2163.0
42.5°	3224.0	3242.3	3273.2	3175.3	3082.5	3093.2	3117.0	3599.0	*3670.3*	3775.8	2382.9
45°	3375.8	3384.6	3410.3	3367.1	3304.5	3412.3	3433.3	3949.0	*4023.9*	4199.5	2627.1
47.5°	3561.3	3581.9	3589.1	3549.4	3520.9	3694.5	3738.1	4267.3	*4372.3*	4653.3	2885.5
50°	3797.6	3803.1	3815.4	3789.6	3761.1	3937.1	4011.6	4601.4	*4696.9*	5108.7	3140.4
52.5°	4028.6	4048.5	4091.3	4075.0	4063.5	4143.6	4255.4	4902.6	*5009.2*	5488.5	3394.9
55°	4095.2	4112.3	4260.1	4361.2	4454.7	4398.1	4488.4	5172.5	*5287.9*	5827.7	3639.8
57.5°	3829.3	3863.8	4119.8	4383.0	4771.0	4793.6	4808.7	5449.6	*5553.1*	6087.8	3894.7
60°	3157.0	3163.8	3583.9	4035.4	4718.7	5138.9	5276.4	5747.3	*5834.1*	6329.9	4199.9
62.5°	2008.0	2076.6	2537.5	3174.9	4165.4	5088.9	5842.0	6197.5	*6229.3*	6620.5	4637.5
65°	956.4	1000.8	1333.0	1961.6	3017.1	4449.6	6232.4	7012.1	*7026.3*	7196.4	5222.1
67.5°	529.5	550.9	709.1	1055.9	1763.8	3146.7	6074.7	7976.8	*7990.3*	7784.6	5735.0
69°	*414.2*	*432.4*	*556.9*	*795.9*	*1195.8*	*2261.7*	*5497.2*	*8259.4*	*8299.5*	*7953.0*	*5753.2*
70°	351.6	369.4	479.6	672.2	961.6	1747.6	4893.1	8189.3	*8231.7*	7937.2	5617.3
72.5°	215.2	225.5	319.5	473.3	644.5	879.1	3017.5	6925.7	*6997.4*	7280.8	4827.7
75°	145.1	150.6	199.8	326.6	461.0	452.6	1567.6	4881.6	*5037.0*	5663.6	3565.7
77.5°	103.8	109.0	134.0	211.3	323.0	298.9	709.9	3033.8	*3067.1*	3396.8	1944.6
80°	59.1	63.8	94.7	125.6	219.2	199.4	282.2	1449.1	*1465.8*	1456.6	649.2
82.5°	30.9	34.9	51.9	82.8	140.7	130.4	117.3	485.1	*487.5*	405.5	142.3
85°	5.9	7.1	25.8	56.7	72.5	56.7	48.0	113.8	*116.1*	102.7	35.3
87.5°	0.0	0.4	10.3	12.7	14.3	14.7	15.5	22.2	*23.8*	32.1	9.5
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: P386954
CATALOG NUMBER: GPC-SA2C-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	949.7	949.7	949.7	949.7	949.7	949.7	949.7	949.7	949.7	949.7	949.7
2.5°	954.0	939.8	912.4	880.7	856.1	832.0	812.9	793.1	786.0	782.4	782.0
5°	963.6	933.4	875.6	816.1	767.4	721.4	688.5	657.2	642.5	635.8	633.0
7.5°	979.4	931.1	837.9	747.1	677.0	619.5	573.9	539.8	522.8	515.7	512.9
10°	998.0	927.9	793.9	674.2	584.6	525.2	480.0	446.3	427.7	419.7	415.8
