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: P322710

Luminaire Tested: **GLEON-SA6A-830-U-T4FT-HSS**

Issue Date: 3/3/2020

Report Generated By E0585644

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:	P322710
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA6A-830-U-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15728 lumens
Efficiency:	N/A
Efficacy:	81.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	193
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:	24 FT

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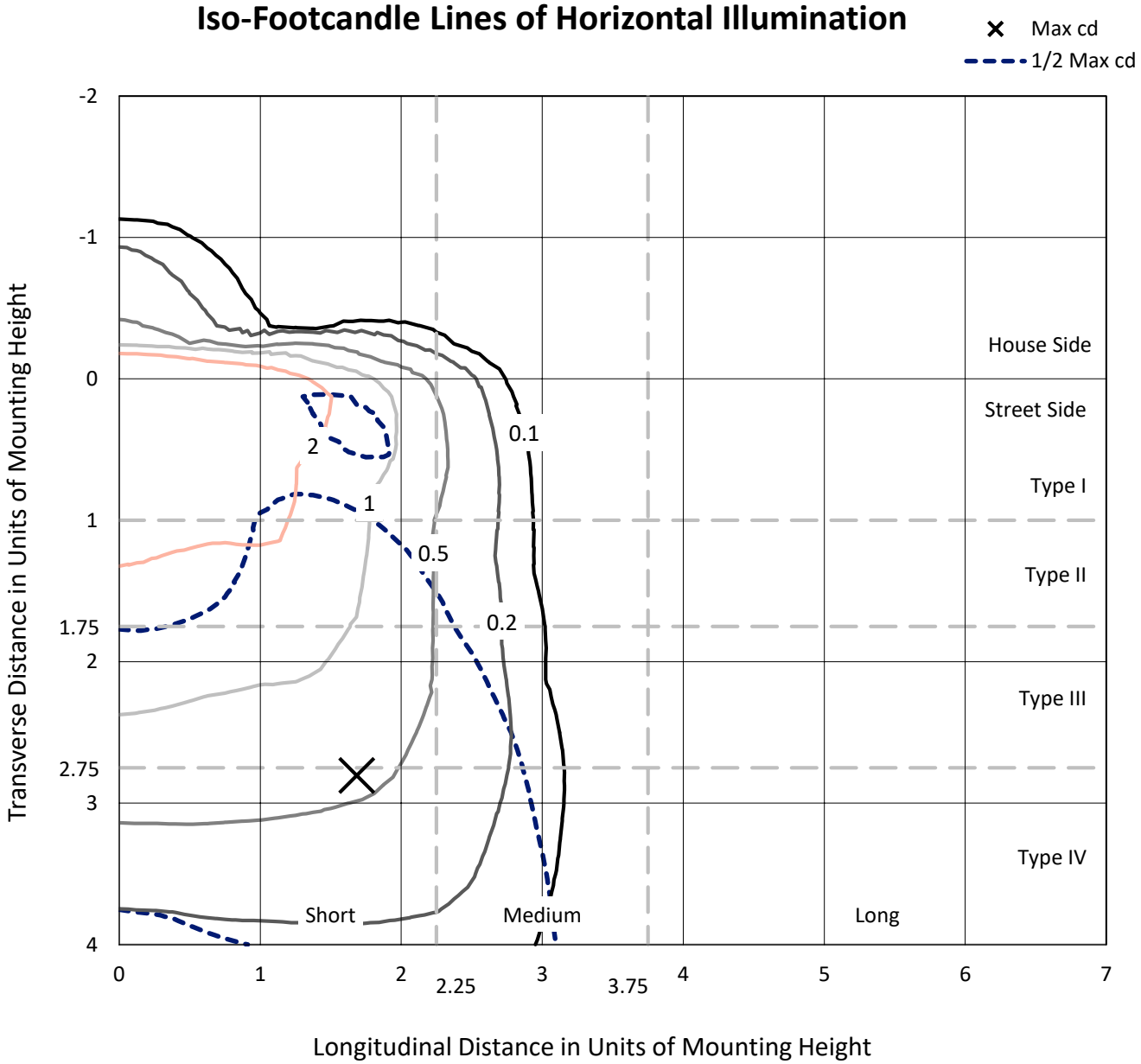
Scaled Data Report

REPORT NUMBER: P322710
CATALOG NUMBER: GLEON-SA6A-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
Type IV - Short - N/A

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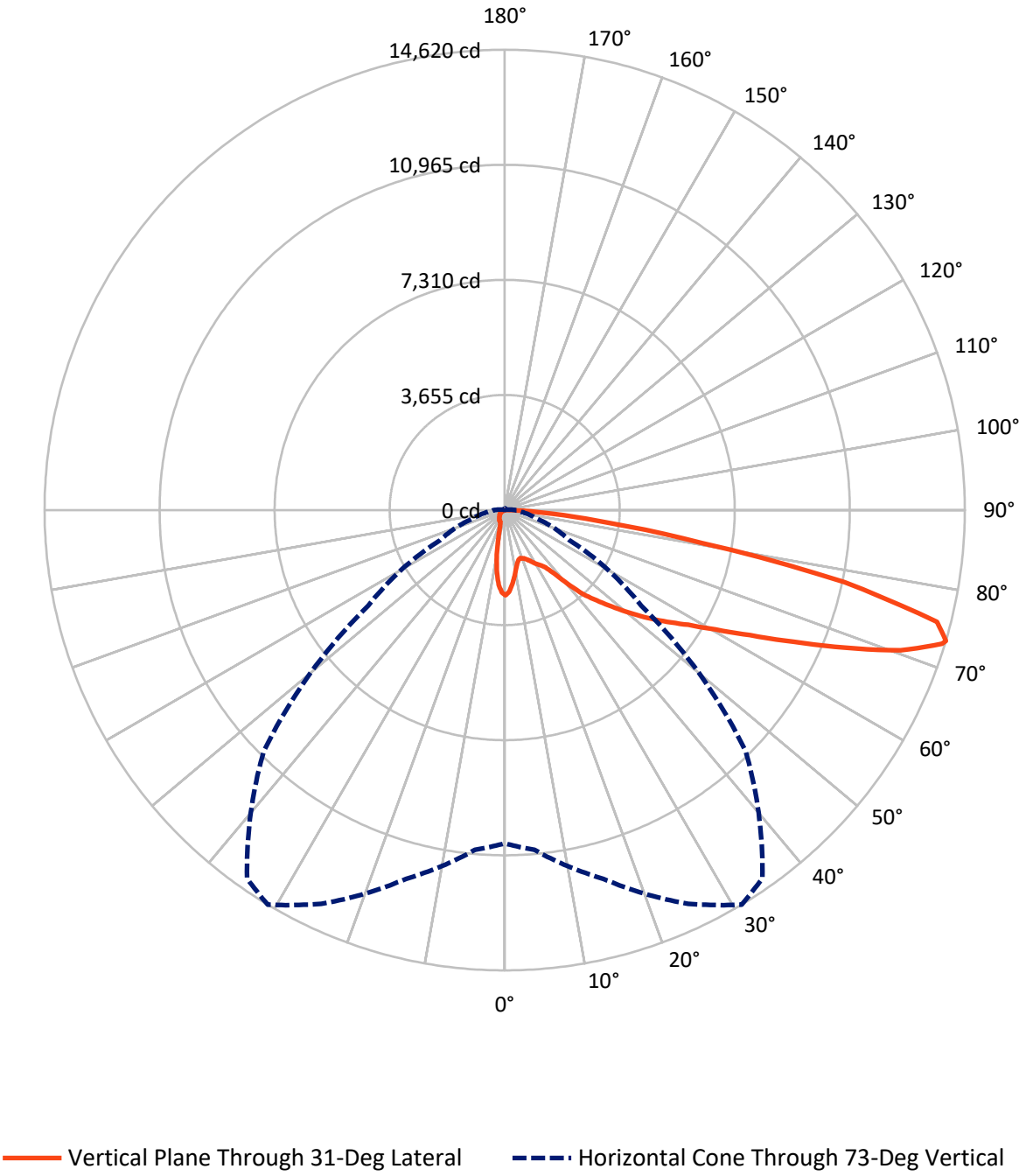
Luminous Intensity Polar Plot



