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: P317603

Luminaire Tested: **GLEON-SA9B-830-U-T2R**

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:	P317603
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA9B-830-U-T2R
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	42294 lumens
Efficiency:	N/A
Efficacy:	113.1 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	374
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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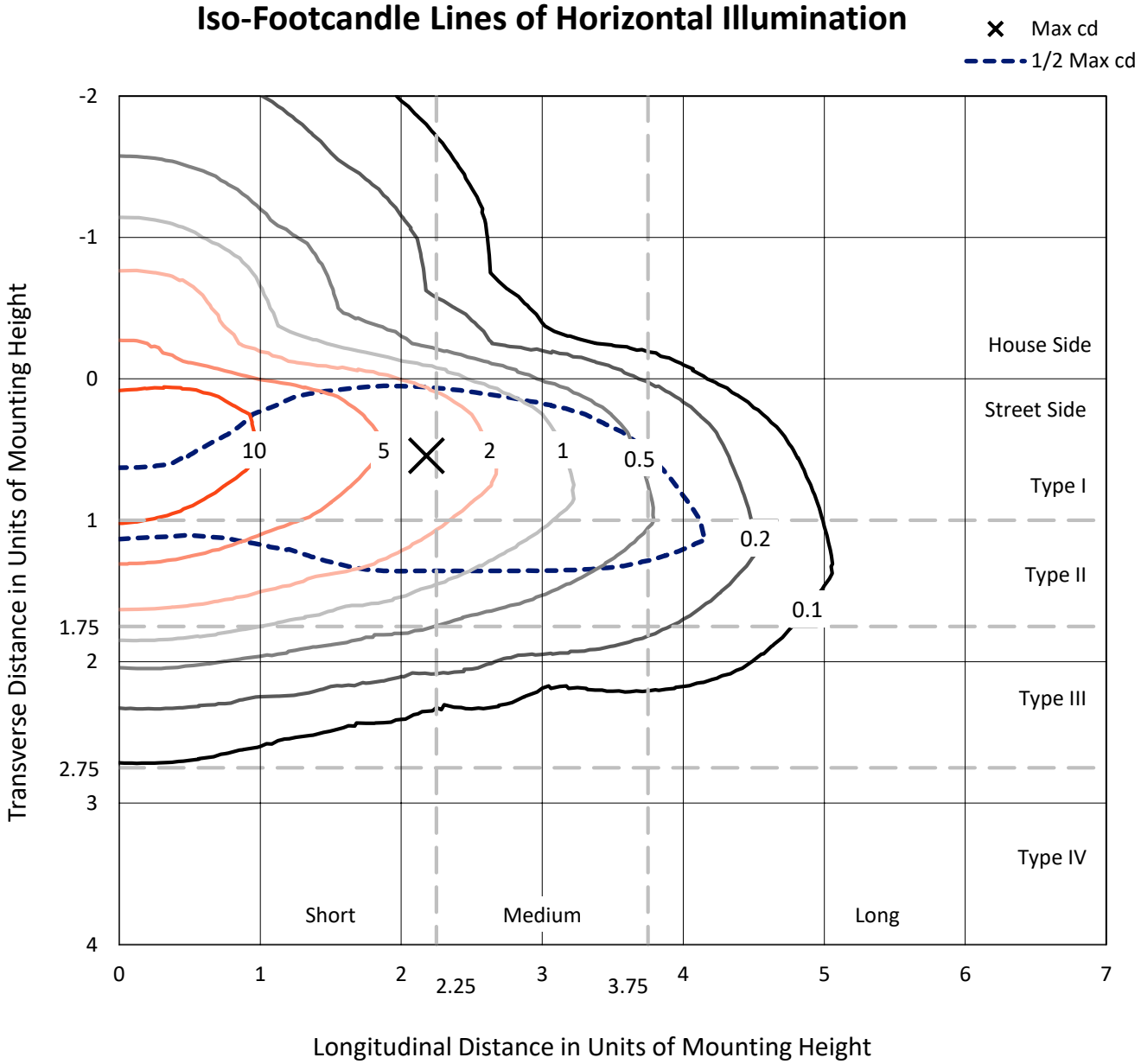
REPORT NUMBER: P317603
CATALOG NUMBER: GLEON-SA9B-830-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc
Type II - Short - N/A

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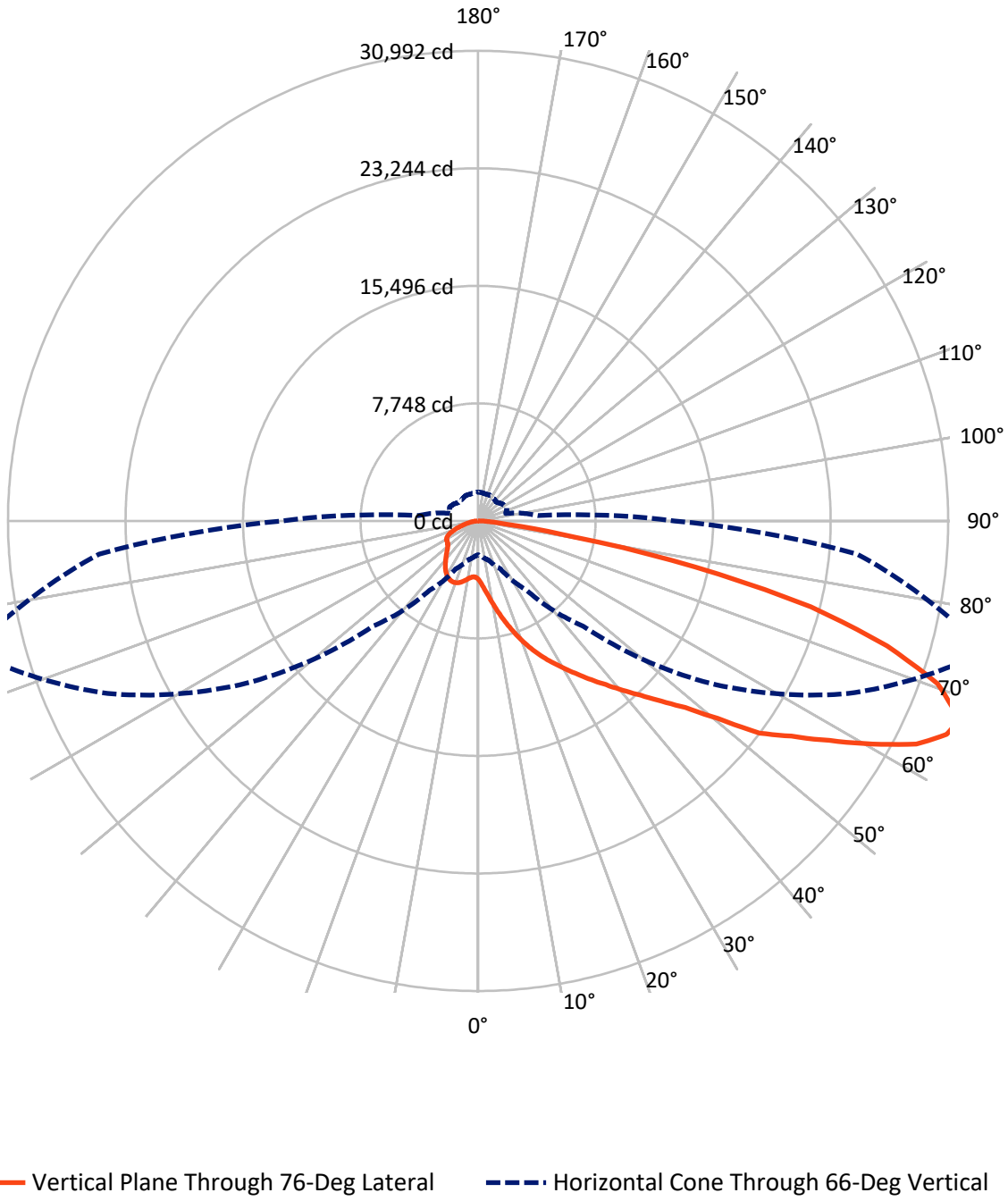
Luminous Intensity Polar Plot