12.5°	1019.8	922.3	743.2	600.5	505.8	446.3	391.6	350.0	328.6	319.5	315.1
15°	1046.8	916.8	690.1	531.1	436.4	363.9	304.0	275.9	271.5	269.9	270.3
17.5°	1073.4	908.1	632.2	462.6	363.5	284.2	253.7	252.1	252.9	252.9	252.9
20°	1097.1	888.3	569.2	403.9	294.1	239.8	233.5	230.7	228.7	227.1	225.1
22.5°	1115.8	861.7	508.5	345.6	240.2	219.6	209.7	201.0	193.8	189.1	186.7
25°	1128.4	826.4	453.0	289.7	216.0	199.8	181.9	167.3	156.2	149.4	146.7
27.5°	1138.0	788.4	403.5	242.6	199.4	176.8	153.4	136.0	124.5	118.5	116.1
30°	1144.7	745.2	359.9	213.2	180.7	152.6	127.6	110.6	102.3	99.1	97.5
32.5°	1151.0	697.2	318.7	199.4	163.3	130.4	107.0	93.9	88.8	84.8	83.6
35°	1166.9	652.8	279.4	184.7	145.5	111.4	92.0	82.4	77.3	74.9	74.1
37.5°	1204.5	619.9	241.8	169.6	127.6	96.3	80.5	73.7	69.0	66.6	65.8
40°	1265.2	603.3	210.1	153.4	110.2	84.8	72.9	66.6	61.4	57.9	57.1
42.5°	1354.4	605.6	187.9	137.1	96.3	75.7	65.8	58.3	52.7	49.5	48.8
45°	1462.6	623.1	172.4	121.3	84.8	68.6	57.9	49.9	44.8	42.0	41.2
47.5°	1579.9	651.2	159.7	107.0	75.7	61.8	49.9	41.6	37.3	34.9	34.5
50°	1703.6	678.6	146.7	93.1	67.8	55.1	42.0	34.5	30.9	28.9	28.1
52.5°	1828.8	710.3	134.8	80.5	61.0	47.2	34.9	28.1	25.4	23.8	23.0
55°	1963.6	734.1	123.3	70.6	54.3	40.0	28.9	23.4	21.0	19.0	18.6
57.5°	2122.1	770.9	111.4	61.0	46.4	33.3	23.8	18.6	16.6	14.7	14.3
60°	2336.2	814.1	98.7	53.9	38.1	27.3	19.4	15.1	12.7	11.1	10.7
62.5°	2618.4	862.1	82.8	47.2	30.9	22.2	15.5	11.9	9.1	7.1	7.1
65°	2976.3	940.2	67.8	39.6	25.4	18.2	11.9	8.7	5.2	3.2	3.2
67.5°	3185.2	953.7	54.7	32.5	20.6	15.5	9.9	5.9	1.6	0.4	0.0
69°	*3118.2*	*875.6*	*46.4*	*27.7*	*17.8*	*14.7*	*9.1*	*4.4*	*0.8*	*0.0*	*0.0*
70°	2992.2	800.7	40.8	24.6	16.3	13.9	8.7	3.2	0.8	0.0	0.0
72.5°	2472.5	570.0	30.9	18.2	11.9	12.3	7.9	2.0	0.8	0.0	0.0
75°	1801.1	346.4	22.2	12.7	7.5	9.1	5.5	0.8	0.4	0.0	0.0
77.5°	1002.0	163.3	13.9	7.1	4.8	5.5	2.8	0.0	0.0	0.0	0.0
80°	325.4	44.4	6.3	4.0	2.8	3.2	1.2	0.0	0.0	0.0	0.0
82.5°	60.2	12.7	3.6	2.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0
85°	13.1	5.2	2.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	1.6	0.4	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

