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: P386947

Luminaire Tested: **GPC-SA2C-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:	P386947
	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-SA2C-830-U-SL3
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA 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:	11731 lumens
Efficiency:	N/A
Efficacy:	105.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G3

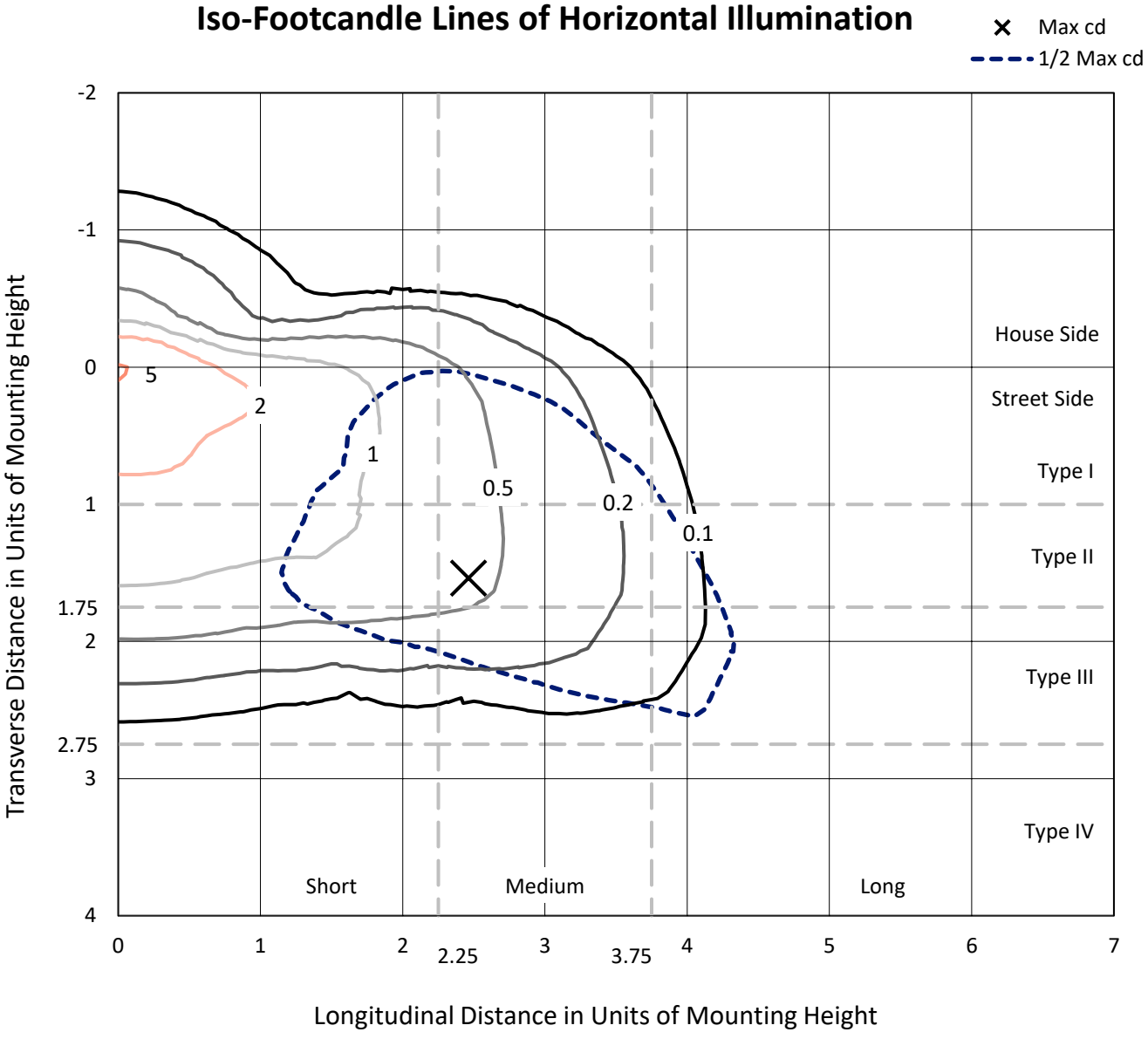
Input Watts (W):	111
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P386947
CATALOG NUMBER: GPC-SA2C-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



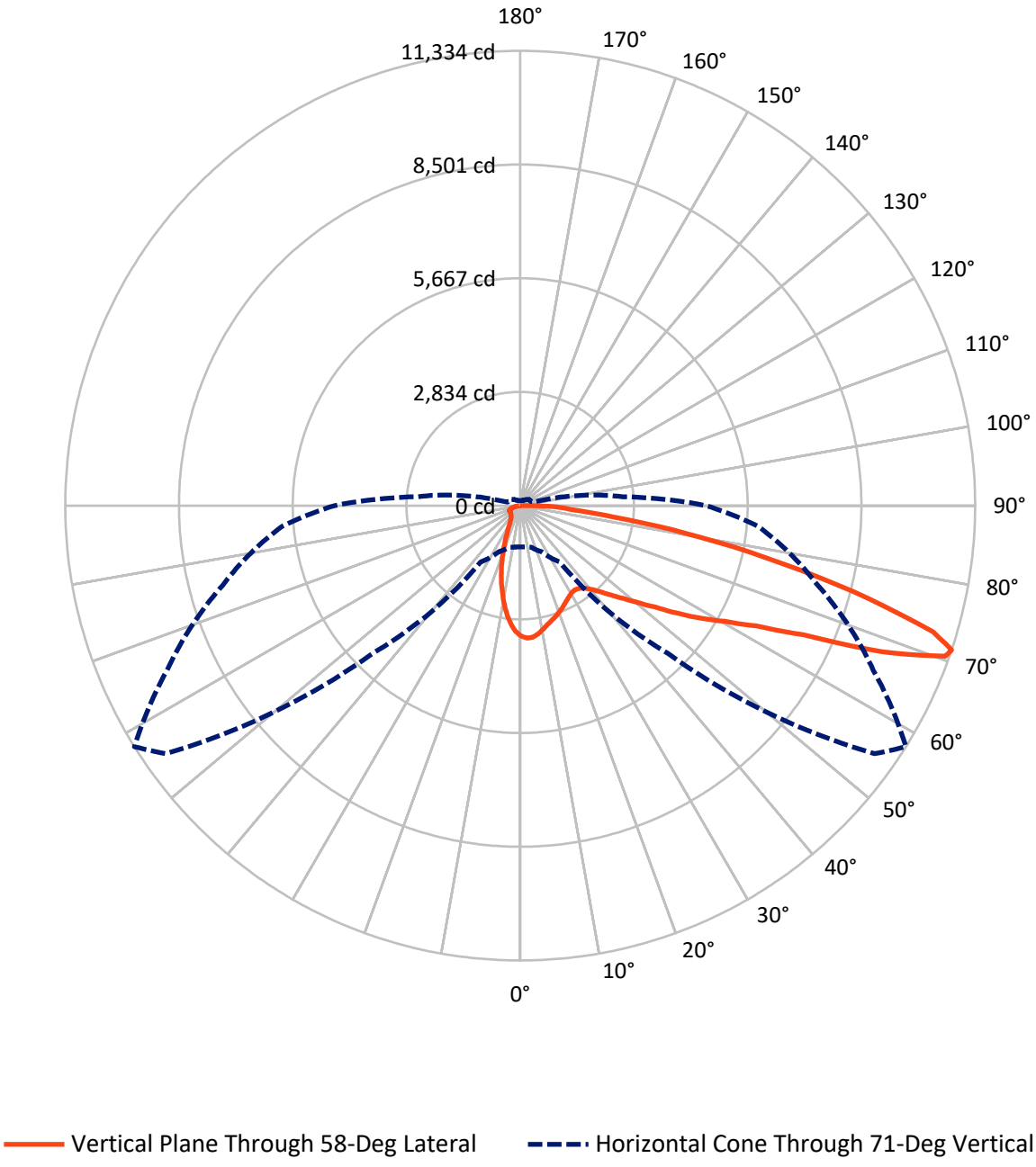
Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P386947
CATALOG NUMBER: GPC-SA2C-830-U-SL3

