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: P386945

Luminaire Tested: **GPC-SA2C-830-U-SL2**

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:	P386945
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
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-SL2
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11491 lumens
Efficiency:	N/A
Efficacy:	103.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G3

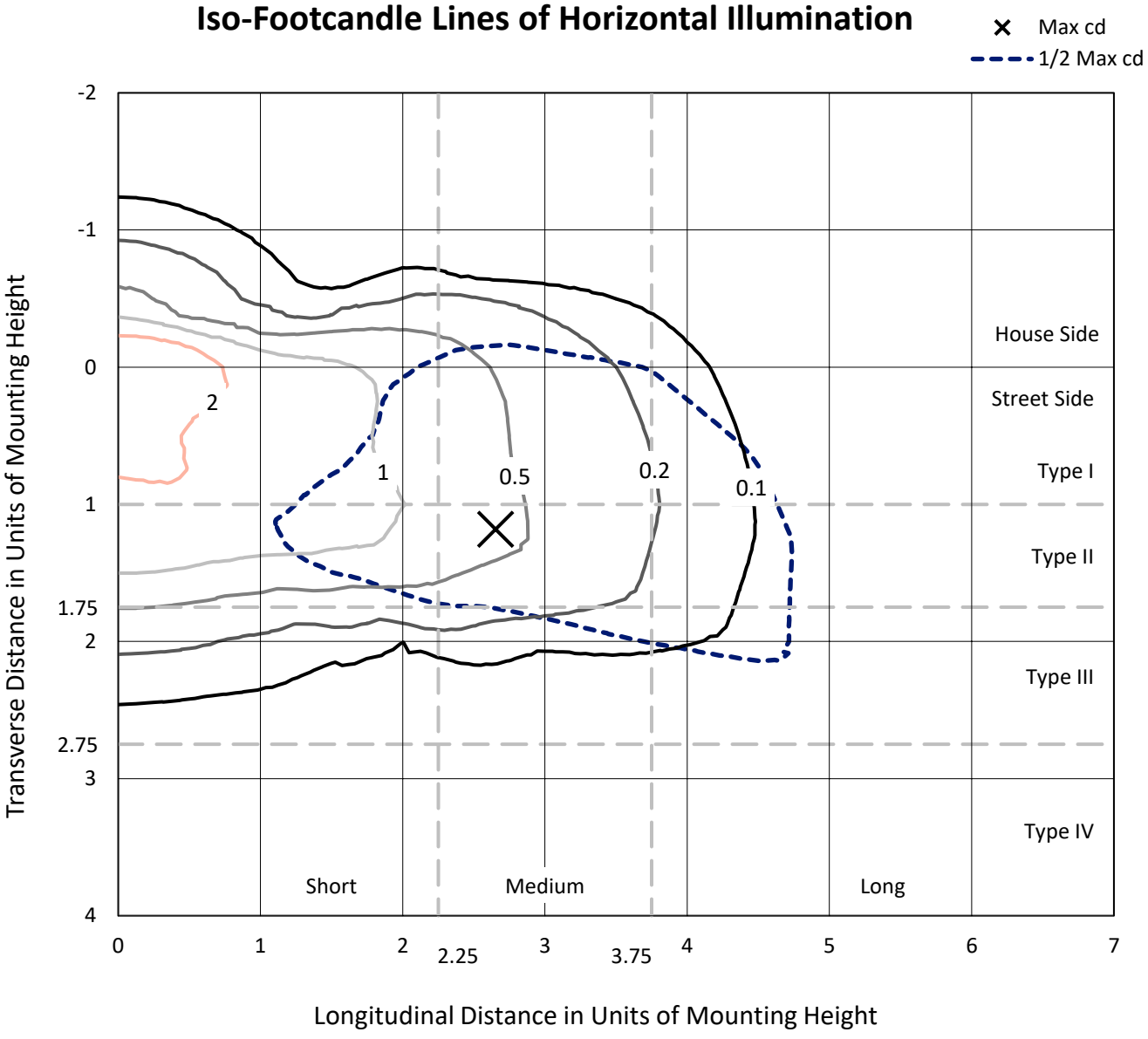
Input Watts (W):	111
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P386945
CATALOG NUMBER: GPC-SA2C-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



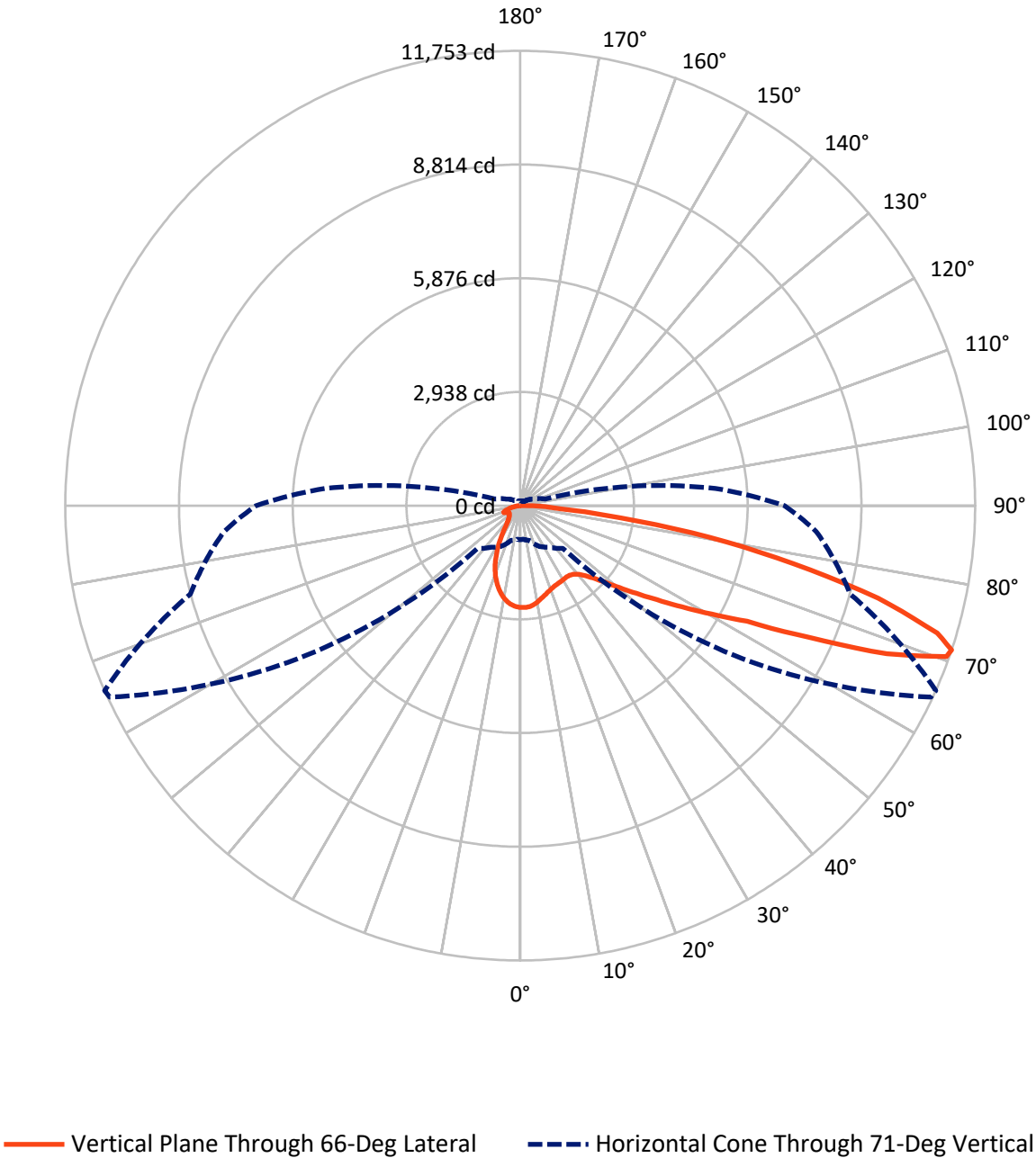
Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P386945
CATALOG NUMBER: GPC-SA2C-830-U-SL2