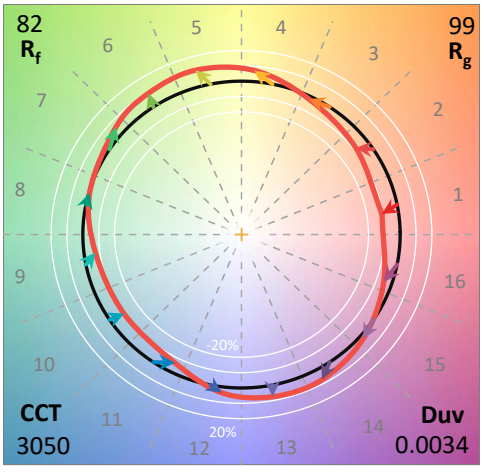
Test Information

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

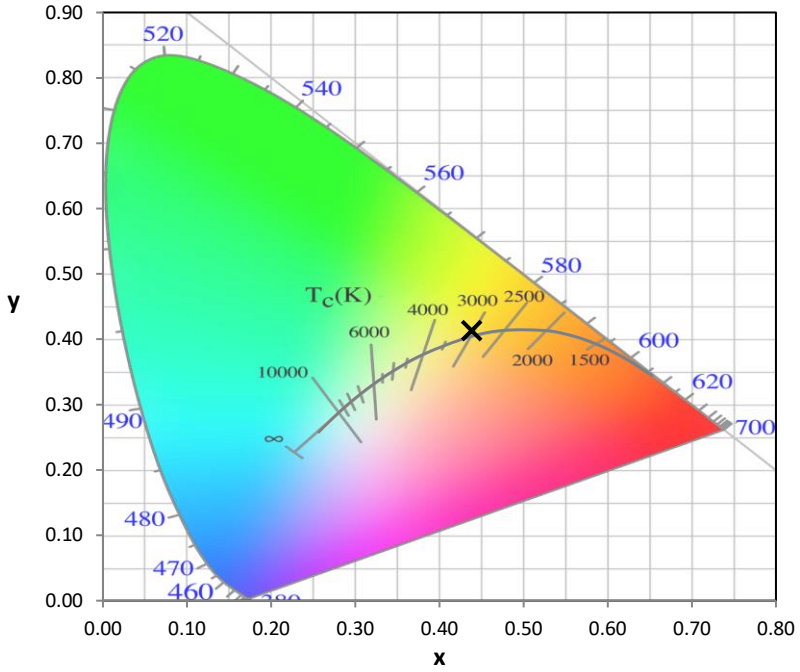
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

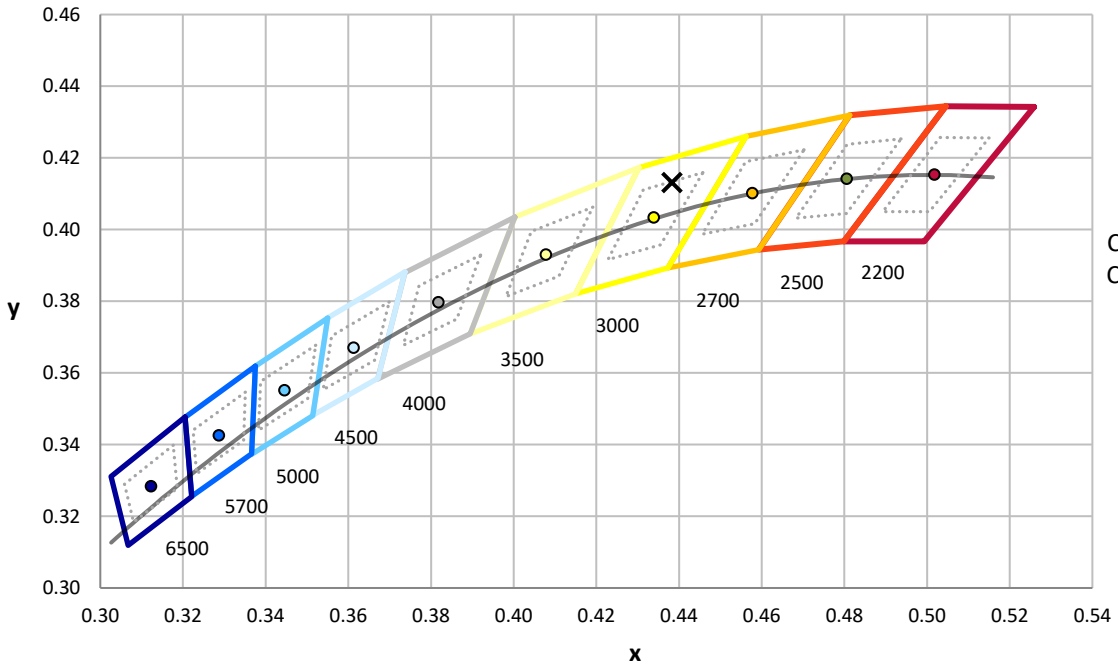
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