Luminous Intensity Polar Plot



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

Scaled Data Report

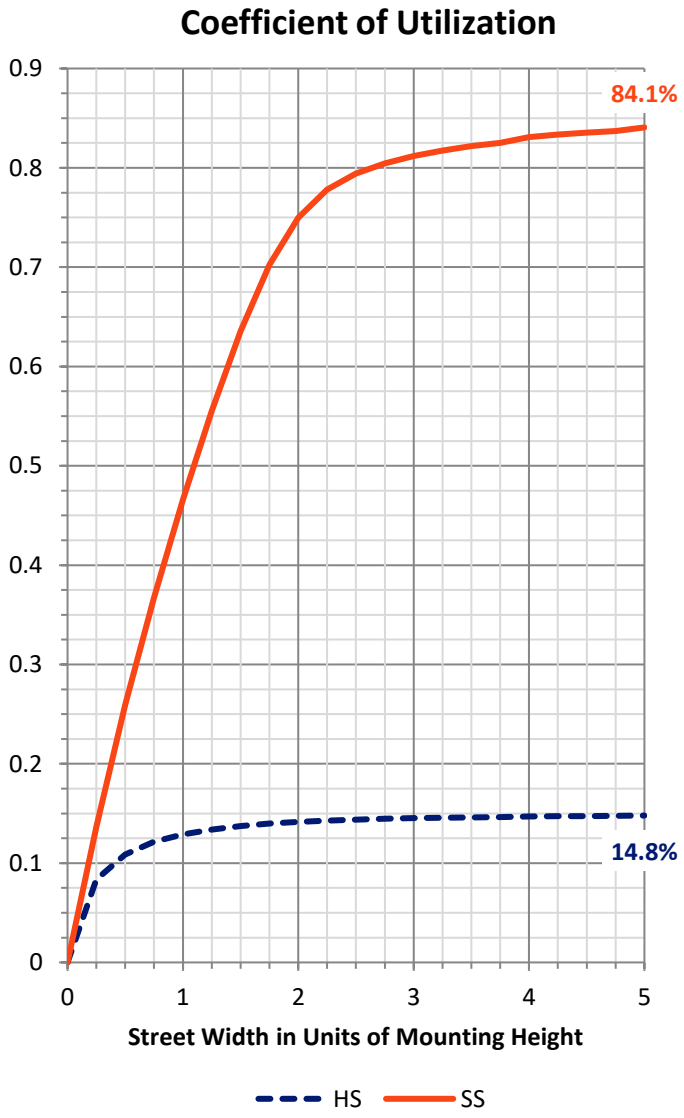
REPORT NUMBER: P386947
CATALOG NUMBER: GPC-SA2C-830-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1753.9	0.0	1753.9
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	9977.1	0.0	9977.1
	% Fixture	85.0	0.0	85.0
Total	Lumens	11731.0	0.0	11731.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.4	2.4
10°-20°	623.5	5.3
20°-30°	792.4	6.8
30°-40°	1009.4	8.6
40°-50°	1431.3	12.2
50°-60°	2215.1	18.9
60°-70°	3015.5	25.7
70°-80°	2011.7	17.1
80°-90°	351.7	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°	11731.0	100.0
0°-180°	11731.0	100.0



