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: P319856

Luminaire Tested: **GLEON-SA2D-830-U-SL3**

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:	P319856
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA2D-830-U-SL3
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12617 lumens
Efficiency:	N/A
Efficacy:	97.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G3

Input Watts (W):	129
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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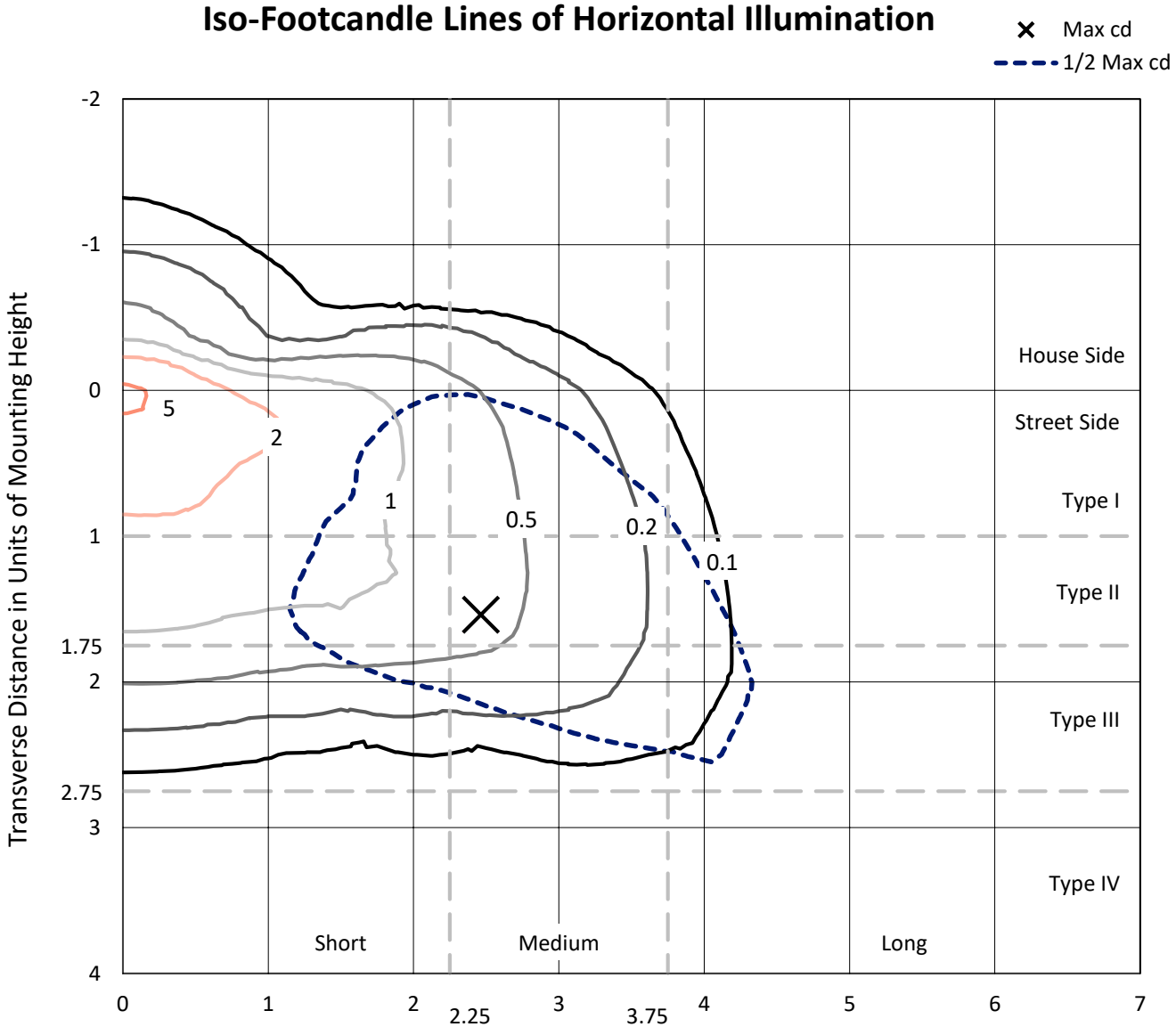
REPORT NUMBER: P319856
CATALOG NUMBER: GLEON-SA2D-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
Type III - Medium - N/A

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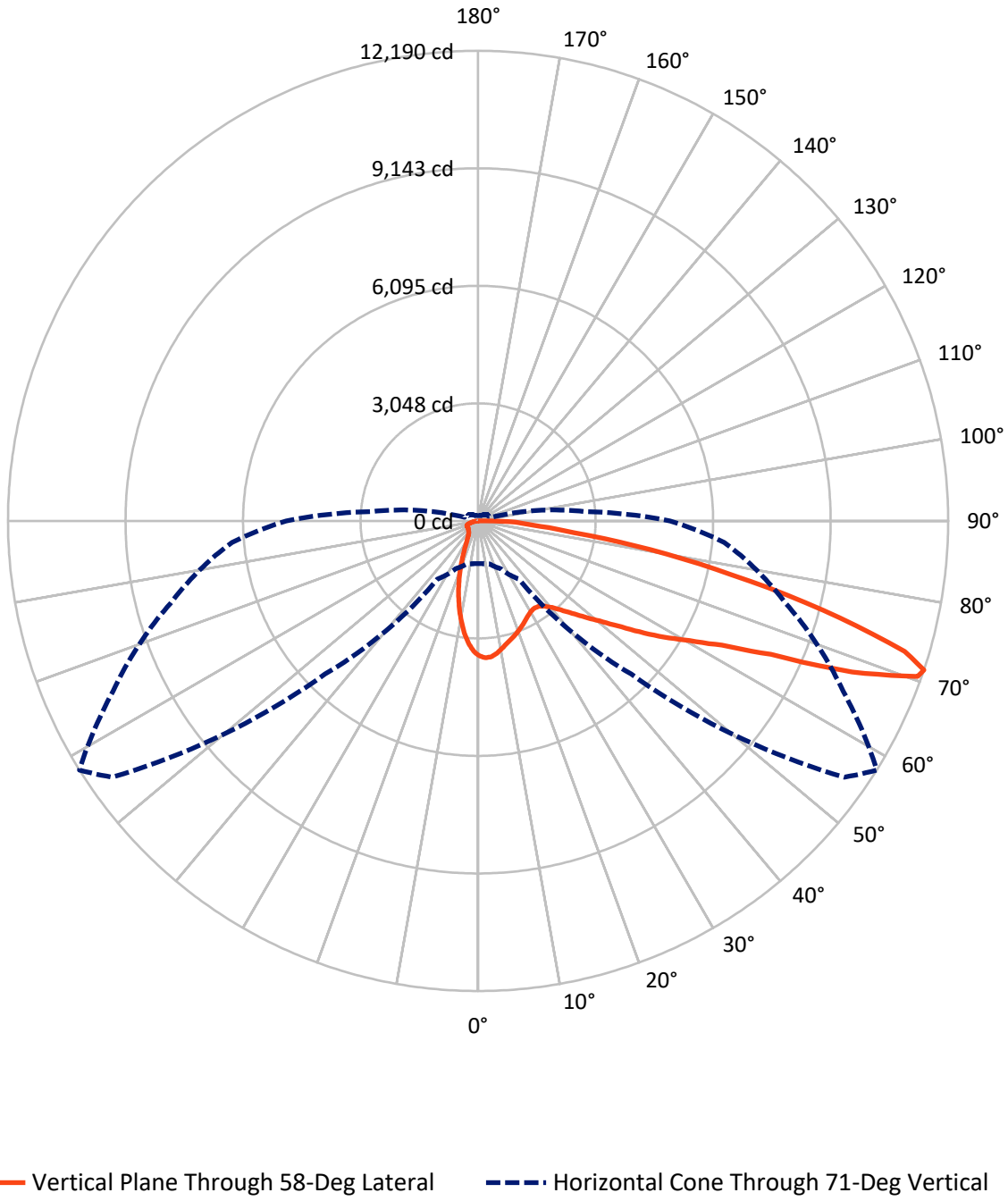
Luminous Intensity Polar Plot