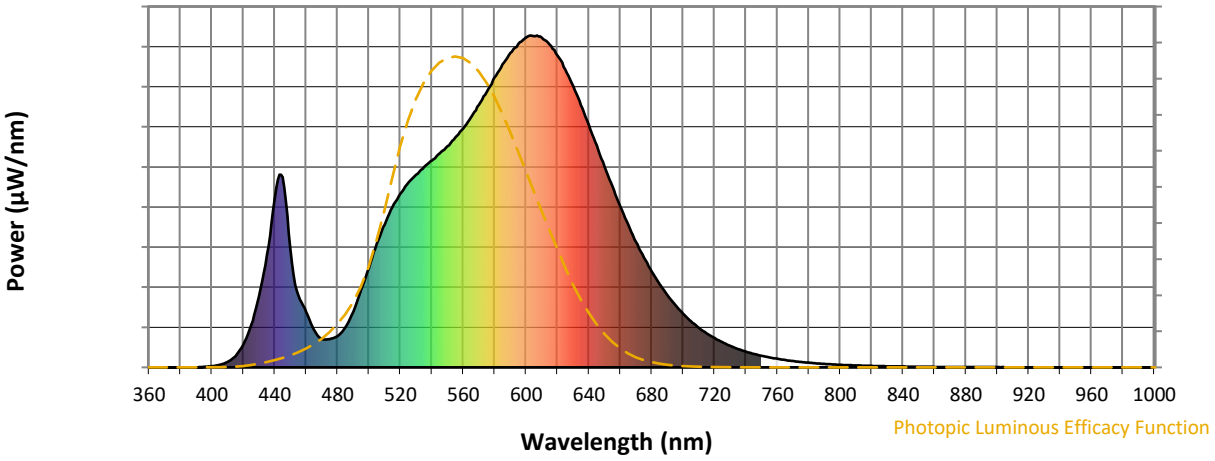


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

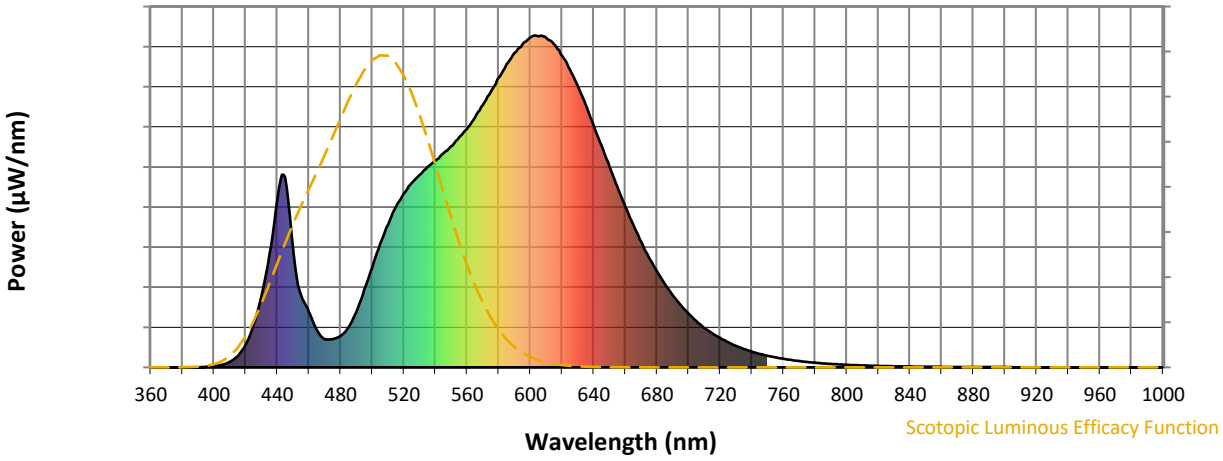


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

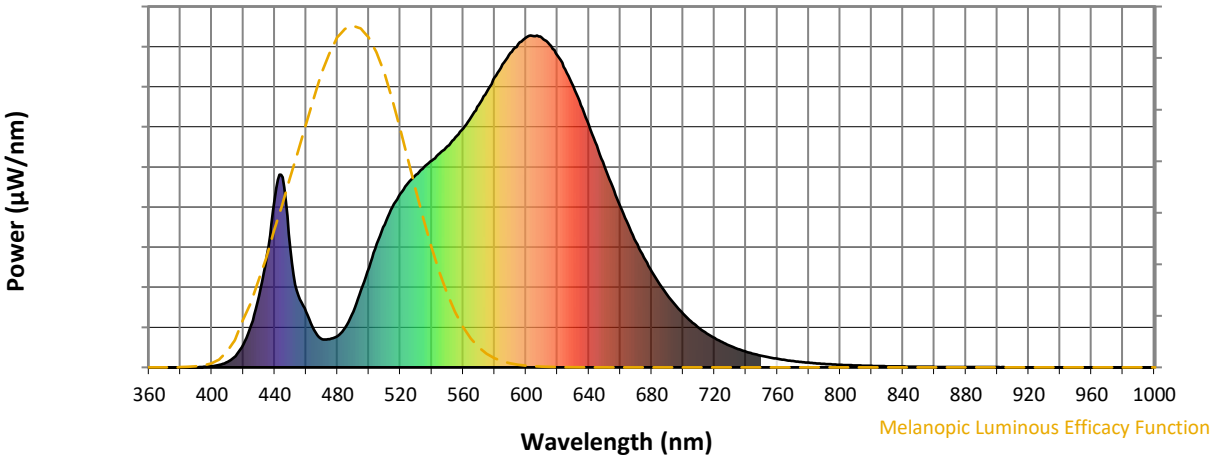


Scotopic Lumens: NR **S/P: 1.27**