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

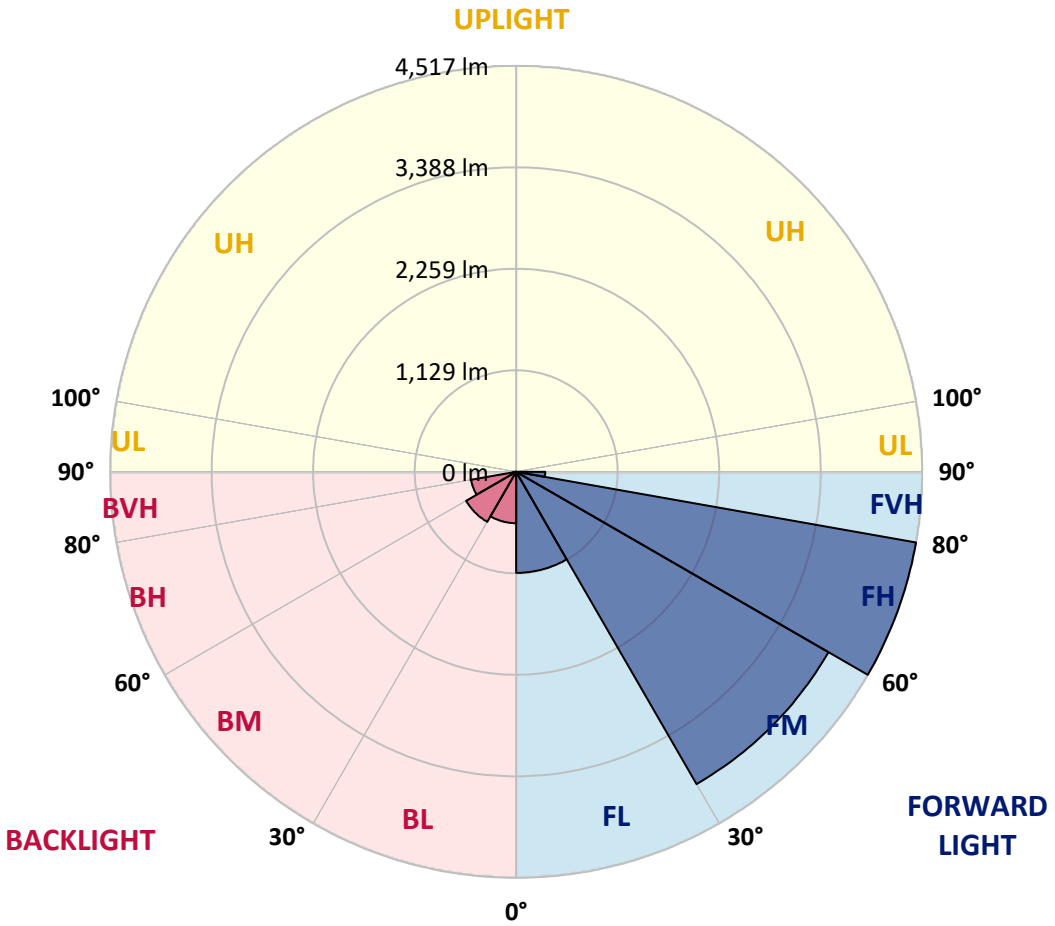
Scaled Data Report

REPORT NUMBER: P386947
CATALOG NUMBER: GPC-SA2C-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1124.6	9.6			
FM	(30°-60°)	4012.6	34.2			
FH	(60°-80°)	4517.5	38.5			G2/5000
FVH	(80°-90°)	322.5	2.7			G3/500
BL	(0°-30°)	571.7	4.9	B2/1000		
BM	(30°-60°)	643.2	5.5	B1/1000		
BH	(60°-80°)	509.7	4.3	B2/1000		G2/1000
BVH	(80°-90°)	29.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Medium