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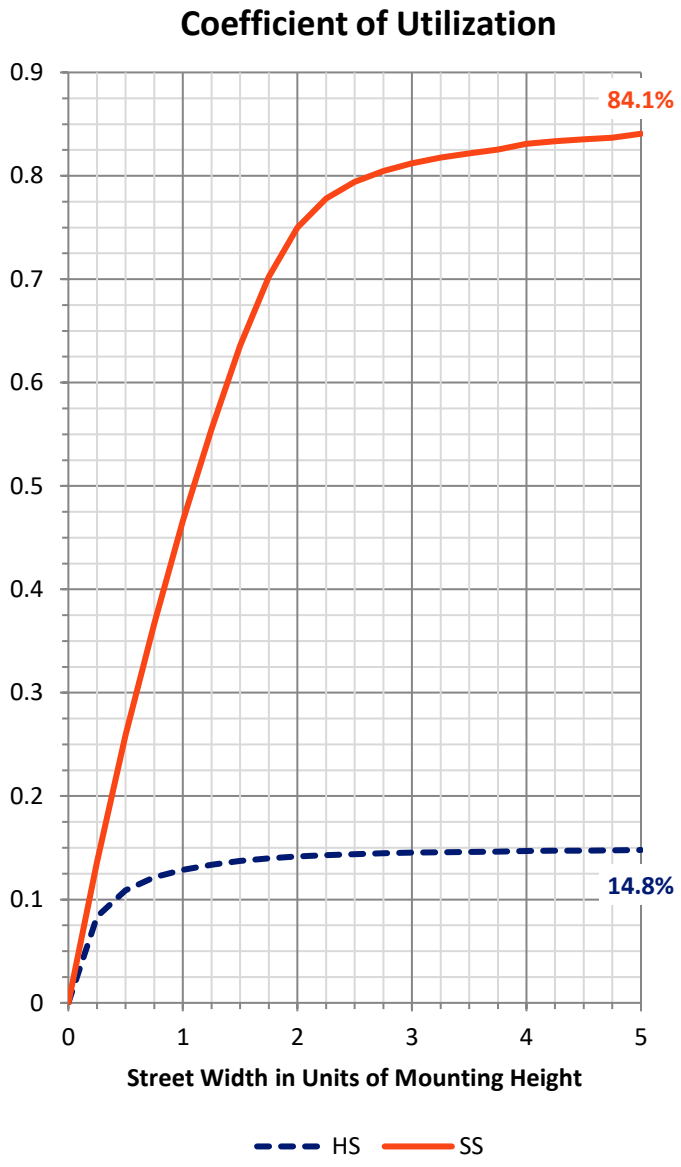
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1886.3	0.0	1886.3
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	10730.7	0.0	10730.7
	% Fixture	85.0	0.0	85.0
Total	Lumens	12617.0	0.0	12617.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.6	2.4
10°-20°	670.6	5.3
20°-30°	852.3	6.8
30°-40°	1085.6	8.6
40°-50°	1539.4	12.2
50°-60°	2382.3	18.9
60°-70°	3243.3	25.7
70°-80°	2163.6	17.1
80°-90°	378.3	3.0
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°	12617.0	100.0
0°-180°	12617.0	100.0



