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: P386723

Luminaire Tested: **GPC-SA2B-830-U-SL3**

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:	P386723
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2B-830-U-SL3
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9478 lumens
Efficiency:	N/A
Efficacy:	111.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G3

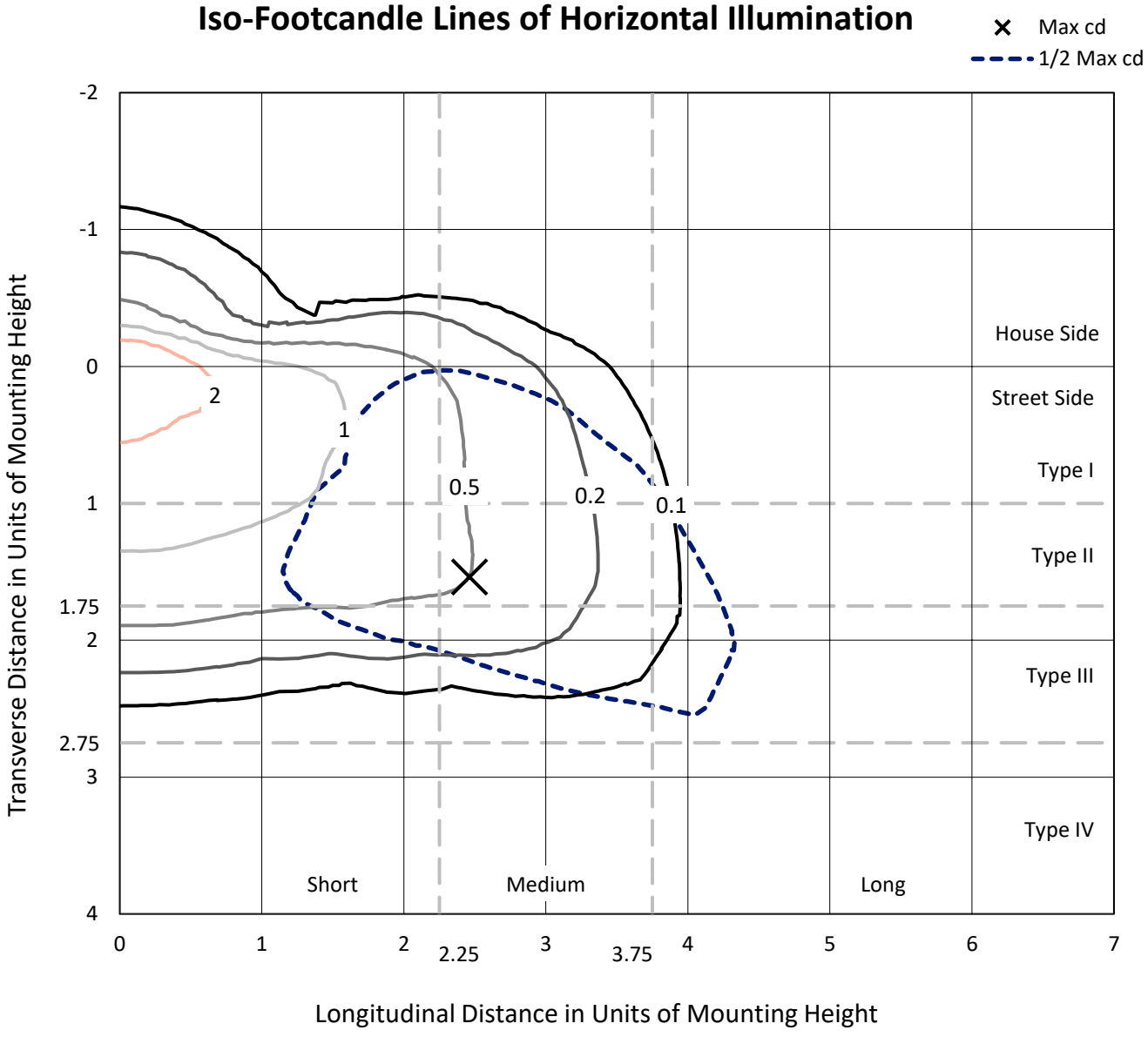
Input Watts (W):	85
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P386723
CATALOG NUMBER: GPC-SA2B-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



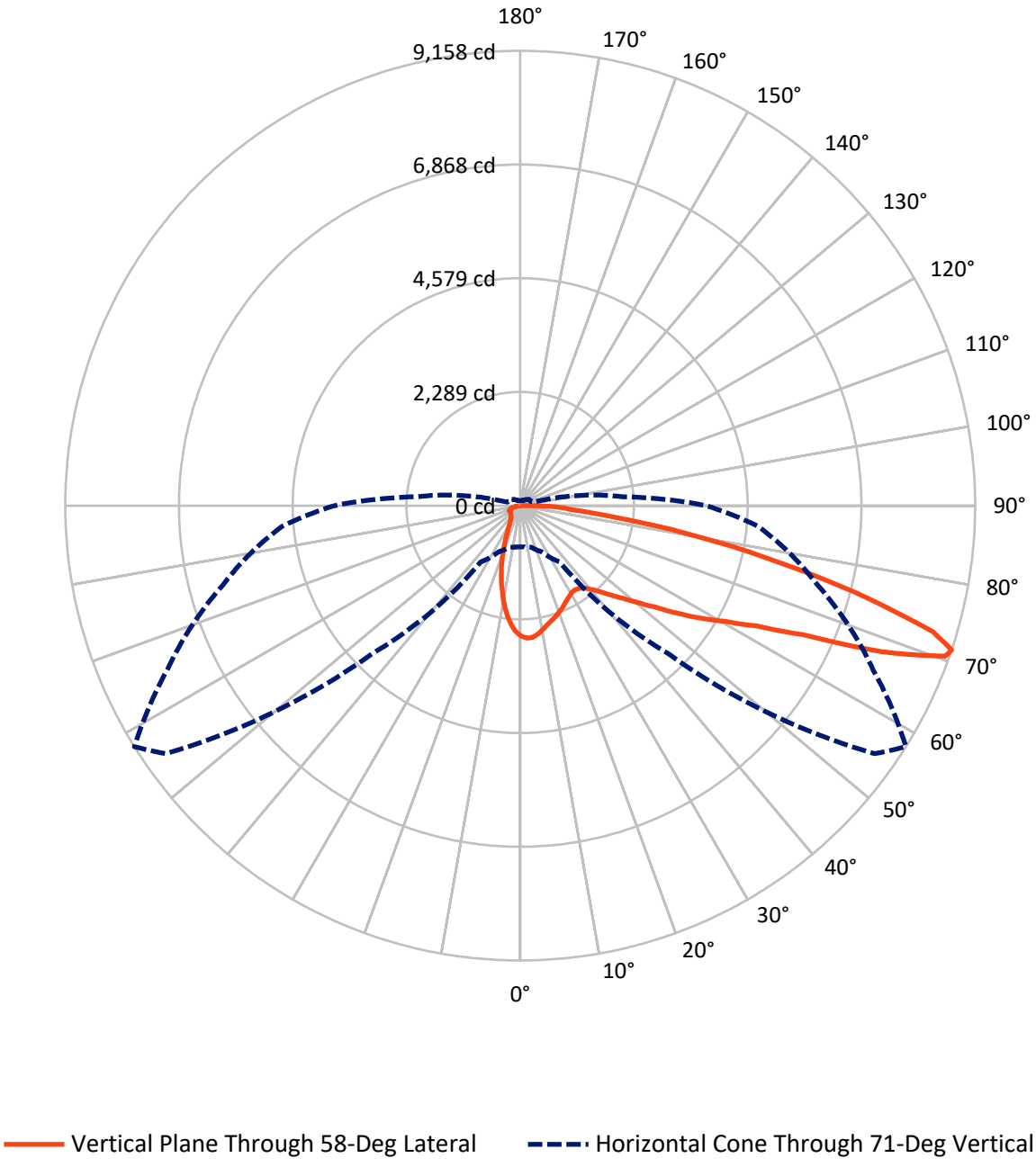
Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P386723
CATALOG NUMBER: GPC-SA2B-830-U-SL3