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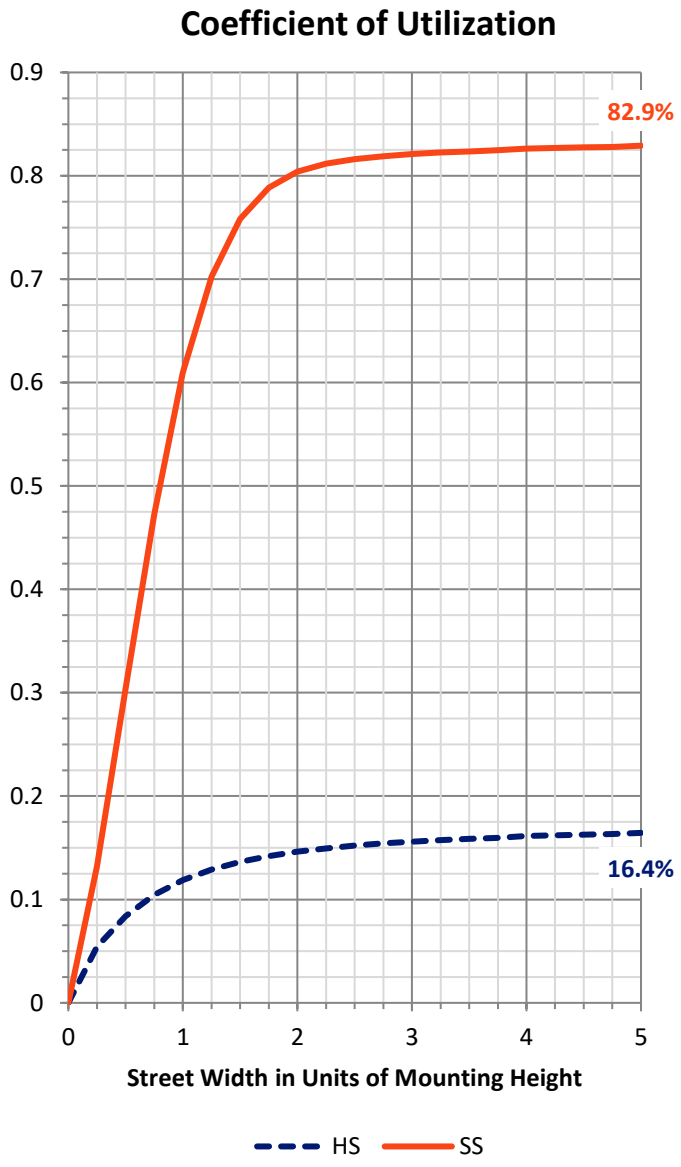
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7116.6	0.0	7116.6
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	35177.4	0.0	35177.4
	% Fixture	83.2	0.0	83.2
Total	Lumens	42294.0	0.0	42294.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.1	1.1
10°-20°	1844.4	4.4
20°-30°	3584.2	8.5
30°-40°	5850.1	13.8
40°-50°	7992.7	18.9
50°-60°	9309.9	22.0
60°-70°	8346.5	19.7
70°-80°	4218.0	10.0
80°-90°	681.1	1.6
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°	42294.0	100.0
0°-180°	42294.0	100.0



