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: P318897

Luminaire Tested: **GLEON-SA3D-830-U-T4FT**

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:	P318897
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA3D-830-U-T4FT
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18937 lumens
Efficiency:	N/A
Efficacy:	99.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	191
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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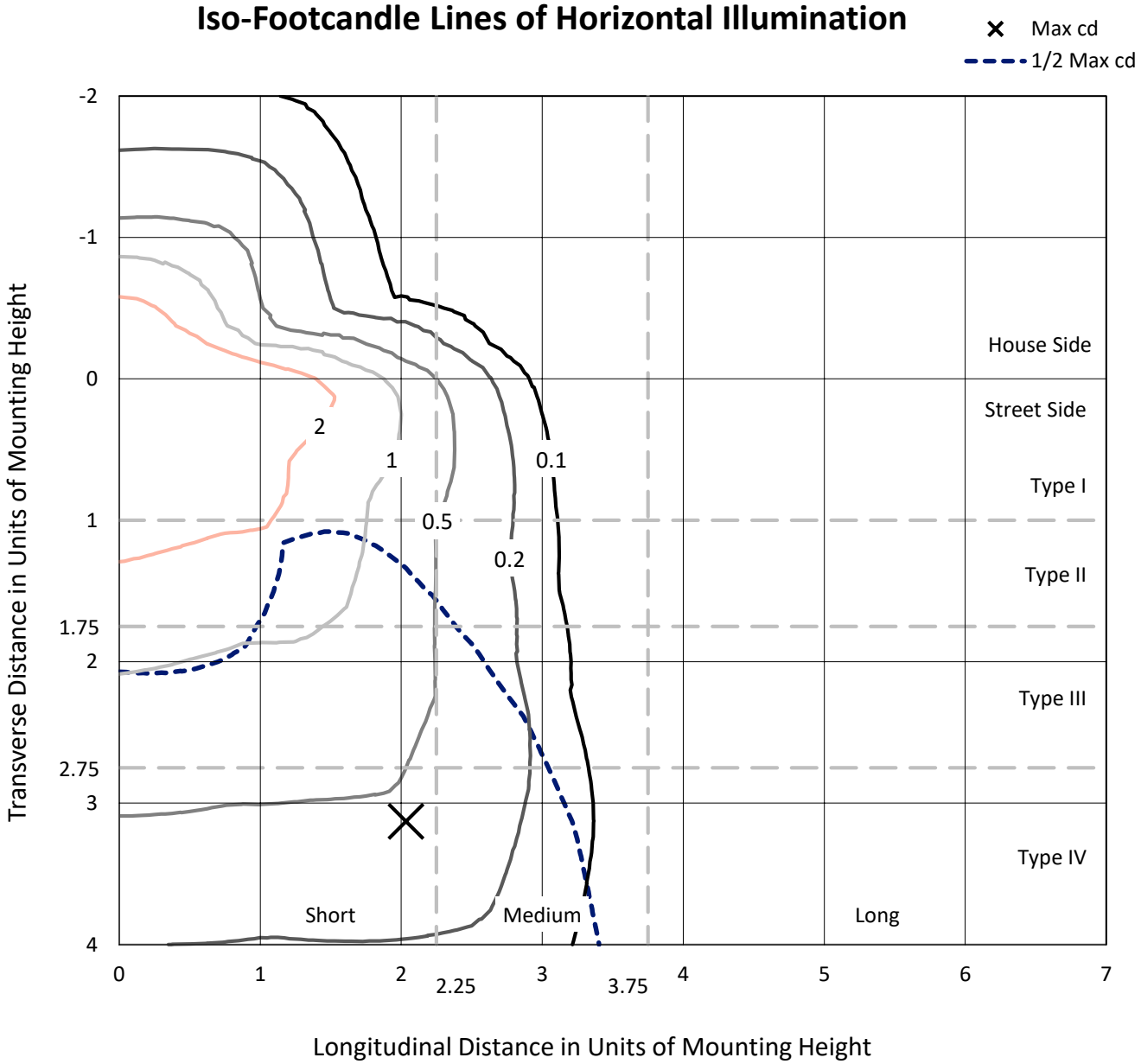
Scaled Data Report

REPORT NUMBER: P318897
CATALOG NUMBER: GLEON-SA3D-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
Type IV - Short - N/A

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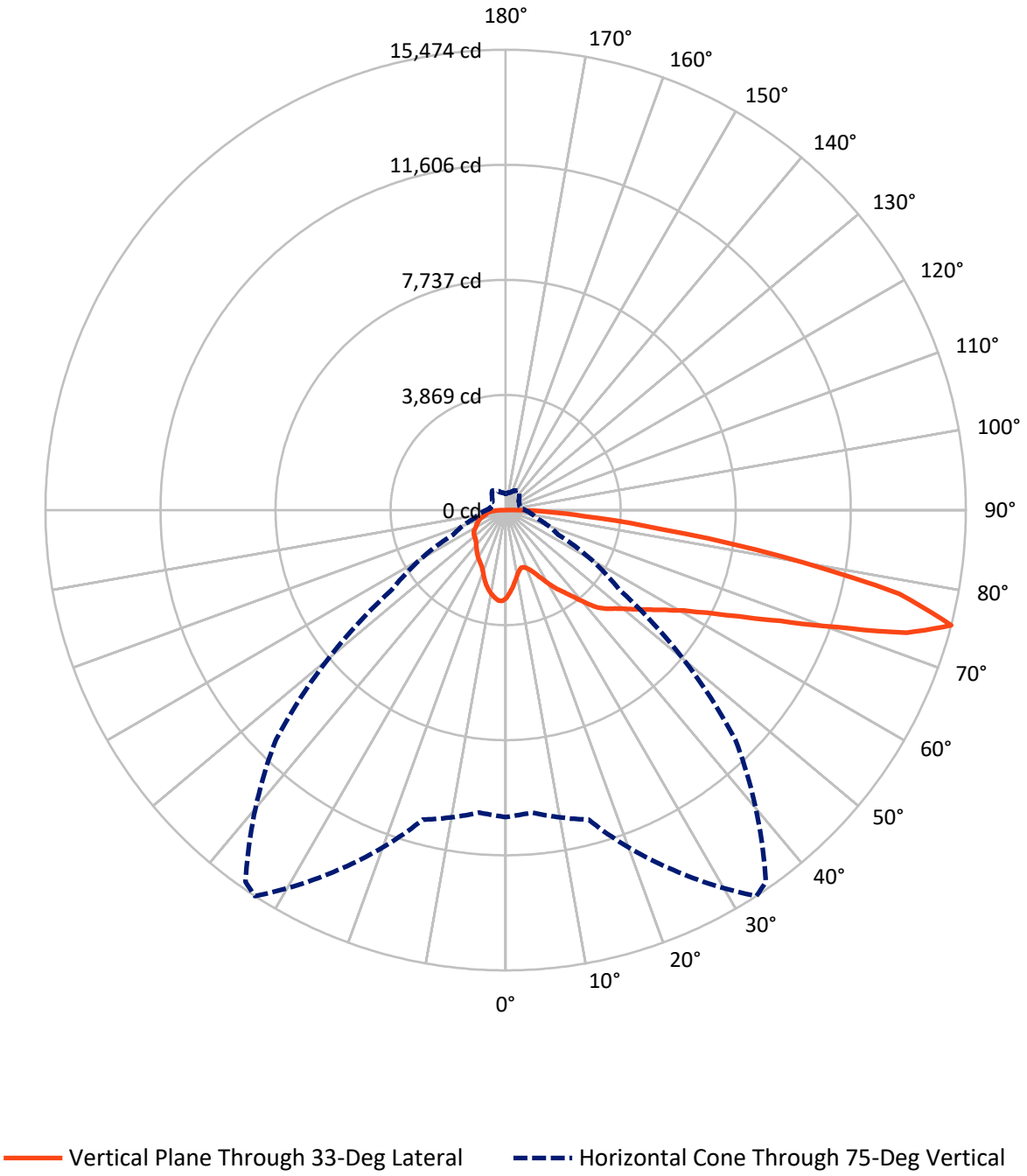
Luminous Intensity Polar Plot