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REPORT NUMBER: P319856
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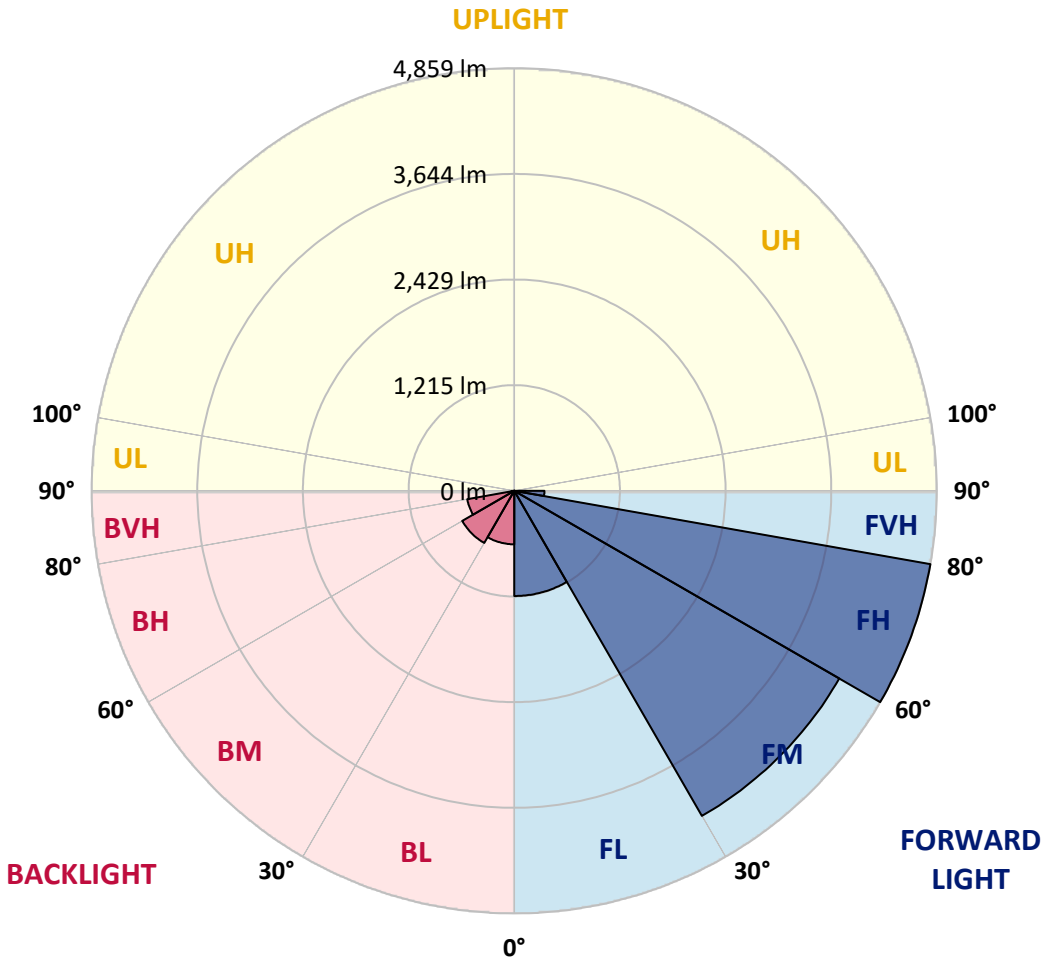
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1209.5	9.6			
FM	(30°-60°)	4315.6	34.2			
FH	(60°-80°)	4858.7	38.5			G2/5000
FVH	(80°-90°)	346.8	2.7			G3/500
BL	(0°-30°)	614.9	4.9	B2/1000		
BM	(30°-60°)	691.8	5.5	B1/1000		
BH	(60°-80°)	548.2	4.3	B2/1000		G2/1000
BVH	(80°-90°)	31.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Medium



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REPORT NUMBER: P319856
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3495.8	3495.8	3495.8	3495.8	3495.8	3495.8	3495.8	*3495.8*	3495.8	3495.8	3495.8
2.5°	3588.5	3583.7	3585.4	3581.9	3573.5	3565.2	3552.9	*3555.1*	3537.9	3512.5	3480.8
5°	3520.8	3519.0	3532.2	3539.7	3545.9	3541.0	3537.5	*3541.9*	3516.8	3481.7	3426.8
7.5°	3378.8	3359.5	3376.2	3401.3	3425.0	3443.0	3466.7	*3469.8*	3454.0	3417.1	3345.0
10°	3177.1	3158.7	3183.3	3222.4	3269.9	3312.9	3360.8	*3369.6*	3372.7	3339.3	3251.8
12.5°	2967.9	2953.9	2978.5	3033.4	3112.1	3178.4	3254.9	*3268.1*	3295.3	3272.9	3165.7
15°	2780.7	2775.4	2805.3	2859.4	2949.9	3051.4	3161.7	*3185.9*	3232.1	3224.6	3098.4
17.5°	2619.0	2617.6	2640.5	2697.2	2797.4	2925.7	3069.0	*3109.9*	3178.4	3187.2	3043.1
20°	2498.5	2495.9	2511.7	2553.5	2656.8	2802.2	2968.8	*3025.1*	3123.9	3154.7	2985.9
22.5°	2433.9	2433.5	2433.9	2453.7	2538.1	2673.5	2871.2	*2939.8*	3070.8	3128.8	2922.6
25°	2422.9	2421.6	2412.0	2409.8	2457.7	2565.8	2774.5	*2850.1*	3020.2	3110.8	2862.4
27.5°	2451.5	2453.3	2440.5	2419.9	2429.5	2495.0	2690.6	*2771.5*	2979.8	3107.2	2820.7
30°	2510.8	2510.0	2499.0	2477.4	2458.5	2468.6	2630.8	*2711.7*	2952.5	3122.6	2792.1
32.5°	2576.3	2581.2	2579.0	2567.1	2539.0	2498.5	2612.8	*2691.9*	2944.6	3159.5	2779.8
35°	2655.0	2660.3	2676.1	2685.3	2652.4	2587.3	2651.5	*2720.0*	2967.5	3229.0	2799.6
37.5°	2729.7	2743.3	2787.7	2826.8	2798.7	2726.2	2754.3	*2803.1*	3038.2	3338.4	2852.8
40°	2815.9	2827.7	2900.2	2983.3	2978.9	2903.8	2920.0	*2952.5*	3163.1	3495.3	2949.0
42.5°	2900.7	2924.4	3029.4	3147.2	3181.1	3114.7	3140.6	*3157.8*	3338.9	3703.2	3116.9
45°	3013.6	3039.1	3185.0	3327.0	3406.1	3368.7	3410.1	*3416.6*	3559.9	3986.2	3360.8
47.5°	3184.6	3213.6	3383.7	3532.7	3653.5	3657.5	3725.6	*3723.0*	3835.9	4310.1	3668.0
50°	3450.9	3492.7	3632.0	3771.3	3918.1	3999.9	4090.8	*4078.1*	4166.9	4655.1	4021.8
52.5°	3799.9	3819.2	3922.5	4025.3	4207.7	4391.0	4521.5	*4510.1*	4542.2	5009.8	4423.5
55°	4161.6	4176.1	4218.7	4275.0	4520.2	4819.1	5095.1	*5077.1*	4995.8	5378.1	4820.4
57.5°	4486.8	4516.3	4545.7	4569.0	4834.9	5266.5	5681.8	*5683.1*	5488.0	5775.4	5230.4
60°	4537.4	4563.3	4758.0	4941.7	5373.3	5863.3	6309.8	*6296.7*	5997.4	6206.6	5687.5
62.5°	4010.8	4069.3	4394.5	4883.2	5891.9	6955.0	7111.0	*7094.8*	6606.5	6737.9	6219.7
65°	2874.3	2940.7	3333.1	4067.5	5640.5	8157.9	8557.0	*8338.1*	7437.2	7391.4	6843.0
67.5°	1658.2	1674.0	1844.1	2433.9	4294.8	8220.8	10762.8	*10456.5*	8727.1	8132.9	7148.0
70°	1226.2	1225.8	1266.2	1497.8	2324.1	6709.3	11811.9	*12086.6*	10085.1	8376.8	6716.8
71°	*1108.8*	*1110.2*	*1155.4*	*1363.3*	*1840.6*	*5615.9*	*11589.1*	*12190.3*	*10442.9*	*8256.4*	*6404.8*
72.5°	948.4	952.8	1015.7	1222.7	1548.3	3872.8	10629.2	*11568.0*	10612.5	7959.3	5916.5
75°	719.5	729.6	816.6	1030.6	1415.2	1964.1	7801.1	*9237.3*	9427.6	7023.1	4396.3
77.5°	513.3	524.8	623.2	866.7	1345.3	1480.2	5224.3	*6737.9*	6937.9	4500.9	1983.0
80°	324.3	338.0	412.2	689.6	1264.0	1405.5	3283.0	*4529.0*	3783.2	1440.2	504.5
82.5°	190.3	200.8	255.8	450.5	1032.4	1353.6	1931.6	*2510.4*	1472.3	435.1	229.4
85°	110.3	115.1	159.5	287.0	749.8	1277.6	1419.1	*1403.3*	639.0	212.7	108.6
87.5°	51.4	57.1	94.5	149.9	416.2	926.0	1121.6	*969.1*	397.3	99.8	51.0
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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Scaled Data Report