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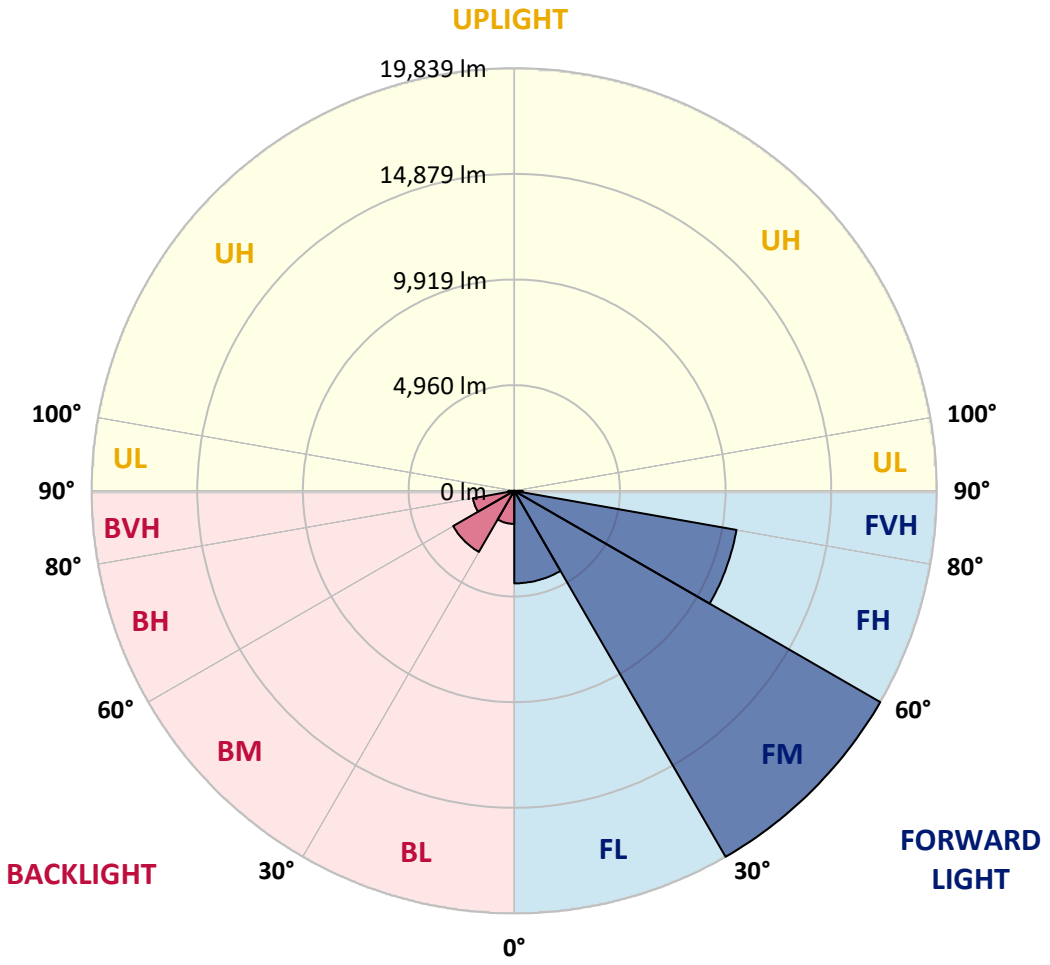
REPORT NUMBER: P317603
CATALOG NUMBER: GLEON-SA9B-830-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4343.5	10.3			
FM	(30°-60°)	19838.8	46.9			
FH	(60°-80°)	10592.8	25.0			G4/12000
FVH	(80°-90°)	402.3	1.0			G3/500
BL	(0°-30°)	1552.2	3.7	B3/2500		
BM	(30°-60°)	3313.9	7.8	B3/5000		
BH	(60°-80°)	1971.6	4.7	B3/2500		G3/2500
BVH	(80°-90°)	278.9	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type II Short