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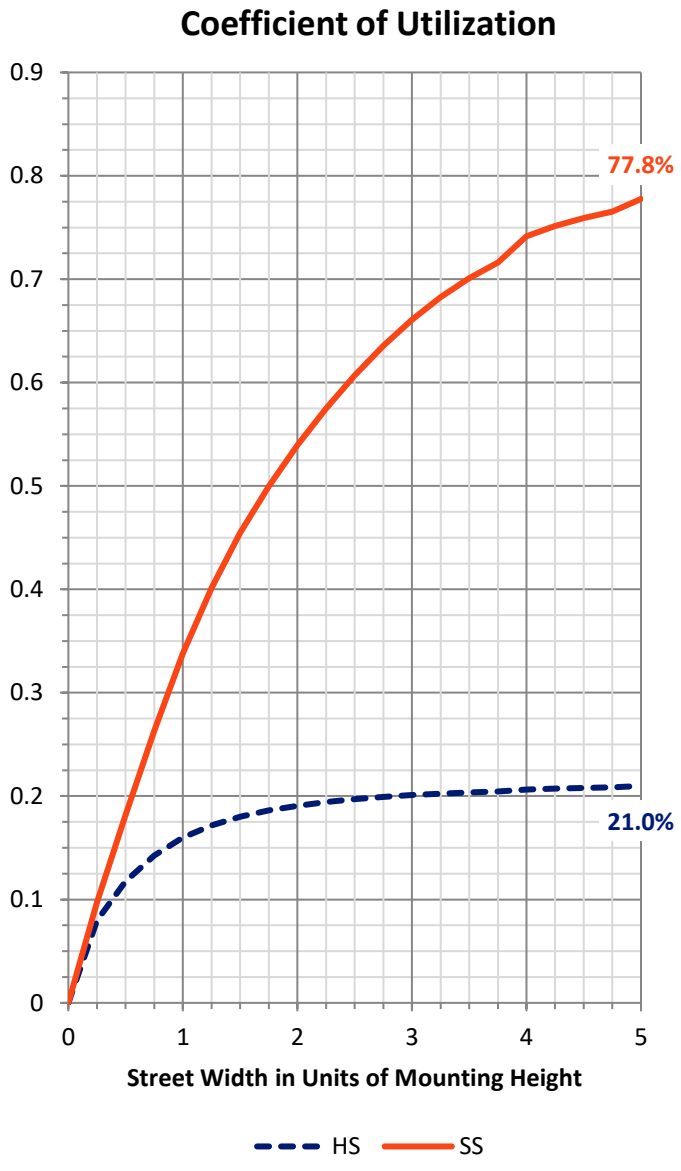
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4066.3	0.0	4066.3
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	14870.7	0.0	14870.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	18937.0	0.0	18937.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.7	1.4
10°-20°	725.0	3.8
20°-30°	1184.1	6.3
30°-40°	1763.3	9.3
40°-50°	2529.1	13.4
50°-60°	3472.1	18.3
60°-70°	4346.9	23.0
70°-80°	3932.4	20.8
80°-90°	716.3	3.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	18937.0	100.0
0°-180°	18937.0	100.0