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			

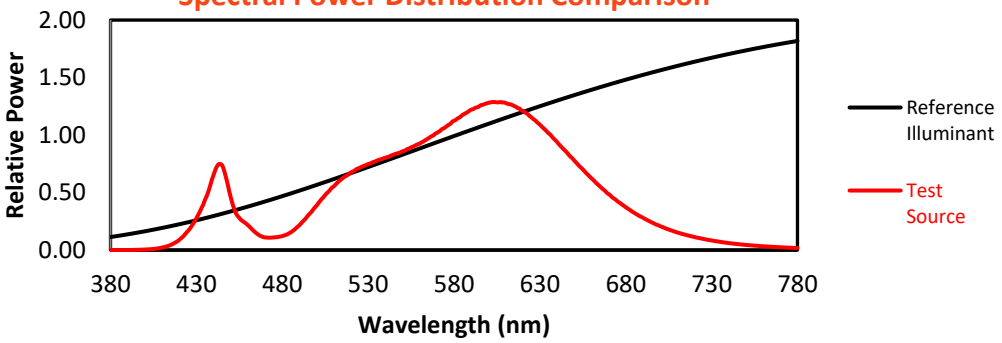
REPORT NUMBER: SP1-2408-195-9

TM-30-18

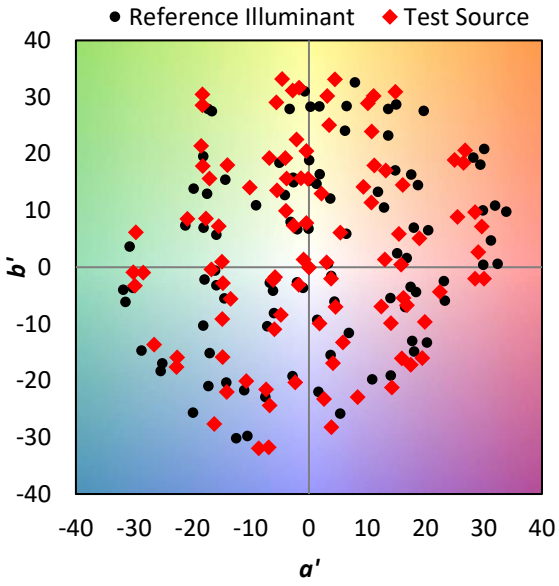
Summary

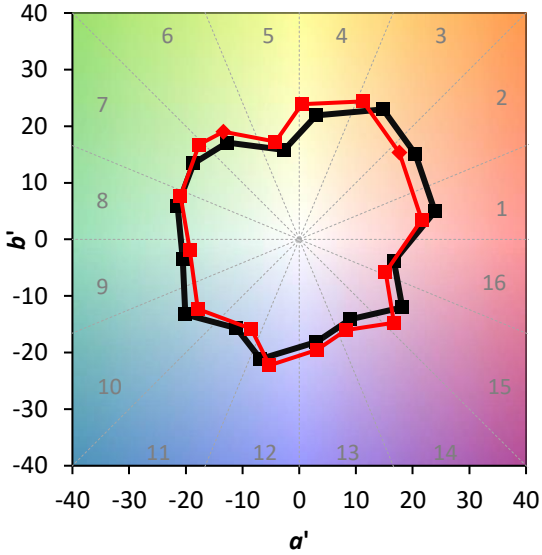
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