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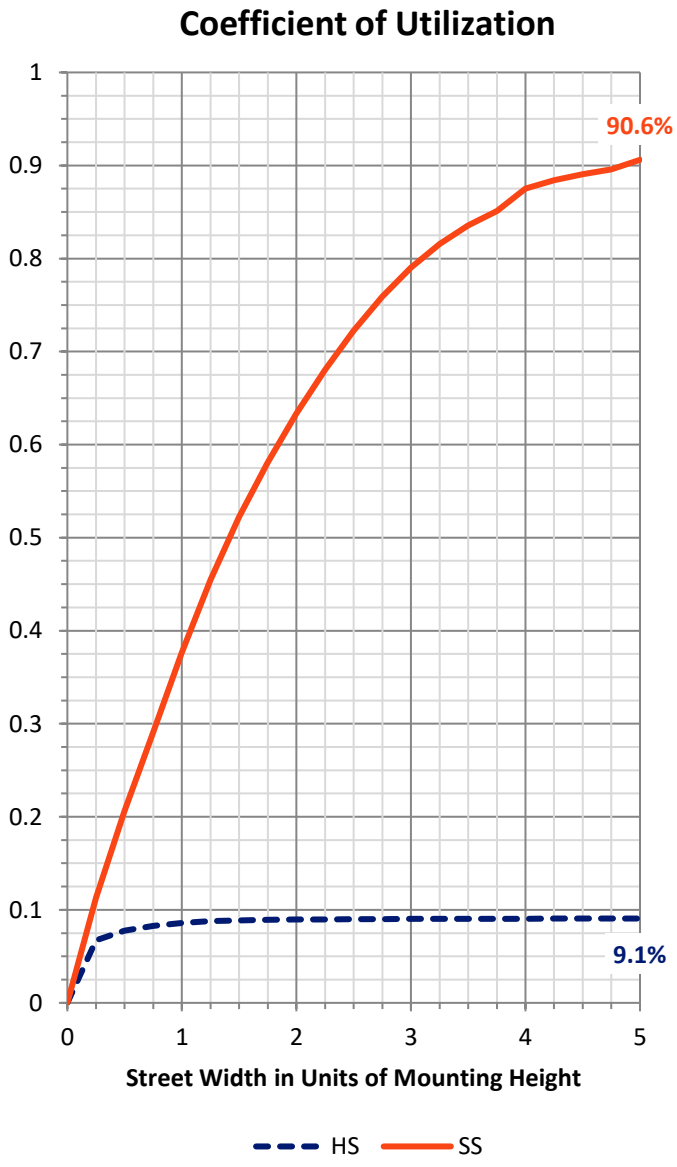
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1433.7	0.0	1433.7
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	14294.3	0.0	14294.3
	% Fixture	90.9	0.0	90.9
Total	Lumens	15728.0	0.0	15728.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.4	1.4
10°-20°	487.2	3.1
20°-30°	729.9	4.6
30°-40°	1161.3	7.4
40°-50°	2073.8	13.2
50°-60°	3217.9	20.5
60°-70°	4277.7	27.2
70°-80°	3217.7	20.5
80°-90°	338.1	2.1
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°	15728.0	100.0
0°-180°	15728.0	100.0