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Scaled Data Report

REPORT NUMBER: P317603
CATALOG NUMBER: GLEON-SA9B-830-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3862.4	3862.4	3862.4	3862.4	3862.4	3862.4	3862.4	3862.4	3862.4	*3862.4*	3862.4
2.5°	5127.4	5049.8	5042.7	4929.2	4903.4	4686.6	4527.2	4360.6	4171.1	*4133.8*	3984.4
5°	6586.2	6579.0	6479.9	6294.7	6149.7	5779.2	5413.1	5025.4	4600.4	*4531.5*	4195.5
7.5°	7898.5	7887.0	7810.9	7611.4	7401.7	6946.6	6423.9	5829.5	5140.3	*5038.3*	4481.2
10°	8895.0	8890.7	8864.8	8718.4	8540.3	8103.9	7526.6	6715.4	5767.7	*5628.5*	4838.8
12.5°	9664.6	9673.2	9690.5	9638.8	9554.0	9182.2	8590.6	7654.4	6436.8	*6299.0*	5236.5
15°	10185.8	10211.7	10300.7	10373.9	10418.4	10190.1	9617.2	8615.0	7186.4	*7021.2*	5677.3
17.5°	10448.6	10477.3	10630.9	10852.0	11055.9	11033.0	10577.8	9531.1	7905.7	*7746.3*	6151.1
20°	10675.4	10697.0	10869.3	11134.9	11495.3	11654.7	11399.1	10412.7	8694.0	*8504.5*	6653.7
22.5°	11333.0	11360.3	11412.0	11562.8	11881.5	12174.4	12051.0	11246.9	9416.2	*9239.6*	7130.4
25°	12602.3	12635.3	12523.4	12395.6	12455.9	12659.8	12682.7	12007.9	10148.5	*9948.9*	7642.9
27.5°	14131.5	14178.9	13987.9	13659.1	13371.9	13293.0	13265.7	12631.0	10847.7	*10616.6*	8149.8
30°	15629.1	15710.9	15462.5	15036.1	14509.1	14138.7	13864.4	13241.3	11536.9	*11315.8*	8627.9
32.5°	17092.2	17059.2	16698.8	16282.4	15665.0	15201.2	14537.8	13896.0	12312.3	*12058.1*	9103.2
35°	18094.4	18105.9	17771.3	17277.4	16688.7	16332.6	15439.5	14602.4	13103.4	*12869.4*	9643.1
37.5°	18947.3	18894.2	18515.1	18054.2	17547.3	17395.1	16494.9	15380.7	13960.6	*13705.0*	10217.4
40°	19231.6	19169.8	18921.4	18589.8	18183.4	18170.5	17659.3	16262.3	14929.8	*14677.1*	10865.0
42.5°	19059.3	18980.3	18878.4	18787.9	18663.0	18720.4	18753.4	17296.1	15995.2	*15712.3*	11614.5
45°	18423.2	18304.0	18375.8	18572.5	18843.9	19168.4	19741.3	18440.4	17188.4	*16951.5*	12494.6
47.5°	17445.4	17337.7	17561.7	17982.4	18720.4	19541.7	20676.0	19704.0	18612.7	*18377.3*	13748.1
50°	16069.9	16101.5	16421.6	17186.9	18302.6	19714.0	21827.6	21376.7	20683.2	*20463.5*	15458.2
52.5°	13812.7	13818.5	14720.2	15976.5	17561.7	19625.0	22466.5	23514.7	23510.4	*23244.7*	17086.4
55°	11716.4	11844.2	12557.8	14227.7	16361.3	19268.9	22913.1	24554.2	25366.9	*25055.3*	18604.1
57.5°	9668.9	9743.6	10419.9	12096.9	14648.4	18319.8	23371.1	25802.0	27506.3	*27309.6*	20490.8
60°	7340.0	7454.9	8154.1	9703.4	12457.3	16635.6	23414.2	27104.3	30063.5	*29865.4*	22597.2
62.5°	4764.1	4962.2	5617.0	7068.6	9806.8	14213.3	22414.8	27955.7	32487.2	*32416.8*	24466.6
65°	2738.1	2887.5	3342.6	4462.6	6765.7	11172.2	20038.5	27628.3	33979.0	*33938.8*	25165.9
66°	*2237.0*	*2330.4*	*2679.3*	*3487.6*	*5582.5*	*9811.1*	*18657.2*	*26937.7*	*34126.9*	*34128.4*	*25085.5*
67.5°	1789.1	1830.7	1987.2	2496.9	4119.4	7776.5	16189.0	25414.3	33943.1	*33993.4*	24567.1
70°	1480.3	1501.9	1550.7	1674.2	2248.5	4689.4	11491.0	21455.7	32098.1	*32136.9*	22544.0
72.5°	1328.1	1341.1	1359.7	1377.0	1586.6	2620.4	7018.4	17164.0	28142.4	*28192.6*	19461.3
75°	1203.2	1210.4	1207.5	1209.0	1331.0	1669.9	3626.9	12814.8	22755.1	*22654.6*	14908.3
77.5°	1056.8	1064.0	1049.6	1052.5	1177.4	1283.6	1804.8	8971.1	15356.3	*14647.0*	8399.6
80°	893.1	898.8	893.1	903.1	1025.2	969.2	1049.6	5047.0	6790.1	*6422.5*	2986.5
82.5°	674.8	699.3	716.5	756.7	844.3	689.2	702.1	1965.7	2067.6	*1968.5*	916.1
85°	295.8	360.4	539.9	578.6	634.6	413.5	460.9	801.2	841.4	*815.6*	333.1
87.5°	77.5	84.7	267.1	336.0	351.8	186.7	239.8	364.7	384.8	*364.7*	110.6
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: P317603
CATALOG NUMBER: GLEON-SA9B-830-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3862.4	3862.4	3862.4	3862.4	3862.4	3862.4	3862.4	3862.4	3862.4	3862.4	3862.4
2.5°	3905.5	3835.1	3708.8	3596.8	3512.1	3454.6	3397.2	3368.5	3351.2	3334.0	3336.9
5°	4030.4	3888.2	3671.4	3517.8	3431.6	3377.1	3348.4	3336.9	3329.7	3312.5	3312.5
7.5°	4218.5	4017.5	3718.8	3560.9	3493.4	3451.7	3434.5	3428.8	3420.2	3400.1	3402.9
10°	4455.4	4174.0	3817.9	3664.3	3602.5	3556.6	3532.2	3523.5	3507.7	3484.8	3487.6
12.5°	4733.9	4367.8	3948.5	3787.7	3713.1	3651.3	3611.1	3586.7	3559.4	3529.3	3530.7
15°	5038.3	4578.9	4089.3	3898.3	3796.3	3710.2	3645.6	3603.9	3560.9	3523.5	3522.1
17.5°	5347.0	4782.8	4196.9	3958.6	3820.8	3707.3	3619.7	3555.1	3502.0	3456.1	3451.7
20°	5680.2	4966.6	4257.3	3952.9	3774.8	3639.8	3523.5	3443.1	3384.3	3338.3	3331.1
22.5°	6019.0	5138.9	4267.3	3894.0	3672.9	3507.7	3385.7	3296.7	3236.4	3189.0	3171.8
25°	6329.2	5272.4	4225.7	3780.6	3530.7	3352.7	3233.5	3143.0	3094.2	3038.2	3021.0
27.5°	6612.0	5365.7	4142.4	3635.5	3371.3	3196.2	3084.2	3006.6	2953.5	2910.4	2896.1
30°	6866.2	5416.0	4006.0	3463.2	3207.7	3048.3	2953.5	2900.4	2854.4	2799.9	2789.8
32.5°	7107.4	5416.0	3830.8	3275.1	3045.4	2917.6	2861.6	2828.6	2776.9	2723.8	2709.4
35°	7348.6	5382.9	3624.0	3078.4	2896.1	2824.3	2821.4	2782.6	2703.7	2631.9	2613.2
37.5°	7602.7	5315.5	3391.4	2894.6	2774.0	2782.6	2807.1	2720.9	2608.9	2507.0	2479.7
40°	7889.9	5222.1	3150.2	2735.3	2672.1	2764.0	2768.3	2631.9	2413.6	2320.3	2295.9
42.5°	8227.3	5128.8	2926.2	2594.6	2591.7	2708.0	2695.1	2439.5	2308.8	2261.4	2248.5
45°	8671.0	5075.7	2713.7	2461.0	2528.5	2617.5	2570.1	2333.2	2278.7	2251.4	2239.9
47.5°	9370.3	5103.0	2518.5	2354.8	2465.3	2527.1	2337.5	2290.2	2251.4	2218.4	2206.9
50°	10246.1	5087.2	2360.5	2281.5	2393.5	2432.3	2232.7	2234.2	2214.1	2176.7	2159.5
52.5°	10905.2	4963.7	2258.6	2239.9	2330.4	2264.3	2166.7	2179.6	2169.5	2115.0	2096.3
55°	11541.2	4857.4	2206.9	2224.1	2284.4	2054.7	2089.1	2120.7	2110.7	2057.6	2048.9
57.5°	12332.4	4837.3	2175.3	2228.4	2245.6	1949.9	2014.5	2056.1	2048.9	2026.0	2021.7
60°	13301.6	4843.1	2146.6	2235.6	2202.6	1872.3	1944.1	1997.2	2001.6	1997.2	1994.4
62.5°	13834.3	4686.6	2074.8	2215.5	2126.5	1804.8	1870.9	1948.4	1949.9	1958.5	1957.0
65°	13382.0	4218.5	1941.2	2145.1	1998.7	1748.8	1807.7	1892.4	1870.9	1909.7	1909.7
66°	*12942.6*	*3948.5*	*1875.2*	*2099.2*	*1944.1*	*1727.3*	*1787.6*	*1863.7*	*1836.4*	*1889.6*	*1889.6*
67.5°	12045.2	3493.4	1756.0	2001.6	1866.6	1697.2	1764.6	1816.3	1779.0	1858.0	1852.2
70°	10405.5	2702.2	1516.2	1780.4	1738.8	1652.6	1733.1	1721.6	1667.0	1787.6	1764.6
72.5°	8773.0	2053.2	1217.6	1490.4	1545.0	1596.6	1688.5	1601.0	1532.0	1616.8	1566.5
75°	6807.3	1543.5	962.0	1158.7	1305.2	1509.1	1635.4	1461.7	1362.6	1354.0	1326.7
77.5°	3680.0	1059.6	762.4	884.5	1036.7	1399.9	1599.5	1312.4	1163.0	1128.6	1107.0
80°	1457.4	689.2	554.2	670.5	725.1	1242.0	1513.4	1138.6	959.1	924.7	891.7
82.5°	601.6	407.8	357.5	449.4	472.4	1062.5	1358.3	933.3	740.9	1025.2	1088.4
85°	258.5	224.0	212.5	232.6	267.1	745.2	1081.2	712.2	799.8	713.6	567.2
87.5°	77.5	94.8	90.5	89.0	97.6	178.0	575.8	396.3	587.3	222.6	166.6
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