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

Scaled Data Report

REPORT NUMBER: P386947
CATALOG NUMBER: GPC-SA2C-830-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3250.3	3250.3	3250.3	3250.3	3250.3	3250.3	3250.3	3250.3	3250.3	3250.3	3250.3
2.5°	3336.5	3332.0	3333.6	3330.4	3322.6	3314.8	3303.4	3305.4	3289.5	3265.8	3236.4
5°	3273.6	3271.9	3284.2	3291.1	3296.9	3292.4	3289.1	3293.2	3269.9	3237.2	3186.1
7.5°	3141.6	3123.6	3139.1	3162.4	3184.5	3201.2	3223.3	3226.2	3211.5	3177.1	3110.1
10°	2954.0	2936.8	2959.7	2996.1	3040.2	3080.3	3124.8	3133.0	3135.9	3104.8	3023.5
12.5°	2759.5	2746.4	2769.3	2820.4	2893.5	2955.2	3026.3	3038.6	3063.9	3043.1	2943.4
15°	2585.4	2580.5	2608.3	2658.6	2742.7	2837.1	2939.7	2962.2	3005.1	2998.1	2880.9
17.5°	2435.0	2433.8	2455.1	2507.8	2601.0	2720.3	2853.5	2891.5	2955.2	2963.4	2829.4
20°	2323.1	2320.6	2335.3	2374.2	2470.2	2605.4	2760.3	2812.6	2904.6	2933.2	2776.3
22.5°	2263.0	2262.6	2263.0	2281.4	2359.9	2485.7	2669.6	2733.3	2855.1	2909.1	2717.4
25°	2252.8	2251.6	2242.6	2240.5	2285.1	2385.6	2579.7	2650.0	2808.1	2892.3	2661.4
27.5°	2279.4	2281.0	2269.1	2249.9	2258.9	2319.8	2501.7	2576.8	2770.5	2889.0	2622.6
30°	2334.5	2333.7	2323.5	2303.5	2285.9	2295.3	2446.1	2521.3	2745.2	2903.3	2596.0
32.5°	2395.4	2399.9	2397.9	2386.8	2360.7	2323.1	2429.3	2502.9	2737.8	2937.7	2584.6
35°	2468.6	2473.5	2488.2	2496.8	2466.1	2405.6	2465.3	2529.0	2759.1	3002.2	2603.0
37.5°	2538.0	2550.7	2592.0	2628.3	2602.2	2534.8	2560.9	2606.3	2824.9	3104.0	2652.4
40°	2618.1	2629.1	2696.6	2773.8	2769.7	2699.8	2715.0	2745.2	2940.9	3249.9	2741.9
42.5°	2697.0	2719.0	2816.7	2926.2	2957.7	2896.0	2920.1	2936.0	3104.4	3443.1	2898.0
45°	2802.0	2825.7	2961.4	3093.4	3166.9	3132.2	3170.6	3176.7	3309.9	3706.3	3124.8
47.5°	2961.0	2987.9	3146.1	3284.6	3397.0	3400.6	3464.0	3461.5	3566.6	4007.5	3410.5
50°	3208.6	3247.4	3376.9	3506.5	3643.0	3719.0	3803.6	3791.7	3874.3	4328.2	3739.4
52.5°	3533.0	3551.0	3647.1	3742.7	3912.3	4082.7	4204.0	4193.4	4223.2	4658.0	4112.9
55°	3869.4	3882.8	3922.5	3974.8	4202.8	4480.7	4737.3	4720.5	4644.9	5000.4	4481.9
57.5°	4171.7	4199.1	4226.5	4248.2	4495.4	4896.7	5282.8	5284.0	5102.6	5369.9	4863.1
60°	4218.7	4242.8	4423.9	4594.7	4996.0	5451.6	5866.8	5854.5	5576.2	5770.7	5288.1
62.5°	3729.2	3783.5	4085.9	4540.3	5478.1	6466.6	6611.7	6596.6	6142.6	6264.8	5783.0
65°	2672.5	2734.2	3099.1	3781.9	5244.4	7585.1	7956.1	7752.6	6914.9	6872.4	6362.4
67.5°	1541.8	1556.5	1714.6	2263.0	3993.2	7643.5	10007.0	9722.2	8114.2	7561.8	6646.0
70°	1140.1	1139.7	1177.3	1392.6	2160.9	6238.2	10982.4	11237.8	9376.9	7788.6	6245.1
71°	1031.0	1032.2	1074.3	1267.6	1711.4	5221.5	10775.3	11334.3	9709.5	7676.6	5955.0
72.5°	881.8	885.9	944.4	1136.8	1439.6	3600.9	9882.8	10755.6	9867.3	7400.4	5501.0
75°	668.9	678.3	759.2	958.2	1315.8	1826.2	7253.2	8588.7	8765.6	6530.0	4087.6
77.5°	477.3	487.9	579.4	805.8	1250.8	1376.3	4857.4	6264.8	6450.7	4184.8	1843.8
80°	301.6	314.2	383.3	641.1	1175.2	1306.8	3052.5	4211.0	3517.5	1339.1	469.1
82.5°	176.9	186.7	237.8	418.8	959.9	1258.6	1795.9	2334.1	1368.9	404.5	213.3
85°	102.6	107.1	148.3	266.8	697.1	1187.9	1319.5	1304.8	594.2	197.8	100.9
87.5°	47.8	53.1	87.9	139.3	387.0	861.0	1042.8	901.0	369.4	92.8	47.4
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: P386947
CATALOG NUMBER: GPC-SA2C-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3250.3	3250.3	3250.3	3250.3	3250.3	3250.3	3250.3	3250.3	3250.3	3250.3	3250.3
2.5°	3222.1	3215.1	3186.1	3160.4	3133.4	3098.3	3059.4	3054.5	3030.8	3035.3	3027.2
5°	3158.3	3140.8	3070.9	3007.5	2932.8	2865.7	2793.0	2759.5	2711.3	2708.0	2695.8
7.5°	3067.2	3034.5	2926.2	2806.1	2685.9	2571.5	2458.3	2384.0	2308.0	2275.7	2272.8
10°	2964.6	2909.1	2749.7	2571.9	2398.7	2231.5	2069.7	1950.0	1842.1	1791.0	1789.0
12.5°	2867.4	2785.2	2566.6	2324.7	2087.7	1871.1	1649.2	1491.9	1356.7	1311.3	1292.1
15°	2784.8	2669.2	2388.5	2079.1	1791.4	1490.7	1238.2	1072.7	947.6	904.3	896.1
17.5°	2704.7	2556.0	2205.8	1831.1	1483.3	1152.8	899.8	776.8	710.2	692.6	692.2
20°	2625.1	2439.5	2015.0	1577.3	1185.4	862.2	691.8	636.7	614.2	612.1	608.9
22.5°	2534.8	2316.1	1814.3	1322.7	925.1	677.9	588.0	566.0	563.1	570.5	570.5
25°	2450.2	2193.5	1610.8	1073.5	719.6	565.5	525.1	520.6	528.4	541.4	542.7
27.5°	2371.3	2075.4	1412.2	852.0	576.6	498.1	481.4	486.7	500.6	515.7	516.1
30°	2306.3	1963.9	1219.4	671.4	487.1	447.9	445.0	455.6	470.7	482.6	485.5
32.5°	2256.1	1868.7	1033.0	539.8	428.7	410.3	412.7	421.7	431.1	437.6	442.1
35°	2232.8	1787.0	861.0	455.2	391.5	381.3	384.5	389.4	393.5	398.4	402.1
37.5°	2236.9	1723.6	707.3	402.5	366.5	361.2	361.2	361.2	361.2	363.7	364.1
40°	2274.9	1687.2	582.3	369.0	349.8	344.1	339.6	335.5	332.2	333.9	333.0
42.5°	2372.1	1684.0	490.8	347.7	336.3	326.9	317.9	312.2	308.1	309.7	310.6
45°	2537.2	1724.8	429.1	332.6	323.6	309.3	297.9	291.8	288.9	294.2	295.0
47.5°	2750.9	1813.9	391.5	321.6	311.8	293.0	280.7	275.0	275.8	283.6	285.6
50°	3026.3	1958.6	373.5	314.6	303.6	279.1	266.4	261.5	264.0	275.0	277.5
52.5°	3328.7	2167.0	375.5	312.6	298.3	268.9	255.4	249.7	253.8	264.0	266.0
55°	3677.7	2417.5	409.5	315.5	290.5	262.3	246.4	236.6	239.9	249.3	250.9
57.5°	4065.5	2704.3	477.7	314.6	280.7	256.2	237.0	222.3	224.7	230.5	232.1
60°	4469.2	3050.9	583.5	317.1	276.2	248.9	224.3	206.0	205.1	210.0	210.9
62.5°	4953.9	3451.7	704.5	318.7	279.1	239.5	207.6	189.6	187.2	188.4	189.2
65°	5453.2	3741.9	659.1	312.2	288.1	231.7	192.9	173.7	169.2	168.4	168.8
67.5°	5468.7	3430.9	462.2	299.1	291.8	227.6	181.8	160.2	152.8	150.0	149.6
70°	4904.4	2787.3	360.0	285.2	277.1	221.1	171.6	149.2	138.1	133.6	133.2
71°	*4629.0*	*2565.8*	*341.2*	*278.3*	*266.0*	*214.5*	*167.1*	*144.2*	*132.8*	*127.9*	*127.1*
72.5°	4197.1	2300.2	318.3	267.2	244.8	197.8	158.5	137.3	125.5	119.7	118.5
75°	3012.0	1504.2	273.4	238.2	202.7	157.7	138.9	123.4	113.2	106.2	105.4
77.5°	1160.5	598.6	206.8	198.2	155.3	123.4	114.4	106.7	99.3	92.4	91.9
80°	358.8	267.7	150.8	149.2	112.4	91.9	89.1	87.0	84.2	76.8	75.2
82.5°	191.6	153.6	103.8	96.4	73.6	61.3	64.6	65.4	65.8	58.0	57.2
85°	91.5	81.3	58.4	54.8	42.9	34.3	39.6	42.9	43.3	35.6	33.1
87.5°	43.7	42.5	27.4	20.8	15.9	11.4	13.9	17.2	18.8	13.5	11.9
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