Luminous Intensity Polar Plot



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

Scaled Data Report

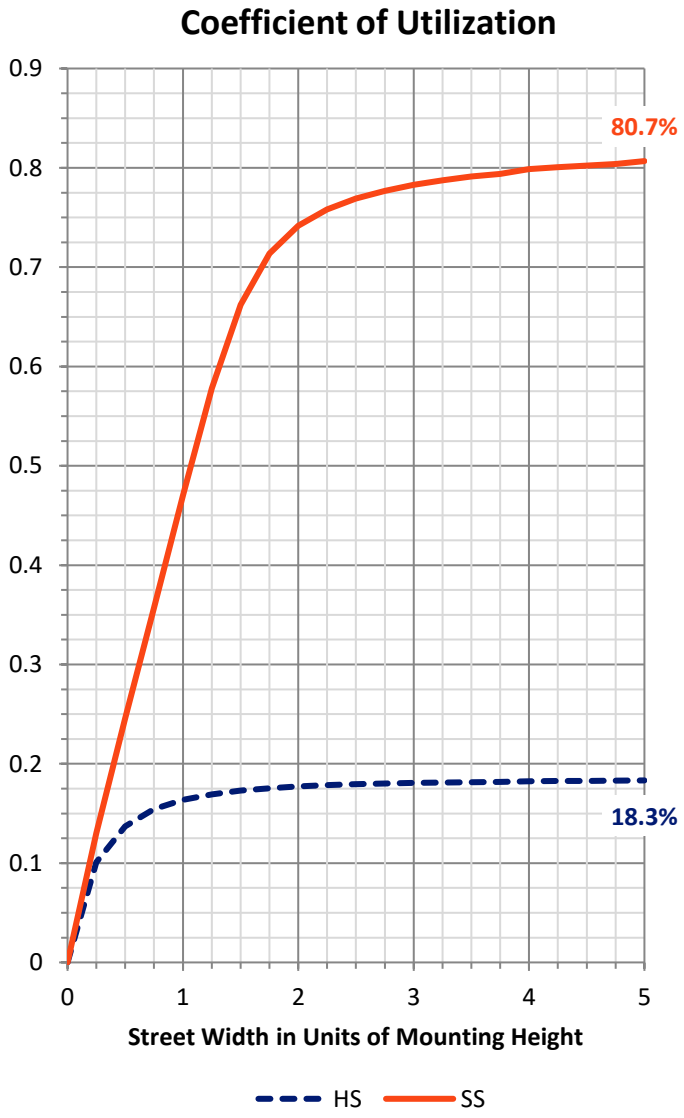
REPORT NUMBER: P386945
CATALOG NUMBER: GPC-SA2C-830-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2129.6	0.0	2129.6
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	9361.4	0.0	9361.4
	% Fixture	81.5	0.0	81.5
Total	Lumens	11491.0	0.0	11491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.7	2.0
10°-20°	555.7	4.8
20°-30°	746.5	6.5
30°-40°	982.0	8.5
40°-50°	1428.6	12.4
50°-60°	2231.6	19.4
60°-70°	2795.4	24.3
70°-80°	2132.3	18.6
80°-90°	387.2	3.4
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°	11491.0	100.0
0°-180°	11491.0	100.0