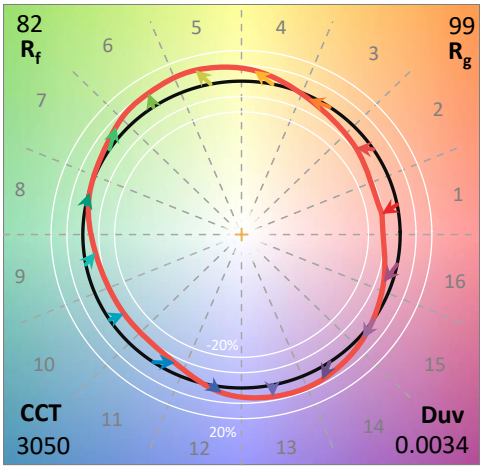
Test Information

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

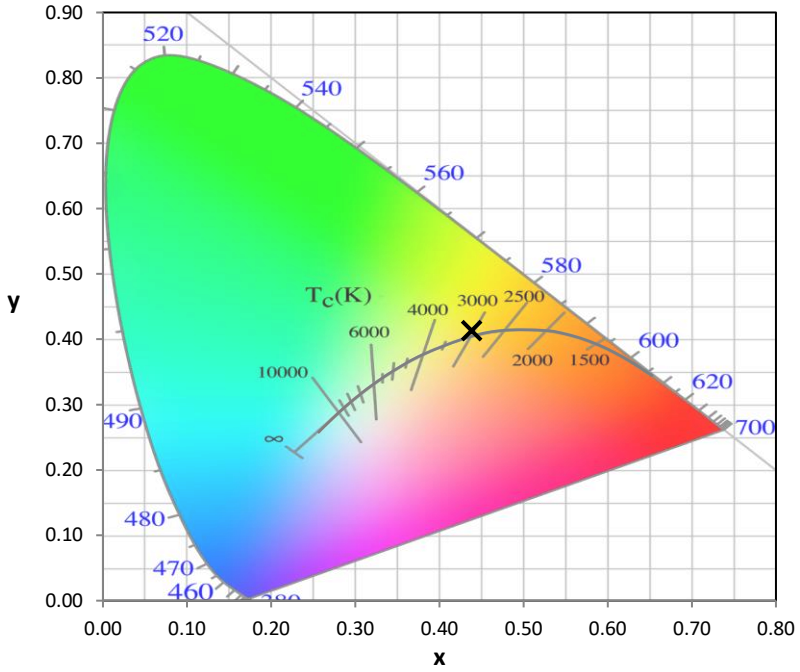
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

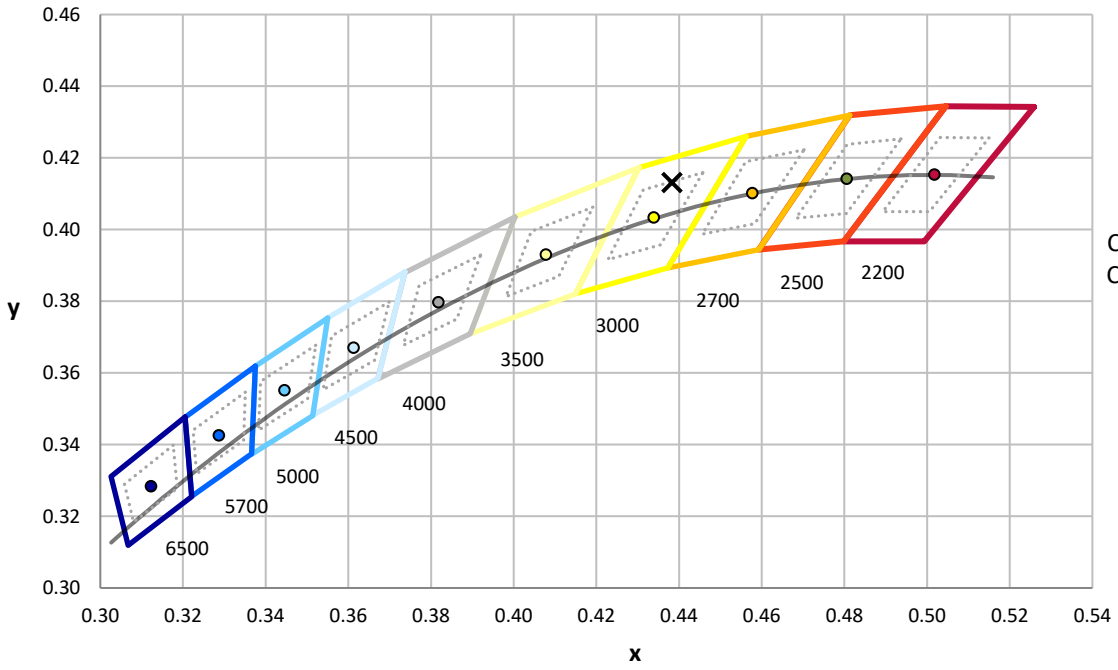
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