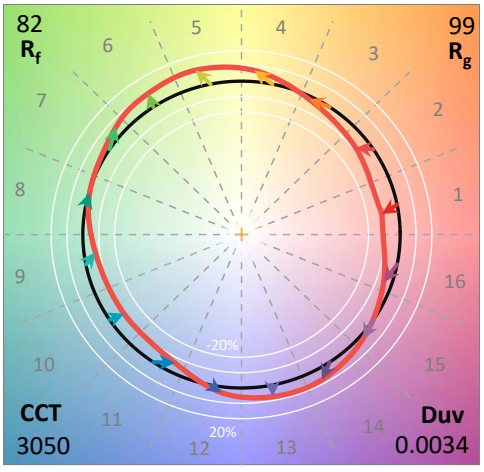
Test Information

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

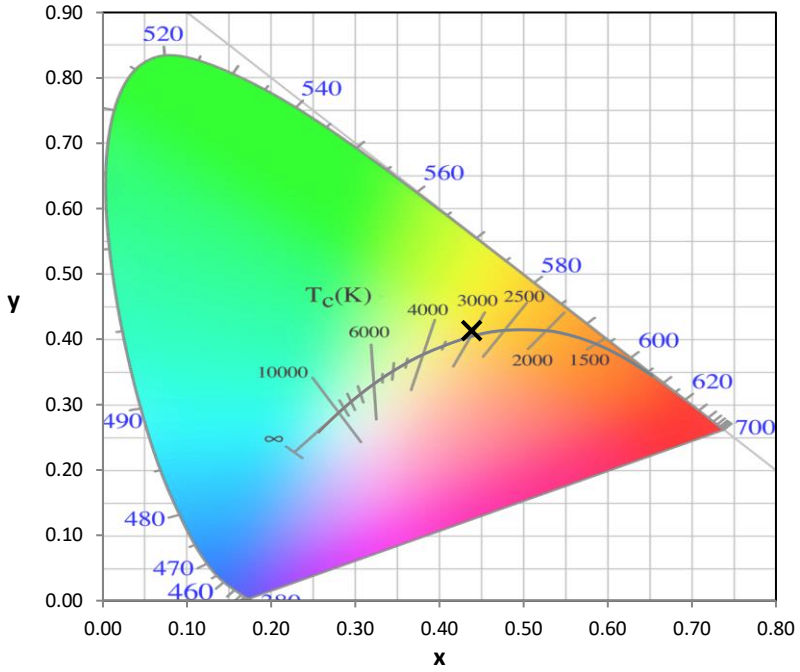
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

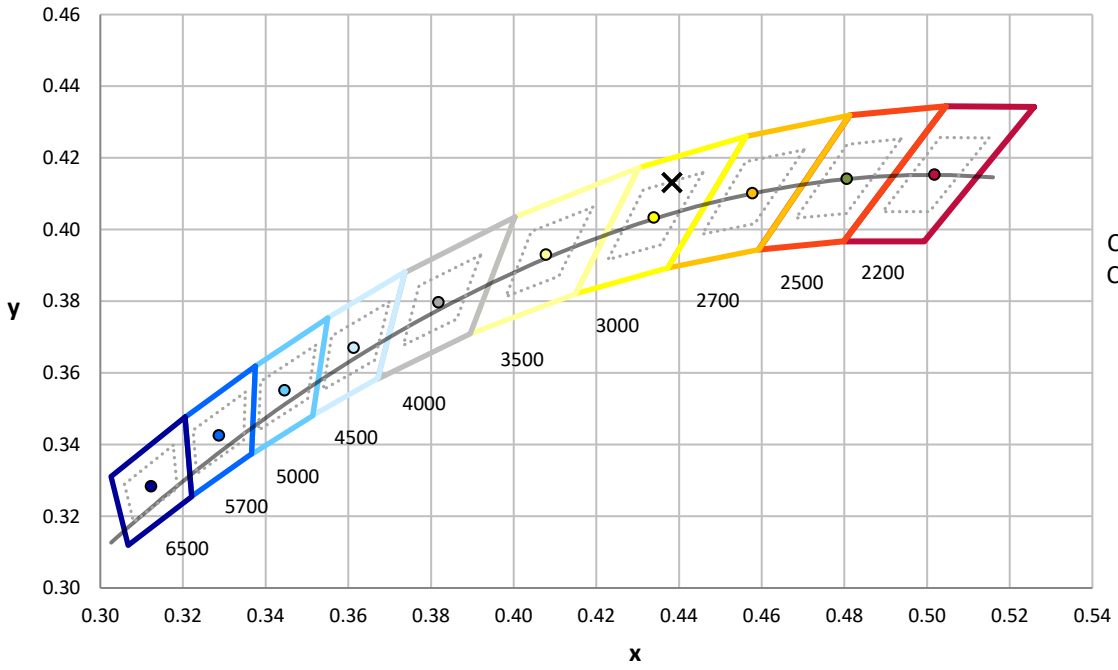
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