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

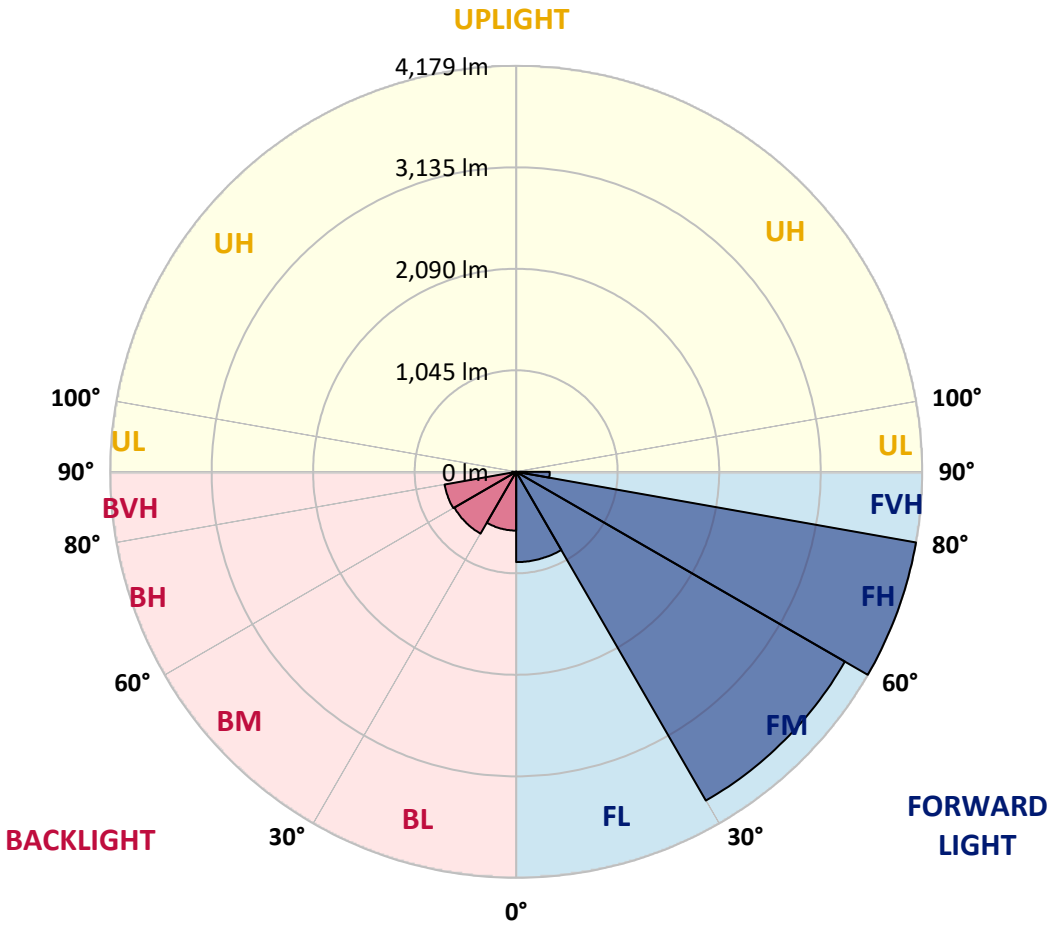
Scaled Data Report

REPORT NUMBER: P386945
CATALOG NUMBER: GPC-SA2C-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	929.2	8.1			
FM	(30°-60°)	3907.5	34.0			
FH	(60°-80°)	4179.4	36.4			G2/5000
FVH	(80°-90°)	345.3	3.0			G3/500
BL	(0°-30°)	604.7	5.3	B2/1000		
BM	(30°-60°)	734.6	6.4	B1/1000		
BH	(60°-80°)	748.3	6.5	B2/1000		G2/1000
BVH	(80°-90°)	41.9	0.4			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: P386945
CATALOG NUMBER: GPC-SA2C-830-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	*2632.4*	2632.4	2632.4
2.5°	2583.6	2579.6	2591.5	2603.8	2608.6	2616.5	2628.4	2635.1	*2634.7*	2635.9	2632.0
5°	2412.2	2407.0	2430.8	2450.3	2487.6	2529.6	2580.8	2617.3	*2618.1*	2638.7	2644.3
7.5°	2249.9	2246.3	2273.7	2305.1	2348.3	2412.6	2495.5	2574.0	*2578.8*	2634.7	2654.2
10°	2119.8	2119.0	2145.6	2179.7	2230.1	2301.9	2397.1	2512.2	*2519.3*	2615.7	2655.8
12.5°	2018.2	2019.8	2042.8	2081.7	2134.9	2209.8	2313.0	2442.7	*2454.2*	2585.6	2646.6
15°	1943.2	1949.6	1968.2	2007.5	2059.9	2136.0	2242.0	2378.5	*2395.9*	2551.8	2641.5
17.5°	1900.4	1907.5	1920.6	1953.1	2002.3	2075.7	2176.1	2325.7	*2341.6*	2526.0	2641.9
20°	1887.7	1893.6	1901.2	1921.0	1962.7	2029.3	2124.1	2278.1	*2295.1*	2505.4	2645.9
22.5°	1912.7	1917.0	1917.8	1916.3	1941.6	1996.0	2086.5	2243.2	*2261.4*	2491.9	2648.6
25°	1966.2	1972.2	1967.8	1953.1	1944.8	1978.1	2067.0	2220.2	*2238.4*	2482.0	2643.1
27.5°	2046.8	2047.6	2044.0	2025.0	1985.7	1980.1	2061.1	2206.7	*2224.1*	2470.5	2631.6
30°	2156.3	2161.4	2155.1	2129.3	2065.0	2011.9	2068.2	2193.6	*2209.4*	2455.8	2612.9
32.5°	2284.4	2297.1	2296.7	2269.7	2177.7	2082.9	2097.6	2185.6	*2197.9*	2440.3	2590.3
35°	2417.3	2434.8	2467.3	2455.8	2342.0	2195.2	2153.9	2198.3	*2206.7*	2438.4	2574.4
37.5°	2555.4	2572.9	2639.9	2670.8	2537.5	2355.8	2242.8	2243.2	*2247.1*	2462.6	2573.3
40°	2699.8	2718.5	2819.2	2899.8	2791.1	2559.4	2386.0	2336.8	*2332.4*	2522.1	2596.7
42.5°	2902.1	2918.8	3039.8	3142.6	3072.3	2820.0	2584.0	2481.2	*2472.1*	2638.7	2671.6
45°	3158.0	3172.3	3300.9	3410.8	3374.7	3117.6	2832.7	2680.0	*2678.4*	2833.1	2823.6
47.5°	3462.3	3473.5	3588.9	3695.2	3708.3	3460.0	3145.3	2986.7	*2960.9*	3099.7	3058.9
50°	3779.3	3791.6	3870.2	3984.5	4081.7	3918.2	3547.6	3362.4	*3327.8*	3451.6	3392.1
52.5°	3989.2	4005.5	4073.7	4218.5	4501.4	4420.5	4023.3	3817.8	*3765.5*	3878.1	3832.5
55°	3895.6	3932.1	4036.4	4268.5	4837.0	5187.8	4610.1	4349.1	*4289.9*	4383.6	4356.6
57.5°	3469.9	3519.9	3662.3	4020.6	4884.3	5863.8	5497.2	4974.7	*4933.1*	4906.1	4918.4
60°	2691.9	2739.9	2916.4	3383.4	4555.4	6357.4	6832.2	5746.0	*5685.7*	5430.6	5441.7
62.5°	1905.1	1880.9	2001.9	2343.5	3701.6	6415.3	8351.4	6777.5	*6579.1*	5984.4	5935.6
65°	1452.9	1447.3	1501.7	1610.4	2242.0	5722.2	9256.3	8511.2	*8201.4*	6635.9	6520.8
67.5°	1193.8	1183.9	1237.4	1395.7	1443.7	3691.7	9276.2	10522.7	*10218.4*	7446.8	7197.6
70°	981.5	970.4	1020.4	1224.7	1334.2	1872.2	7807.0	11700.6	*11684.4*	8473.6	7708.6
71°	*880.0*	*872.0*	*931.9*	*1158.9*	*1310.8*	*1560.4*	*6740.6*	*11703.8*	*11752.6*	*8821.1*	*7678.5*
72.5°	716.5	719.3	782.8	1031.5	1293.4	1377.9	4954.1	11158.3	*11261.4*	9152.4	7404.3
75°	476.1	478.5	561.8	793.5	1254.1	1348.1	2722.8	9363.0	*9552.7*	8954.0	6756.5