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REPORT NUMBER: P322710
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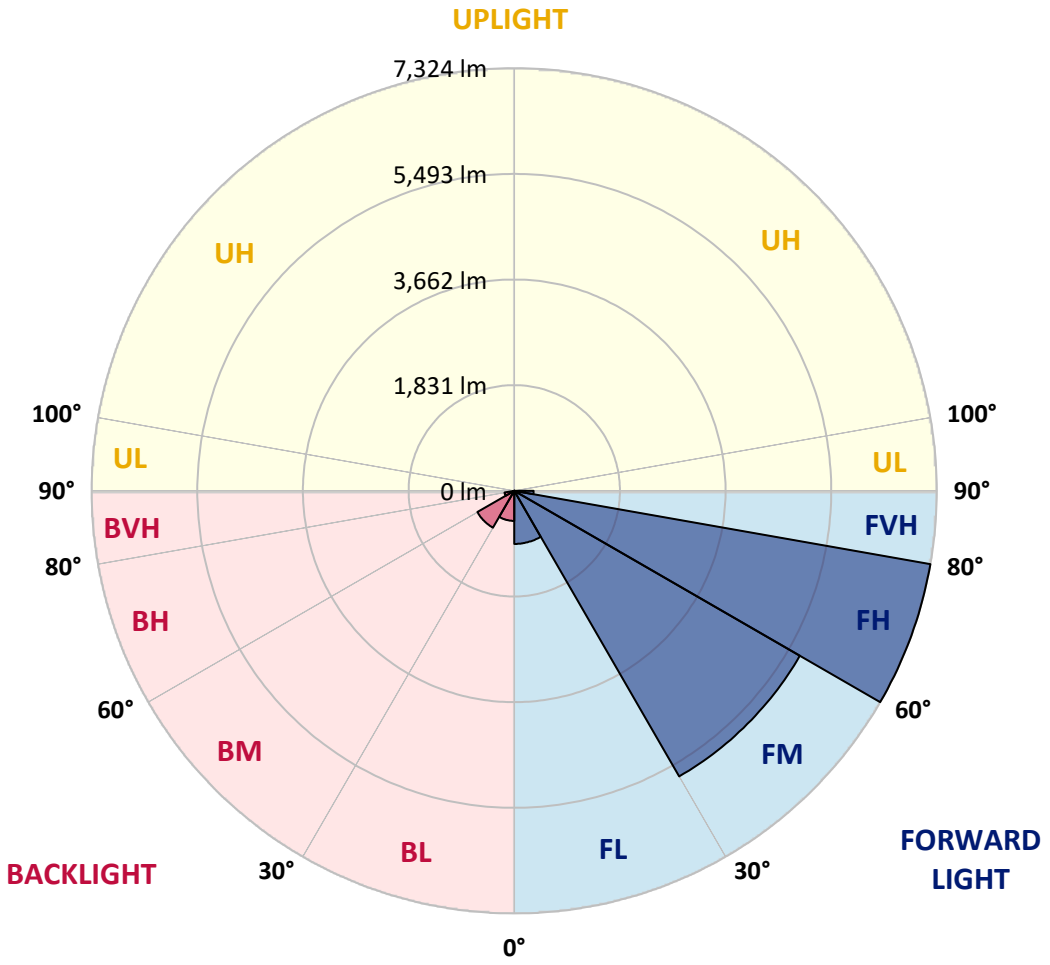
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	920.1	5.9			
FM	(30°-60°)	5715.0	36.3			
FH	(60°-80°)	7323.9	46.6			G3/7500
FVH	(80°-90°)	335.3	2.1			G3/500
BL	(0°-30°)	521.3	3.3	B2/1000		
BM	(30°-60°)	737.9	4.7	B1/1000		
BH	(60°-80°)	171.5	1.1	B1/500		G1/500
BVH	(80°-90°)	2.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



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Scaled Data Report

REPORT NUMBER: P322710
CATALOG NUMBER: GLEON-SA6A-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	2706.0	2706.0	2706.0	2706.0	2706.0	2706.0	2706.0	2706.0	2706.0	2706.0	2706.0
2.5°	2564.4	2575.2	2586.7	2589.1	2608.3	2609.1	2636.8	2657.5	2678.3	2698.3	2705.3
5°	2301.2	2318.9	2339.7	2360.5	2401.3	2417.4	2485.1	2554.4	2620.6	2683.7	2714.5
7.5°	2020.3	2040.3	2069.5	2121.1	2166.5	2198.1	2305.1	2428.2	2551.3	2667.6	2734.5
10°	1764.0	1782.5	1813.3	1867.9	1937.9	1981.0	2125.0	2295.8	2476.7	2652.9	2764.5
12.5°	1600.8	1610.8	1627.8	1686.3	1749.4	1797.9	1967.2	2178.8	2415.1	2652.2	2813.0
15°	1570.8	1573.9	1560.0	1586.2	1635.5	1682.4	1854.0	2084.2	2368.2	2664.5	2876.1
17.5°	1618.5	1617.0	1570.8	1567.7	1607.0	1645.5	1798.6	2018.8	2335.1	2693.0	2957.7
20°	1690.9	1685.5	1605.5	1590.8	1632.4	1668.6	1794.8	1994.1	2322.8	2740.7	3057.0
22.5°	1787.1	1777.9	1652.4	1637.0	1681.7	1719.4	1842.5	2018.0	2333.5	2804.5	3172.4
25°	1906.4	1892.5	1733.2	1716.3	1761.7	1799.4	1927.9	2086.5	2365.9	2882.3	3318.7
27.5°	2041.1	2021.1	1862.5	1818.6	1870.2	1909.5	2041.8	2191.1	2416.7	2964.6	3498.0
30°	2168.1	2141.9	1998.7	1926.4	1989.5	2033.4	2165.0	2315.8	2498.2	3091.6	3743.5
32.5°	2295.8	2266.6	2120.3	2034.1	2091.1	2138.8	2292.0	2487.5	2651.4	3285.6	4069.8
35°	2589.8	2559.0	2379.7	2237.3	2236.6	2263.5	2469.8	2722.2	2853.8	3555.7	4459.3
37.5°	3084.7	3067.0	2896.1	2626.0	2553.6	2523.6	2712.2	3002.3	3144.7	3927.4	4898.7
40°	3626.5	3611.1	3419.5	3174.7	3064.7	2990.8	3060.1	3392.5	3555.7	4381.5	5347.4
42.5°	4238.4	4165.3	3823.5	3750.4	3651.9	3595.7	3533.4	3873.6	4060.6	4875.6	5792.3
45°	4794.1	4670.9	4227.6	4116.8	4094.5	4108.3	4142.9	4520.1	4628.6	5462.9	6235.6
47.5°	5125.0	5028.0	4687.8	4581.6	4575.5	4667.1	4928.7	5250.4	5194.3	5974.7	6625.8
50°	5439.8	5352.0	5069.6	5095.7	5124.2	5248.9	5820.7	6001.6	5710.7	6438.8	6983.7
52.5°	5694.5	5560.6	5412.8	5559.8	5699.9	5900.8	6741.2	6675.8	6077.0	6808.2	7290.0
55°	5841.5	5780.7	5852.3	6000.1	6263.3	6589.6	7610.1	7236.9	6344.9	7145.3	7493.9
57.5°	6380.3	6261.0	6403.4	6531.1	6874.4	7330.8	8354.4	7654.8	6538.0	7353.9	7540.9
60°	7032.1	6935.9	7019.8	7232.3	7695.6	8232.0	9050.1	7995.7	6638.9	7487.8	7419.3
62.5°	8069.6	7942.6	7890.3	8128.1	8742.3	9328.0	9578.1	8232.0	6616.5	7428.5	7002.1
65°	9459.6	9328.0	9094.0	9309.5	10090.7	10504.0	10168.4	8282.0	6462.6	6949.0	5947.7
67.5°	10883.4	10788.0	10587.9	10951.1	11656.1	11789.3	10792.6	8160.4	5967.0	5634.5	4202.2
70°	11823.9	11783.1	11913.2	12716.7	13345.5	13307.0	11365.2	7507.0	4650.9	3464.9	2078.8
72.5°	11145.8	11341.3	12301.8	13758.8	14526.8	14212.8	11071.2	5764.6	2658.3	1333.0	601.1
73°	10584.0	10834.1	12127.1	13798.0	14620.0	14275.9	10824.1	5291.2	2265.8	1052.1	455.6
75°	7363.1	7670.2	10039.9	12850.6	14184.4	13601.7	9022.4	3238.6	1049.8	466.4	183.9
77.5°	3575.0	3802.0	5528.3	9284.9	11031.2	10627.1	5616.8	1206.8	474.1	291.7	84.7
80°	1334.5	1483.9	2399.7	4725.6	6374.9	6541.9	2470.5	456.4	315.6	234.7	43.1
82.5°	349.4	389.4	885.1	2107.3	3267.1	3419.5	778.9	230.1	230.9	193.2	26.2
85°	111.6	127.8	276.3	945.9	1539.3	1351.5	203.2	111.6	167.8	143.9	14.6
87.5°	13.9	17.7	87.7	222.4	339.4	188.6	31.6	33.1	71.6	80.0	8.5
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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Scaled Data Report