Luminous Intensity Polar Plot



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

Scaled Data Report

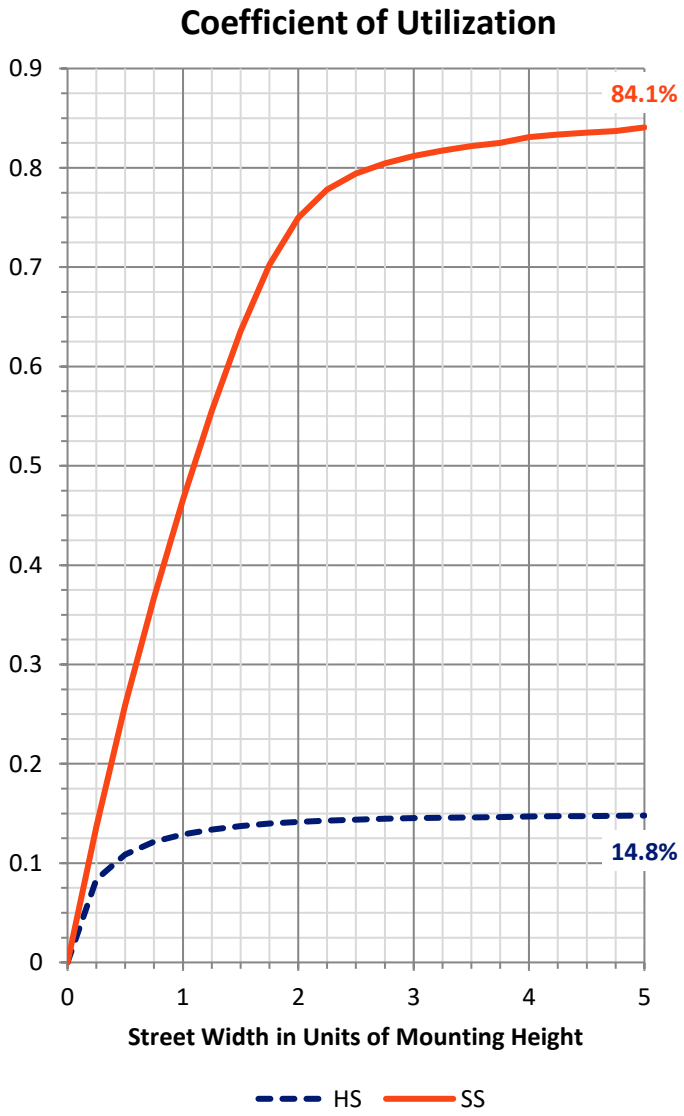
REPORT NUMBER: P386723
CATALOG NUMBER: GPC-SA2B-830-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1417.0	0.0	1417.0
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	8061.0	0.0	8061.0
	% Fixture	85.0	0.0	85.0
Total	Lumens	9478.0	0.0	9478.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.5	2.4
10°-20°	503.8	5.3
20°-30°	640.2	6.8
30°-40°	815.5	8.6
40°-50°	1156.4	12.2
50°-60°	1789.6	18.9
60°-70°	2436.4	25.7
70°-80°	1625.3	17.1
80°-90°	284.2	3.0
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°	9478.0	100.0
0°-180°	9478.0	100.0



