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: P321767

Luminaire Tested: **GLEON-SA3C-830-U-T3R-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:	P321767
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA3C-830-U-T3R-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13197 lumens
Efficiency:	N/A
Efficacy:	79.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G3

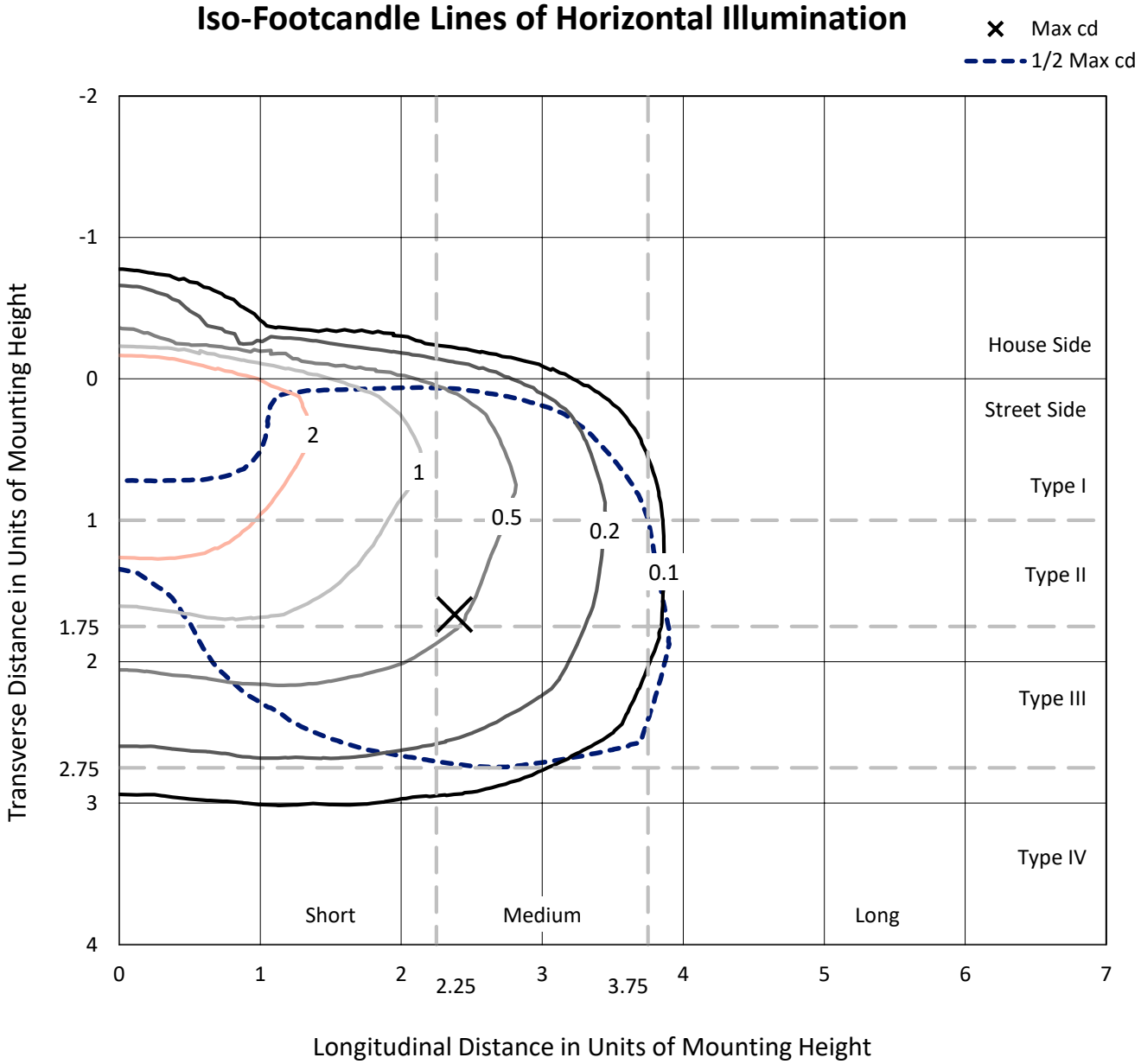
Input Watts (W):	166
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P321767
CATALOG NUMBER: GLEON-SA3C-830-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination



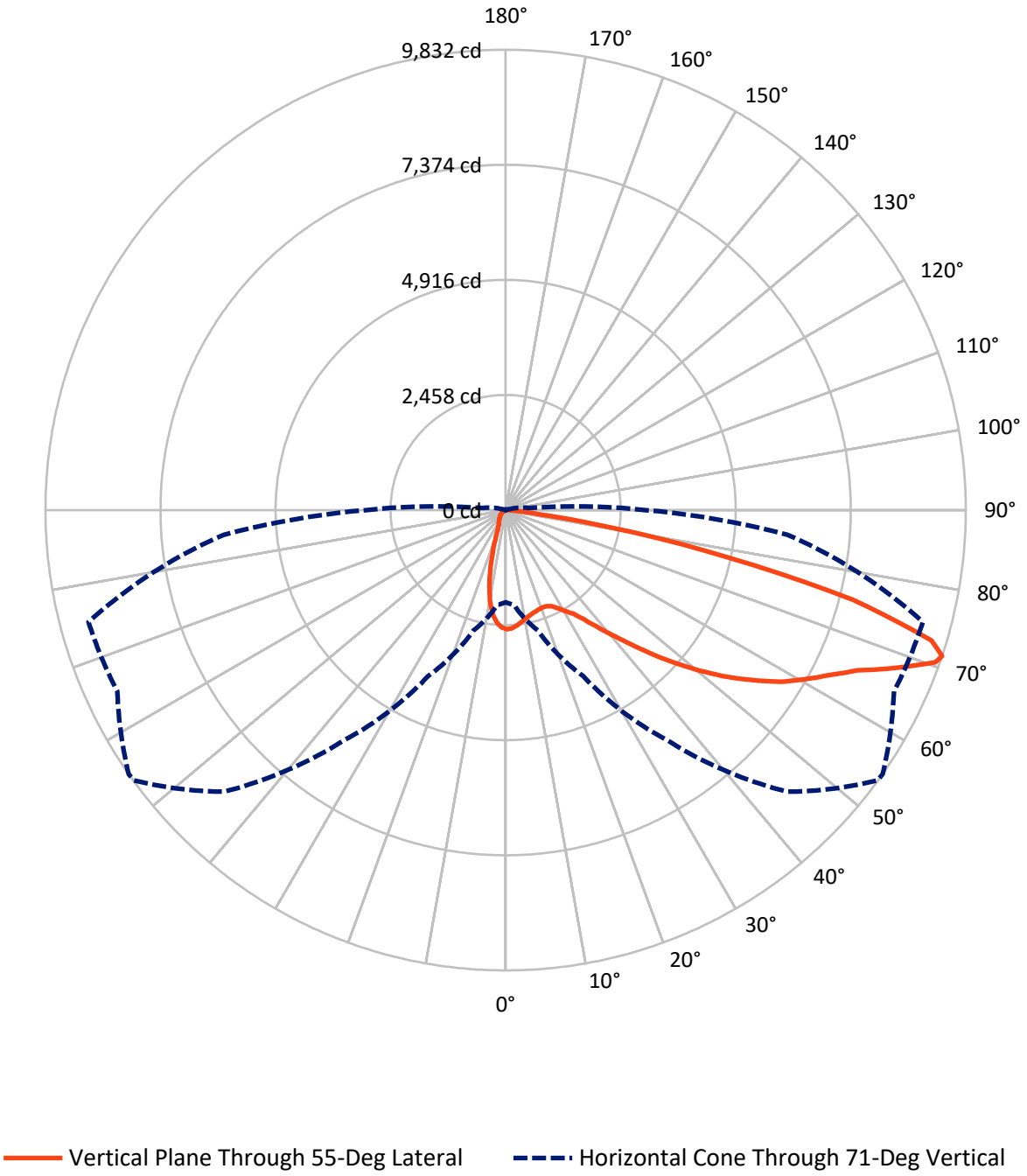
Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P321767
CATALOG NUMBER: GLEON-SA3C-830-U-T3R-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