REPORT NUMBER: P319856
CATALOG NUMBER: GLEON-SA2D-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3495.8	3495.8	3495.8	3495.8	3495.8	3495.8	3495.8	3495.8	3495.8	3495.8	3495.8
2.5°	3465.4	3458.0	3426.8	3399.1	3370.1	3332.3	3290.5	3285.2	3259.7	3264.6	3255.8
5°	3396.9	3378.0	3302.8	3234.7	3154.3	3082.2	3004.0	2967.9	2916.1	2912.5	2899.4
7.5°	3298.9	3263.7	3147.2	3018.0	2888.8	2765.7	2644.0	2564.0	2482.3	2447.6	2444.5
10°	3188.5	3128.8	2957.4	2766.2	2579.8	2400.1	2226.0	2097.3	1981.2	1926.3	1924.1
12.5°	3083.9	2995.6	2760.5	2500.3	2245.4	2012.5	1773.8	1604.6	1459.1	1410.3	1389.7
15°	2995.2	2870.8	2568.9	2236.2	1926.8	1603.3	1331.7	1153.7	1019.2	972.6	963.8
17.5°	2909.0	2749.0	2372.4	1969.4	1595.4	1239.8	967.8	835.5	763.8	744.9	744.5
20°	2823.3	2623.8	2167.2	1696.5	1275.0	927.3	744.1	684.7	660.6	658.4	654.8
22.5°	2726.2	2491.1	1951.4	1422.6	995.0	729.1	632.4	608.7	605.6	613.5	613.5
25°	2635.2	2359.2	1732.5	1154.6	774.0	608.3	564.8	559.9	568.3	582.3	583.7
27.5°	2550.4	2232.2	1518.9	916.3	620.1	535.7	517.7	523.4	538.4	554.6	555.1
30°	2480.5	2112.2	1311.5	722.1	523.9	481.7	478.6	490.0	506.3	519.0	522.1
32.5°	2426.5	2009.8	1111.0	580.6	461.0	441.3	443.9	453.6	463.7	470.7	475.5
35°	2401.4	1921.9	926.0	489.6	421.0	410.0	413.6	418.8	423.2	428.5	432.5
37.5°	2405.8	1853.8	760.8	432.9	394.2	388.5	388.5	388.5	388.5	391.2	391.6
40°	2446.7	1814.7	626.3	396.9	376.2	370.1	365.2	360.8	357.3	359.1	358.2
42.5°	2551.3	1811.2	527.8	374.0	361.7	351.6	341.9	335.8	331.4	333.1	334.0
45°	2728.8	1855.1	461.5	357.7	348.1	332.7	320.4	313.8	310.7	316.4	317.3
47.5°	2958.7	1950.9	421.0	345.9	335.3	315.1	301.9	295.8	296.7	305.0	307.2
50°	3254.9	2106.5	401.7	338.4	326.5	300.2	286.6	281.3	283.9	295.8	298.4
52.5°	3580.1	2330.6	403.9	336.2	320.8	289.2	274.7	268.5	272.9	283.9	286.1
55°	3955.5	2600.1	440.4	339.3	312.5	282.2	265.0	254.5	258.0	268.1	269.9
57.5°	4372.5	2908.6	513.8	338.4	301.9	275.6	254.9	239.1	241.7	247.9	249.6
60°	4806.8	3281.3	627.6	341.0	297.1	267.7	241.3	221.5	220.6	225.9	226.8
62.5°	5328.0	3712.4	757.7	342.8	300.2	257.5	223.3	203.9	201.3	202.6	203.5
65°	5865.1	4024.5	708.9	335.8	309.8	249.2	207.4	186.8	182.0	181.1	181.5
67.5°	5881.8	3690.0	497.1	321.7	313.8	244.8	195.6	172.3	164.4	161.3	160.9
70°	5274.8	2997.8	387.2	306.8	298.0	237.8	184.6	160.4	148.5	143.7	143.3
71°	*4978.6*	*2759.6*	*367.0*	*299.3*	*286.1*	*230.7*	*179.8*	*155.1*	*142.8*	*137.6*	*136.7*
72.5°	4514.1	2473.9	342.4	287.4	263.3	212.7	170.5	147.7	134.9	128.8	127.5
75°	3239.5	1617.8	294.0	256.2	218.0	169.6	149.4	132.7	121.7	114.3	113.4
77.5°	1248.2	643.9	222.4	213.2	167.0	132.7	123.1	114.7	106.8	99.3	98.9
80°	385.9	287.9	162.2	160.4	120.9	98.9	95.8	93.6	90.5	82.6	80.9
82.5°	206.1	165.3	111.6	103.7	79.1	65.9	69.4	70.3	70.8	62.4	61.5
85°	98.4	87.5	62.8	58.9	46.1	36.9	42.6	46.1	46.6	38.2	35.6
87.5°	47.0	45.7	29.4	22.4	17.1	12.3	14.9	18.5	20.2	14.5	12.7
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