77.5°	319.8	319.0	375.7	544.3	1092.6	1348.1	1596.5	7002.8	*7211.1*	7124.6	5208.8
80°	220.2	218.6	258.7	375.7	827.2	1364.4	1234.3	4907.7	*4970.7*	3847.6	2117.0
82.5°	134.9	136.1	169.0	265.4	563.0	1227.9	1165.2	2676.0	*2607.4*	1079.1	528.9
85°	77.4	77.0	107.9	179.7	361.4	1036.3	1136.3	1151.7	*1056.5*	324.9	191.2
87.5°	27.8	29.8	57.9	99.6	207.1	721.7	964.1	599.1	*540.0*	146.8	86.5
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: P386945
CATALOG NUMBER: GPC-SA2C-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4
2.5°	2629.2	2631.6	2628.8	2612.9	2599.4	2577.6	2565.3	2548.3	2543.1	2540.7	2547.1
5°	2639.1	2639.9	2616.5	2574.8	2528.0	2472.9	2433.2	2384.4	2361.4	2351.5	2357.8
7.5°	2648.2	2644.7	2593.5	2513.7	2427.3	2331.2	2245.9	2167.8	2122.2	2103.5	2105.1
10°	2649.4	2634.3	2552.2	2428.8	2294.7	2153.9	2023.0	1902.4	1826.2	1776.6	1791.7
12.5°	2637.1	2611.7	2491.5	2318.9	2132.9	1940.8	1763.9	1583.0	1474.3	1423.9	1425.5
15°	2627.6	2581.6	2416.9	2189.6	1939.7	1685.3	1443.7	1231.1	1115.2	1063.7	1039.5
17.5°	2619.7	2549.1	2330.4	2044.0	1711.5	1389.0	1098.6	908.9	845.5	830.4	824.0
20°	2608.6	2514.5	2234.0	1875.4	1451.7	1057.3	802.2	708.6	709.0	726.4	728.8
22.5°	2593.1	2475.3	2131.3	1686.1	1172.8	770.1	628.8	601.9	629.2	662.6	668.5
25°	2570.1	2428.8	2017.0	1477.1	894.3	591.9	537.2	536.0	569.3	604.2	609.4
27.5°	2537.5	2368.1	1890.1	1252.5	659.0	503.1	481.2	489.6	514.2	539.6	541.5
30°	2493.9	2297.5	1750.0	1015.7	516.6	447.9	445.5	453.1	468.2	486.0	487.6
32.5°	2445.9	2225.7	1600.4	786.3	442.4	418.2	420.5	424.1	431.3	438.4	440.0
35°	2402.3	2152.3	1447.3	597.5	407.1	398.7	397.1	396.3	397.1	394.8	395.2
37.5°	2374.1	2091.6	1287.8	475.7	386.8	381.7	376.9	371.0	364.2	360.2	361.0
40°	2363.8	2046.4	1126.3	411.0	370.2	366.6	357.5	344.8	336.8	334.5	334.5
42.5°	2391.5	2023.0	970.4	378.5	356.3	350.3	335.2	320.6	314.6	314.2	313.8
45°	2476.4	2032.5	822.0	360.6	343.6	332.1	312.2	299.9	296.0	296.8	296.4
47.5°	2628.8	2092.4	695.1	348.7	330.9	315.8	293.6	283.7	278.9	278.9	279.3
50°	2887.9	2232.5	593.9	338.8	320.2	300.7	280.1	267.8	261.5	261.1	261.1
52.5°	3265.2	2483.2	530.8	330.5	308.3	287.2	266.6	251.1	243.6	242.0	241.2
55°	3738.1	2842.6	513.4	324.9	292.4	272.6	250.3	234.9	226.5	223.0	222.6
57.5°	4266.9	3279.8	547.9	318.2	276.1	255.1	232.5	217.8	209.1	204.7	204.3
60°	4802.1	3757.1	688.7	308.7	262.6	236.1	214.2	200.8	192.0	187.3	186.5
62.5°	5338.1	4260.2	976.4	307.9	253.1	217.8	195.6	184.1	175.8	170.6	169.4
65°	5942.8	4810.9	1303.3	328.9	249.9	201.1	176.5	167.4	160.3	155.5	155.1
67.5°	6637.1	5432.6	1271.9	372.1	260.7	186.1	158.7	151.6	146.4	142.4	142.0
70°	6962.8	5335.4	790.7	402.7	275.7	171.4	141.6	136.5	132.5	129.7	128.5
71°	*6826.3*	*5066.0*	*663.0*	*399.1*	*274.1*	*165.0*	*134.9*	*130.9*	*127.0*	*124.6*	*123.4*
72.5°	6454.2	4620.0	553.1	371.3	256.3	153.5	126.2	122.2	118.6	115.8	115.1
75°	5791.6	4126.1	442.8	296.8	204.3	129.7	110.7	106.3	103.5	102.0	100.4
77.5°	4257.4	2944.6	342.4	234.5	150.4	105.9	94.4	91.3	88.5	86.1	84.9
80°	1631.0	1140.6	230.5	175.0	110.3	83.7	76.2	74.6	71.8	70.2	70.2
82.5°	439.2	340.8	123.0	105.9	73.8	61.1	58.3	57.5	55.1	52.0	52.4
85°	177.7	150.4	69.0	58.3	45.2	36.1	39.3	39.7	36.9	32.9	33.3
87.5°	78.2	63.9	38.5	25.8	19.8	13.9	17.9	17.9	16.3	13.5	12.3
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