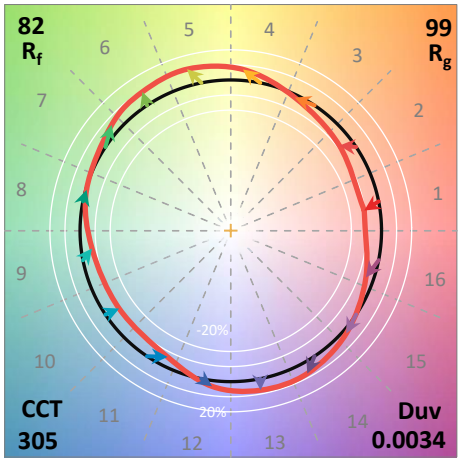
Spectral Power Distribution Comparison

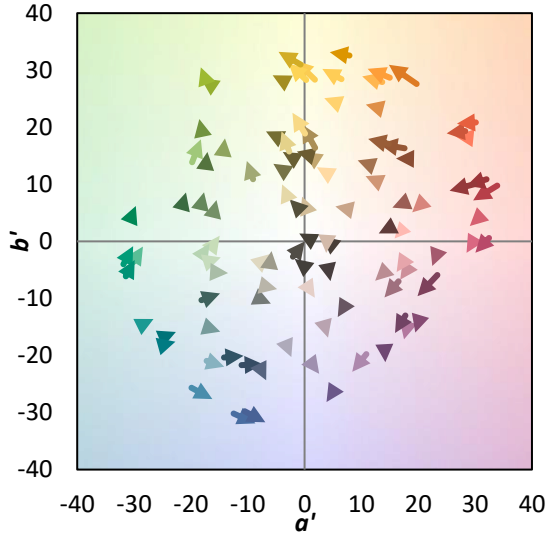


Color Vector Graphics







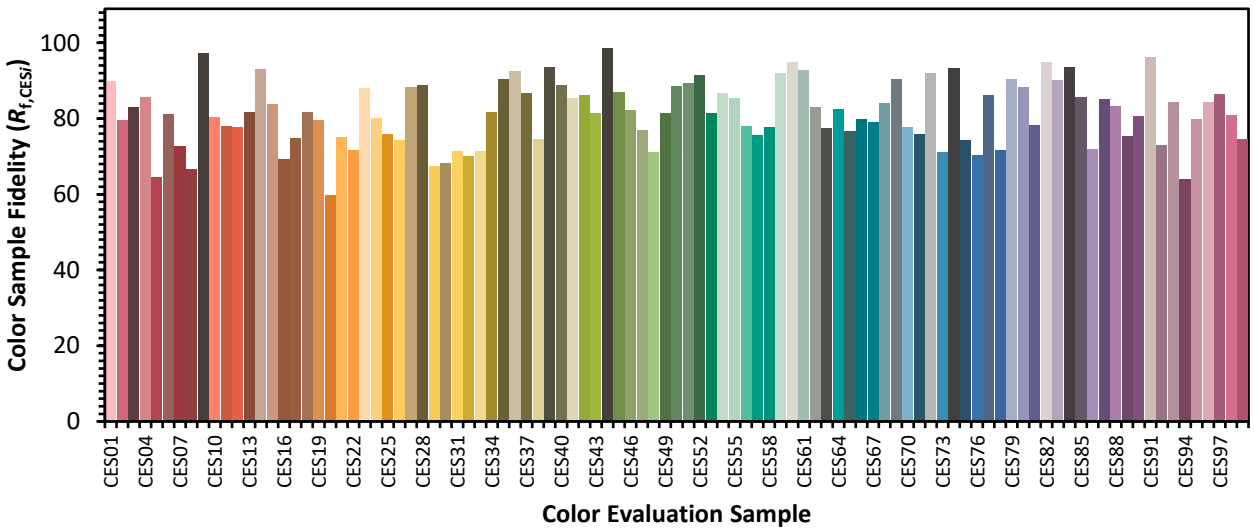


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

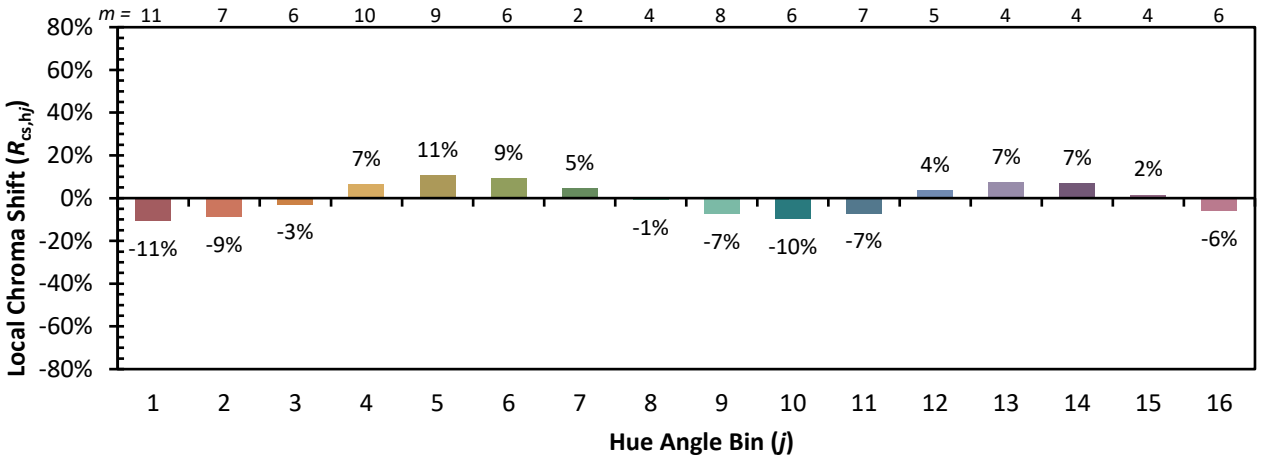
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