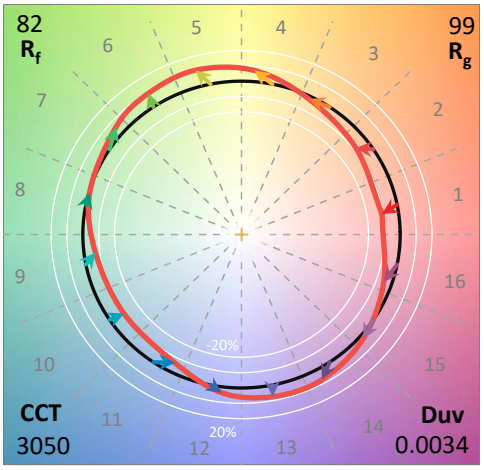
Test Information

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

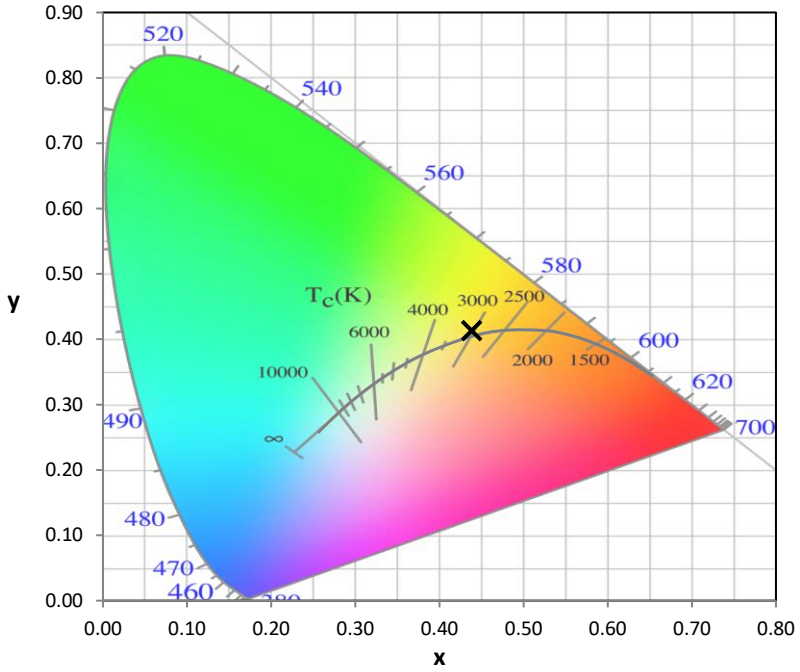
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

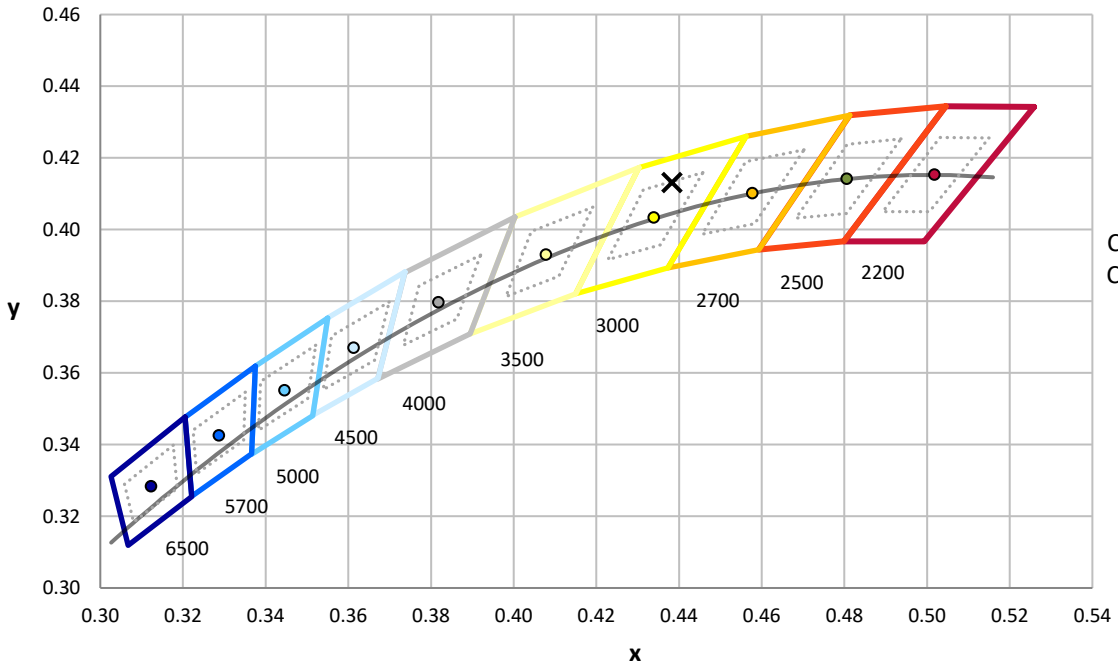
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