REPORT NUMBER: P322710
CATALOG NUMBER: GLEON-SA6A-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2706.0	2706.0	2706.0	2706.0	2706.0	2706.0	2706.0	2706.0	2706.0	2706.0	2706.0
2.5°	2712.2	2708.3	2709.1	2689.1	2676.0	2649.9	2622.9	2610.6	2597.5	2592.1	2597.5
5°	2726.0	2719.1	2699.1	2637.5	2572.1	2487.5	2408.2	2348.2	2272.7	2252.0	2273.5
7.5°	2747.6	2733.7	2675.2	2549.8	2404.3	2242.7	2061.1	1928.7	1820.2	1750.1	1775.5
10°	2779.1	2753.0	2635.2	2422.0	2161.9	1875.6	1617.8	1416.9	1274.5	1216.0	1213.7
12.5°	2832.3	2783.0	2586.0	2255.8	1865.6	1483.9	1146.0	928.2	812.7	738.1	736.5
15°	2890.7	2818.4	2523.6	2056.5	1520.8	1062.9	738.1	572.6	498.0	474.1	471.0
17.5°	2962.3	2859.2	2442.8	1810.9	1159.8	704.2	481.8	434.1	431.0	428.7	428.7
20°	3052.4	2907.7	2338.9	1530.0	822.7	470.2	409.4	412.5	414.1	411.0	411.8
22.5°	3157.0	2956.9	2215.0	1228.3	556.4	393.3	391.7	395.6	397.1	395.6	396.4
25°	3278.6	3013.9	2064.2	912.0	401.7	373.3	377.1	382.5	386.4	386.4	386.4
27.5°	3429.5	3083.2	1882.5	636.5	347.1	352.5	363.3	373.3	378.7	380.2	380.2
30°	3625.7	3169.4	1664.7	436.4	315.6	324.8	344.8	364.0	374.0	375.6	376.4
32.5°	3873.6	3266.3	1412.3	322.5	288.6	295.5	317.1	349.4	368.7	371.7	371.7
35°	4157.6	3378.7	1140.6	280.9	269.4	271.7	288.6	325.6	359.4	367.9	368.7
37.5°	4468.5	3489.5	867.4	262.4	253.2	253.2	265.5	297.1	337.1	363.3	366.3
40°	4758.6	3556.5	608.0	247.8	238.6	238.6	249.4	272.5	310.2	349.4	357.9
42.5°	5026.5	3579.6	423.3	234.0	224.7	227.0	236.3	254.7	283.2	322.5	330.2
45°	5302.0	3575.7	308.6	217.8	210.9	217.8	224.7	238.6	259.4	281.7	283.2
47.5°	5509.8	3543.4	244.7	202.4	197.8	207.0	213.2	222.4	234.0	232.4	232.4
50°	5704.5	3464.9	197.0	181.6	184.7	195.5	198.6	201.6	202.4	187.8	186.3
52.5°	5852.3	3342.5	157.8	159.3	171.6	182.4	179.3	174.7	167.0	149.3	146.2
55°	5901.6	3107.0	123.9	131.6	152.4	166.2	154.7	144.7	130.1	115.4	112.4
57.5°	5812.3	2803.0	100.8	102.4	128.5	140.1	127.0	115.4	99.3	87.0	84.7
60°	5622.9	2465.1	83.1	77.0	99.3	109.3	100.8	89.3	74.7	65.4	64.6
62.5°	5247.4	2105.0	68.5	60.0	75.4	83.9	78.5	70.0	57.7	51.6	50.8
65°	4457.7	1684.0	55.4	48.5	58.5	65.4	60.8	54.6	45.4	40.8	40.0
67.5°	3111.6	1138.3	45.4	40.0	46.2	51.6	47.7	44.6	36.2	35.4	36.2
70°	1500.8	548.7	37.7	32.3	36.2	40.0	38.5	36.2	34.6	40.0	46.2
72.5°	430.2	183.9	30.0	26.9	29.2	31.6	33.1	32.3	37.7	48.5	56.2
73°	*330.9*	*148.5*	*28.5*	*25.4*	*27.7*	*30.8*	*32.3*	*31.6*	*38.5*	*49.3*	*56.2*
75°	141.6	71.6	21.5	20.8	23.1	26.9	28.5	28.5	38.5	50.0	53.9
77.5°	63.9	38.5	13.9	16.2	20.0	21.5	23.9	23.9	30.8	38.5	38.5
80°	36.2	20.8	10.8	12.3	14.6	14.6	14.6	13.1	13.9	15.4	16.9
82.5°	23.1	13.9	8.5	10.0	9.2	7.7	6.2	6.2	5.4	6.2	7.7
85°	13.1	7.7	7.7	6.2	3.8	3.1	3.8	3.1	0.8	0.0	0.8
87.5°	7.7	4.6	2.3	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