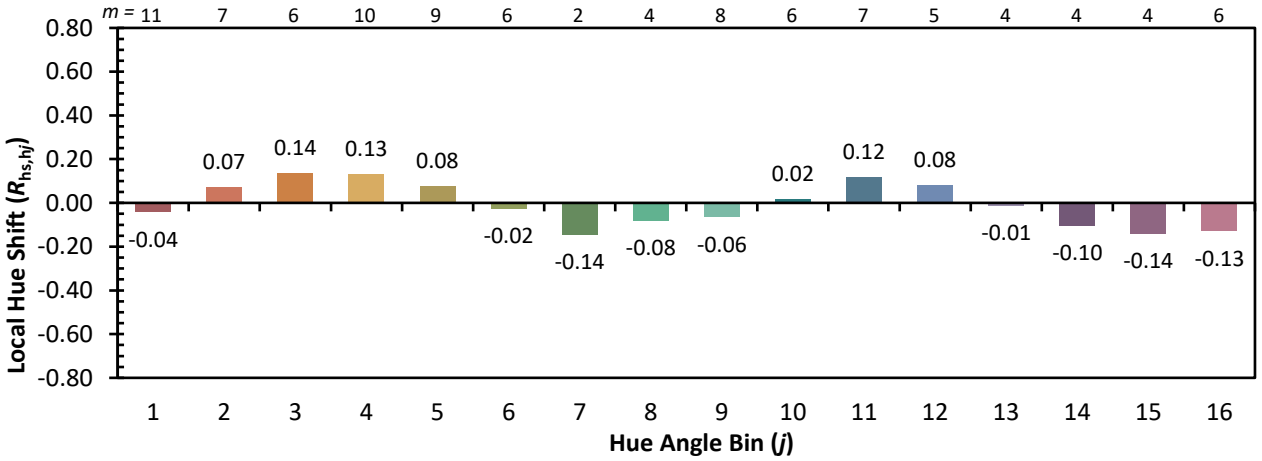


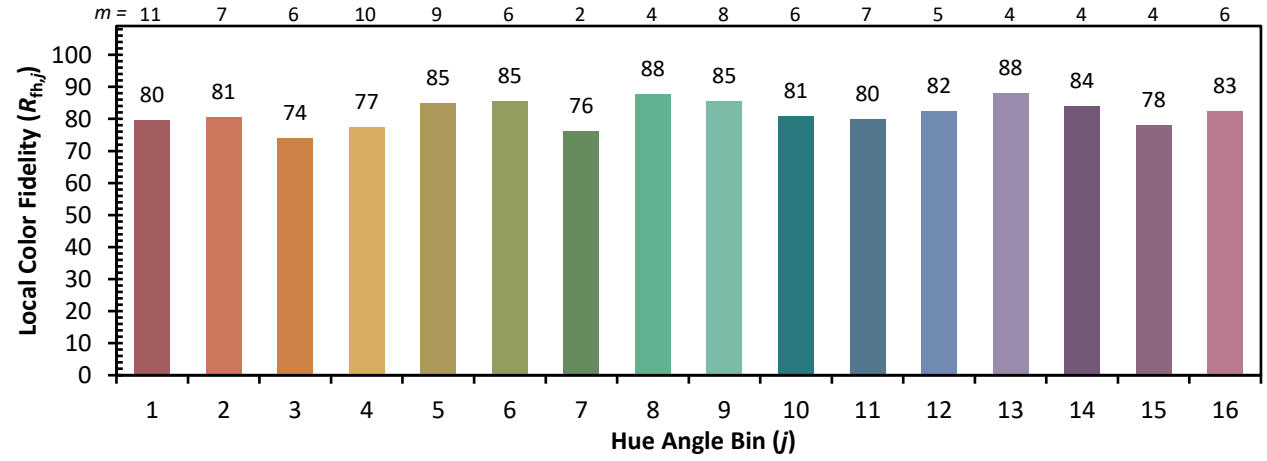
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



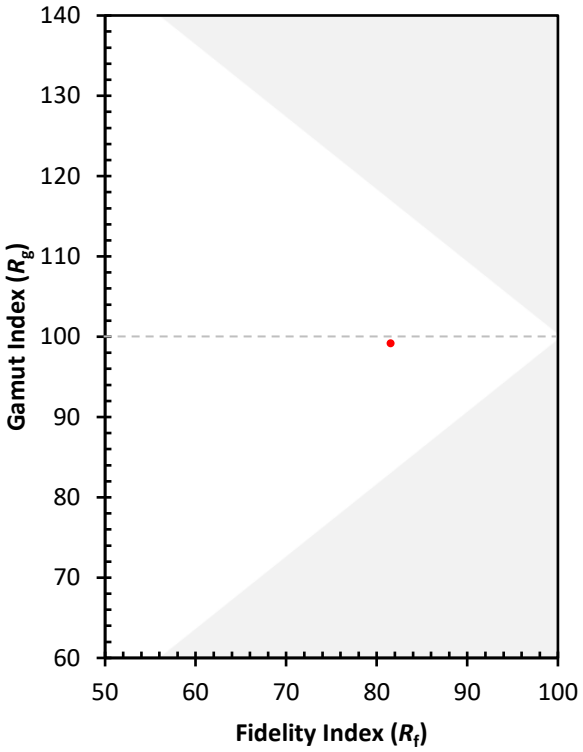