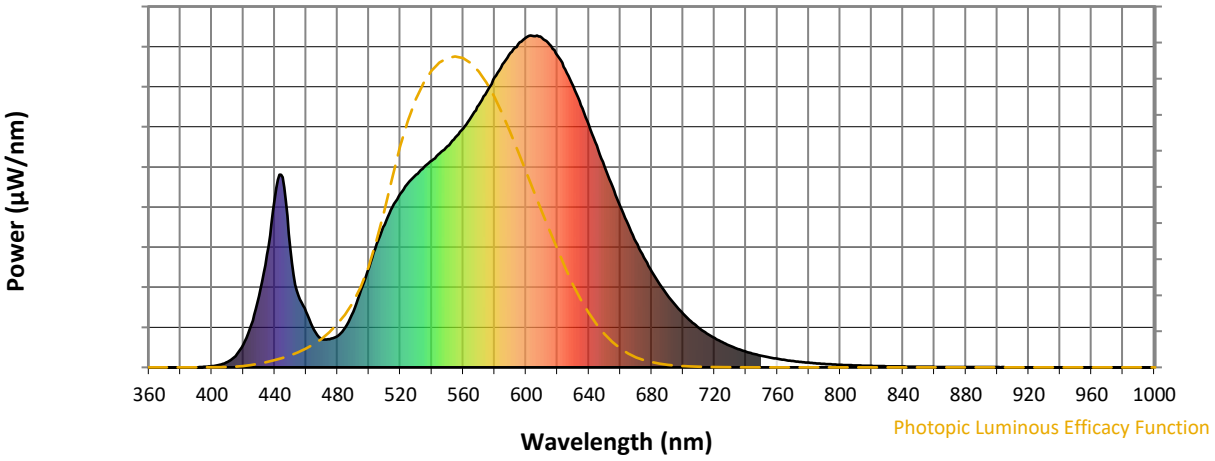


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

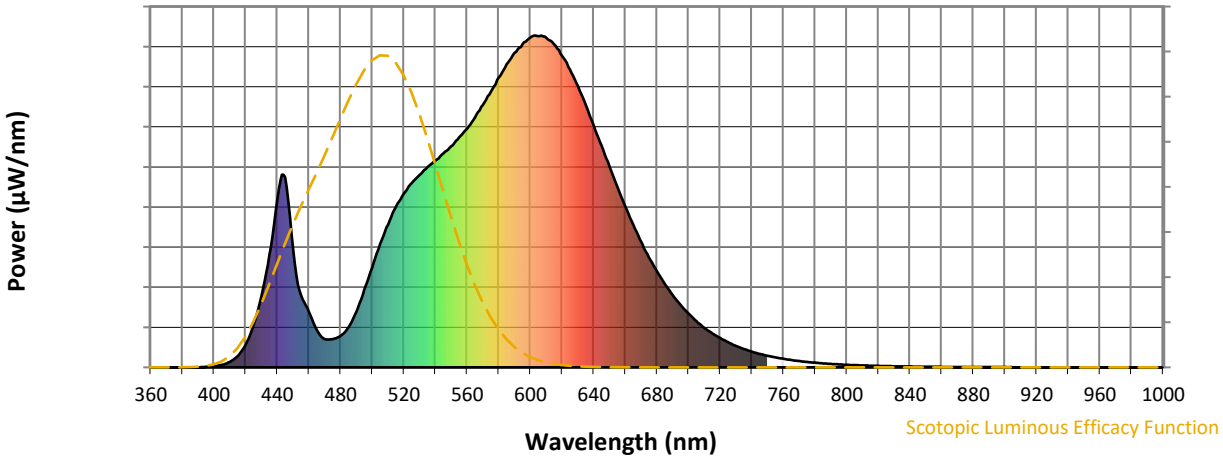


Photopic Lumens: NR

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

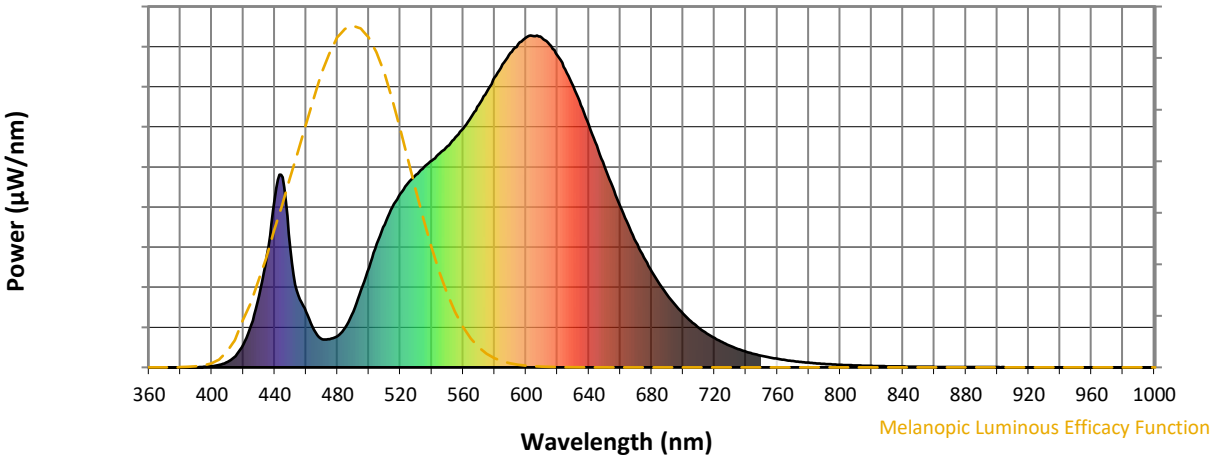


Scotopic Lumens: NR **S/P: 1.27**

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			

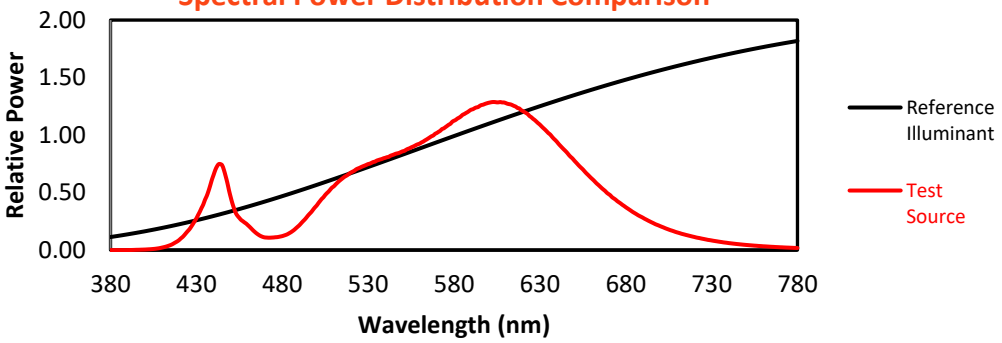
REPORT NUMBER: SP1-2408-195-9

TM-30-18

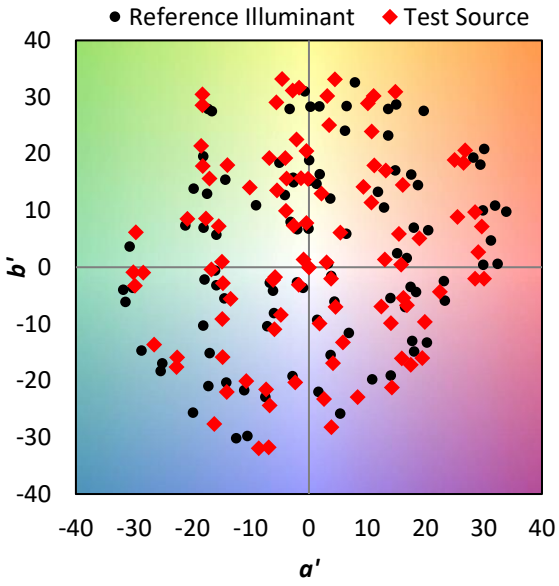
Summary

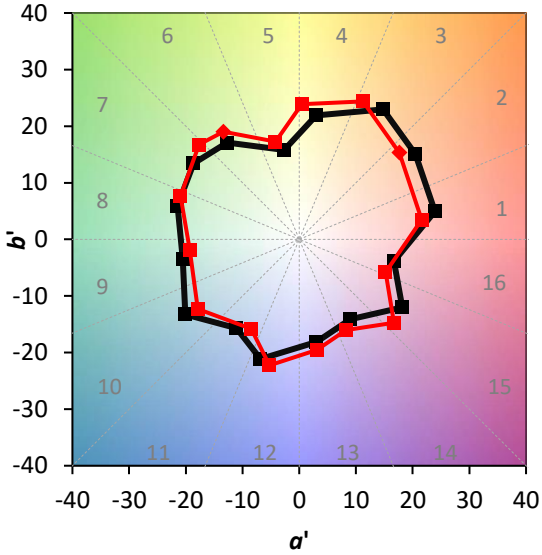
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