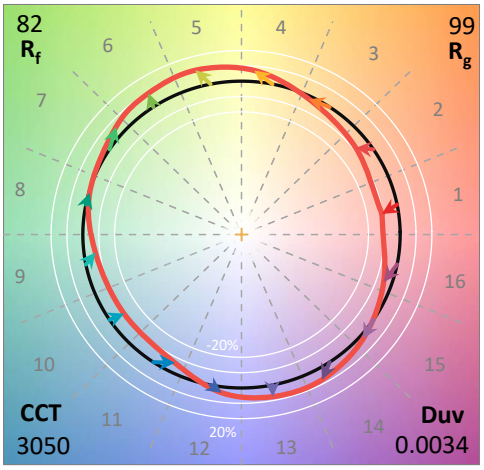
Test Information

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

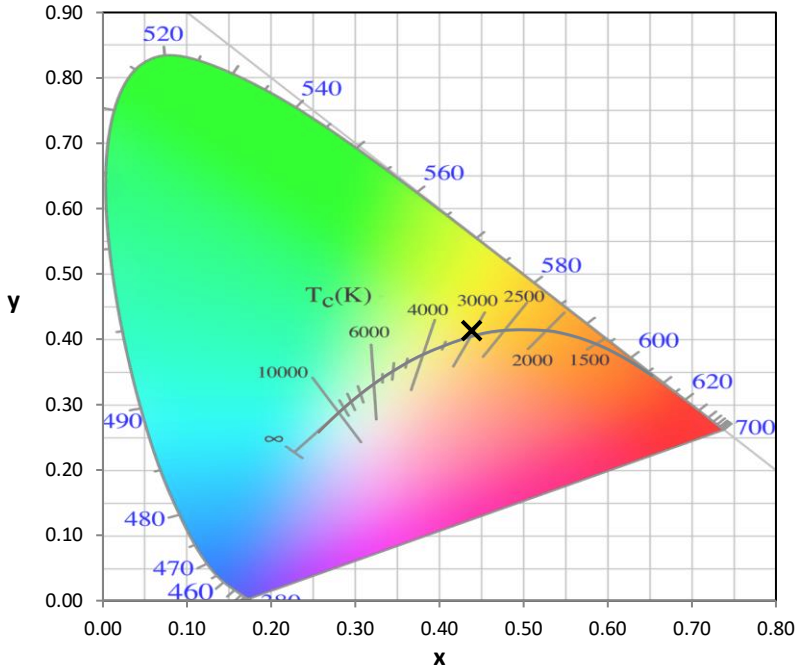
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

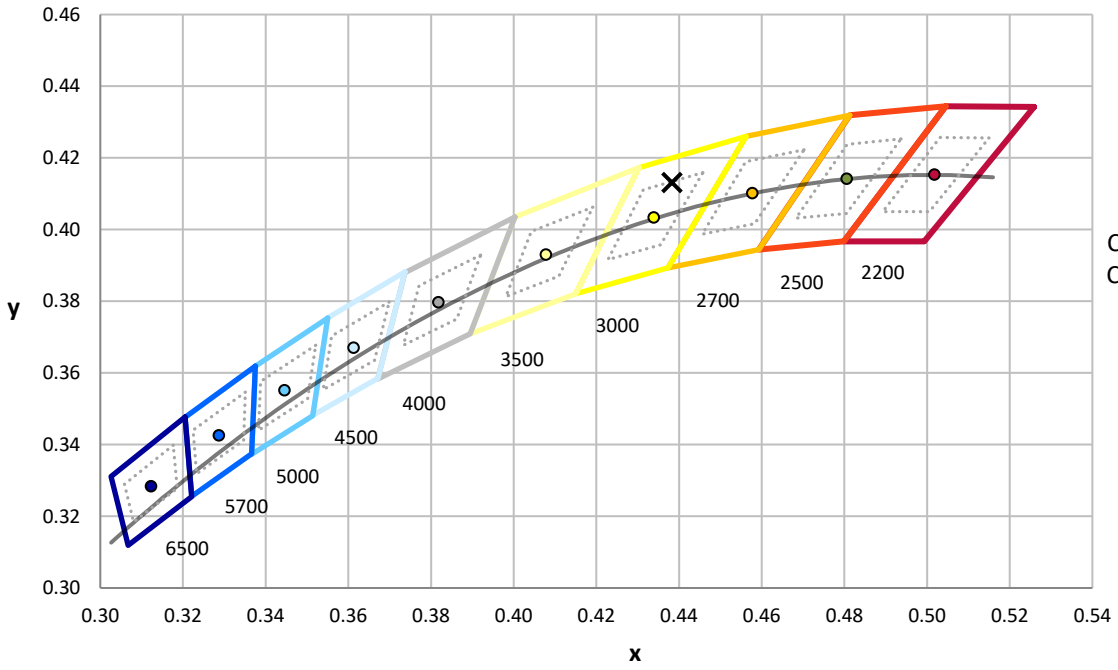
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