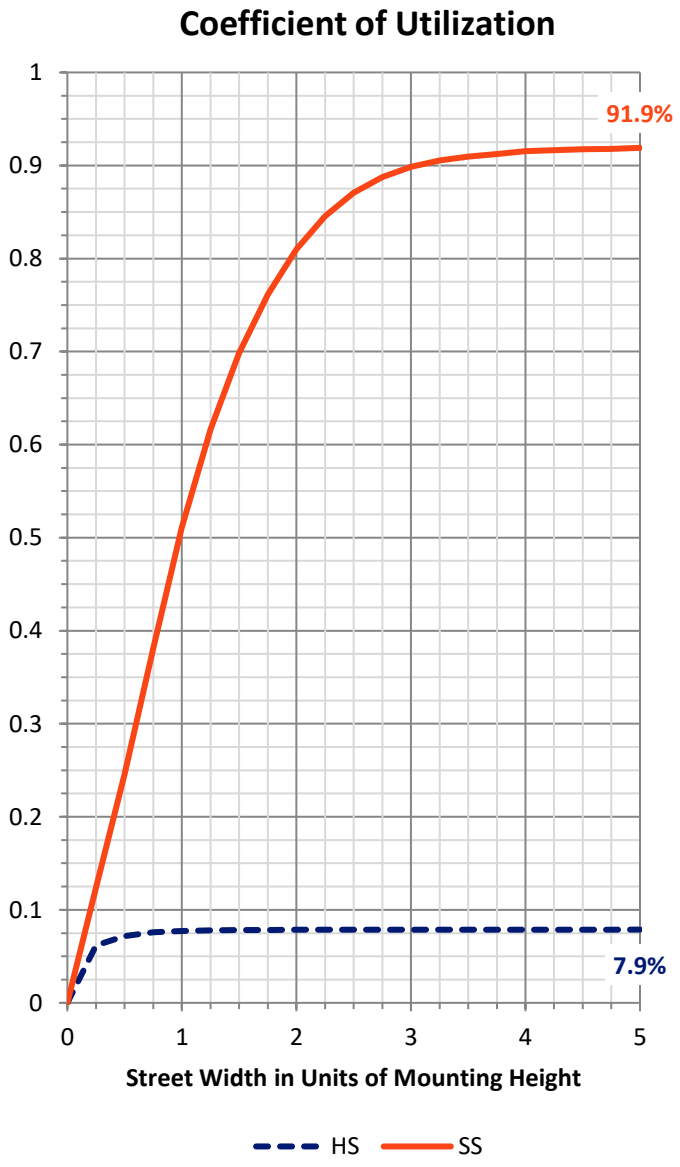
REPORT NUMBER: P321767
CATALOG NUMBER: GLEON-SA3C-830-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1044.8	0.0	1044.8
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	12152.2	0.0	12152.2
	% Fixture	92.1	0.0	92.1
Total	Lumens	13197.0	0.0	13197.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.0	1.6
10°-20°	489.9	3.7
20°-30°	787.3	6.0
30°-40°	1337.6	10.1
40°-50°	2076.2	15.7
50°-60°	2791.4	21.2
60°-70°	3414.8	25.9
70°-80°	1996.5	15.1
80°-90°	86.3	0.7
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°	13197.0	100.0
0°-180°	13197.0	100.0