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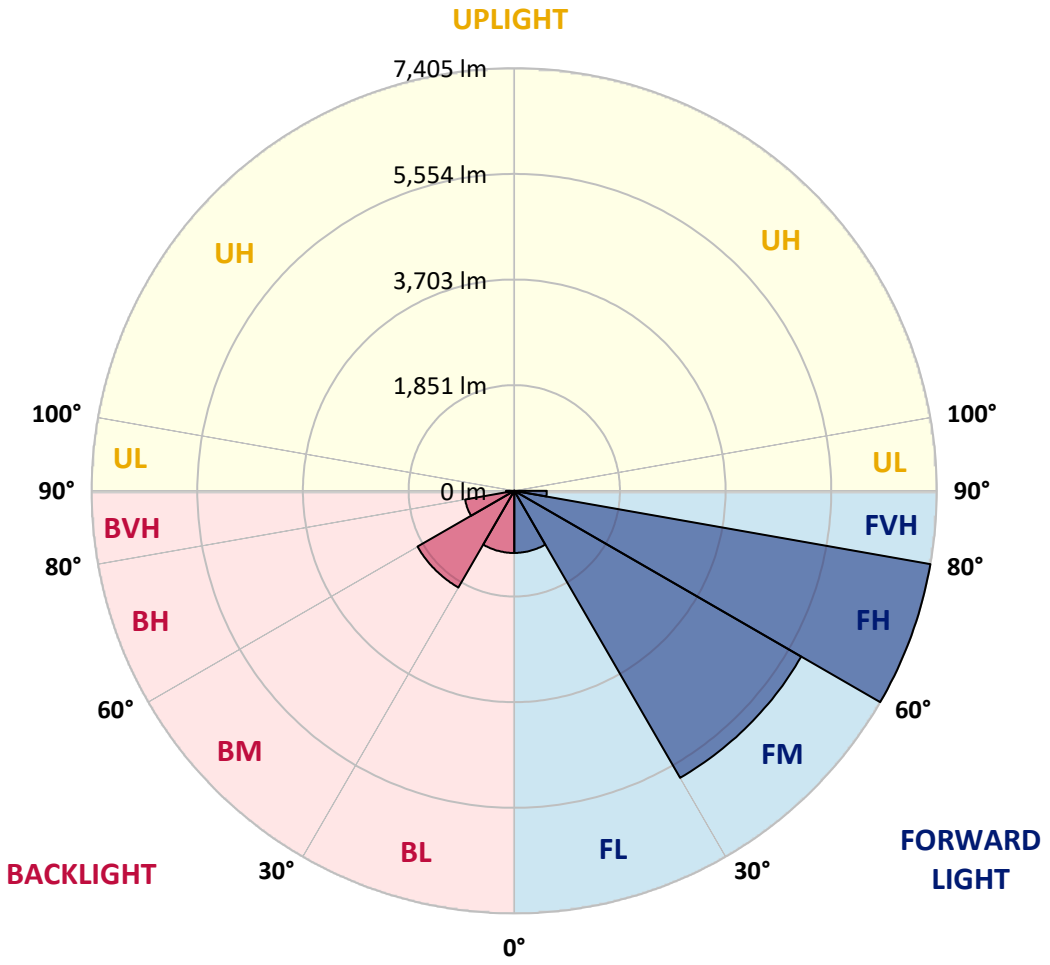
CATALOG NUMBER: GLEON-SA3D-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1087.6	5.7			
FM	(30°-60°)	5807.6	30.7			
FH	(60°-80°)	7405.0	39.1			G3/7500
FVH	(80°-90°)	570.5	3.0			G4/750
BL	(0°-30°)	1089.1	5.8	B3/2500		
BM	(30°-60°)	1957.0	10.3	B2/2500		
BH	(60°-80°)	874.3	4.6	B2/1000		G2/1000
BVH	(80°-90°)	145.8	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type IV Short