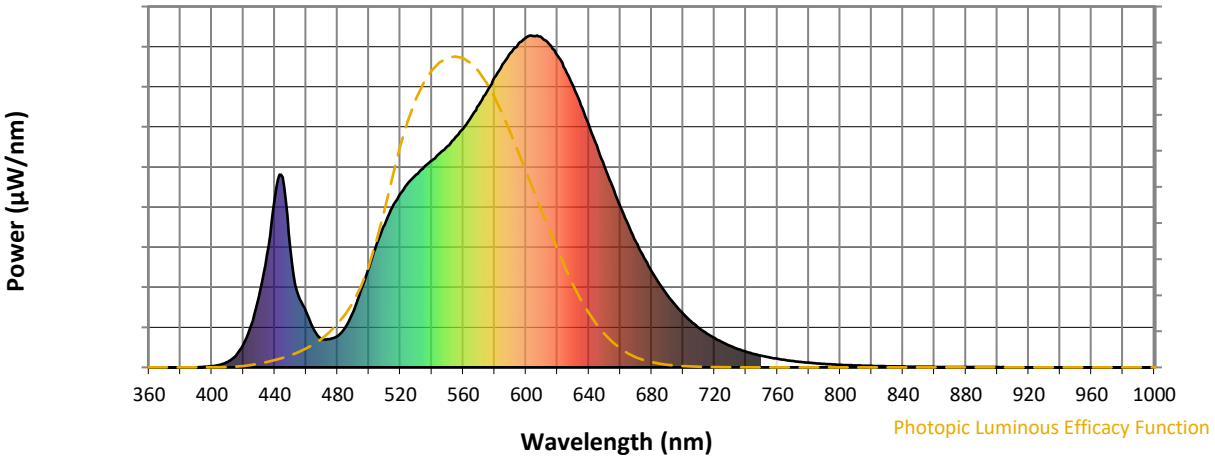


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

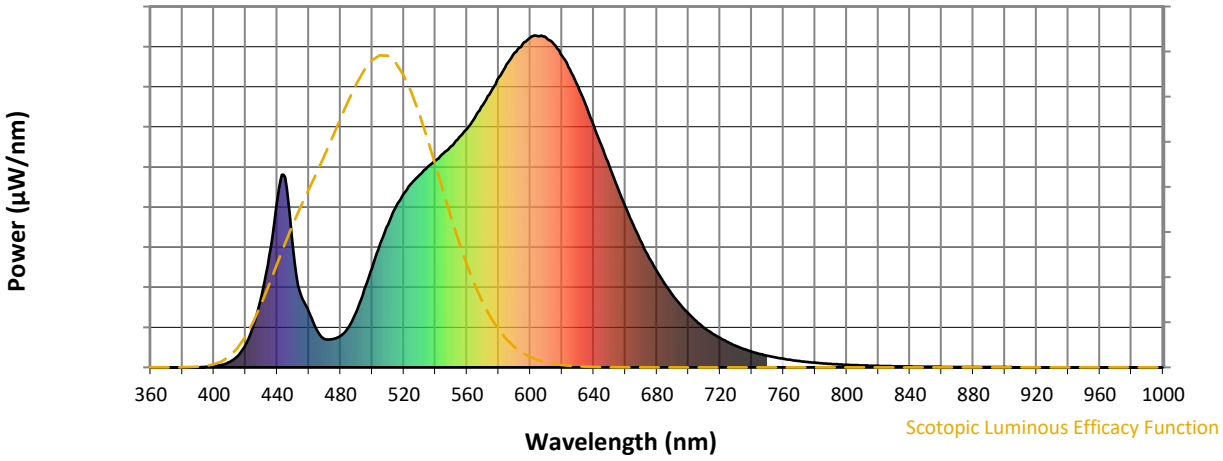


Photopic Lumens: NR

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

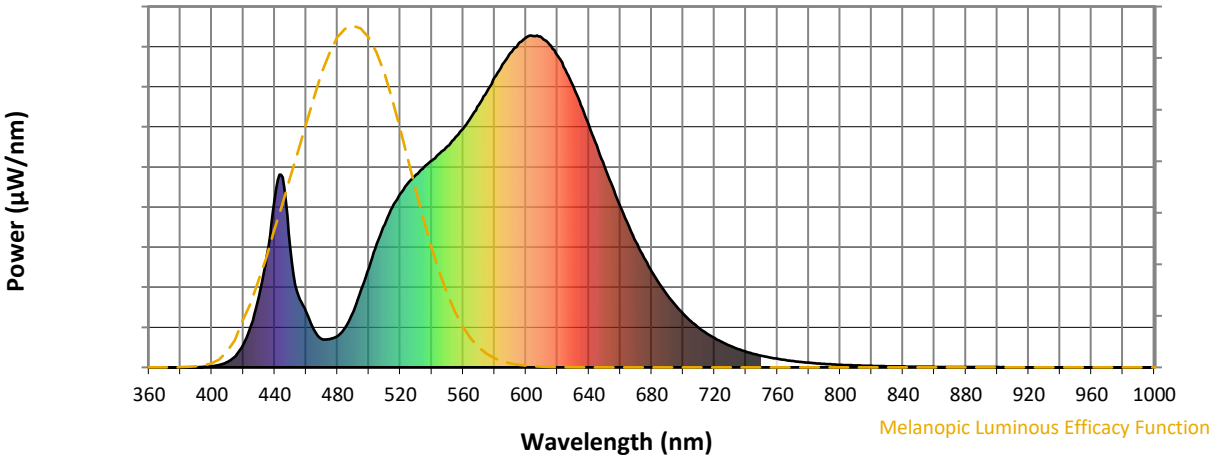


Scotopic Lumens: NR **S/P: 1.27**

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			

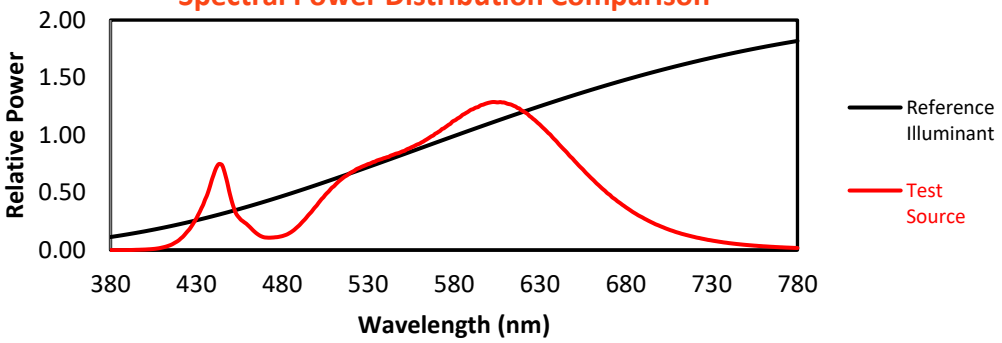
REPORT NUMBER: SP1-2408-195-9

TM-30-18

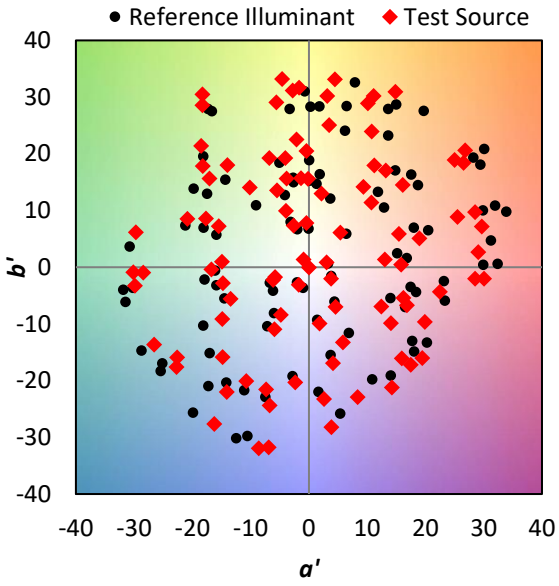
Summary

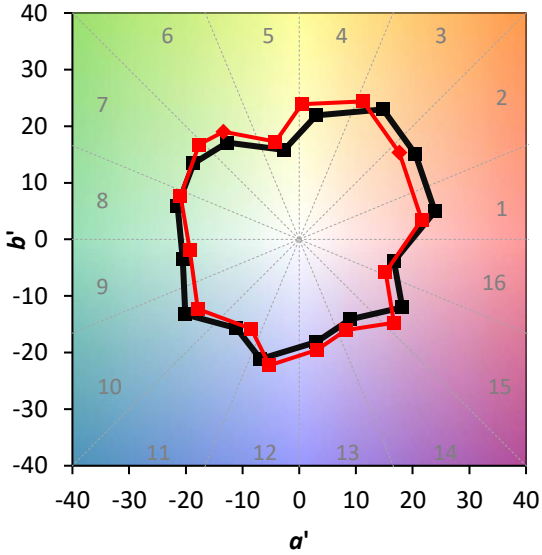
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