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

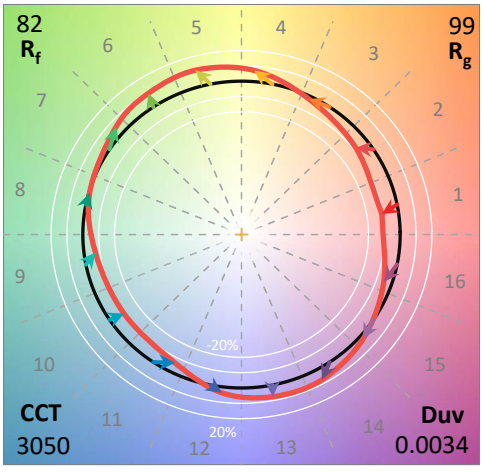
Test Information

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

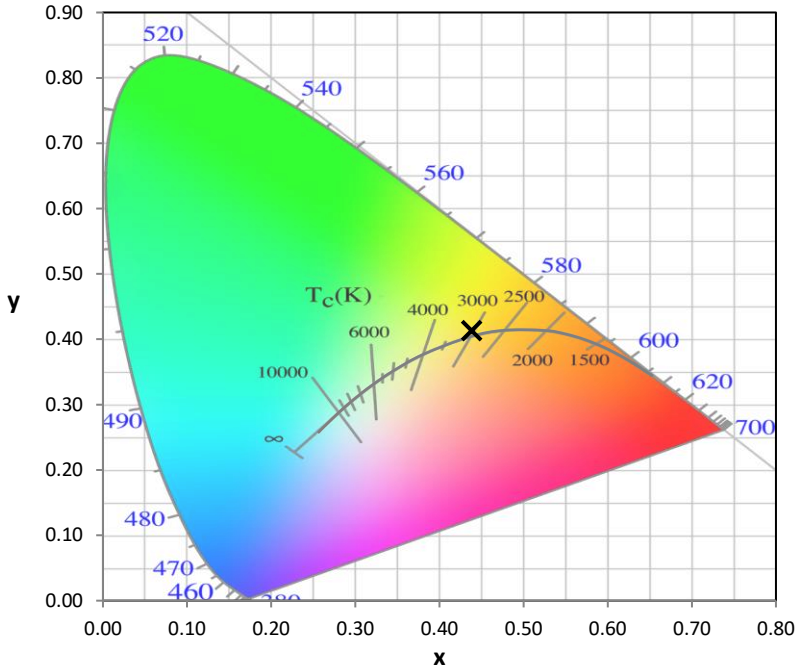
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

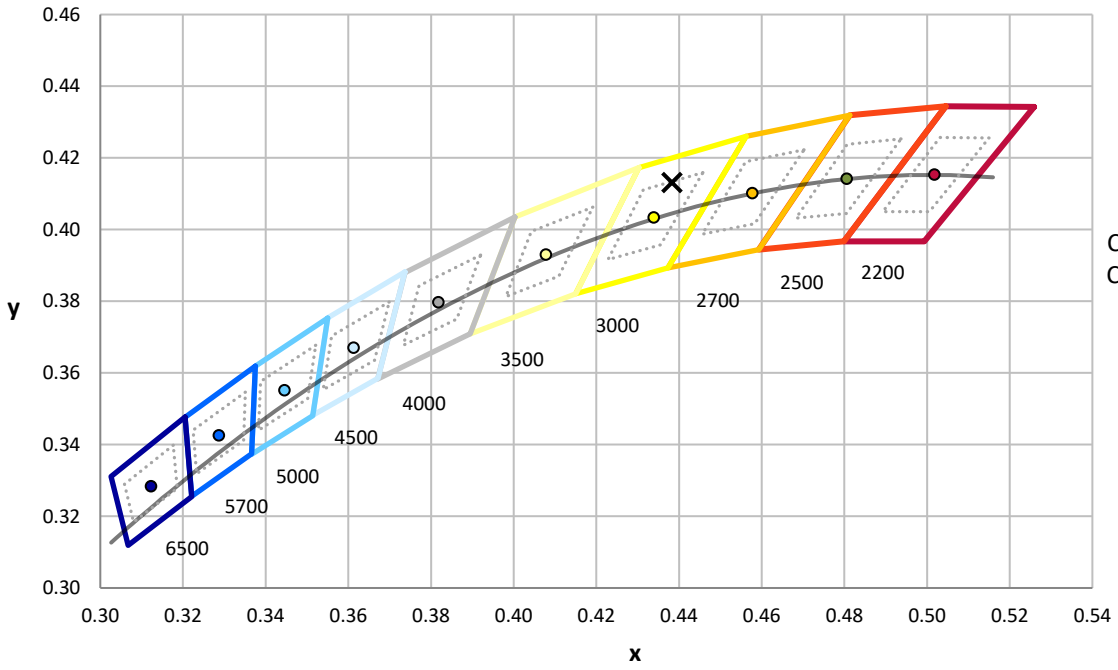
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