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REPORT NUMBER: P318897
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	2960.0	2960.0	2960.0	2960.0	*2960.0*	2960.0	2960.0	2960.0	2960.0	2960.0	2960.0
2.5°	2748.7	2738.2	2757.8	2760.4	*2777.5*	2784.0	2807.5	2844.2	2874.3	2908.9	2940.3
5°	2499.4	2492.3	2519.7	2539.4	*2576.6*	2592.3	2647.9	2725.8	2795.1	2873.6	2944.9
7.5°	2262.7	2258.7	2289.5	2334.0	*2377.1*	2398.7	2494.9	2608.0	2723.8	2850.7	2960.0
10°	2063.1	2061.8	2091.3	2135.1	*2198.5*	2222.7	2347.0	2496.2	2658.4	2833.1	2985.5
12.5°	1951.3	1955.9	1969.6	2006.2	*2065.1*	2089.3	2227.3	2402.6	2603.5	2827.2	3022.8
15°	1978.8	1986.0	1962.4	1961.1	*2003.0*	2021.9	2151.4	2335.9	2564.2	2837.0	3077.0
17.5°	2095.8	2097.2	2035.0	1995.8	*2021.3*	2031.1	2127.9	2298.0	2541.3	2859.2	3145.1
20°	2260.7	2257.4	2147.5	2082.1	*2095.8*	2098.5	2161.3	2298.6	2539.4	2897.8	3233.4
22.5°	2479.2	2455.0	2307.1	2218.2	*2214.9*	2211.0	2247.0	2347.0	2568.1	2960.6	3338.7
25°	2764.4	2741.5	2538.0	2416.4	*2390.2*	2380.4	2385.6	2450.4	2625.0	3028.0	3456.4
27.5°	3081.6	3041.7	2845.5	2673.4	*2619.2*	2605.4	2574.0	2596.3	2687.2	3092.7	3596.4
30°	3347.2	3325.6	3154.2	2950.1	*2886.0*	2866.4	2784.0	2759.8	2776.8	3181.1	3773.0
32.5°	3495.7	3481.3	3377.3	3212.5	*3152.9*	3125.5	3009.0	2960.6	2920.7	3320.4	4012.5
35°	3675.6	3666.4	3603.6	3483.9	*3395.6*	3366.8	3276.6	3226.2	3123.5	3512.0	4321.9
37.5°	3904.5	3894.7	3896.0	3799.2	*3693.9*	3667.1	3607.6	3554.6	3386.5	3763.9	4658.1
40°	4163.6	4144.6	4137.4	4132.8	*4066.1*	4051.1	4019.7	3947.7	3716.1	4064.8	4989.7
42.5°	4553.4	4486.1	4342.1	4396.4	*4462.5*	4454.7	4480.2	4376.8	4082.5	4420.6	5313.5
45°	4929.6	4819.0	4570.4	4582.2	*4726.8*	4770.6	4961.6	4888.3	4479.5	4810.5	5648.5
47.5°	5100.9	5017.2	4805.9	4806.6	*4949.8*	5040.8	5459.4	5407.1	4896.9	5253.4	6057.3
50°	5292.6	5208.9	5019.2	5090.5	*5215.4*	5312.2	5940.2	5913.4	5293.9	5738.1	6547.2
52.5°	5501.9	5360.0	5239.6	5367.2	*5542.5*	5655.0	6421.6	6348.4	5658.3	6226.1	7110.4
55°	5504.5	5465.9	5557.5	5651.1	*5913.4*	6051.4	6926.0	6732.4	5955.2	6705.5	7569.0
57.5°	5817.9	5755.1	5949.4	5992.5	*6335.3*	6491.0	7427.7	7066.6	6257.5	7073.2	7816.3
60°	6232.6	6179.0	6337.9	6451.7	*6857.3*	7065.3	7963.4	7410.0	6494.9	7350.5	7804.5
62.5°	6948.9	6888.0	6886.1	7045.7	*7591.9*	7833.9	8564.6	7746.9	6589.1	7405.5	7471.5
65°	7997.5	7900.6	7718.1	7794.0	*8606.4*	8847.8	9236.4	7990.9	6464.8	7111.1	6614.0
67.5°	9017.9	9014.6	8790.3	8945.9	*9946.1*	10139.7	10001.7	8015.1	6076.9	6086.1	5092.4
70°	10035.1	10048.2	10010.2	10551.8	*11756.1*	11957.6	10816.8	7690.0	5204.9	4395.1	3050.9
72.5°	10841.0	10837.7	11028.7	12425.3	*14105.1*	14060.0	11503.6	6704.9	3737.1	2372.5	1458.1
75°	*10319.0*	*10205.2*	*10774.3*	*13352.9*	*15474.2*	*15253.8*	*10919.5*	*4677.1*	*1939.5*	*1080.0*	*785.0*
77.5°	6730.4	6838.3	7673.7	11030.7	*13535.4*	13267.2	8011.2	2182.2	913.8	708.4	569.1
80°	2437.3	2551.1	3593.2	6248.3	*9325.3*	9281.5	3945.1	896.8	618.2	535.1	414.7
82.5°	838.6	880.5	1417.5	2774.8	*5265.1*	5461.4	1484.2	509.6	449.4	379.4	283.9
85°	329.0	376.8	648.2	1335.1	*2655.8*	2675.4	601.1	304.8	312.7	248.6	155.7
87.5°	124.9	151.8	310.1	620.1	*1212.8*	1114.0	215.2	145.2	177.9	147.8	73.9
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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CATALOG NUMBER: GLEON-SA3D-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2960.0	2960.0	2960.0	2960.0	2960.0	2960.0	2960.0	2960.0	2960.0	2960.0	2960.0
2.5°	2964.5	2978.3	3007.1	3026.7	3047.6	3053.5	3056.1	3061.4	3066.6	3064.6	3065.3
5°	2982.9	3009.7	3056.1	3075.7	3084.9	3074.4	3054.2	3037.8	3026.0	3019.5	3017.5
7.5°	3012.9	3050.9	3100.6	3097.3	3076.4	3030.0	2977.6	2938.4	2905.7	2893.9	2887.4
10°	3052.8	3097.3	3132.0	3094.7	3033.9	2953.4	2874.9	2814.1	2765.0	2746.1	2742.8
12.5°	3103.9	3149.0	3155.5	3076.4	2975.7	2865.8	2759.1	2678.7	2605.4	2581.9	2576.6
15°	3169.9	3212.5	3171.9	3044.3	2903.7	2755.9	2617.8	2508.6	2431.4	2402.6	2392.2
17.5°	3239.3	3279.8	3175.2	2991.4	2809.5	2625.7	2452.4	2340.5	2252.2	2218.8	2214.9
20°	3322.3	3340.7	3161.4	2915.5	2680.0	2456.9	2274.4	2169.1	2122.0	2098.5	2095.8
22.5°	3425.0	3405.4	3130.0	2812.8	2515.8	2262.0	2113.5	2064.4	2052.7	2047.4	2049.4
25°	3533.6	3473.5	3083.6	2678.7	2308.4	2067.1	1995.8	2009.5	2025.2	2023.2	2023.2
27.5°	3653.3	3542.8	3012.3	2500.8	2078.8	1907.5	1916.0	1966.3	1989.9	1989.2	1988.6
30°	3807.1	3621.3	2921.4	2286.9	1864.3	1794.9	1846.6	1908.1	1940.2	1938.9	1939.5
32.5°	3996.1	3707.6	2797.7	2048.1	1709.3	1711.9	1771.4	1832.2	1869.5	1866.2	1866.9
35°	4217.2	3804.4	2630.3	1812.6	1606.6	1645.8	1692.9	1735.4	1770.7	1766.2	1761.6
37.5°	4457.9	3899.3	2407.9	1602.0	1522.8	1584.3	1623.6	1630.8	1647.1	1635.3	1626.8
40°	4686.9	3971.9	2121.4	1429.3	1438.4	1532.0	1557.5	1528.7	1499.3	1495.4	1483.6
42.5°	4886.4	3996.1	1831.6	1291.3	1349.5	1477.0	1492.7	1432.6	1379.6	1354.7	1344.2
45°	5097.0	4004.6	1561.4	1175.5	1263.8	1428.0	1445.0	1364.5	1290.0	1236.3	1218.7
47.5°	5372.4	4066.1	1351.4	1089.8	1198.4	1395.3	1419.5	1310.2	1213.4	1136.9	1120.5
50°	5732.8	4187.8	1180.7	1024.4	1155.9	1373.7	1401.2	1257.2	1150.6	1058.4	1042.0
52.5°	6133.2	4299.6	1042.7	971.4	1114.6	1335.7	1377.6	1219.3	1091.8	985.8	968.1
55°	6413.1	4213.9	931.5	916.4	1061.0	1281.4	1344.9	1187.3	1007.4	915.1	899.4
57.5°	6466.8	3920.9	847.1	859.5	996.2	1213.4	1294.5	1116.0	961.6	884.4	868.0
60°	6320.2	3512.7	784.3	807.2	926.9	1127.7	1200.3	1065.6	917.8	851.7	837.9
62.5°	5952.0	3094.7	737.9	760.1	862.1	1040.7	1141.5	1012.6	873.3	814.4	800.7
65°	5208.2	2598.2	693.4	718.2	802.0	965.5	1088.5	963.5	829.4	784.3	771.2
67.5°	3931.3	1946.1	651.5	673.8	748.3	900.1	1030.9	915.1	786.9	758.1	742.4
70°	2315.0	1218.7	603.8	627.3	692.1	832.1	969.4	862.1	733.9	720.9	700.6
72.5°	1077.4	733.3	549.5	572.4	621.4	741.1	890.3	792.8	671.1	642.4	614.9
75°	*643.0*	*536.4*	*485.4*	*505.6*	*540.3*	*644.3*	*790.8*	*722.2*	*611.6*	*573.7*	*544.9*
77.5°	480.8	410.1	414.7	436.3	464.4	563.9	700.6	666.6	565.8	536.4	516.8
80°	346.0	311.4	338.2	361.7	391.2	512.8	671.1	616.2	511.5	472.3	454.0
82.5°	230.9	223.7	254.5	278.7	307.4	448.7	630.6	539.7	437.0	387.2	346.7
85°	127.6	134.8	171.4	181.8	206.7	315.9	516.8	433.7	329.0	264.9	253.2
87.5°	53.0	62.1	92.2	89.0	109.9	188.4	340.2	261.7	209.3	156.3	121.7
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