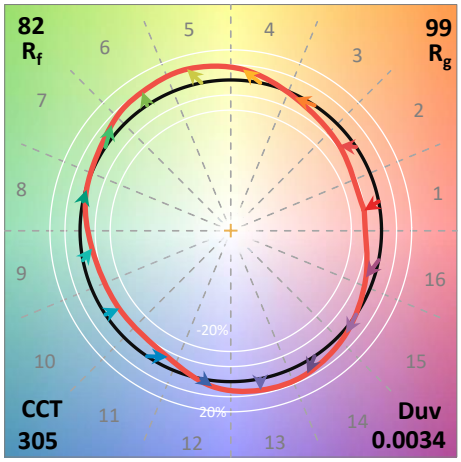
Spectral Power Distribution Comparison

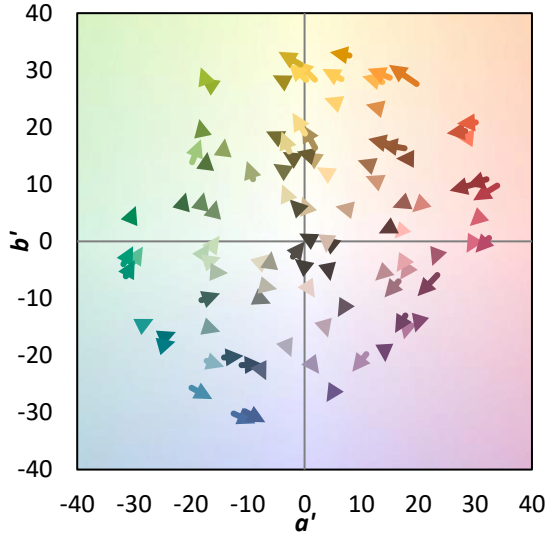


Color Vector Graphics







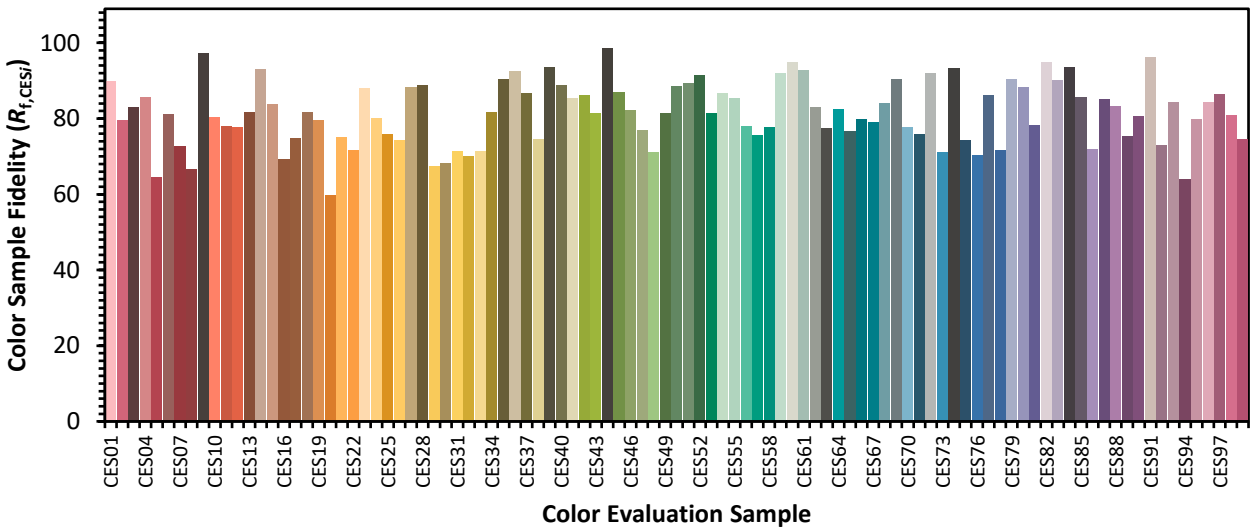


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

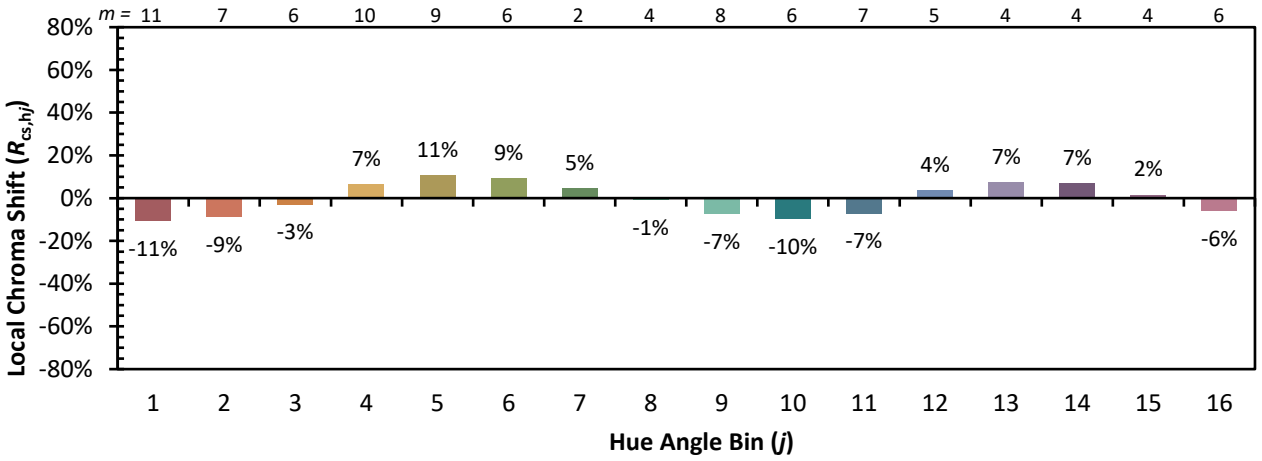
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