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

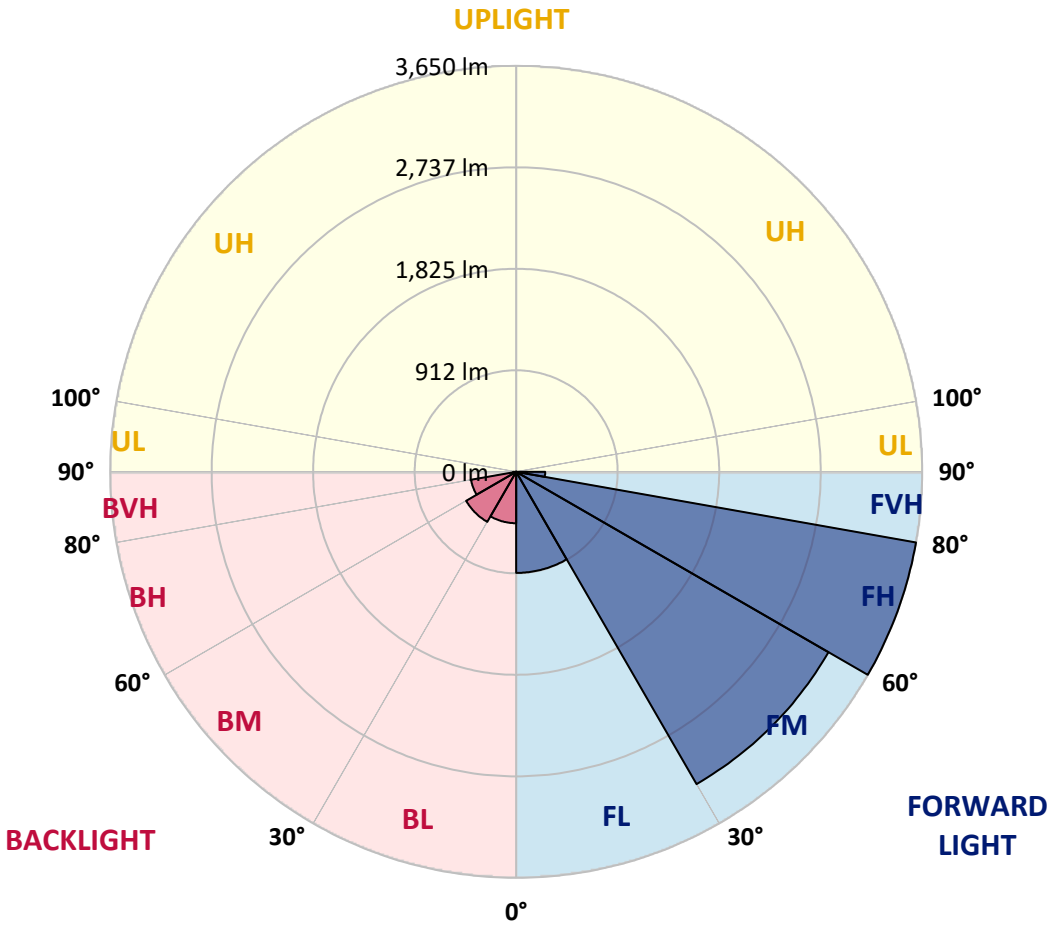
Scaled Data Report

REPORT NUMBER: P386723
CATALOG NUMBER: GPC-SA2B-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	908.6	9.6			
FM	(30°-60°)	3241.9	34.2			
FH	(60°-80°)	3649.9	38.5			G2/5000
FVH	(80°-90°)	260.6	2.7			G3/500
BL	(0°-30°)	461.9	4.9	B1/500		
BM	(30°-60°)	519.7	5.5	B1/1000		
BH	(60°-80°)	411.8	4.3	B1/500		G1/500
BVH	(80°-90°)	23.6	0.2			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 III Medium