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

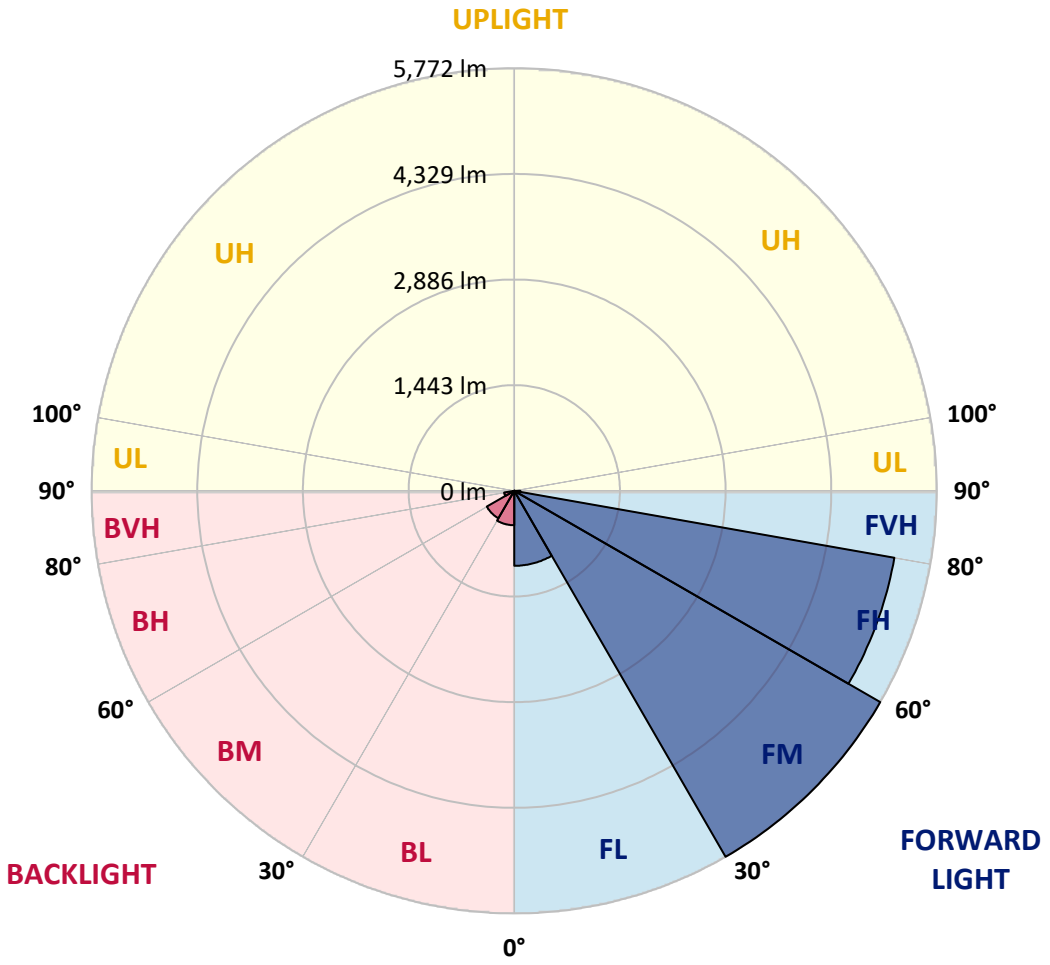
Scaled Data Report

REPORT NUMBER: P321767
CATALOG NUMBER: GLEON-SA3C-830-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1023.9	7.8			
FM	(30°-60°)	5772.0	43.7			
FH	(60°-80°)	5271.3	39.9			G3/7500
FVH	(80°-90°)	84.9	0.6			G1/100
BL	(0°-30°)	470.3	3.6	B1/500		
BM	(30°-60°)	433.2	3.3	B1/1000		
BH	(60°-80°)	140.0	1.1	B1/500		G1/500
BVH	(80°-90°)	1.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type III Medium