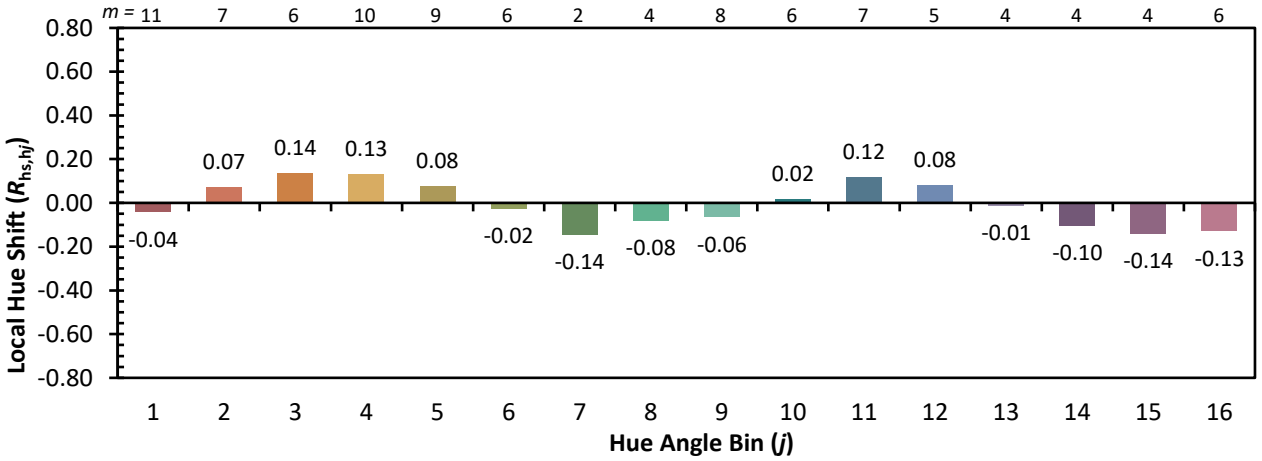


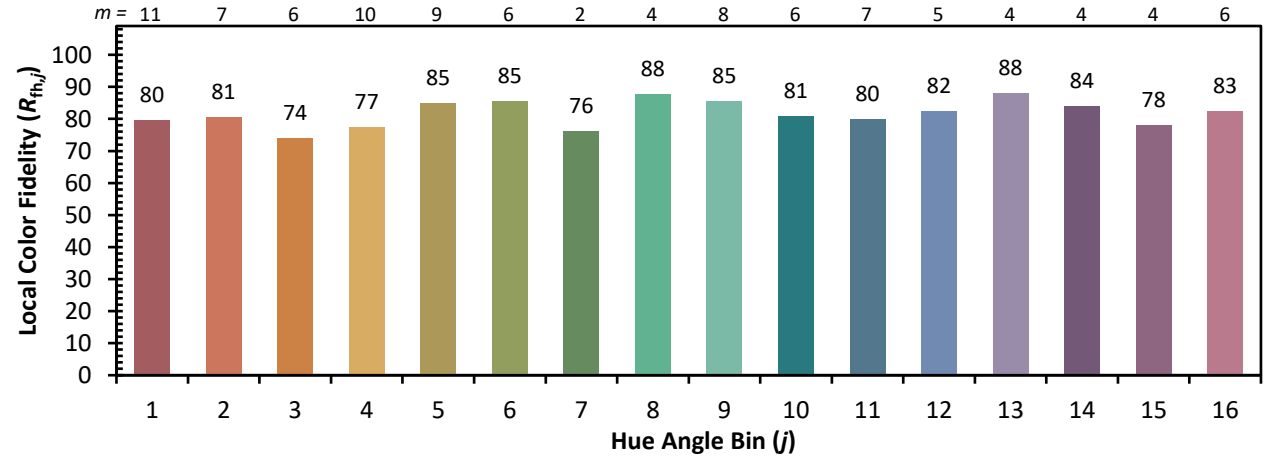
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



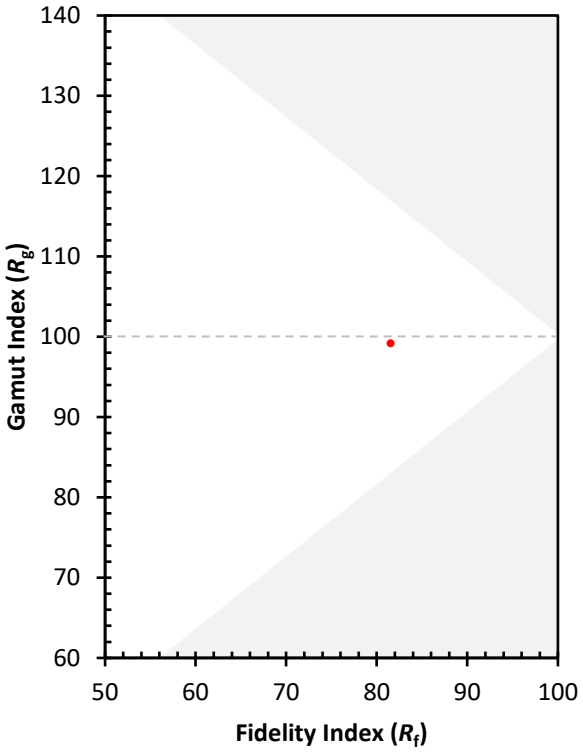


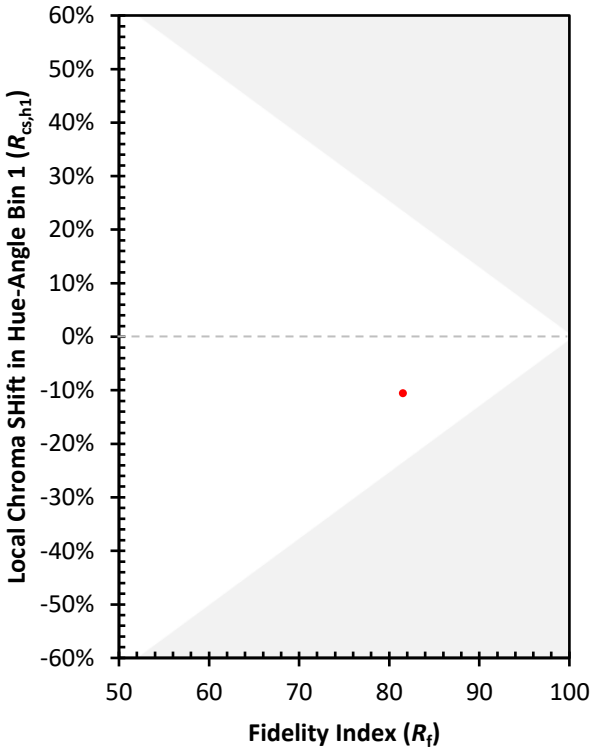


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)