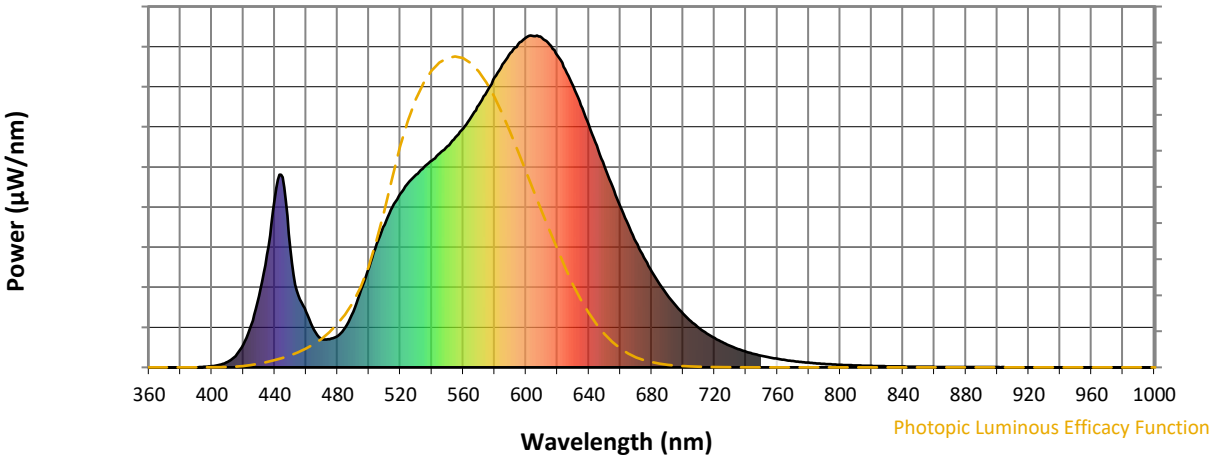


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

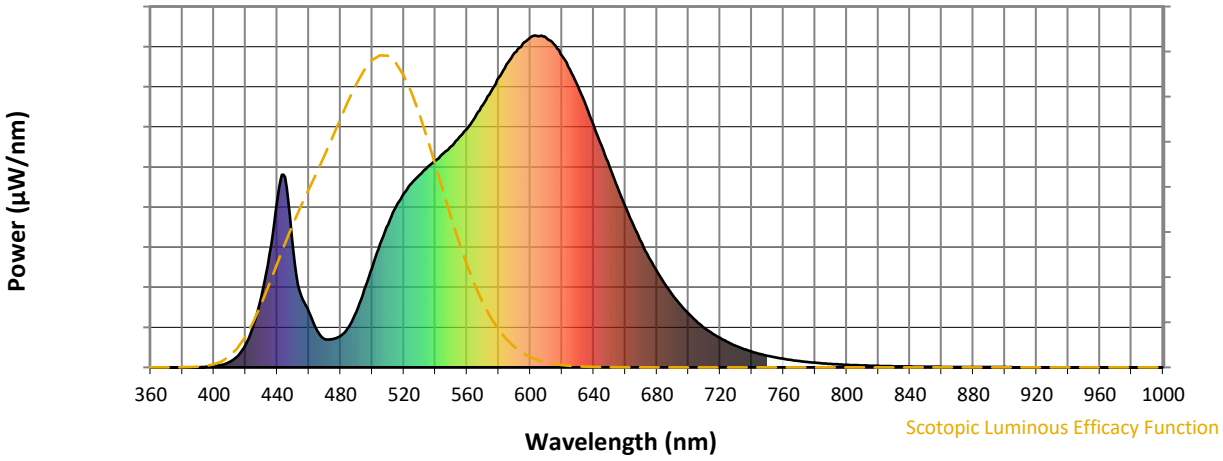


Photopic Lumens: NR

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

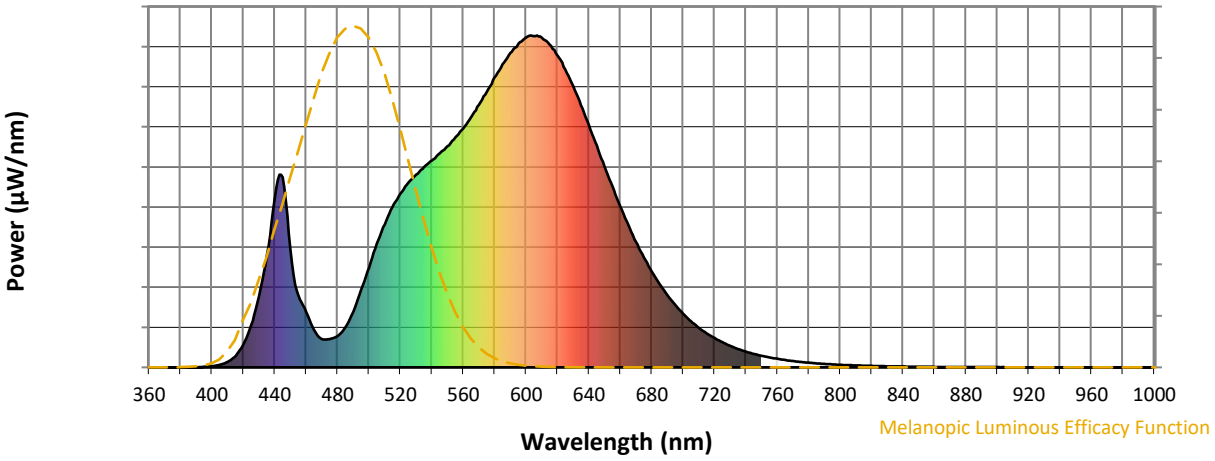


Scotopic Lumens: NR **S/P: 1.27**

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			

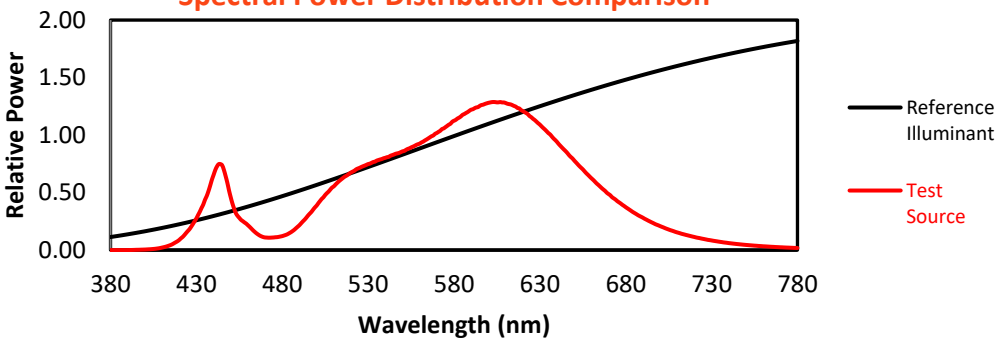
REPORT NUMBER: SP1-2408-195-9

TM-30-18

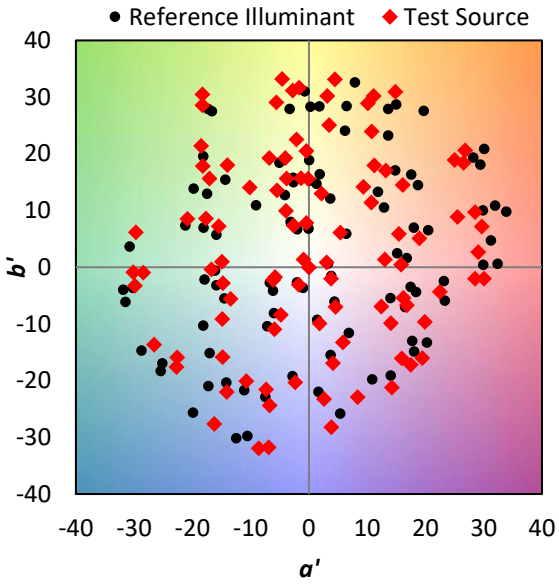
Summary

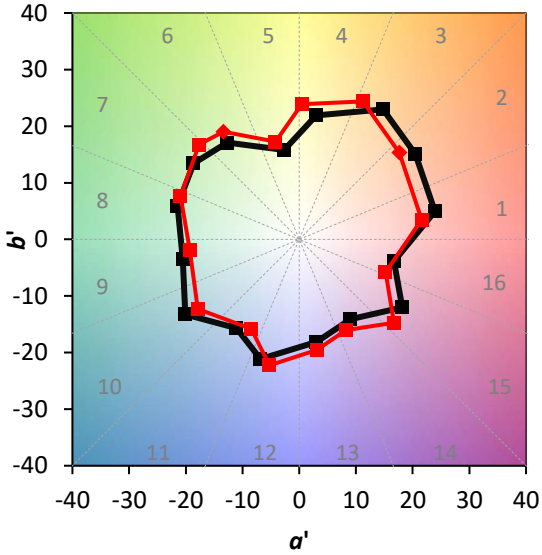
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