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

Scaled Data Report

REPORT NUMBER: P386723
CATALOG NUMBER: GPC-SA2B-830-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2626.0	2626.0	2626.0	2626.0	2626.0	2626.0	2626.0	*2626.0*	2626.0	2626.0	2626.0
2.5°	2695.7	2692.1	2693.4	2690.7	2684.5	2678.2	2669.0	*2670.6*	2657.7	2638.6	2614.8
5°	2644.9	2643.5	2653.4	2659.1	2663.7	2660.0	2657.4	*2660.7*	2641.9	2615.5	2574.2
7.5°	2538.2	2523.7	2536.2	2555.1	2572.9	2586.4	2604.2	*2606.6*	2594.7	2566.9	2512.8
10°	2386.7	2372.8	2391.3	2420.7	2456.3	2488.7	2524.7	*2531.3*	2533.6	2508.5	2442.8
12.5°	2229.5	2219.0	2237.4	2278.7	2337.8	2387.7	2445.1	*2455.0*	2475.5	2458.7	2378.1
15°	2088.9	2084.9	2107.4	2148.0	2216.0	2292.3	2375.1	*2393.3*	2427.9	2422.3	2327.6
17.5°	1967.4	1966.4	1983.6	2026.2	2101.4	2197.8	2305.5	*2336.2*	2387.7	2394.3	2286.0
20°	1876.9	1874.9	1886.8	1918.2	1995.8	2105.1	2230.2	*2272.4*	2346.7	2369.8	2243.1
22.5°	1828.4	1828.1	1828.4	1843.2	1906.6	2008.3	2156.9	*2208.4*	2306.8	2350.4	2195.5
25°	1820.1	1819.1	1811.9	1810.2	1846.2	1927.4	2084.3	*2141.0*	2268.8	2336.8	2150.3
27.5°	1841.6	1842.9	1833.3	1817.8	1825.1	1874.3	2021.2	*2081.9*	2238.4	2334.2	2118.9
30°	1886.2	1885.5	1877.3	1861.1	1846.9	1854.5	1976.3	*2037.0*	2218.0	2345.7	2097.5
32.5°	1935.4	1939.0	1937.3	1928.4	1907.3	1876.9	1962.8	*2022.2*	2212.0	2373.5	2088.2
35°	1994.5	1998.4	2010.3	2017.2	1992.5	1943.6	1991.8	*2043.3*	2229.2	2425.6	2103.1
37.5°	2050.6	2060.8	2094.2	2123.5	2102.4	2047.9	2069.1	*2105.7*	2282.3	2507.8	2143.0
40°	2115.3	2124.2	2178.7	2241.1	2237.8	2181.3	2193.5	*2218.0*	2376.1	2625.7	2215.3
42.5°	2179.0	2196.8	2275.7	2364.2	2389.6	2339.8	2359.3	*2372.2*	2508.2	2781.9	2341.4
45°	2263.9	2283.0	2392.6	2499.3	2558.7	2530.6	2561.7	*2566.6*	2674.2	2994.5	2524.7
47.5°	2392.3	2414.1	2541.9	2653.8	2744.6	2747.5	2798.7	*2796.7*	2881.6	3237.8	2755.5
50°	2592.4	2623.7	2728.4	2833.0	2943.3	3004.7	3073.1	*3063.5*	3130.2	3497.0	3021.2
52.5°	2854.5	2869.0	2946.6	3023.9	3160.9	3298.6	3396.6	*3388.0*	3412.1	3763.4	3323.0
55°	3126.2	3137.1	3169.1	3211.4	3395.6	3620.1	3827.5	*3813.9*	3752.9	4040.1	3621.1
57.5°	3370.5	3392.7	3414.8	3432.3	3632.0	3956.2	4268.2	*4269.2*	4122.6	4338.5	3929.2
60°	3408.5	3428.0	3574.2	3712.2	4036.5	4404.6	4740.0	*4730.1*	4505.3	4662.4	4272.5
62.5°	3013.0	3056.9	3301.2	3668.3	4426.0	5224.7	5341.9	*5329.7*	4962.9	5061.6	4672.3
65°	2159.2	2209.1	2503.9	3055.6	4237.2	6128.3	6428.1	*6263.7*	5586.9	5552.5	5140.5
67.5°	1245.7	1257.6	1385.3	1828.4	3226.3	6175.5	8085.1	*7855.0*	6555.9	6109.5	5369.6
70°	921.1	920.8	951.2	1125.2	1745.9	5040.1	8873.2	*9079.5*	7576.0	6292.7	5045.7
71°	*833.0*	*834.0*	*868.0*	*1024.1*	*1382.7*	*4218.7*	*8705.8*	*9157.5*	*7844.8*	*6202.3*	*4811.3*
72.5°	712.5	715.8	763.0	918.5	1163.1	2909.3	7984.8	*8690.0*	7972.2	5979.1	4444.5
75°	540.5	548.1	613.4	774.2	1063.1	1475.5	5860.2	*6939.2*	7082.1	5275.9	3302.5
77.5°	385.6	394.2	468.2	651.1	1010.6	1112.0	3924.5	*5061.6*	5211.8	3381.1	1489.7
80°	243.7	253.9	309.7	518.0	949.5	1055.8	2466.2	*3402.2*	2842.0	1081.9	379.0
82.5°	143.0	150.9	192.1	338.4	775.5	1016.9	1451.0	*1885.8*	1106.0	326.9	172.3
85°	82.9	86.5	119.8	215.6	563.2	959.8	1066.1	*1054.2*	480.0	159.8	81.5
87.5°	38.6	42.9	71.0	112.6	312.7	695.6	842.6	*728.0*	298.5	74.9	38.3
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: P386723
CATALOG NUMBER: GPC-SA2B-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2626.0	2626.0	2626.0	2626.0	2626.0	2626.0	2626.0	2626.0	2626.0	2626.0	2626.0
2.5°	2603.3	2597.6	2574.2	2553.4	2531.6	2503.2	2471.9	2467.9	2448.7	2452.4	2445.8
5°	2551.8	2537.6	2481.1	2429.9	2369.5	2315.4	2256.6	2229.5	2190.6	2187.9	2178.0
7.5°	2478.1	2451.7	2364.2	2267.2	2170.1	2077.7	1986.2	1926.1	1864.7	1838.6	1836.3
10°	2395.3	2350.4	2221.6	2078.0	1938.0	1803.0	1672.2	1575.5	1488.3	1447.1	1445.4
12.5°	2316.7	2250.3	2073.7	1878.2	1686.8	1511.8	1332.5	1205.4	1096.1	1059.5	1043.9
15°	2250.0	2156.6	1929.7	1679.8	1447.4	1204.4	1000.4	866.7	765.6	730.6	724.0
17.5°	2185.3	2065.1	1782.2	1479.4	1198.5	931.4	727.0	627.6	573.8	559.6	559.3
20°	2120.9	1971.0	1628.0	1274.4	957.8	696.6	558.9	514.4	496.2	494.6	491.9
22.5°	2047.9	1871.3	1465.9	1068.7	747.5	547.7	475.1	457.3	455.0	460.9	460.9
25°	1979.6	1772.3	1301.5	867.3	581.4	456.9	424.2	420.6	426.9	437.5	438.4
27.5°	1915.9	1676.8	1141.0	688.4	465.8	402.5	388.9	393.2	404.4	416.7	417.0
30°	1863.4	1586.7	985.2	542.4	393.5	361.8	359.5	368.1	380.3	389.9	392.2
32.5°	1822.8	1509.8	834.6	436.1	346.3	331.5	333.5	340.7	348.3	353.6	357.2
35°	1804.0	1443.8	695.6	367.8	316.3	308.0	310.7	314.6	317.9	321.9	324.9
37.5°	1807.3	1392.6	571.5	325.2	296.1	291.9	291.9	291.9	291.9	293.8	294.2
40°	1838.0	1363.2	470.5	298.1	282.6	278.0	274.4	271.1	268.4	269.7	269.1
42.5°	1916.5	1360.6	396.5	281.0	271.7	264.1	256.9	252.2	248.9	250.3	250.9
45°	2049.9	1393.6	346.7	268.7	261.5	249.9	240.7	235.7	233.4	237.7	238.4
47.5°	2222.6	1465.6	316.3	259.8	251.9	236.7	226.8	222.2	222.9	229.1	230.8
50°	2445.1	1582.4	301.8	254.2	245.3	225.5	215.3	211.3	213.3	222.2	224.2
52.5°	2689.4	1750.8	303.4	252.6	241.0	217.2	206.3	201.7	205.0	213.3	214.9
55°	2971.4	1953.2	330.8	254.9	234.7	212.0	199.1	191.2	193.8	201.4	202.7
57.5°	3284.7	2185.0	385.9	254.2	226.8	207.0	191.5	179.6	181.6	186.2	187.5
60°	3610.9	2464.9	471.5	256.2	223.2	201.1	181.3	166.4	165.7	169.7	170.4
62.5°	4002.4	2788.8	569.2	257.5	225.5	193.5	167.7	153.2	151.2	152.2	152.9
65°	4405.9	3023.2	532.5	252.2	232.8	187.2	155.8	140.3	136.7	136.0	136.4
67.5°	4418.4	2772.0	373.4	241.7	235.7	183.9	146.9	129.4	123.5	121.2	120.8
70°	3962.5	2252.0	290.9	230.4	223.8	178.6	138.7	120.5	111.6	108.0	107.6
71°	*3740.0*	*2073.0*	*275.7*	*224.8*	*214.9*	*173.3*	*135.0*	*116.5*	*107.3*	*103.3*	*102.7*
72.5°	3391.0	1858.4	257.2	215.9	197.8	159.8	128.1	110.9	101.4	96.7	95.7
75°	2433.6	1215.3	220.9	192.5	163.8	127.4	112.3	99.7	91.5	85.8	85.2
77.5°	937.6	483.7	167.1	160.1	125.5	99.7	92.4	86.2	80.2	74.6	74.3
80°	289.9	216.3	121.8	120.5	90.8	74.3	72.0	70.3	68.0	62.1	60.7
82.5°	154.8	124.1	83.9	77.9	59.4	49.5	52.2	52.8	53.2	46.9	46.2
85°	74.0	65.7	47.2	44.2	34.7	27.7	32.0	34.7	35.0	28.7	26.7
87.5°	35.3	34.3	22.1	16.8	12.9	9.2	11.2	13.9	15.2	10.9	9.6
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