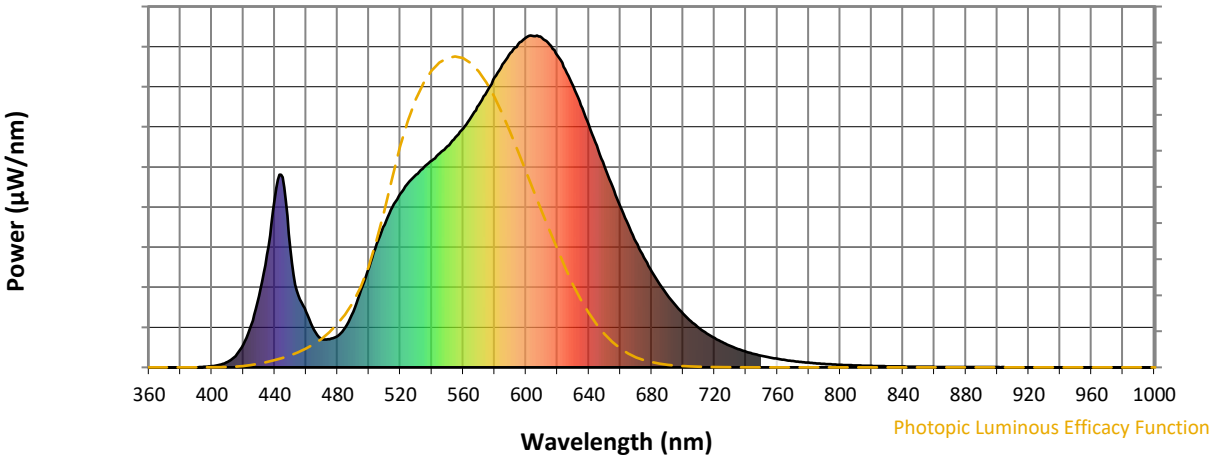


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

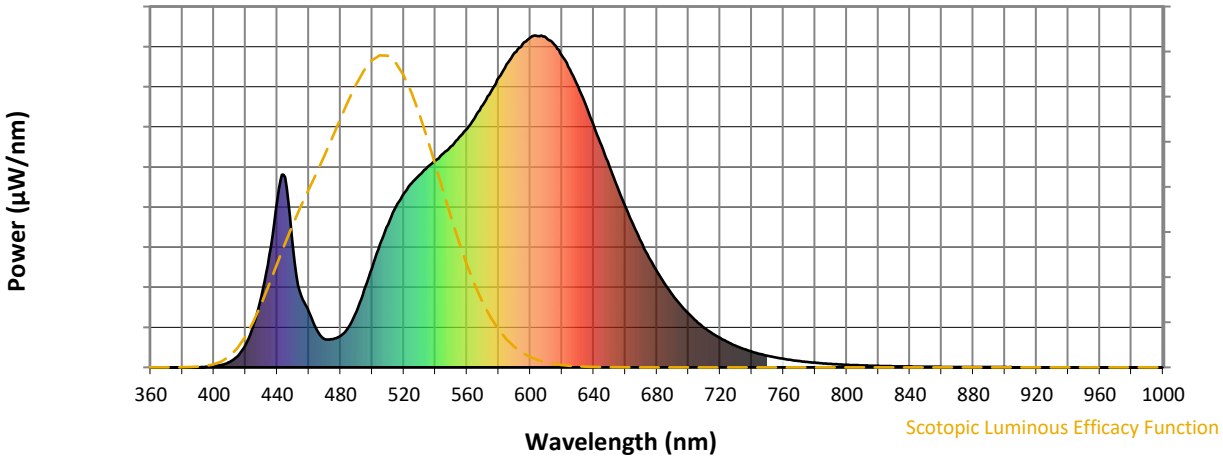


Photopic Lumens: NR

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

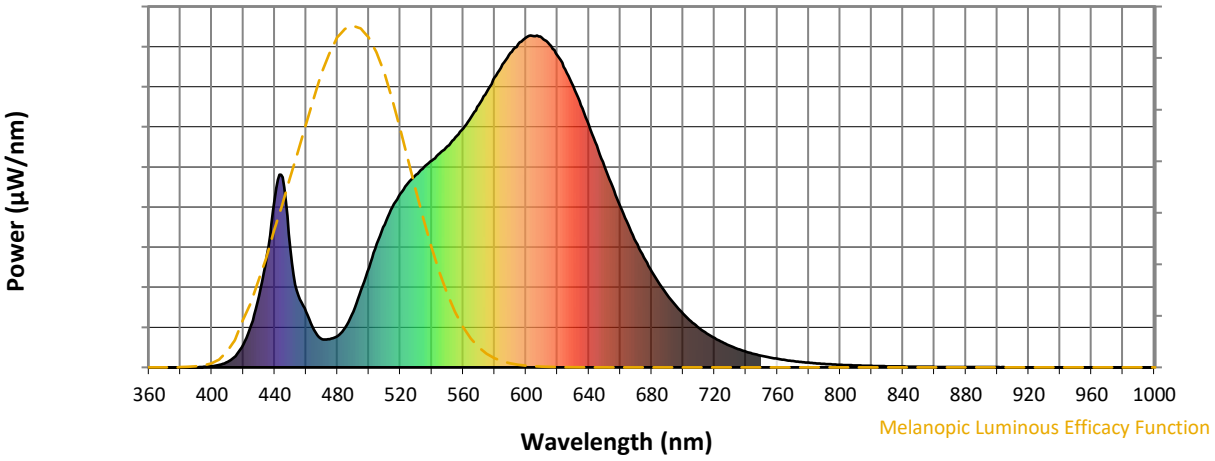


Scotopic Lumens: NR **S/P: 1.27**

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			

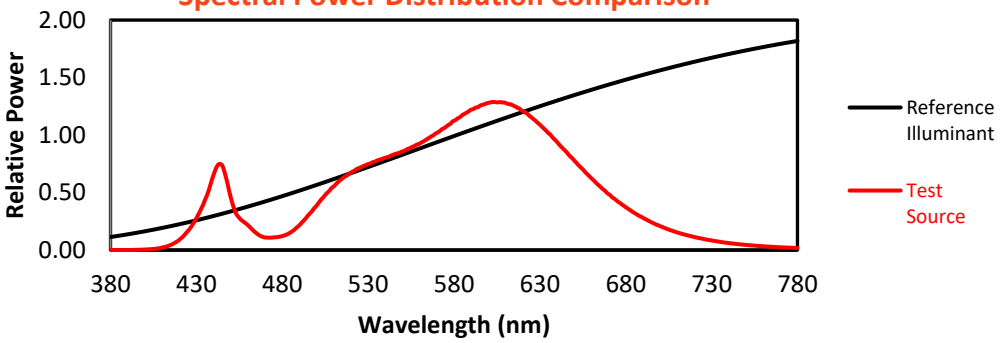
REPORT NUMBER: SP1-2408-195-9

TM-30-18

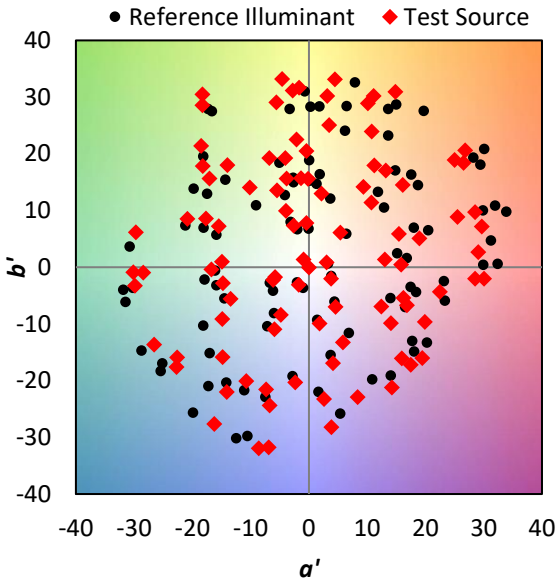
Summary

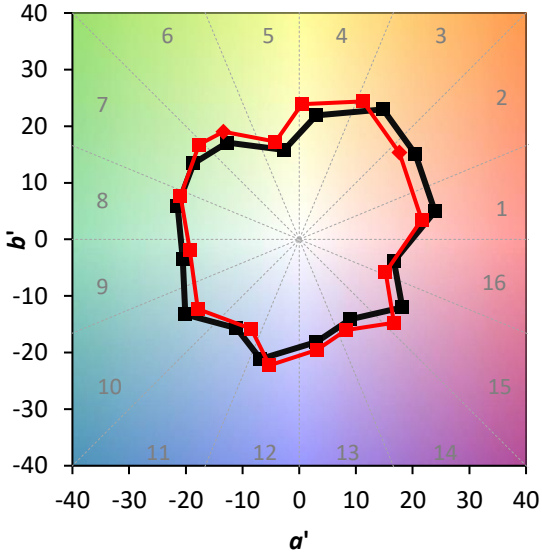
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