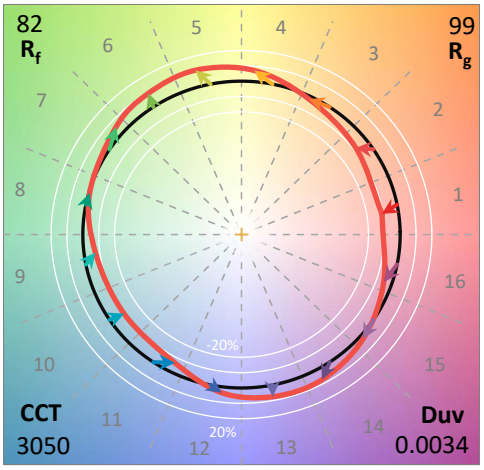
Test Information

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

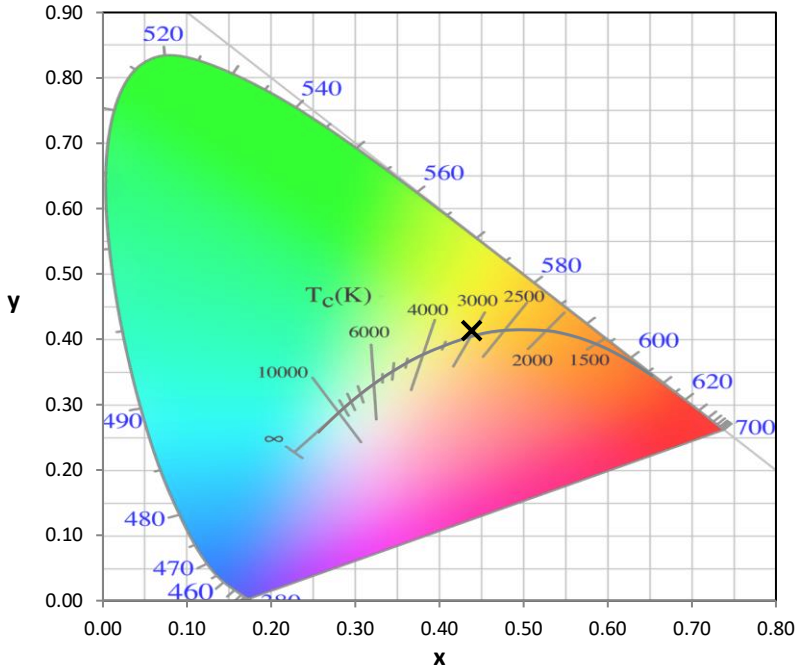
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

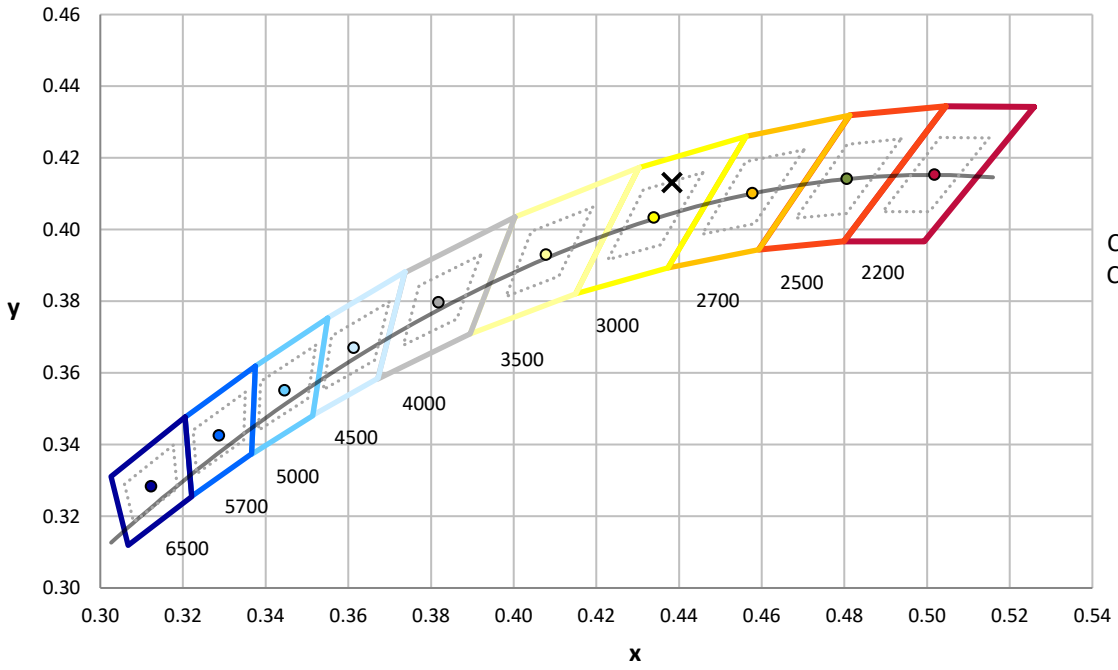
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