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

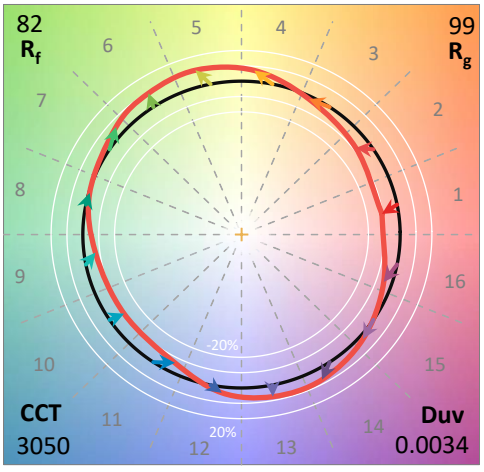
Test Information

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

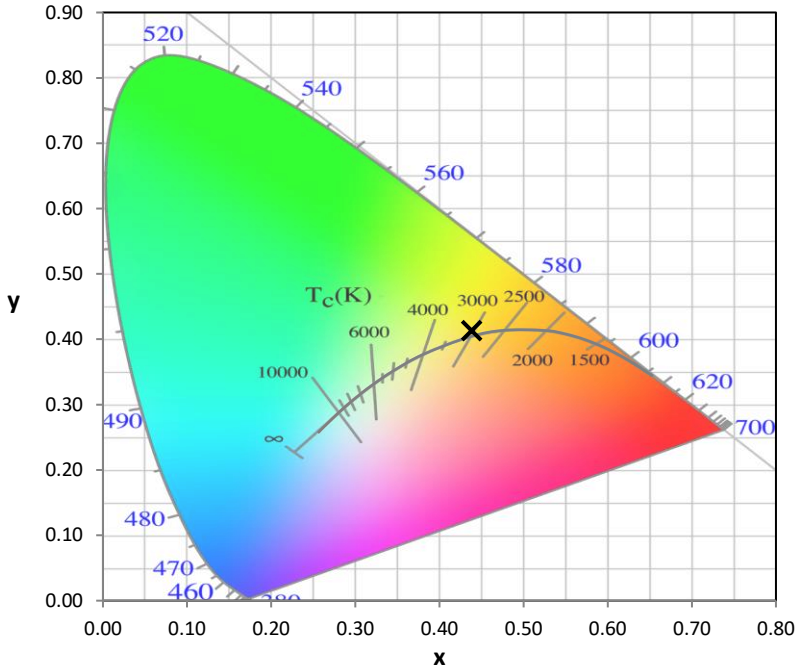
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

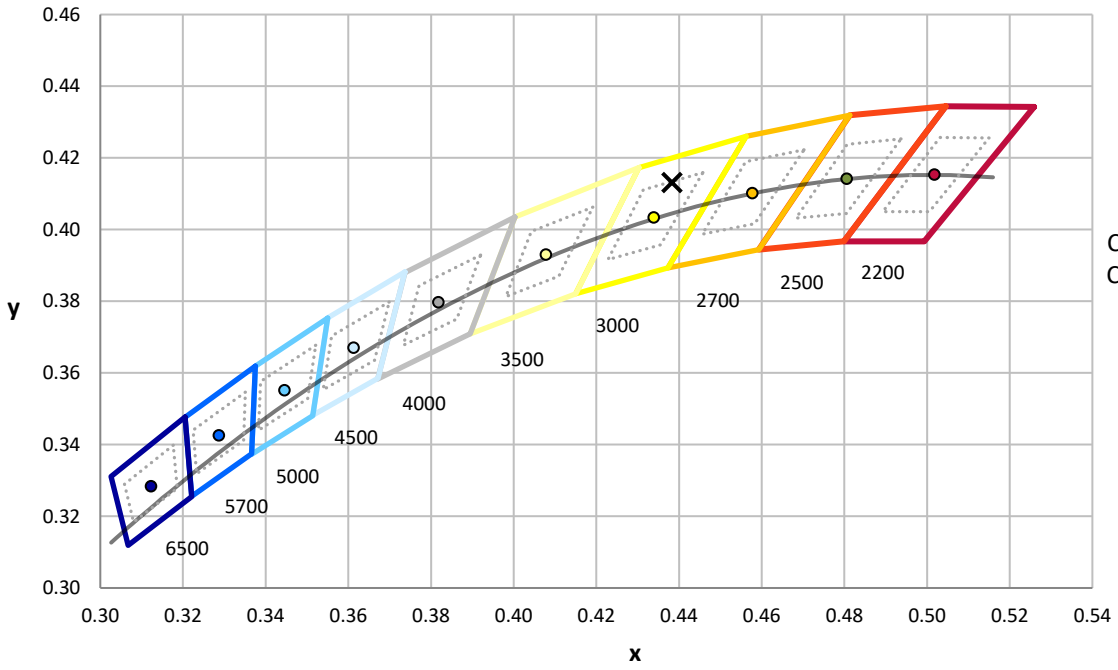
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