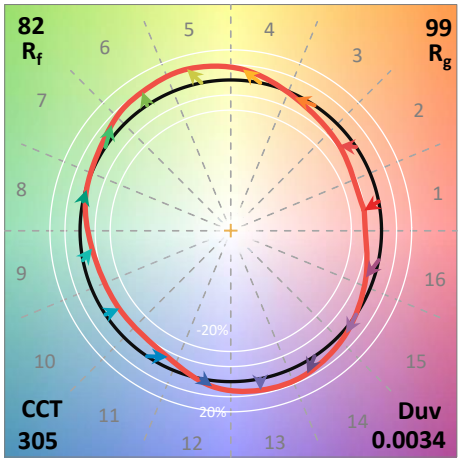
Spectral Power Distribution Comparison

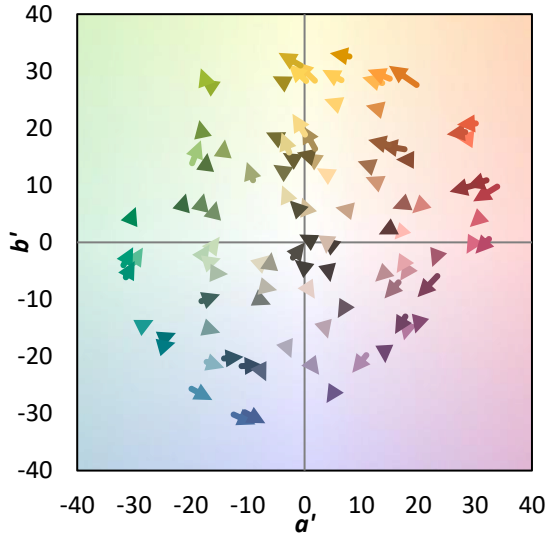


Color Vector Graphics







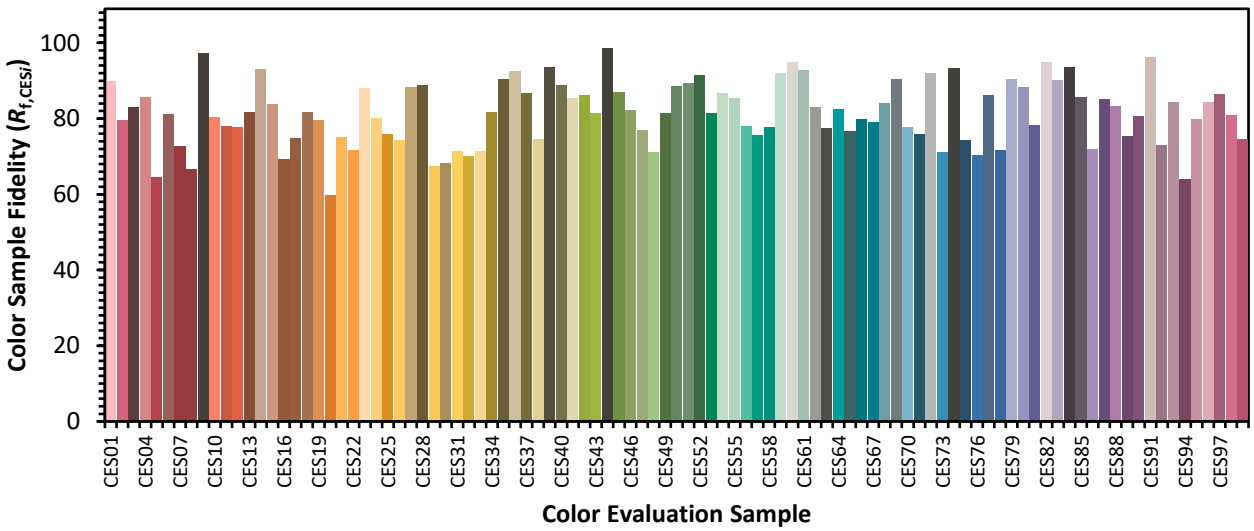


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

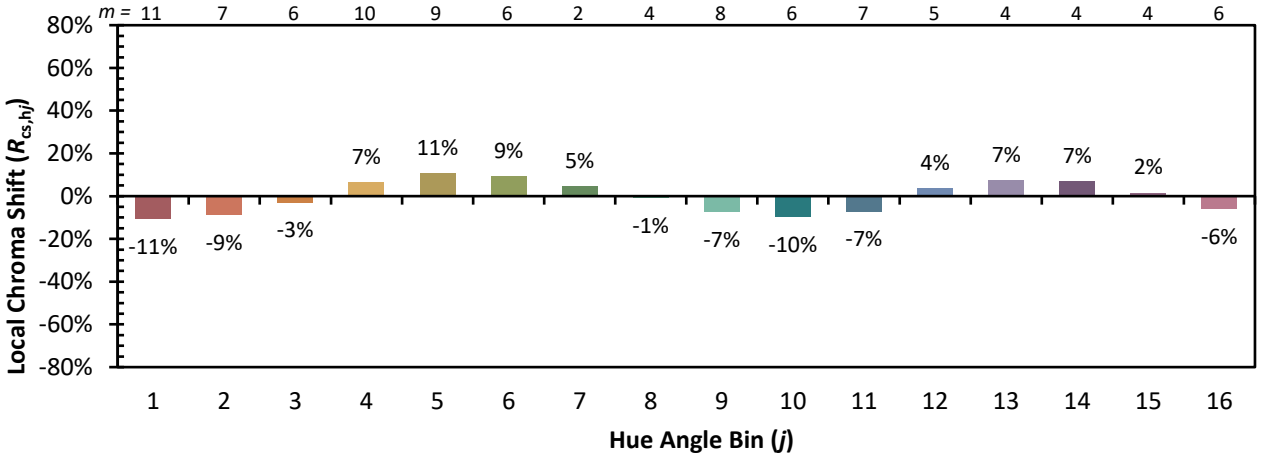
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