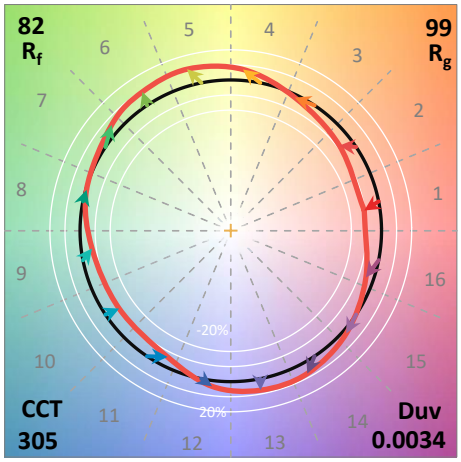
Spectral Power Distribution Comparison

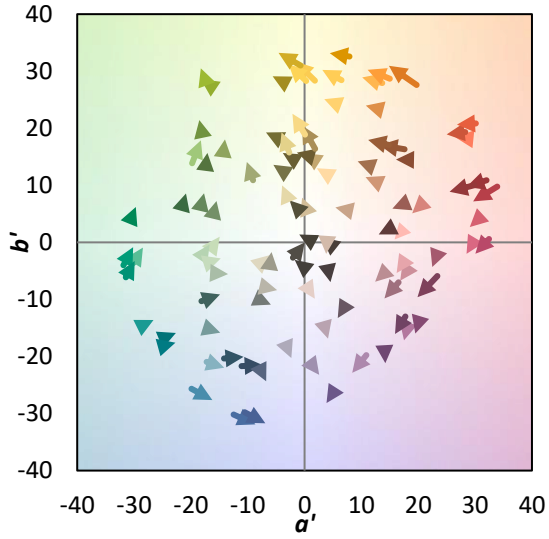


Color Vector Graphics







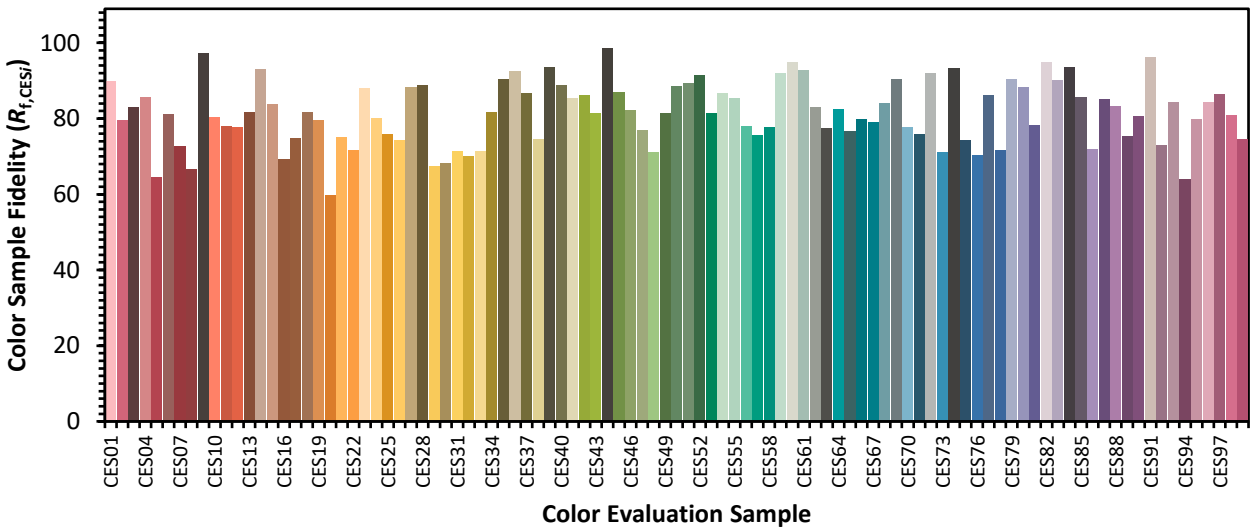


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

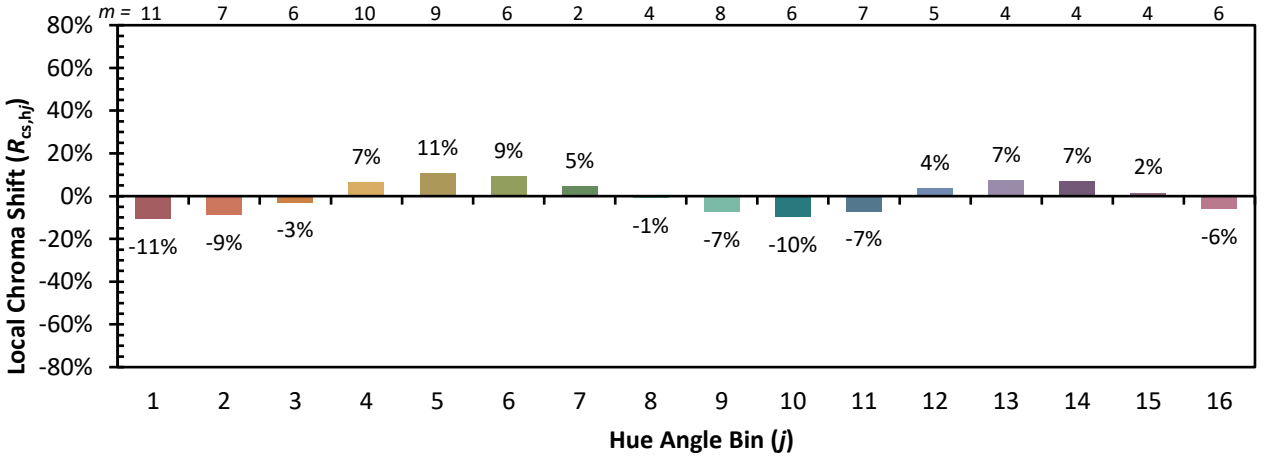
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