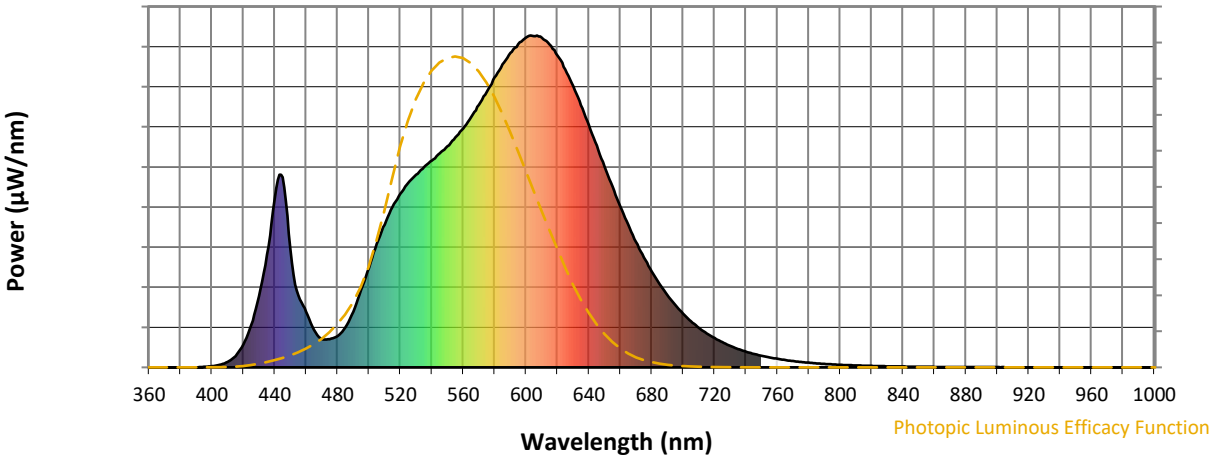


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

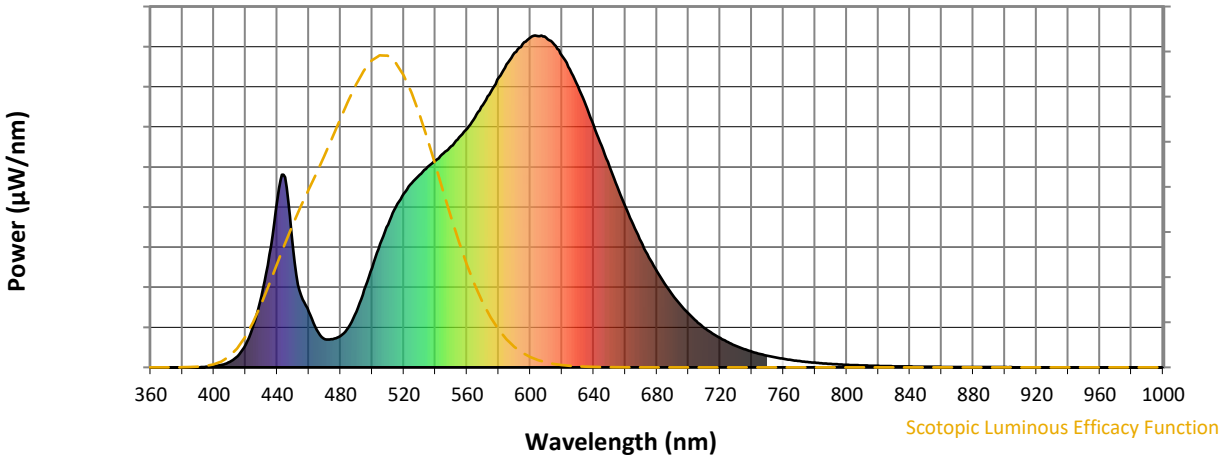


Photopic Lumens: NR

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

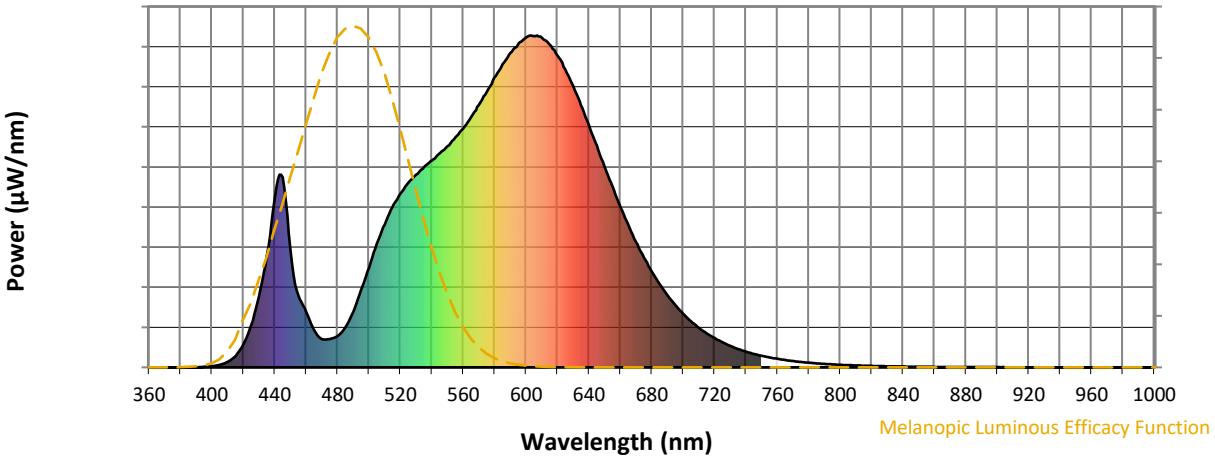


Scotopic Lumens: NR **S/P: 1.27**

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			

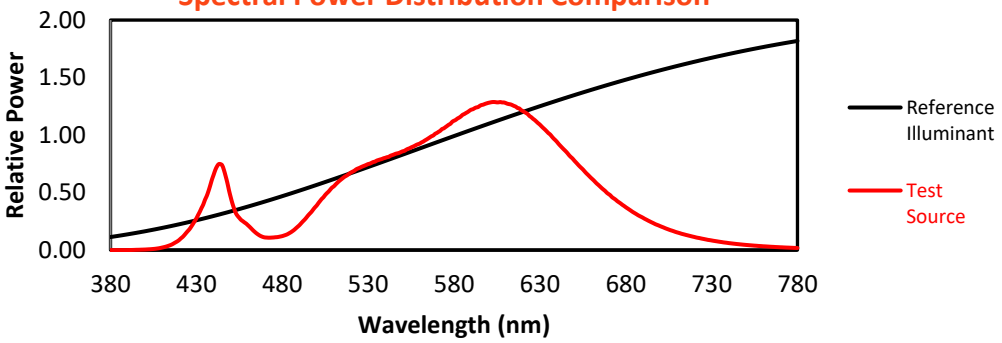
REPORT NUMBER: SP1-2408-195-9

TM-30-18

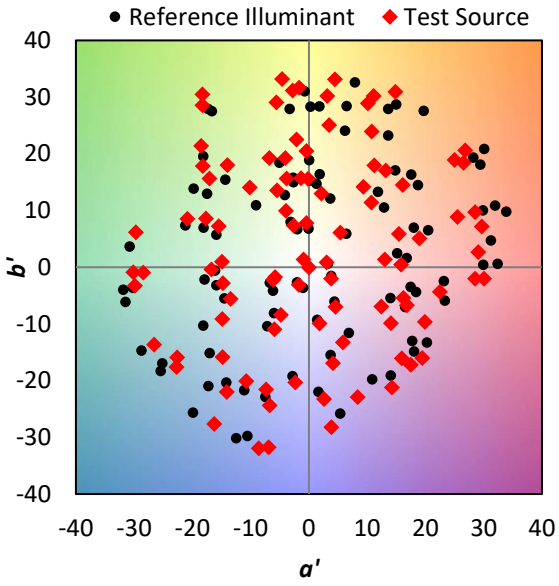
Summary

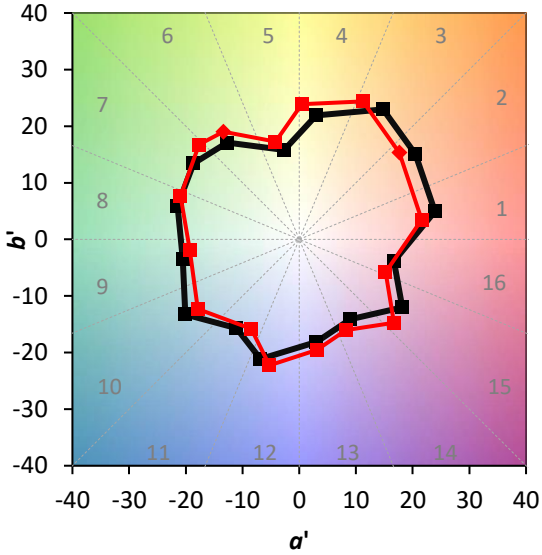
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