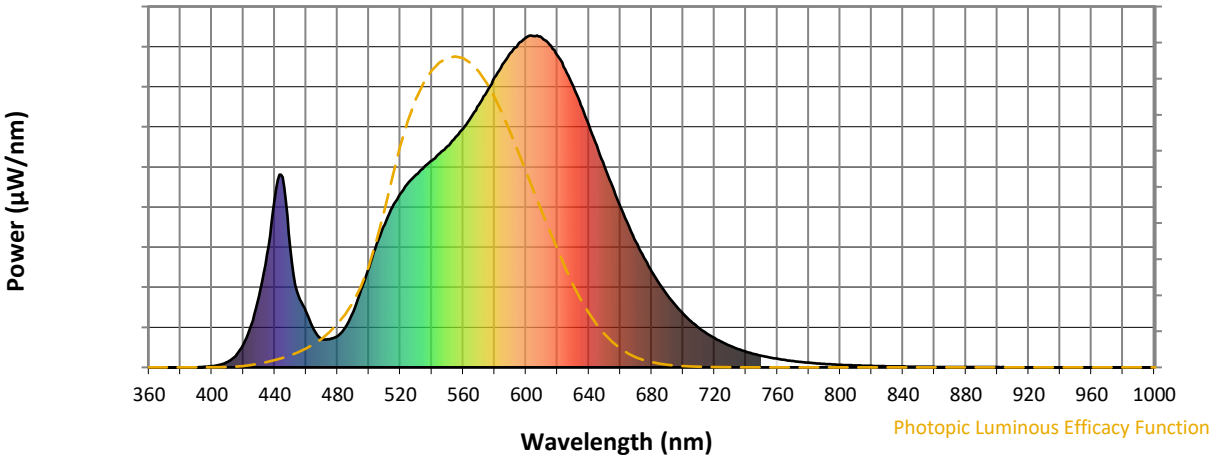


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

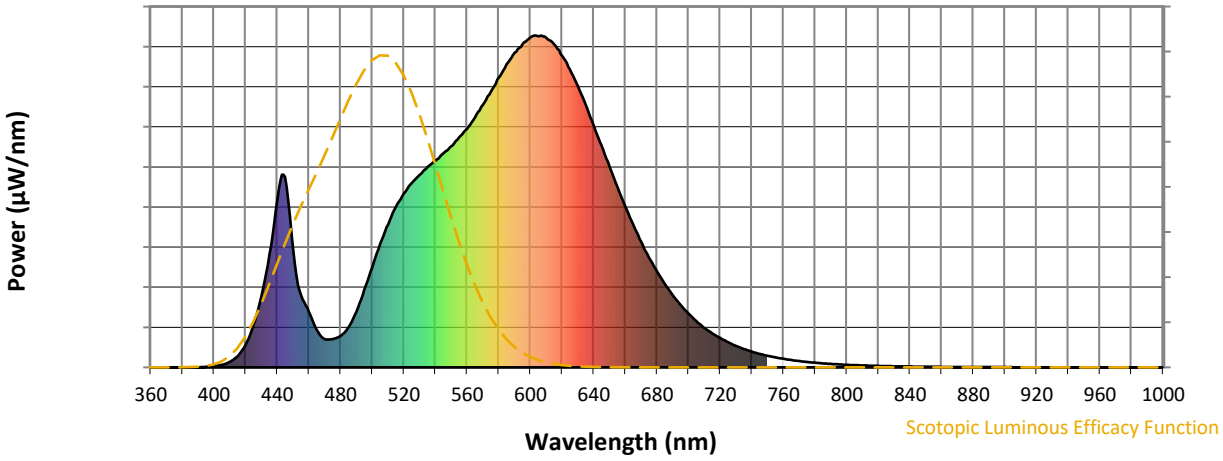


Photopic Lumens: NR

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

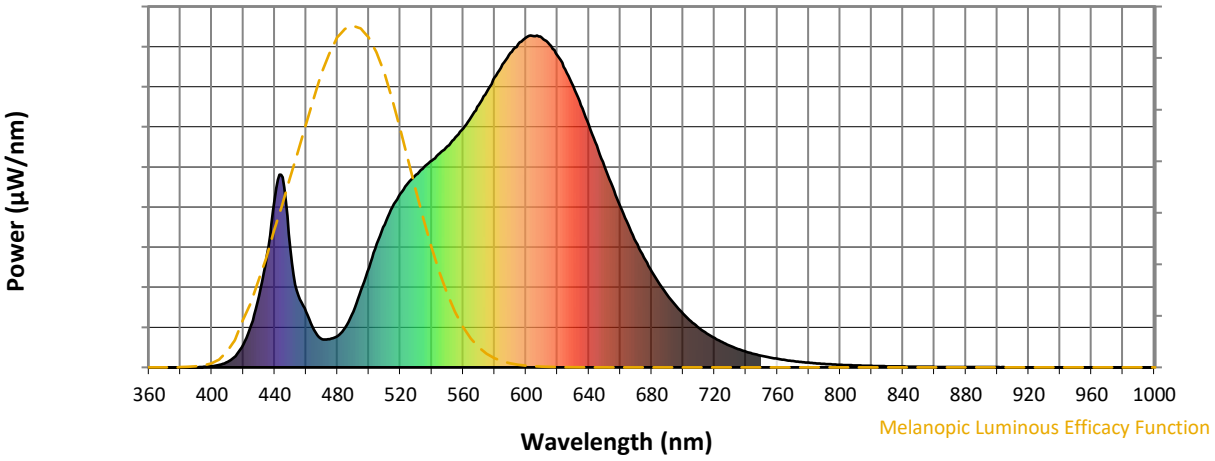


Scotopic Lumens: NR **S/P: 1.27**

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			

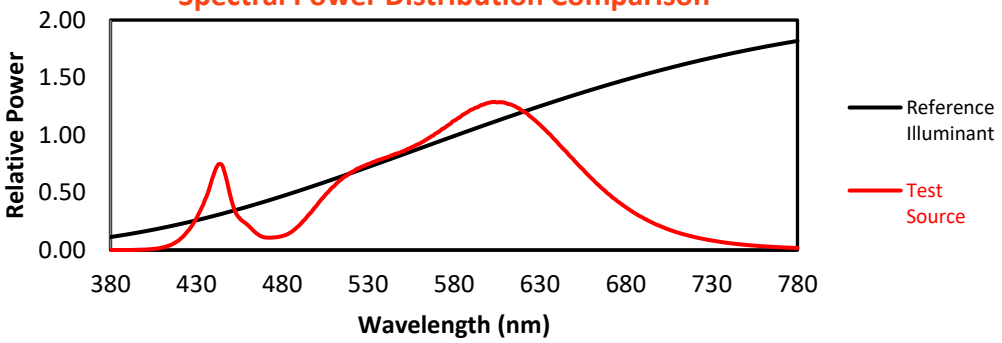
REPORT NUMBER: SP1-2408-195-9

TM-30-18

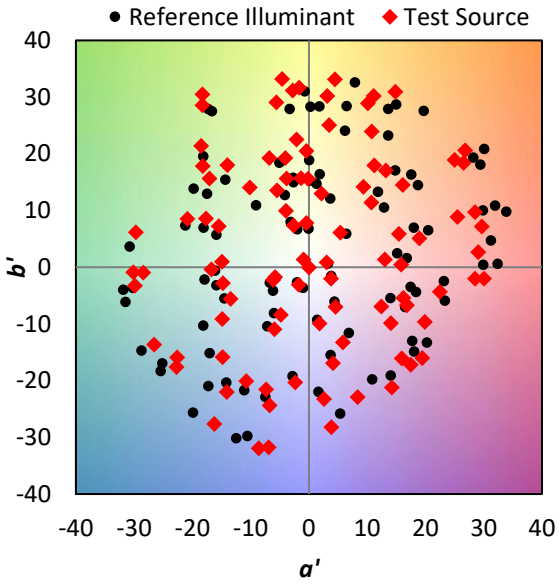
Summary

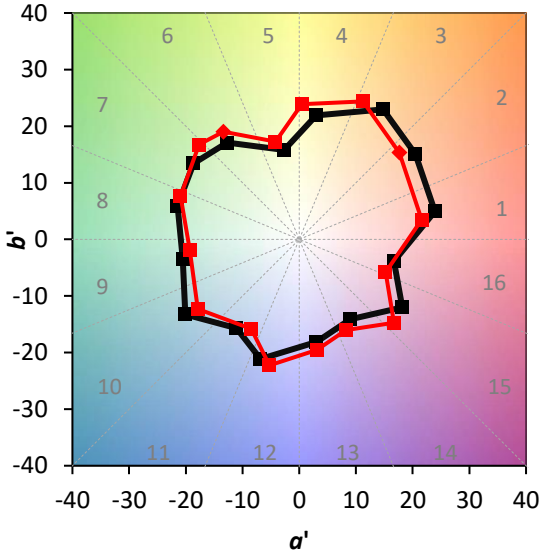
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