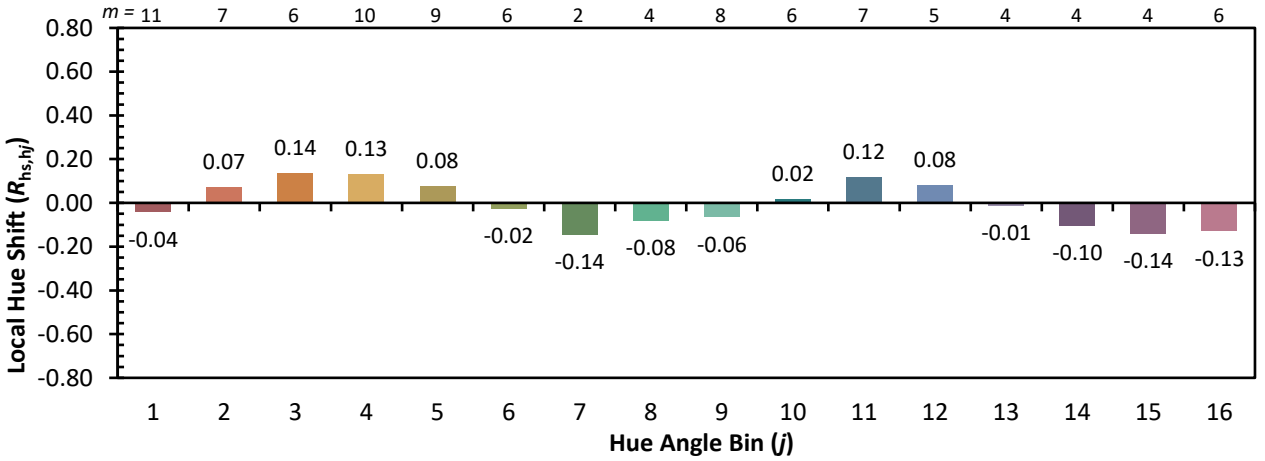


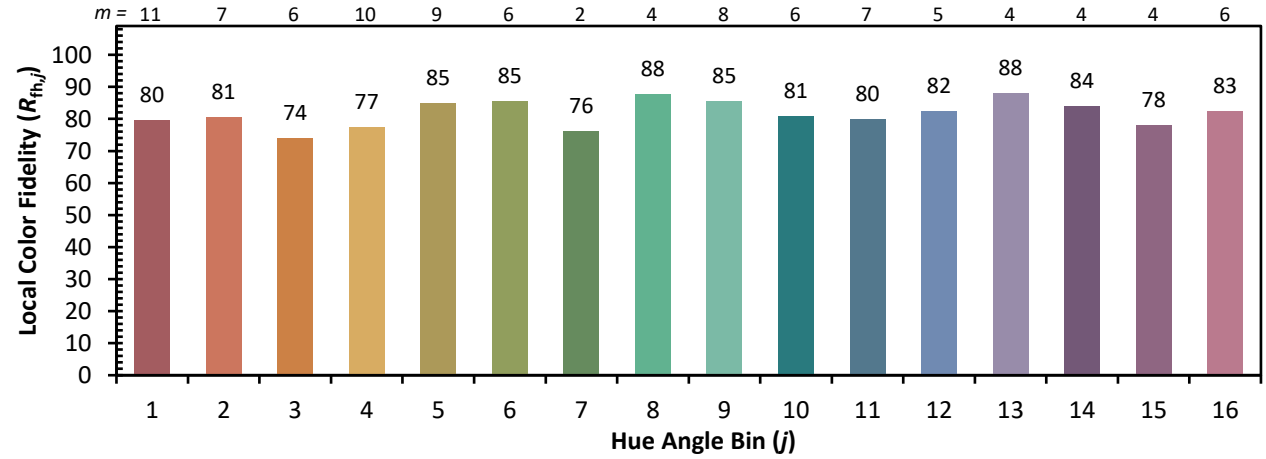
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



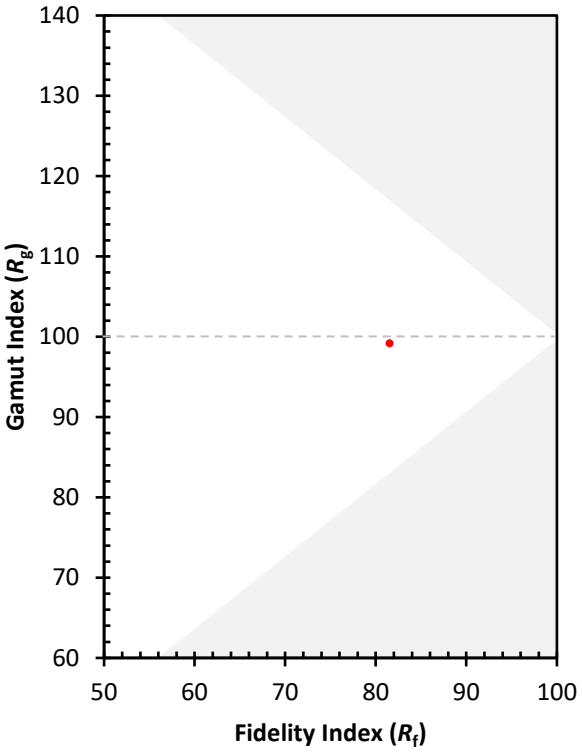


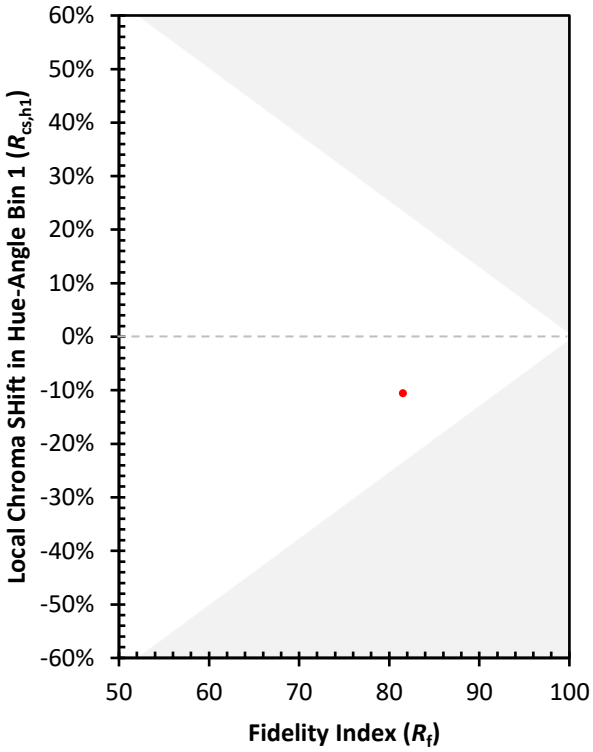


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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