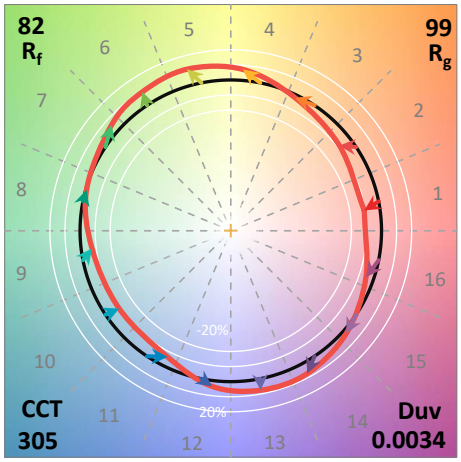
Spectral Power Distribution Comparison

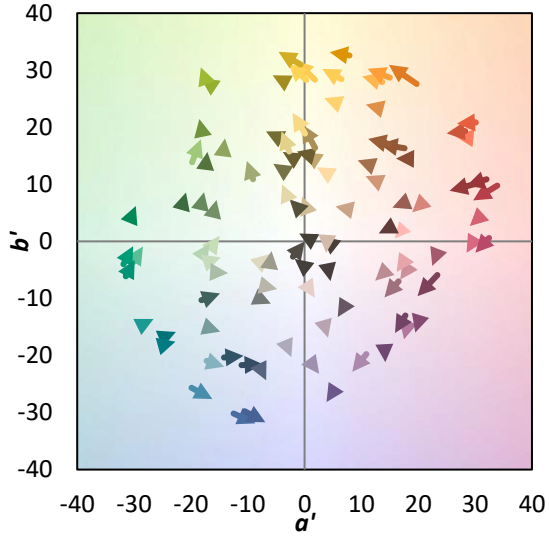


Color Vector Graphics







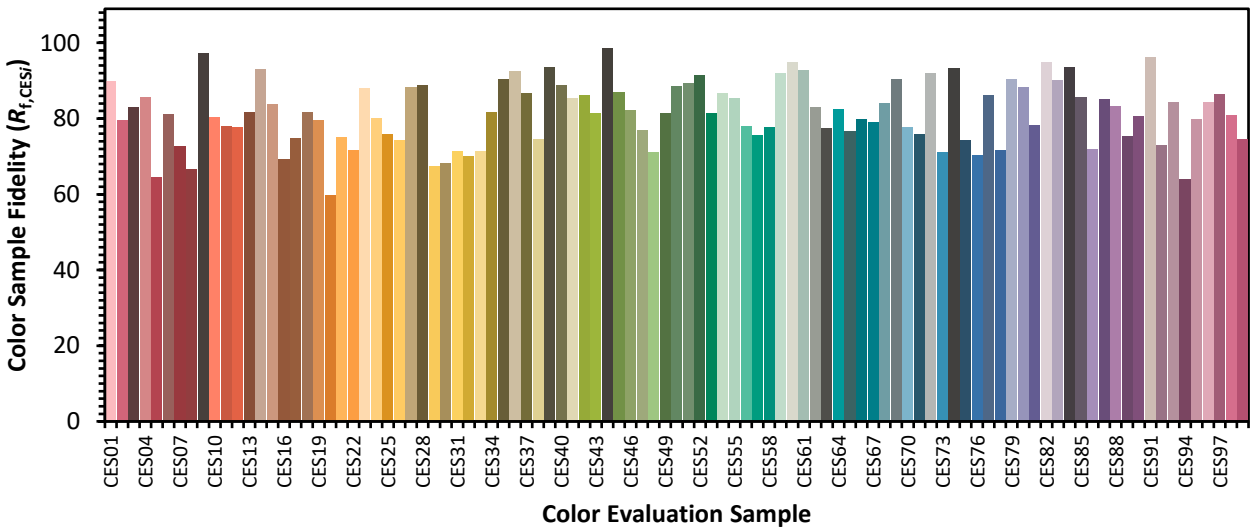


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

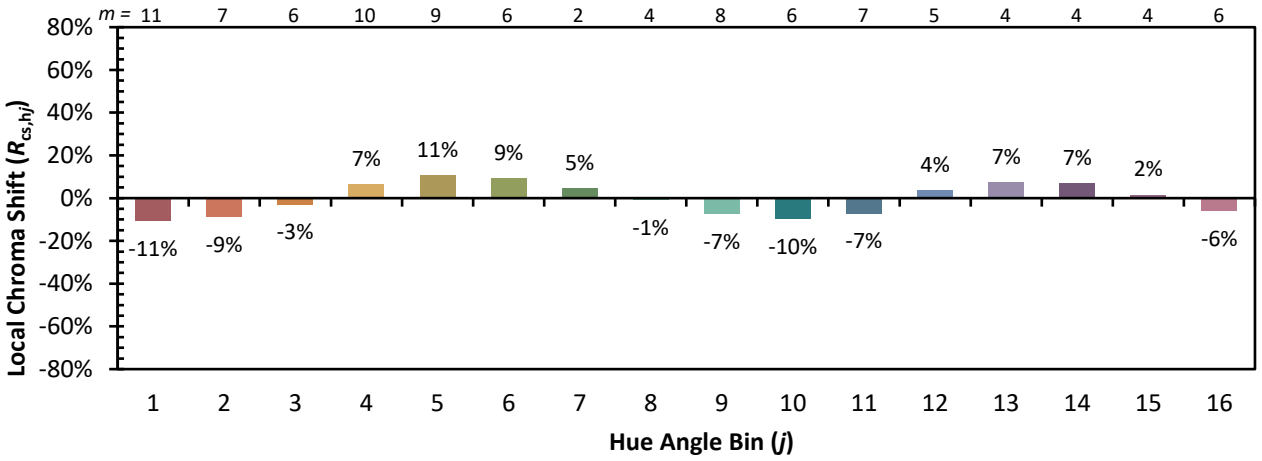
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