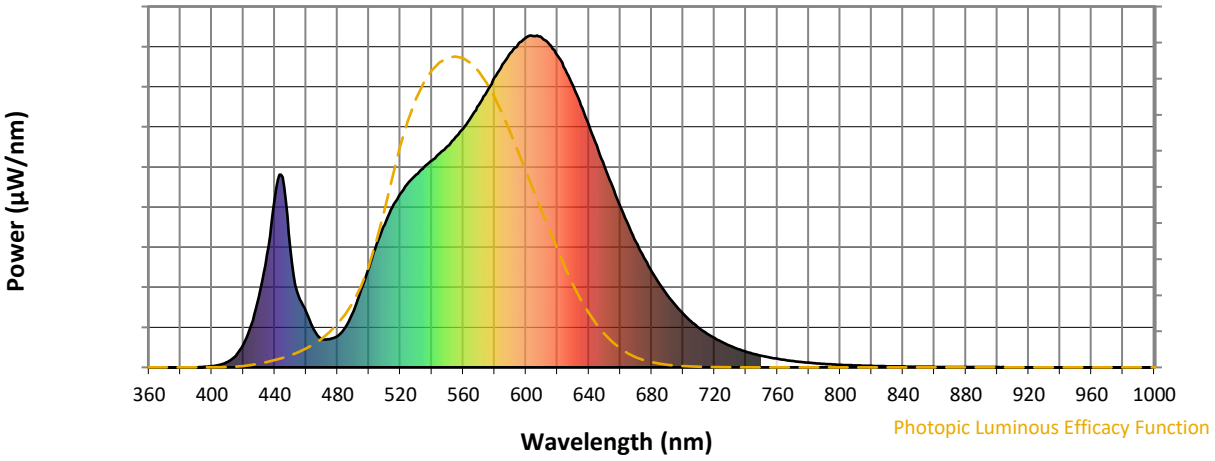


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

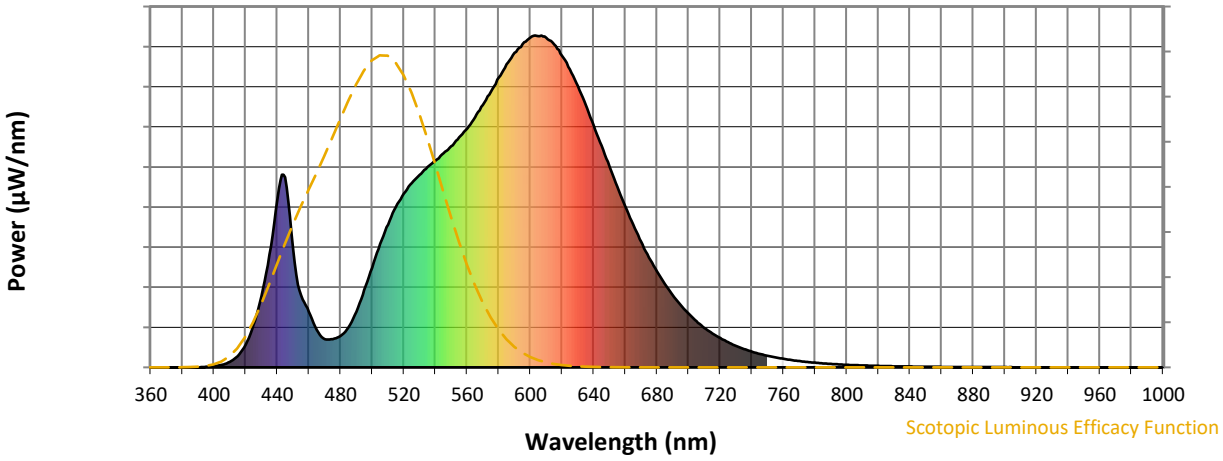


Photopic Lumens: NR

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

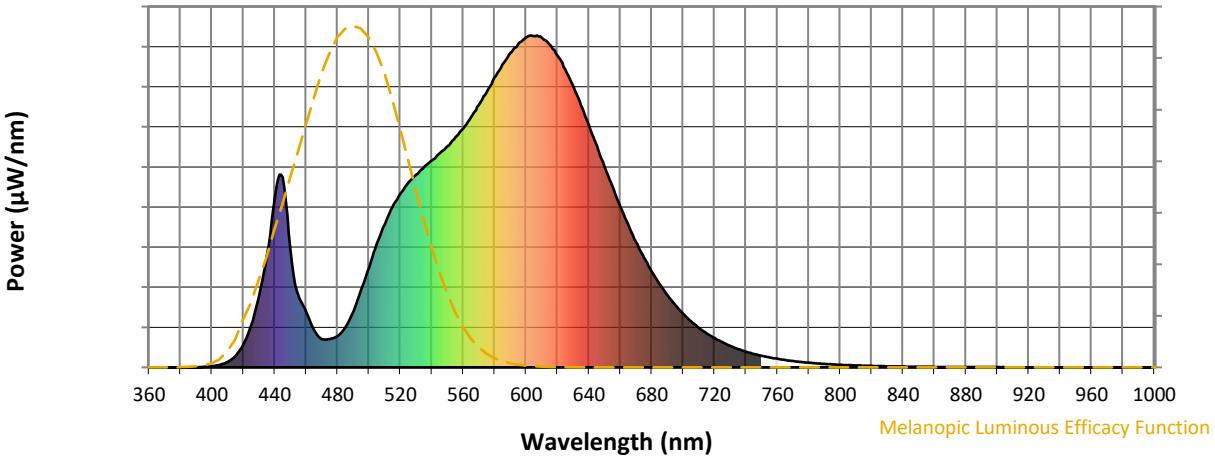


Scotopic Lumens: NR **S/P: 1.27**

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			

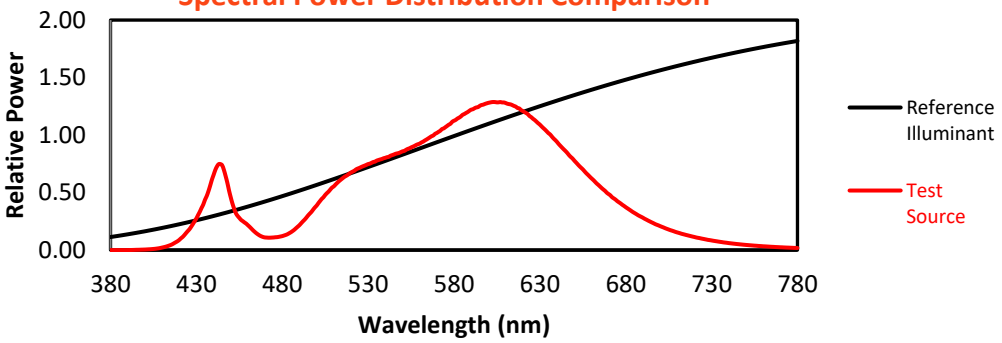
REPORT NUMBER: SP1-2408-195-9

TM-30-18

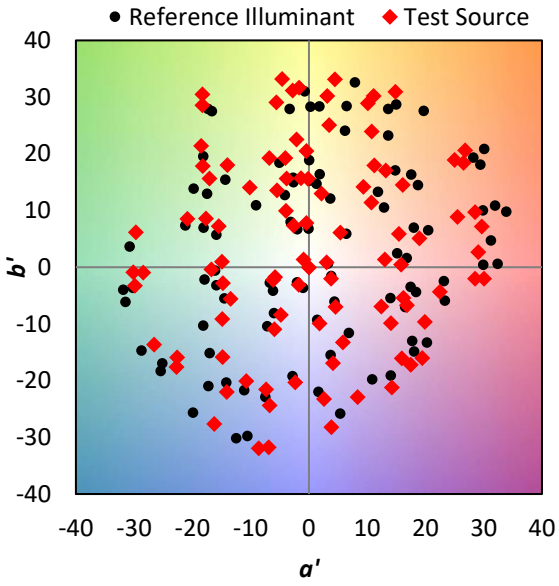
Summary

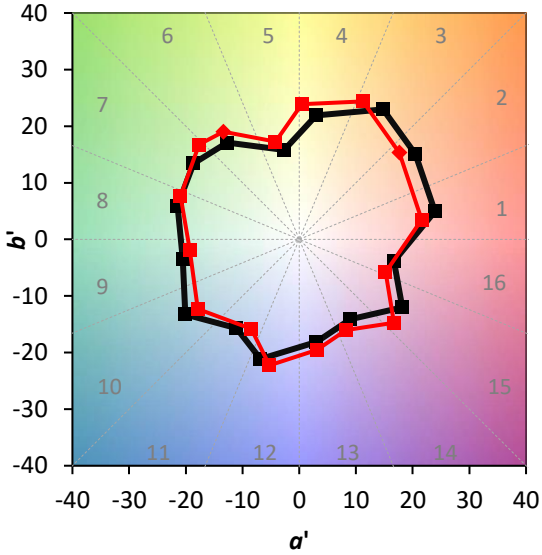
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