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

Scaled Data Report

REPORT NUMBER: P321767
CATALOG NUMBER: GLEON-SA3C-830-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2545.1	2545.1	2545.1	2545.1	2545.1	2545.1	2545.1	2545.1	2545.1	2545.1	2545.1
2.5°	2470.4	2473.4	2484.1	2488.8	2500.1	2519.0	2528.5	2529.1	2544.5	2550.4	2555.2
5°	2295.6	2313.4	2331.2	2350.1	2384.5	2430.1	2475.2	2479.3	2529.1	2565.8	2585.4
7.5°	2145.1	2161.1	2182.4	2212.7	2261.2	2332.9	2408.2	2417.1	2511.3	2594.9	2638.7
10°	1990.4	2003.5	2034.3	2078.7	2145.7	2241.7	2343.0	2357.8	2495.3	2634.0	2711.0
12.5°	1825.1	1832.8	1870.2	1934.1	2032.5	2154.6	2287.9	2307.5	2485.2	2679.0	2796.3
15°	1699.5	1703.0	1738.6	1805.0	1917.6	2076.4	2245.2	2269.0	2487.6	2732.9	2889.4
17.5°	1667.5	1669.3	1688.2	1733.9	1833.4	2006.4	2211.5	2240.5	2494.7	2785.7	2983.0
20°	1797.3	1784.8	1765.3	1758.2	1800.8	1964.4	2191.3	2223.9	2504.2	2832.5	3067.1
22.5°	2153.4	2116.7	2035.5	1927.0	1861.3	1967.3	2196.7	2229.2	2534.4	2890.0	3164.3
25°	2682.0	2631.0	2492.9	2279.6	2074.6	2052.7	2241.1	2274.3	2593.1	2958.7	3257.4
27.5°	3283.4	3233.1	3064.2	2759.6	2410.0	2221.5	2343.0	2373.8	2680.2	3019.7	3328.5
30°	3859.4	3845.2	3646.1	3300.0	2831.9	2495.3	2474.6	2500.6	2744.8	3056.5	3384.8
32.5°	4347.7	4325.2	4165.2	3828.6	3314.8	2824.2	2629.2	2636.9	2793.4	3103.9	3458.2
35°	4800.4	4772.6	4632.1	4313.9	3810.2	3226.0	2867.4	2856.2	2899.4	3199.3	3564.9
37.5°	5195.7	5221.1	5065.3	4762.5	4254.7	3643.7	3188.6	3154.8	3065.4	3354.5	3719.6
40°	5526.3	5526.3	5445.1	5192.7	4734.6	4075.7	3551.9	3507.4	3314.8	3593.9	3915.7
42.5°	5645.4	5670.9	5701.1	5558.3	5164.2	4524.9	3956.6	3910.4	3666.2	3933.5	4163.4
45°	5652.5	5692.8	5847.5	5846.9	5552.4	4971.1	4412.9	4390.9	4116.6	4369.6	4470.3
47.5°	5552.4	5602.8	5857.6	6002.1	5859.9	5386.5	4911.8	4884.6	4645.7	4904.1	4791.5
50°	5397.7	5453.4	5749.7	6063.2	6069.1	5747.9	5437.4	5396.5	5228.2	5515.1	5123.4
52.5°	5121.0	5228.8	5653.1	6077.4	6206.6	6060.2	5937.6	5919.8	5880.1	6103.5	5387.6
55°	4529.0	4648.7	5410.8	6082.1	6334.0	6336.9	6406.3	6411.0	6491.0	6653.4	5584.4
57.5°	4249.3	4316.9	4987.7	6104.7	6523.0	6651.0	6883.9	6920.6	7044.5	7175.4	5809.0
60°	4073.3	4153.3	4779.1	6073.8	6819.9	7062.8	7326.5	7339.0	7471.7	7714.1	6113.0
62.5°	3932.9	4011.7	4647.5	5955.3	7153.5	7558.2	7759.1	7760.3	7859.9	8355.8	6458.4
65°	3586.2	3652.6	4381.5	5822.0	7373.9	8048.3	8261.6	8253.9	8335.1	9032.5	6859.6
67.5°	3084.9	3135.9	3838.1	5316.5	7291.0	8493.9	9020.1	8994.6	8896.3	9617.4	7017.2
70°	2385.1	2403.5	3025.1	4430.6	6513.5	8665.2	9753.1	9740.1	9240.5	9512.5	6439.5
71°	1971.5	2031.9	2666.0	3910.4	5992.7	8506.9	9824.2	9831.9	9154.0	9226.9	6041.8
72.5°	1144.8	1196.4	1932.4	3003.1	5087.8	7846.8	9455.6	9511.3	8749.9	8392.6	5160.7
75°	245.3	262.5	716.4	1453.6	2798.7	5499.6	7463.4	7661.9	7131.6	5709.4	3110.4
77.5°	170.7	184.3	307.0	659.5	925.0	2717.5	4636.3	4860.3	4260.6	2145.7	995.5
80°	135.1	150.5	239.4	325.9	250.1	876.4	2171.8	2308.7	1421.0	478.8	167.7
82.5°	75.3	89.5	186.7	176.0	96.0	166.5	608.0	687.4	284.4	96.6	39.7
85°	21.9	26.7	120.3	128.0	40.9	32.0	103.7	128.6	53.9	25.5	17.8
87.5°	0.0	0.0	58.1	49.2	11.9	4.7	9.5	10.7	10.7	10.7	11.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P321767
CATALOG NUMBER: GLEON-SA3C-830-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2545.1	2545.1	2545.1	2545.1	2545.1	2545.1	2545.1	2545.1	2545.1	2545.1	2545.1
2.5°	2555.2	2559.3	2544.5	2524.9	2504.2	2478.7	2452.1	2431.3	2430.7	2420.6	2410.6
5°	2586.6	2584.2	2543.3	2481.1	2407.6	2331.2	2258.3	2175.9	2148.7	2114.9	2103.6
7.5°	2644.6	2628.0	2541.5	2405.2	2244.1	2084.1	1918.7	1752.2	1681.1	1617.1	1605.9
10°	2717.5	2686.1	2530.3	2291.5	1995.8	1700.7	1451.2	1224.8	1125.3	1048.8	1045.3
12.5°	2793.4	2745.4	2498.9	2119.6	1670.5	1255.7	968.3	745.5	662.5	609.2	613.9
15°	2872.8	2801.1	2431.3	1887.9	1300.1	852.1	594.9	464.0	430.8	417.2	420.7
17.5°	2954.0	2839.6	2337.1	1608.8	934.5	549.9	411.8	375.1	375.1	378.1	379.2
20°	3024.5	2860.3	2198.4	1296.0	633.5	400.6	360.3	354.9	357.9	362.7	363.2
22.5°	3094.4	2861.5	2017.7	978.9	443.2	350.8	343.1	340.7	342.5	347.8	348.4
25°	3151.3	2847.3	1791.3	696.3	353.8	330.7	327.1	325.9	327.1	333.6	333.6
27.5°	3174.4	2795.7	1515.2	489.5	317.0	308.1	307.0	308.1	309.9	314.7	315.2
30°	3176.8	2705.7	1214.2	354.4	287.4	277.9	280.3	284.4	282.7	281.5	282.7
32.5°	3182.7	2601.4	920.9	291.5	262.5	247.7	244.7	244.7	237.6	233.5	231.1
35°	3202.2	2478.7	667.8	261.9	237.0	219.8	208.6	195.5	181.9	174.8	173.0
37.5°	3233.1	2350.1	478.2	242.4	214.5	195.0	173.6	150.5	131.0	125.6	125.6
40°	3289.4	2217.4	353.8	227.0	196.7	172.4	140.4	110.2	92.4	89.5	89.5
42.5°	3378.2	2077.6	282.1	213.3	181.3	149.3	107.3	80.0	67.0	65.2	64.6
45°	3470.7	1923.5	246.5	200.3	164.7	122.7	79.4	59.3	51.6	49.8	49.8
47.5°	3563.1	1759.3	229.3	187.8	148.7	95.4	59.3	46.8	43.3	43.3	43.9
50°	3641.3	1588.1	216.9	174.2	128.0	72.3	46.8	39.7	38.5	40.9	41.5
52.5°	3660.9	1419.8	201.5	157.0	102.5	55.1	38.5	35.0	35.0	35.0	35.0
55°	3649.0	1289.4	181.3	135.7	75.8	43.9	33.2	30.8	30.2	30.2	30.2
57.5°	3689.3	1212.4	145.2	105.5	54.5	35.6	29.0	27.3	26.1	25.5	25.5
60°	3770.5	1162.0	103.7	75.8	40.9	29.6	24.9	23.1	21.3	20.1	20.1
62.5°	3878.4	1118.2	77.0	56.3	31.4	23.7	20.7	19.0	16.6	15.4	15.4
65°	3961.3	1040.0	58.7	42.1	23.7	19.0	16.0	15.4	11.9	10.7	10.1
67.5°	3834.5	868.1	47.4	30.8	17.8	14.8	12.4	11.9	7.1	5.9	5.9
70°	3288.8	604.4	37.9	22.5	13.0	11.9	10.1	7.7	5.3	4.7	4.7
71°	*2982.4*	*504.9*	*34.4*	*19.0*	*11.3*	*11.3*	*9.5*	*6.5*	*4.7*	*4.1*	*4.1*
72.5°	2477.5	358.5	29.0	14.8	10.1	11.9	10.1	5.9	4.7	4.1	3.6
75°	1438.2	149.9	20.1	10.1	7.7	14.2	13.0	5.3	3.6	3.0	3.0
77.5°	432.6	55.1	11.3	6.5	5.9	12.4	14.8	4.7	1.8	0.6	0.6
80°	78.8	23.7	7.1	4.1	4.1	7.7	11.3	2.4	0.0	0.0	0.0
82.5°	27.9	11.9	4.1	2.4	1.8	3.6	5.3	0.0	0.0	0.0	0.0
85°	16.0	8.3	2.4	1.2	0.0	0.6	1.2	0.0	0.0	0.0	0.0
87.5°	10.7	2.4	0.0	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