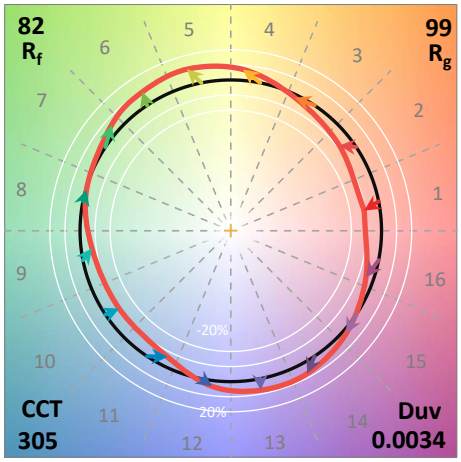
Spectral Power Distribution Comparison

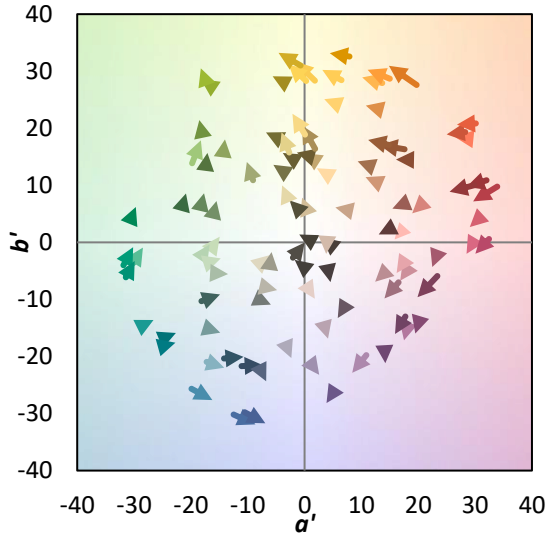


Color Vector Graphics







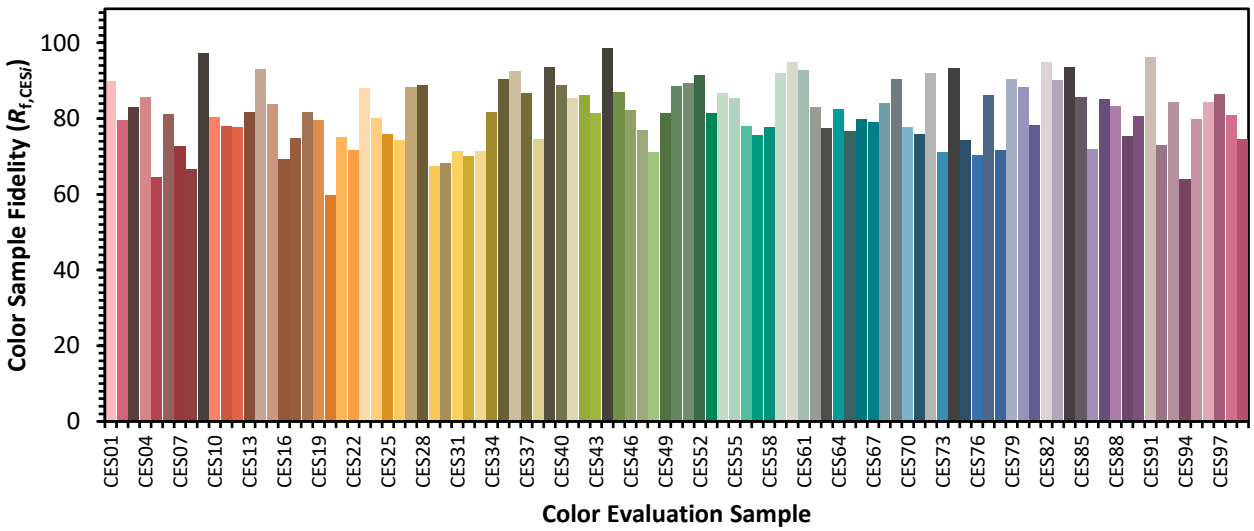


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

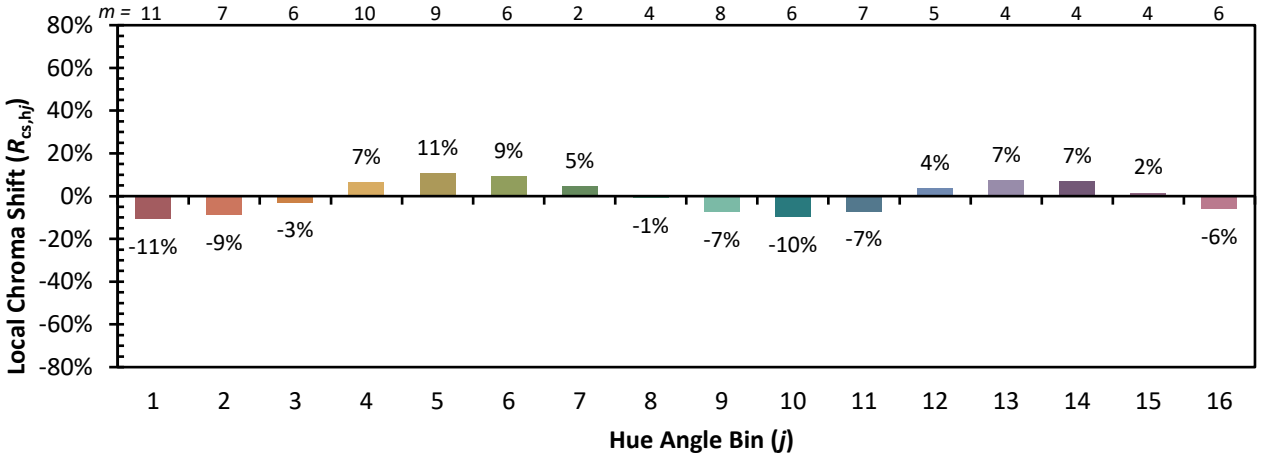
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