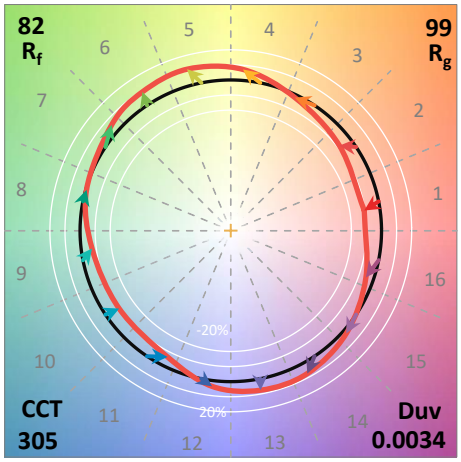
Spectral Power Distribution Comparison

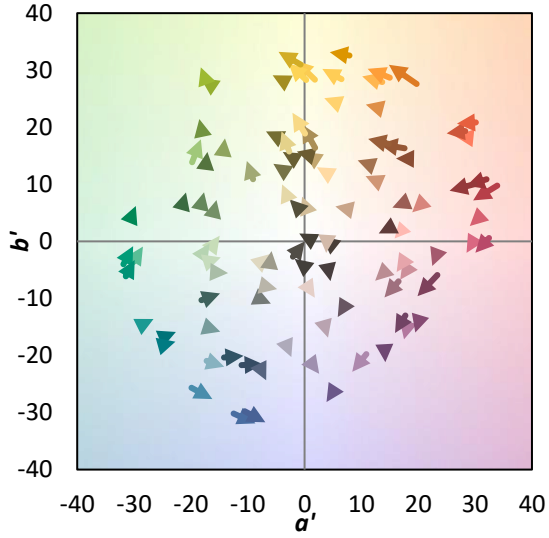


Color Vector Graphics







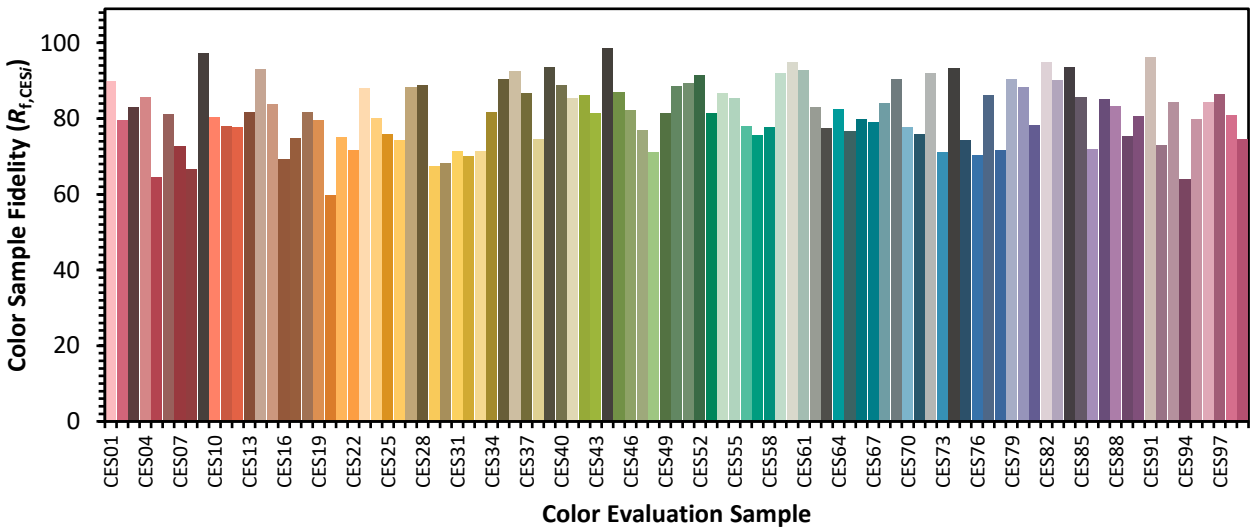


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

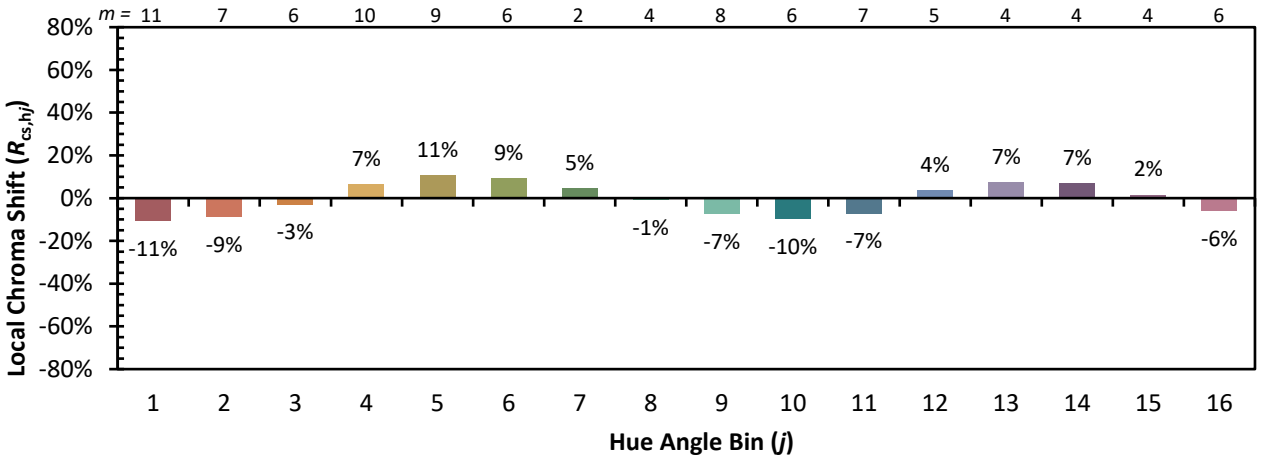
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