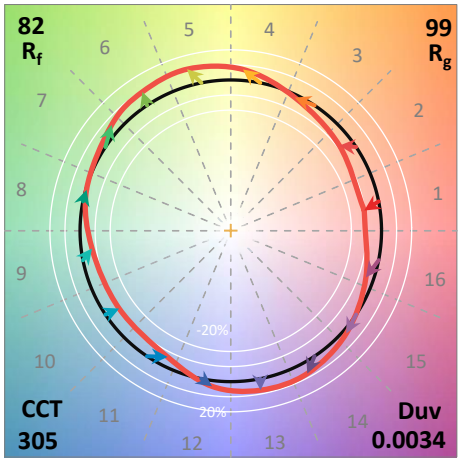
Spectral Power Distribution Comparison

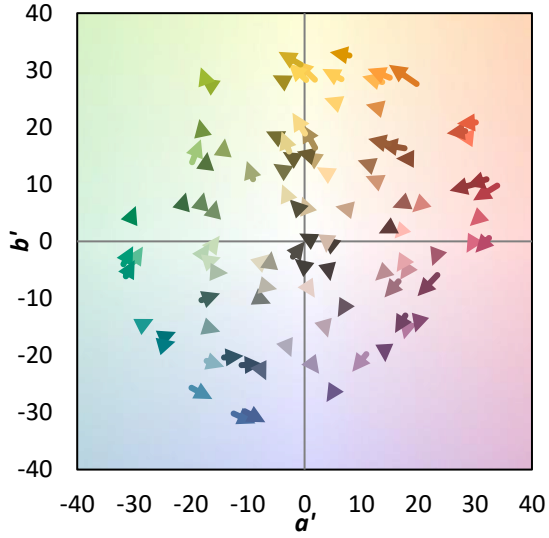


Color Vector Graphics







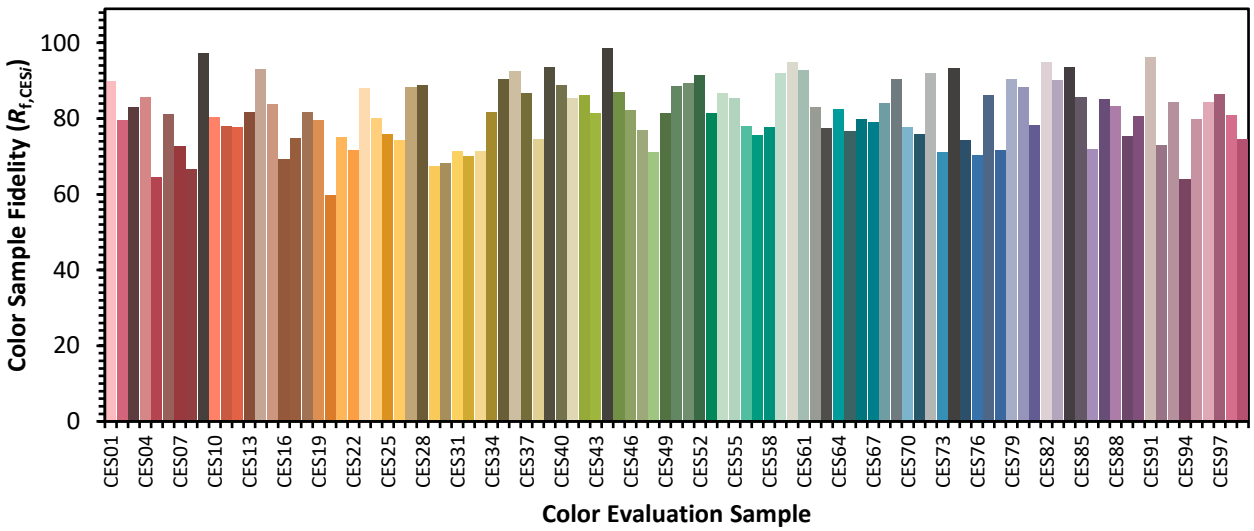


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

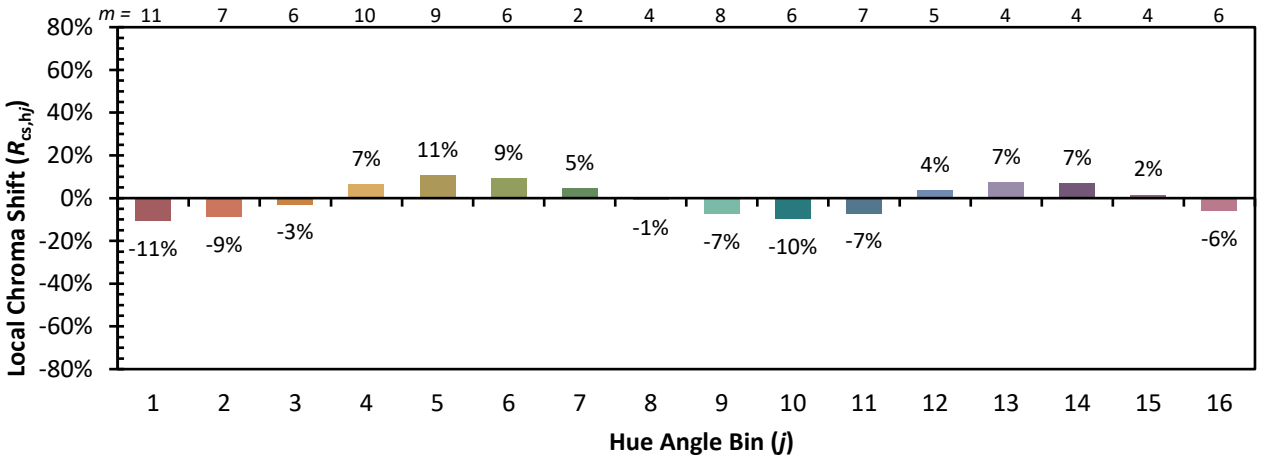
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