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

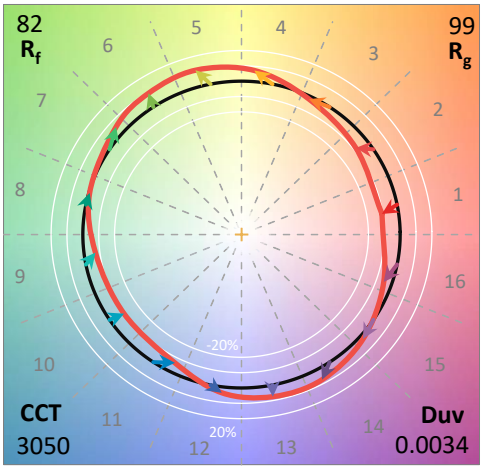
Test Information

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

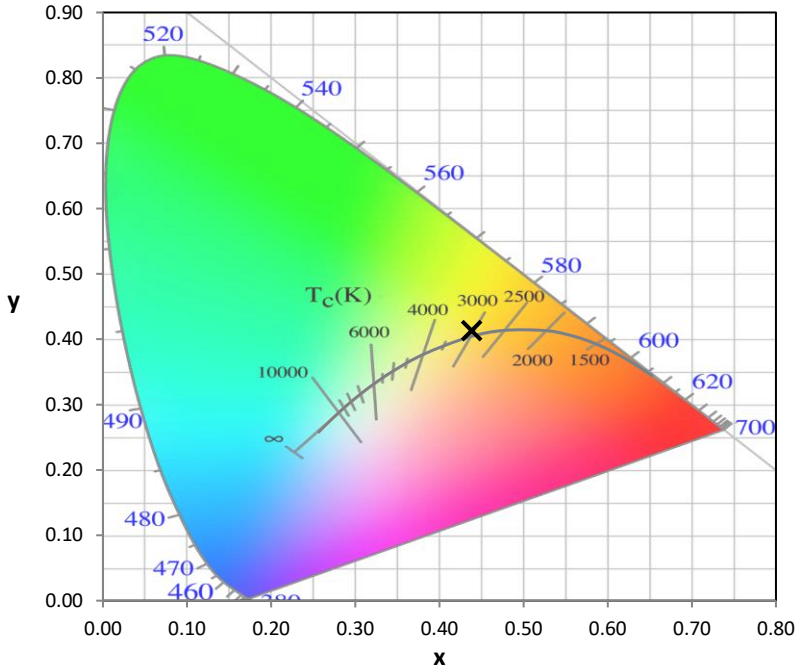
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

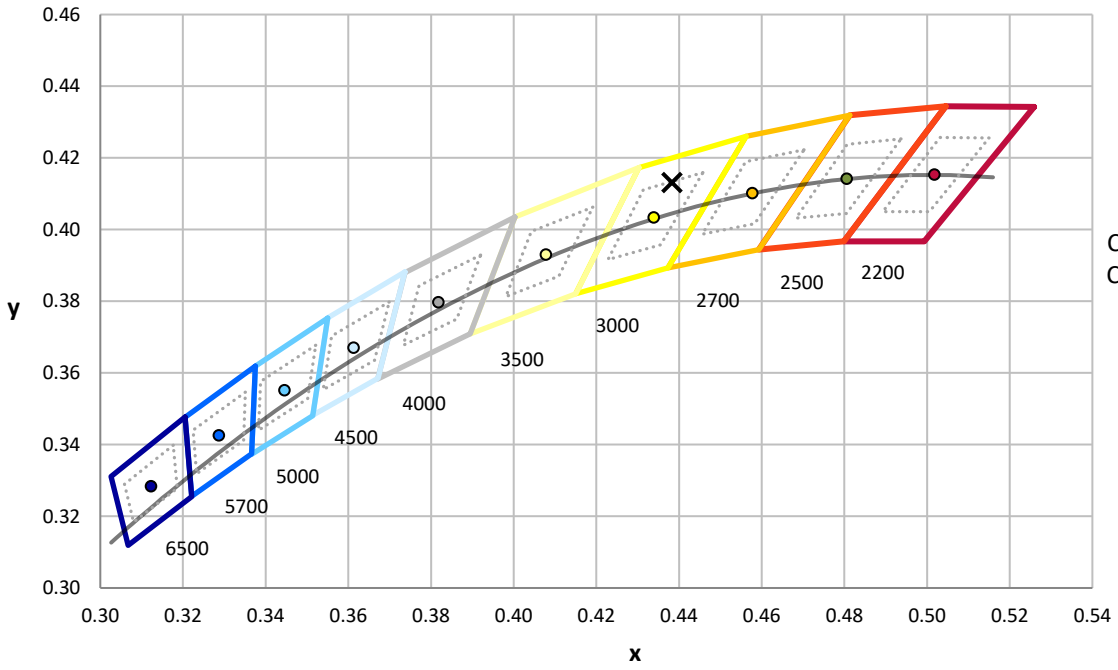
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