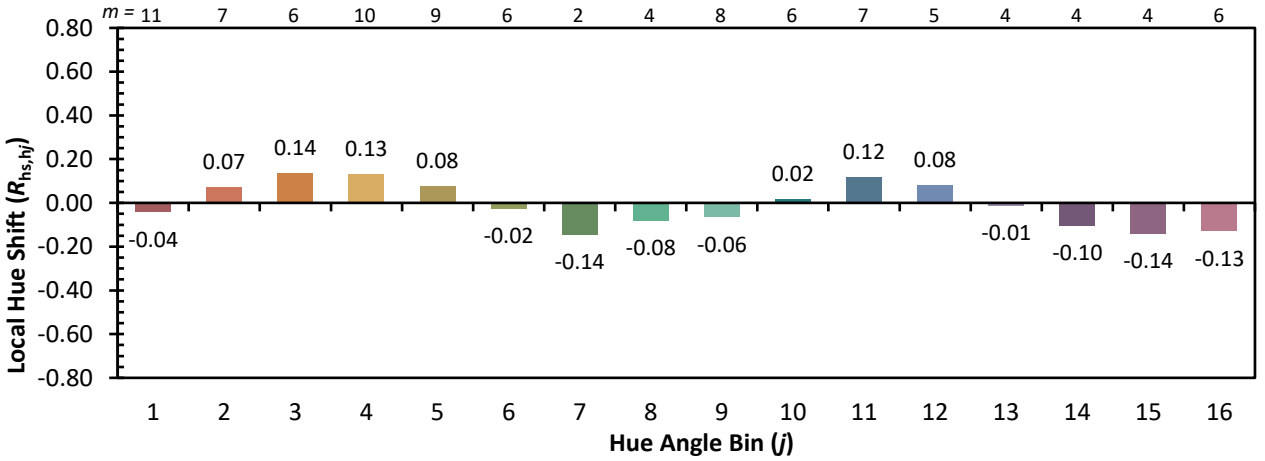


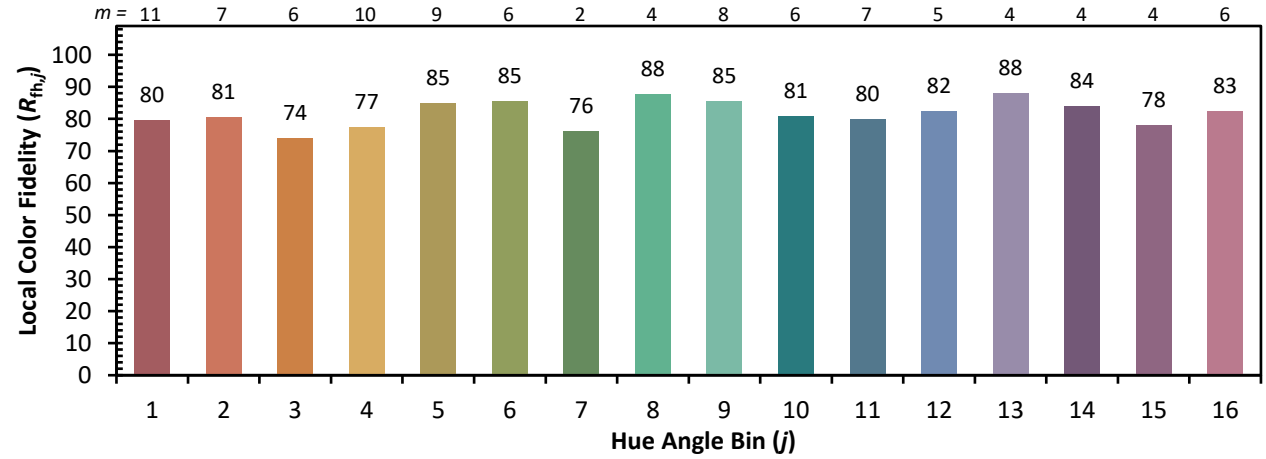
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



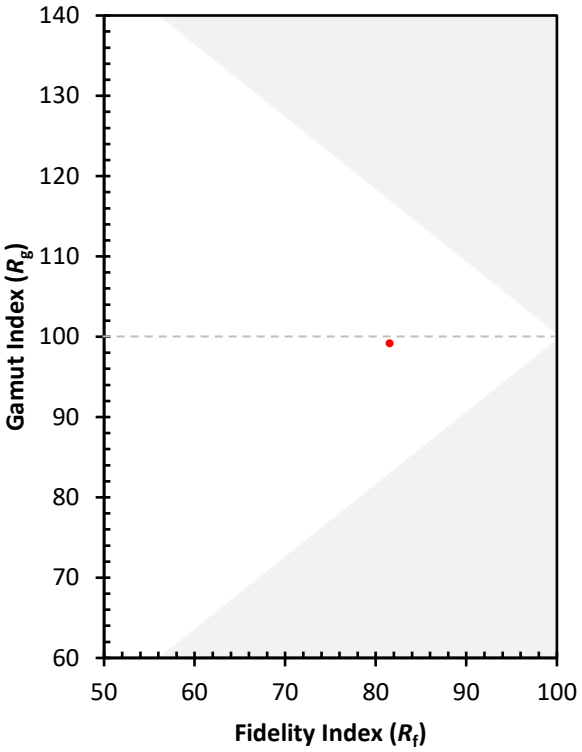


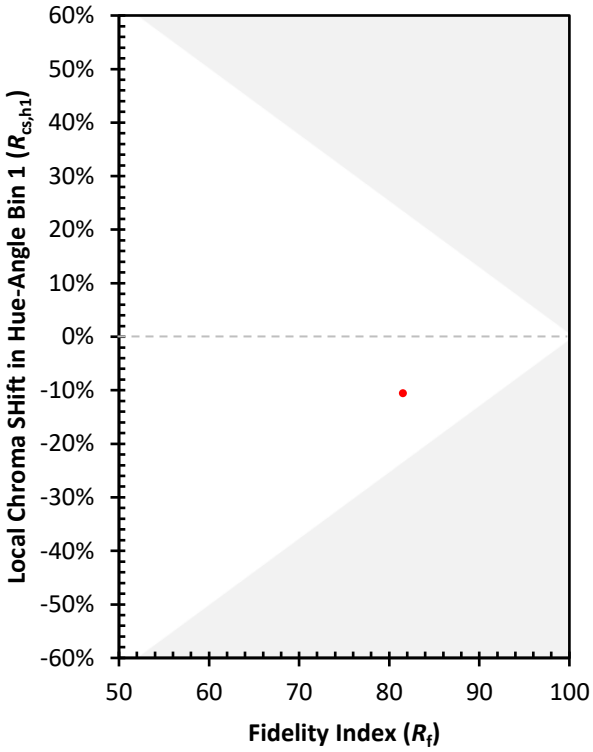


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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