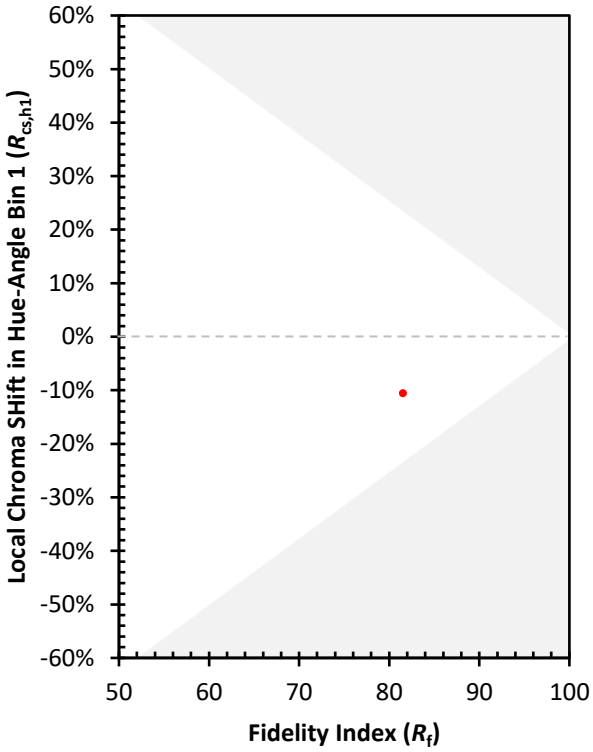


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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