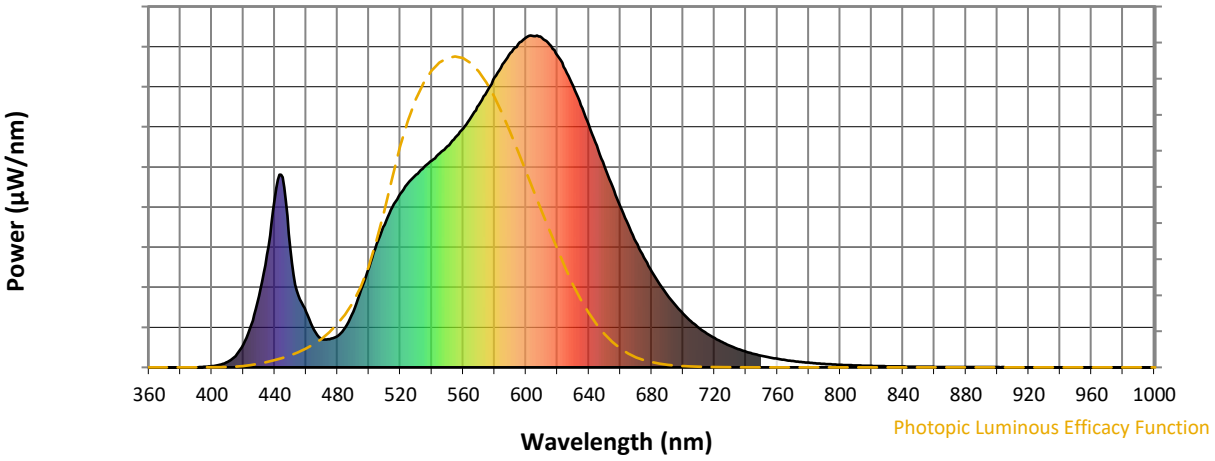


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

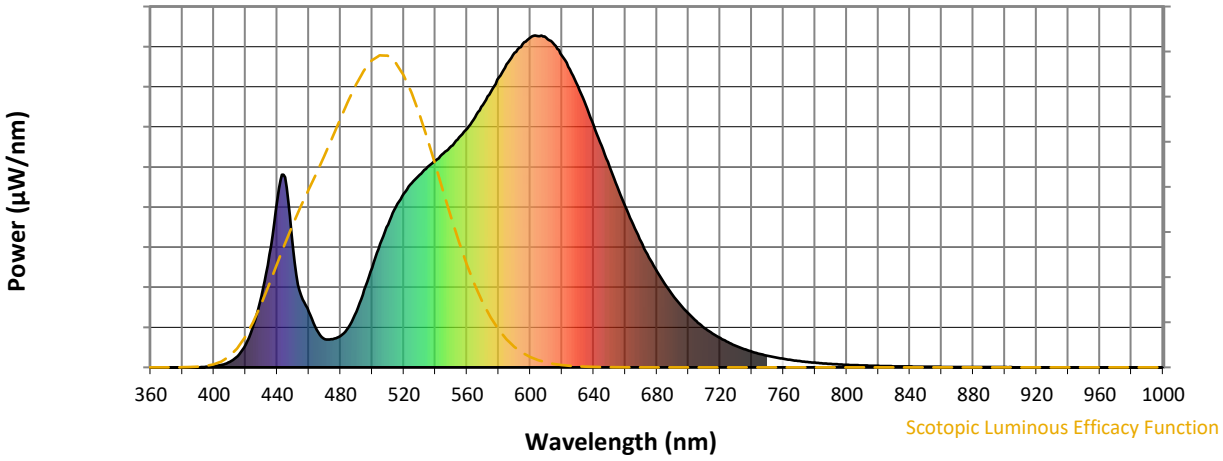


Photopic Lumens: NR

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

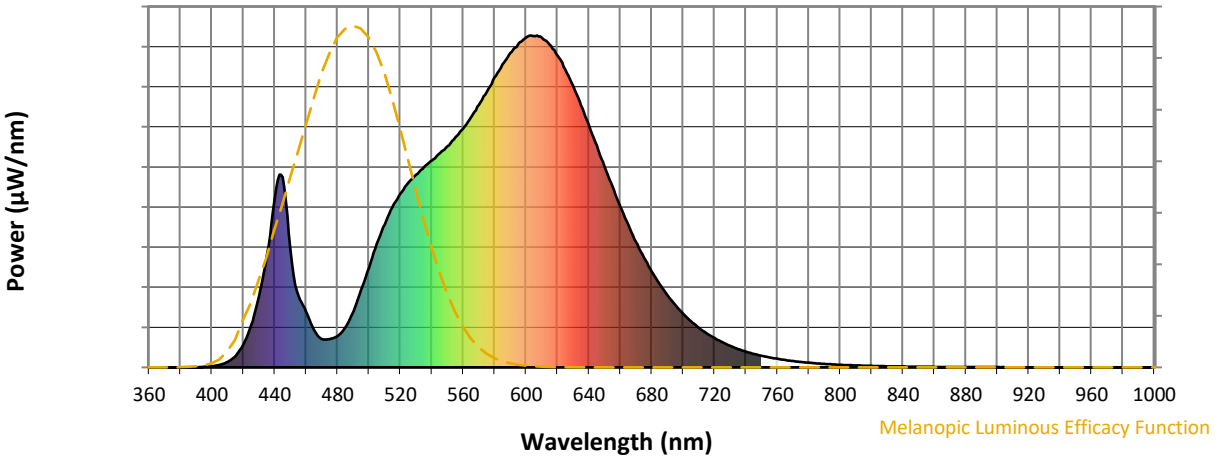


Scotopic Lumens: NR **S/P: 1.27**

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			

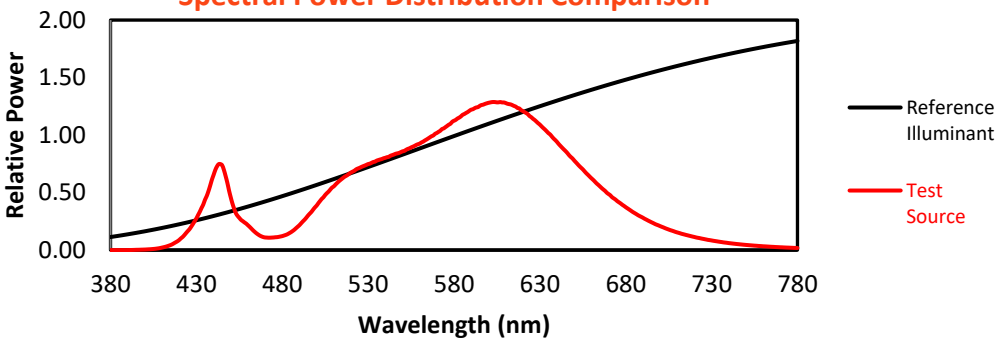
REPORT NUMBER: SP1-2408-195-9

TM-30-18

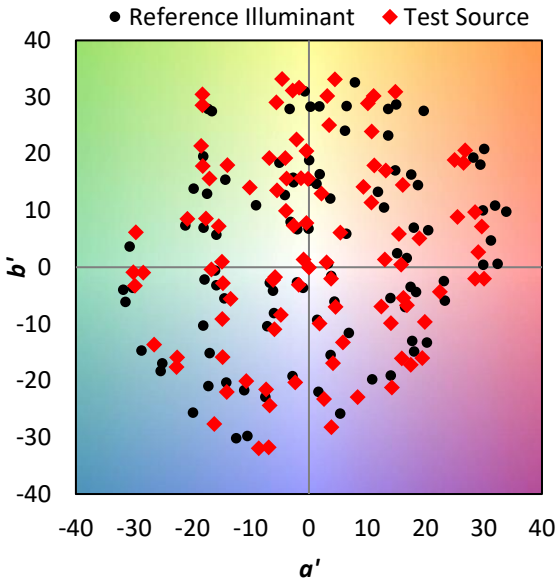
Summary

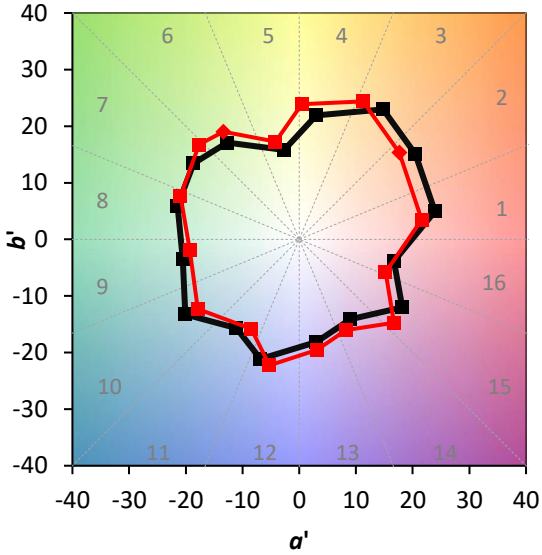
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