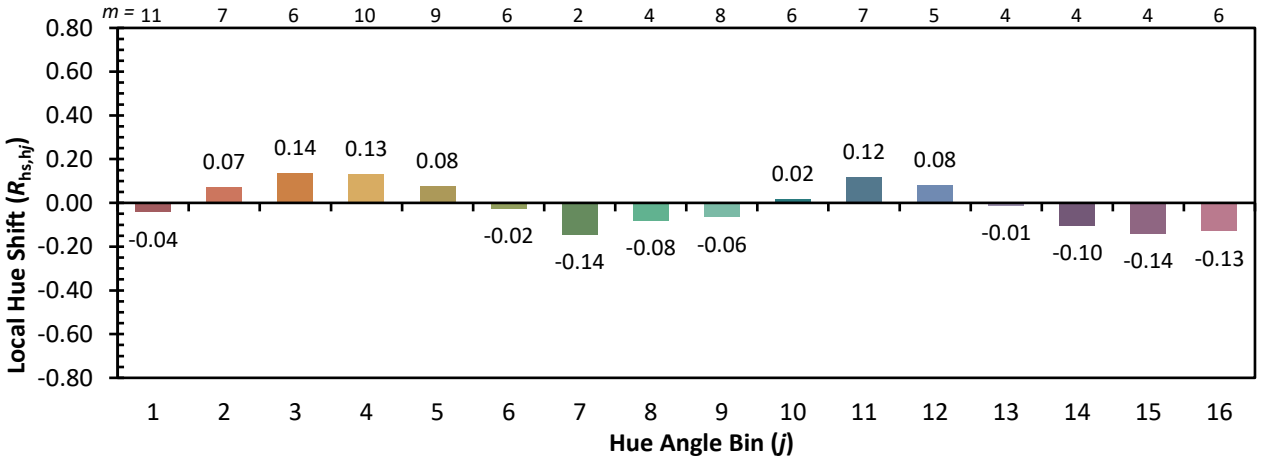


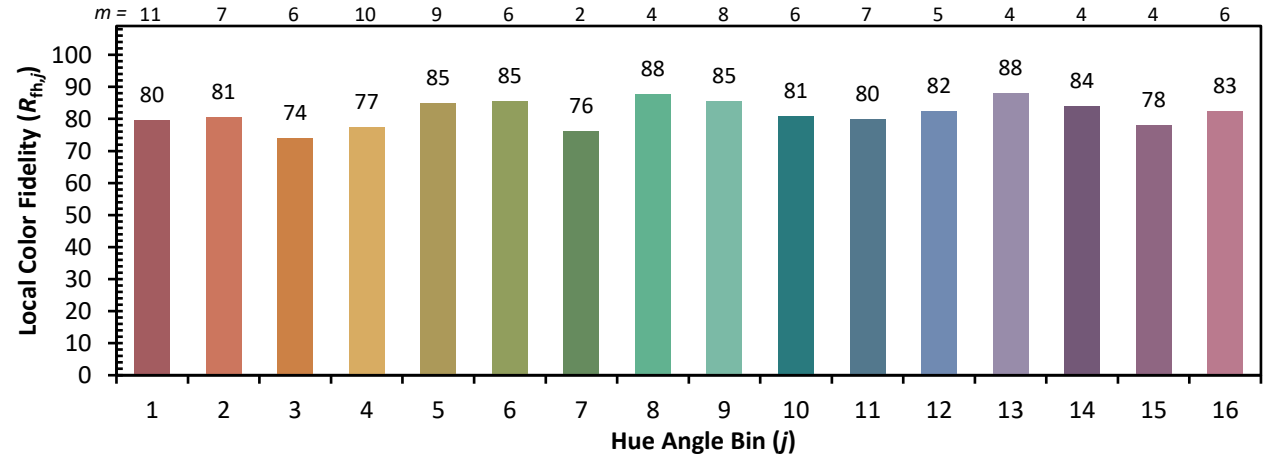
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



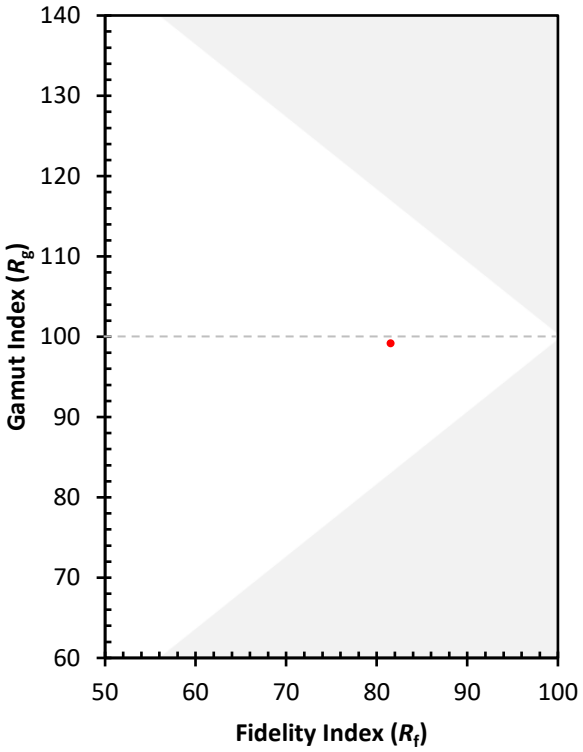


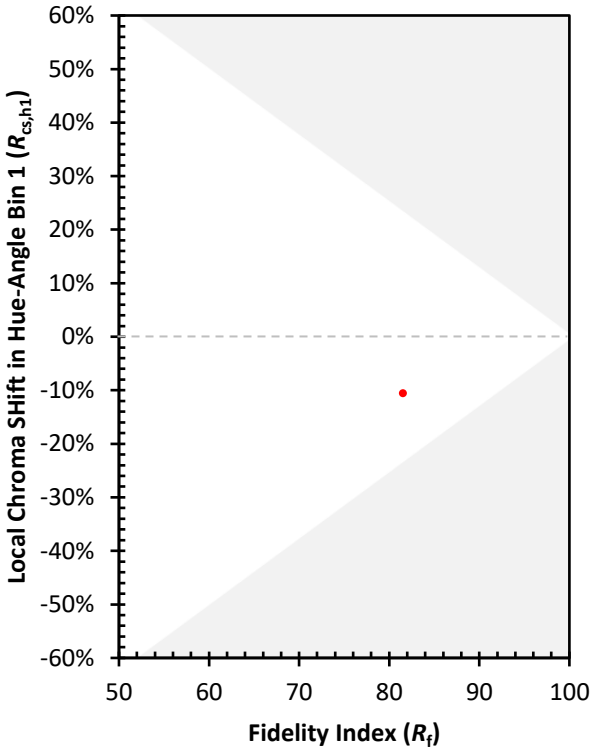


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)