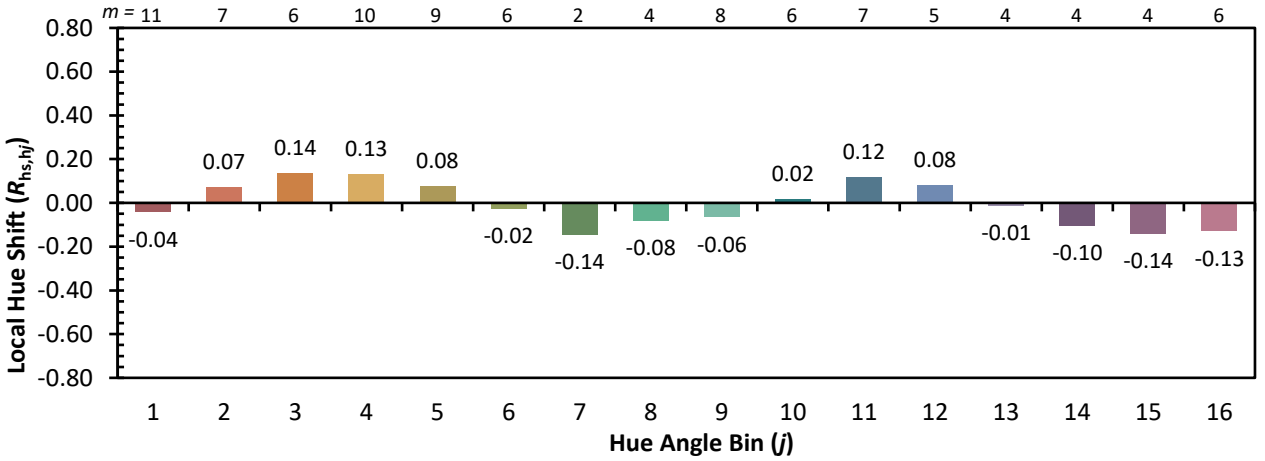


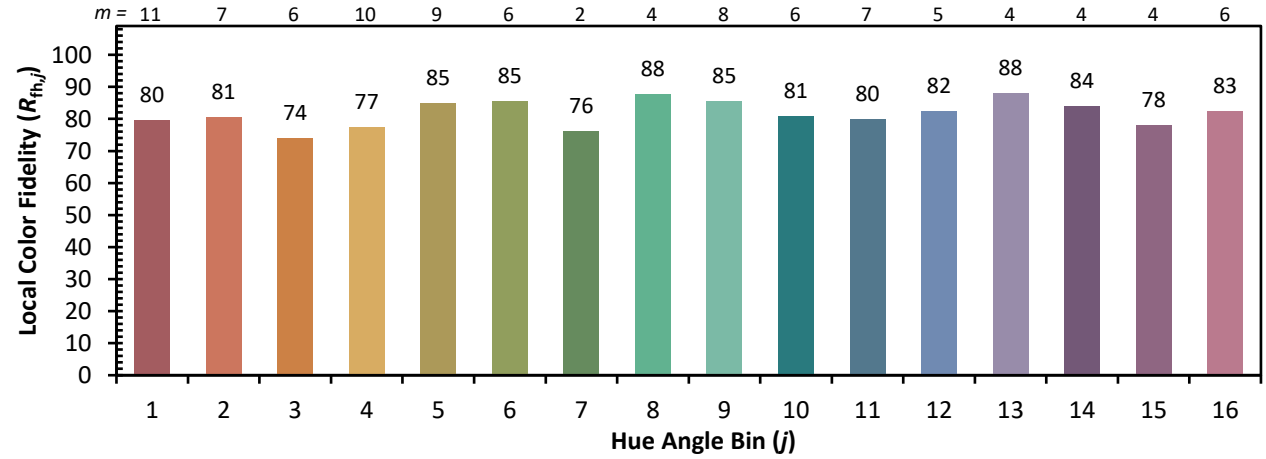
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



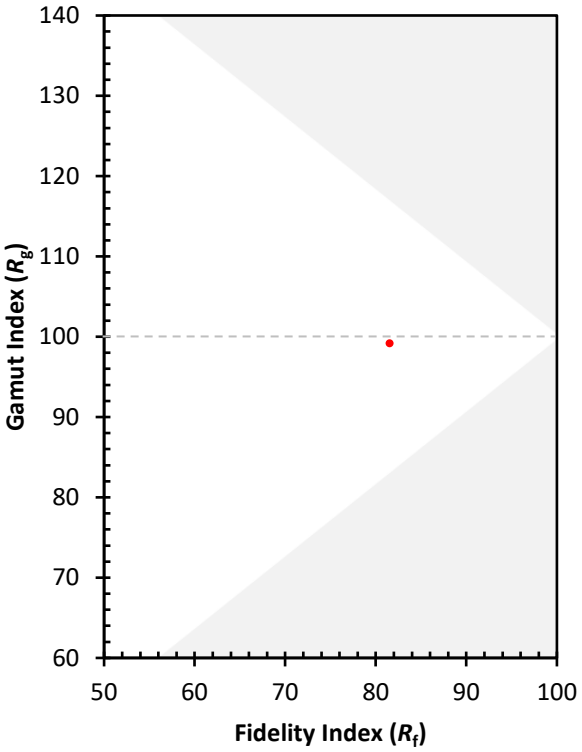


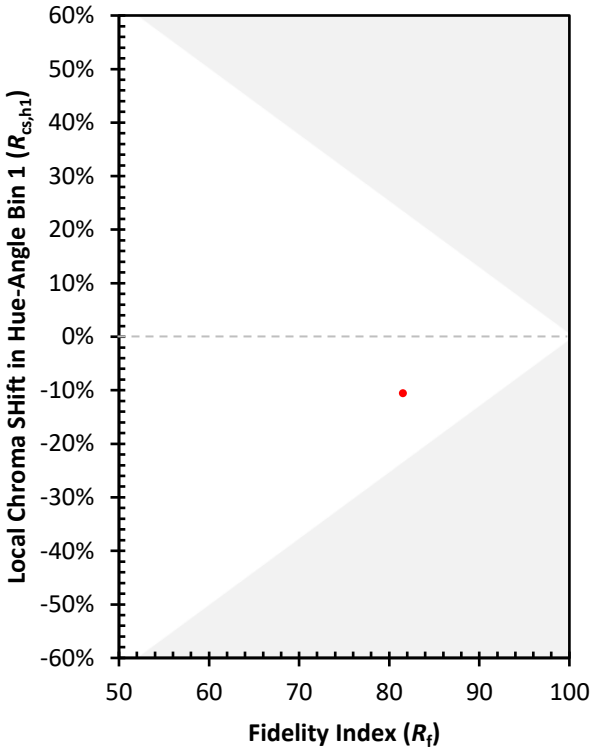


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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