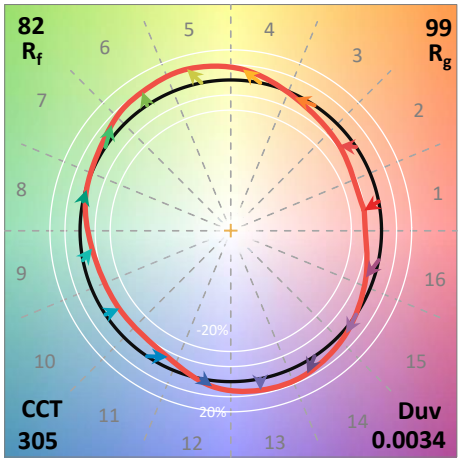
Spectral Power Distribution Comparison

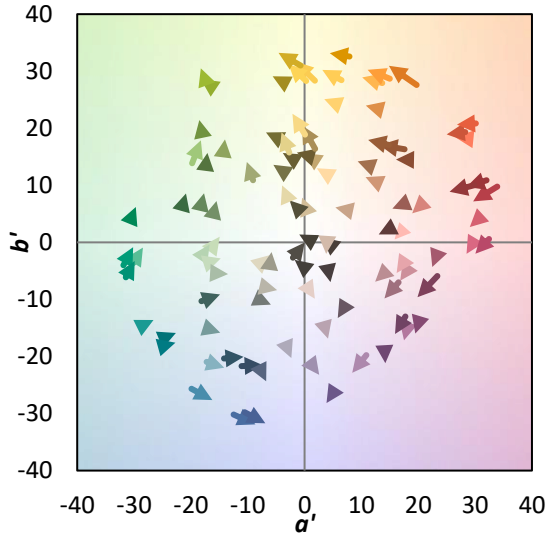


Color Vector Graphics







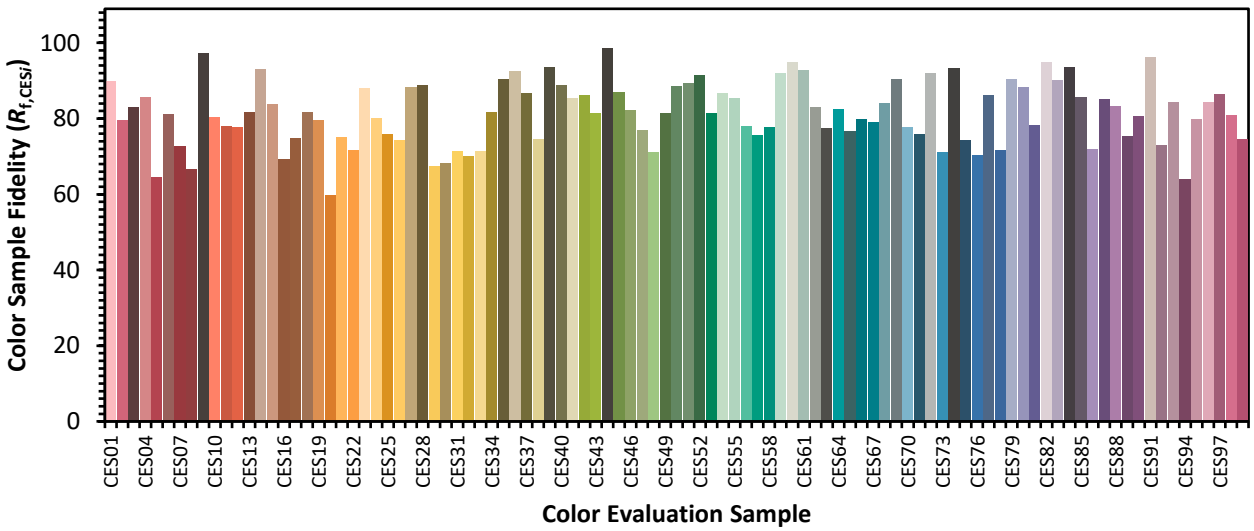


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

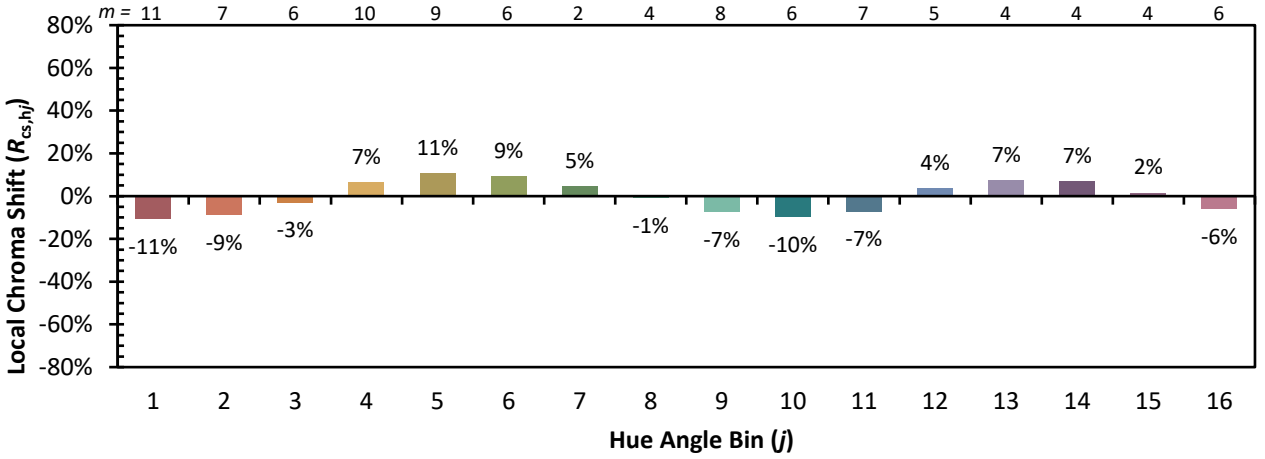
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