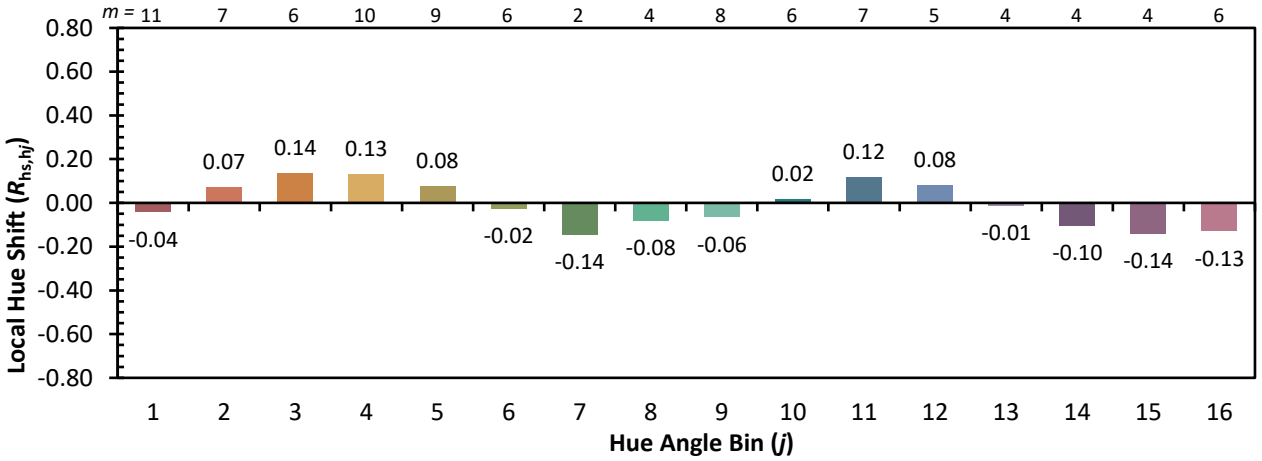


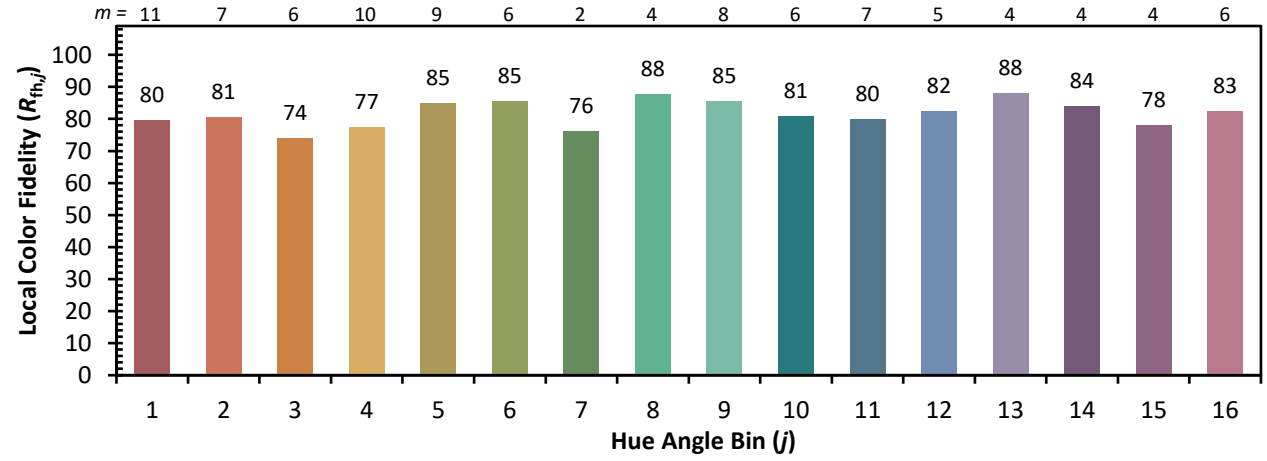
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



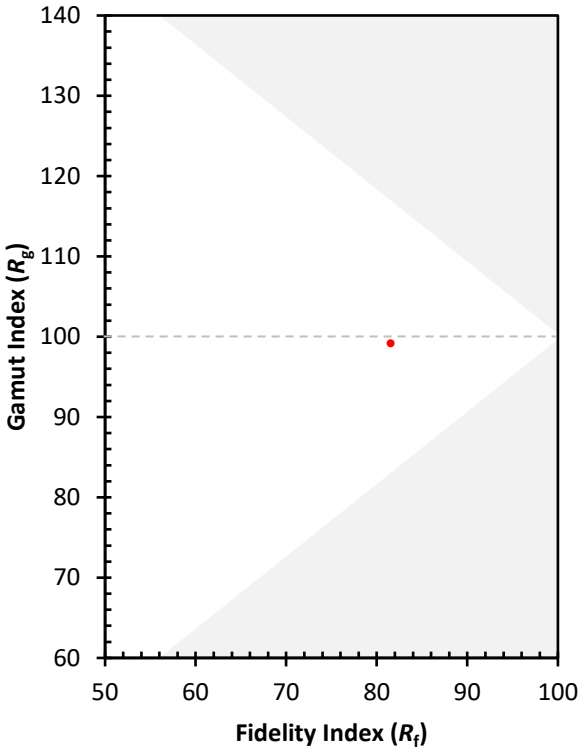


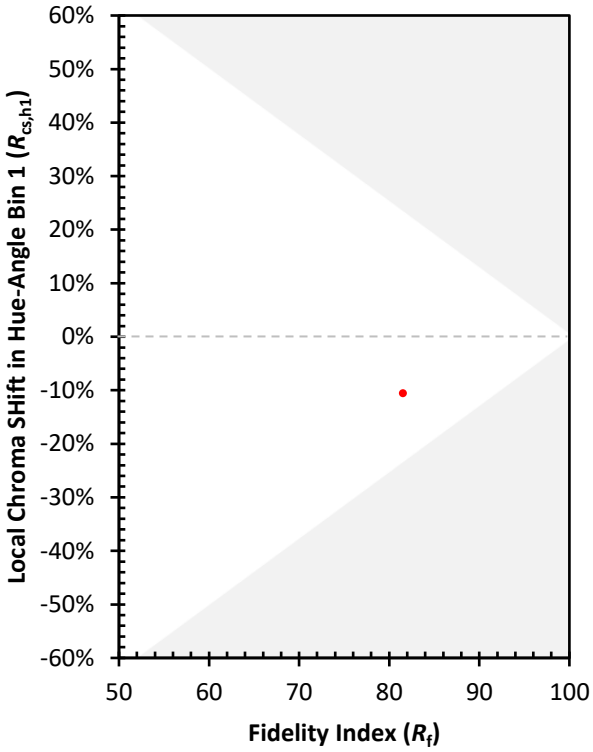


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)