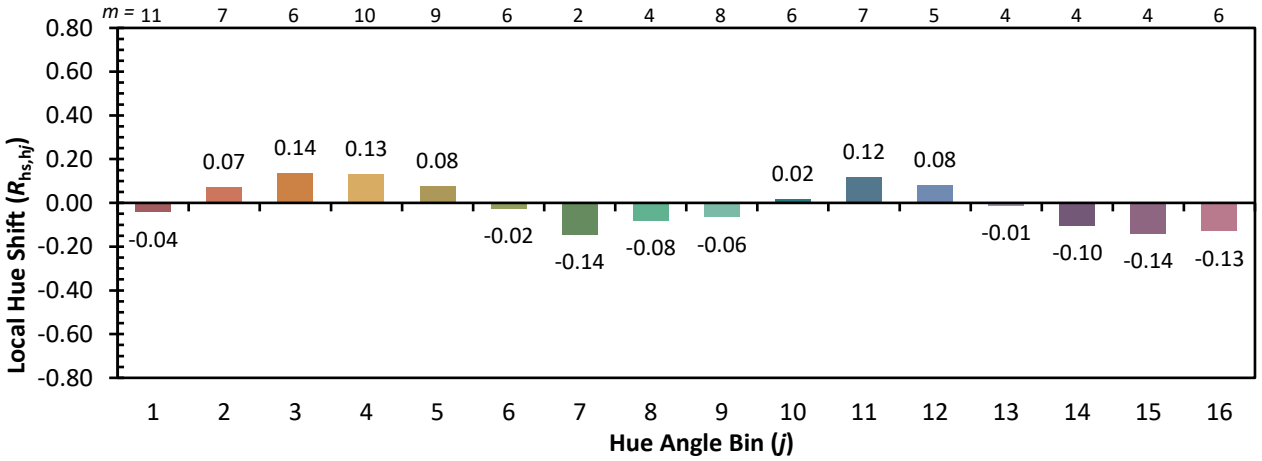


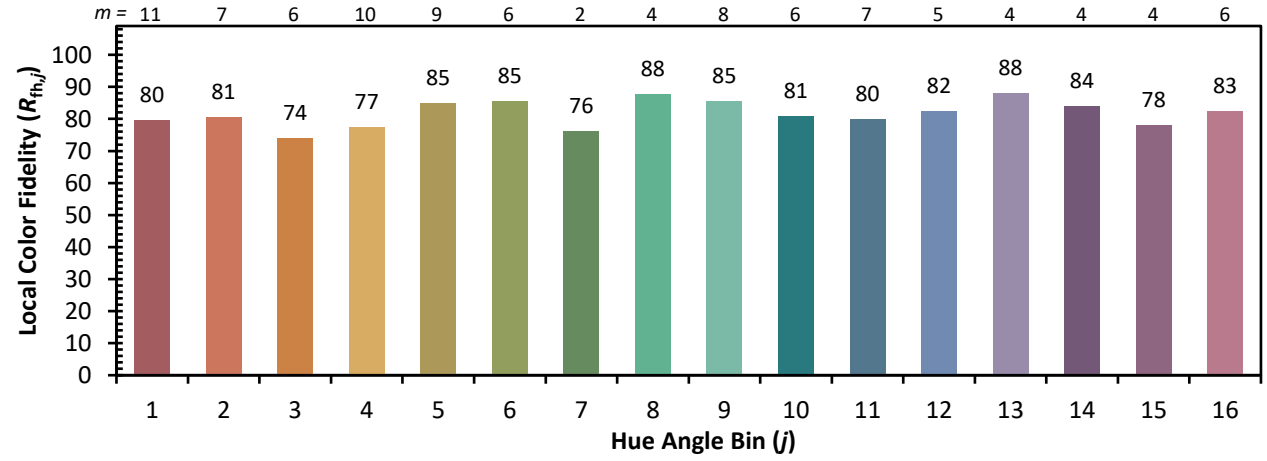
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



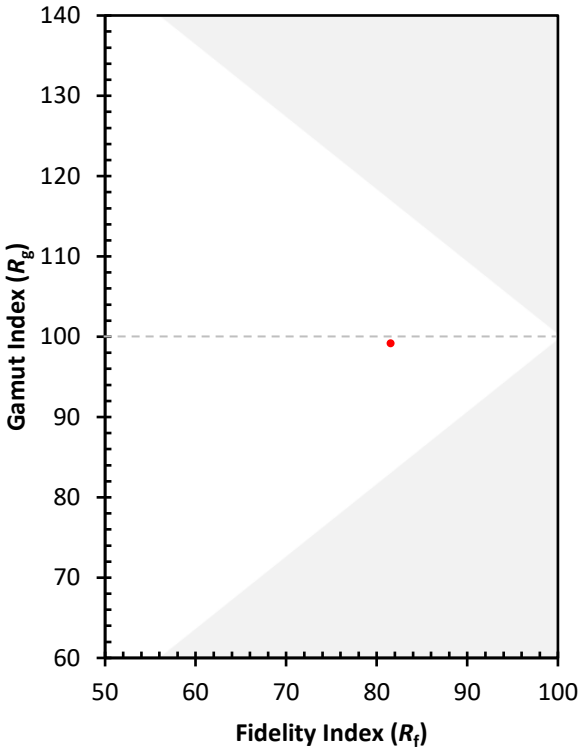


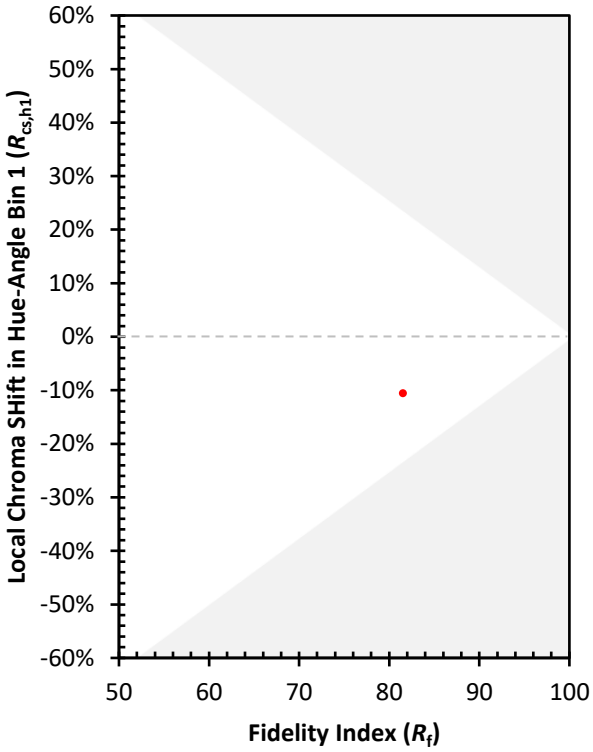


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)