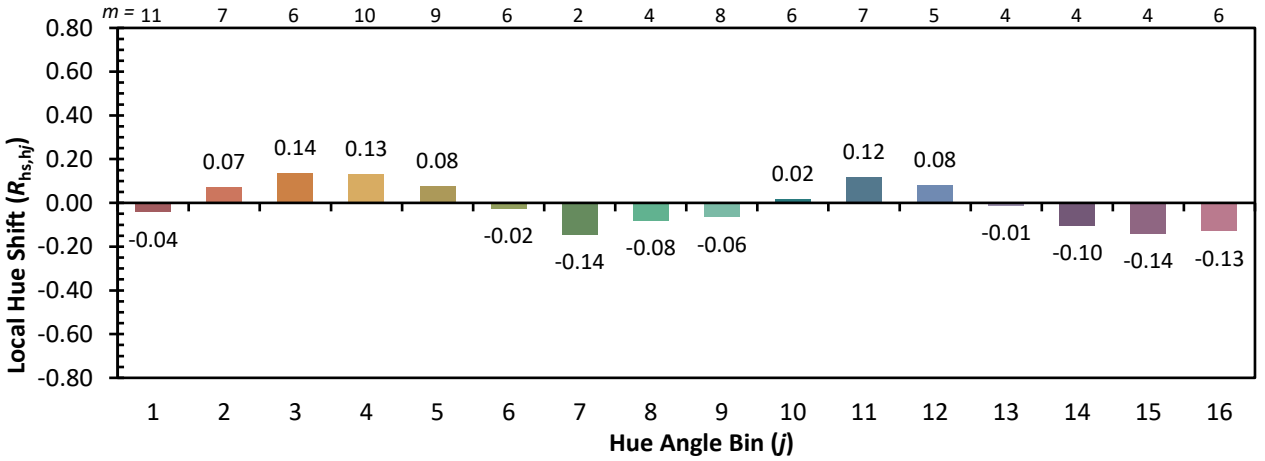


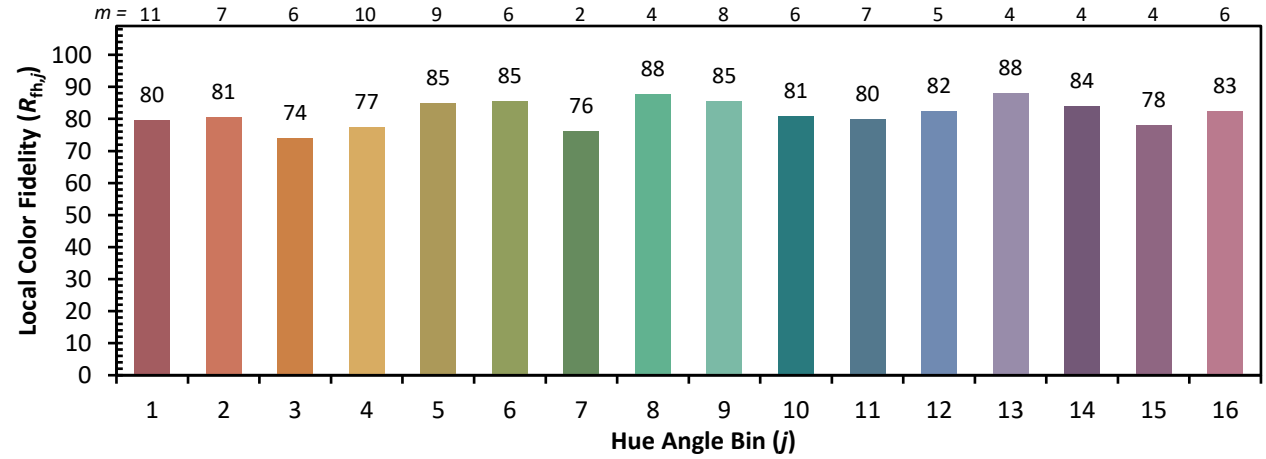
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



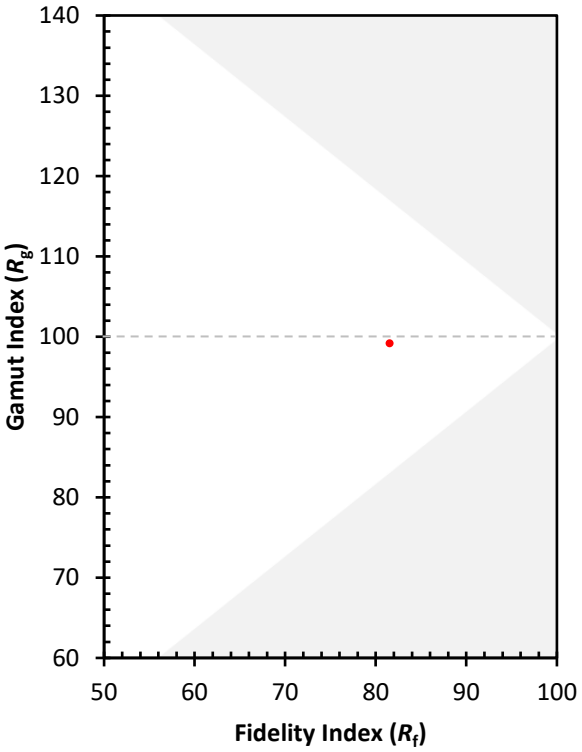


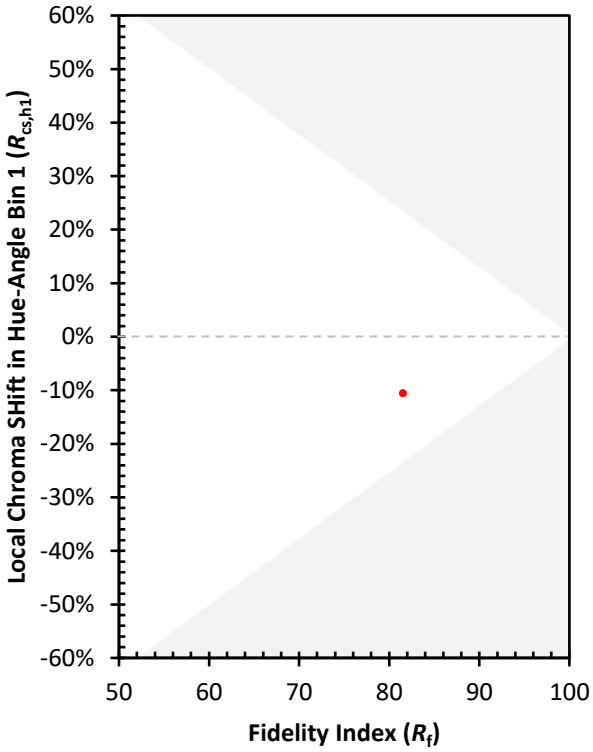


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)