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: P323349

Luminaire Tested: **GLEON-SA5A-830-U-SL2-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:	P323349
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5A-830-U-SL2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15331 lumens
Efficiency:	N/A
Efficacy:	94.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G3

Input Watts (W):	162
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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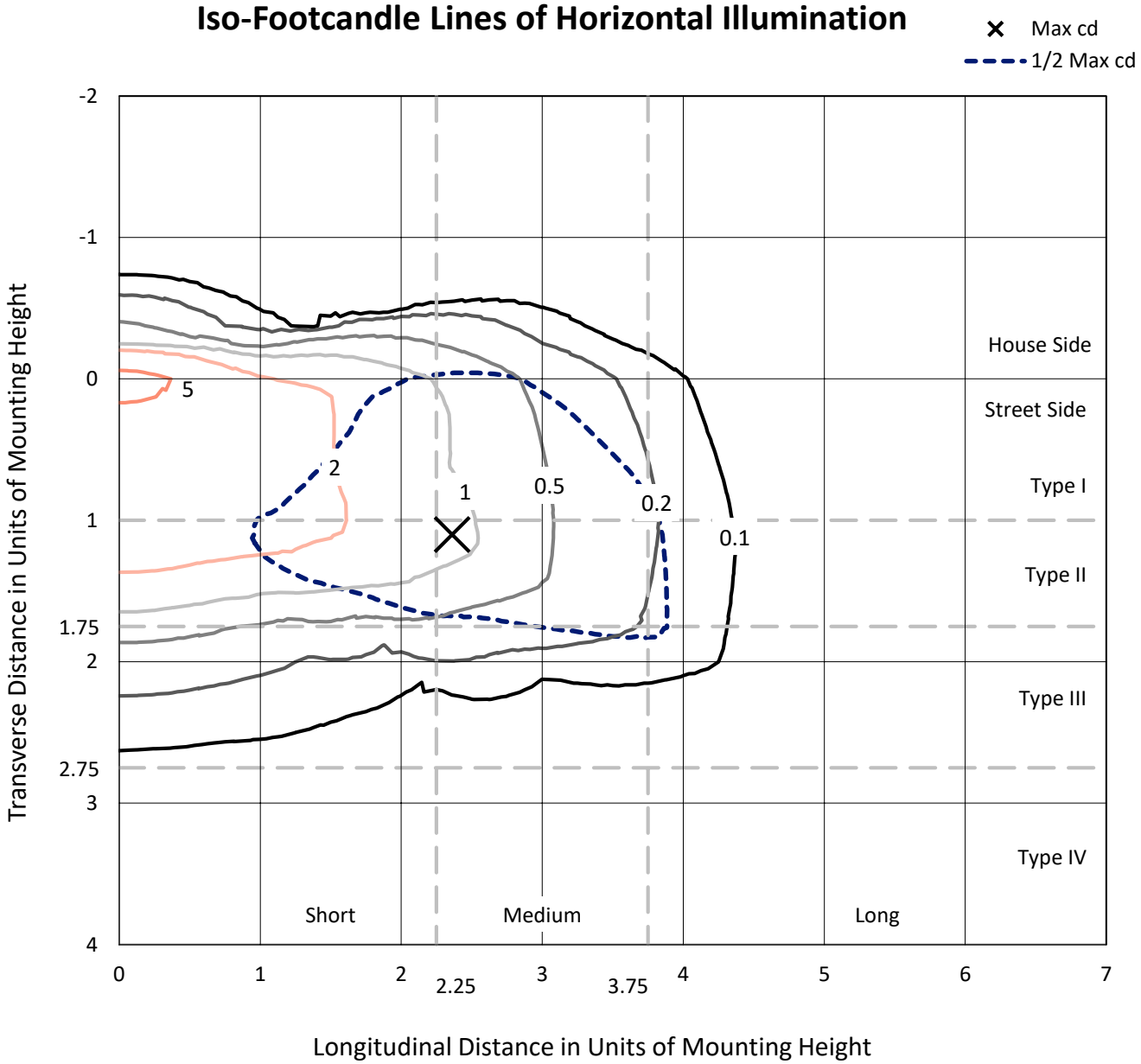
Scaled Data Report

REPORT NUMBER: P323349
CATALOG NUMBER: GLEON-SA5A-830-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
Type III - Medium - N/A

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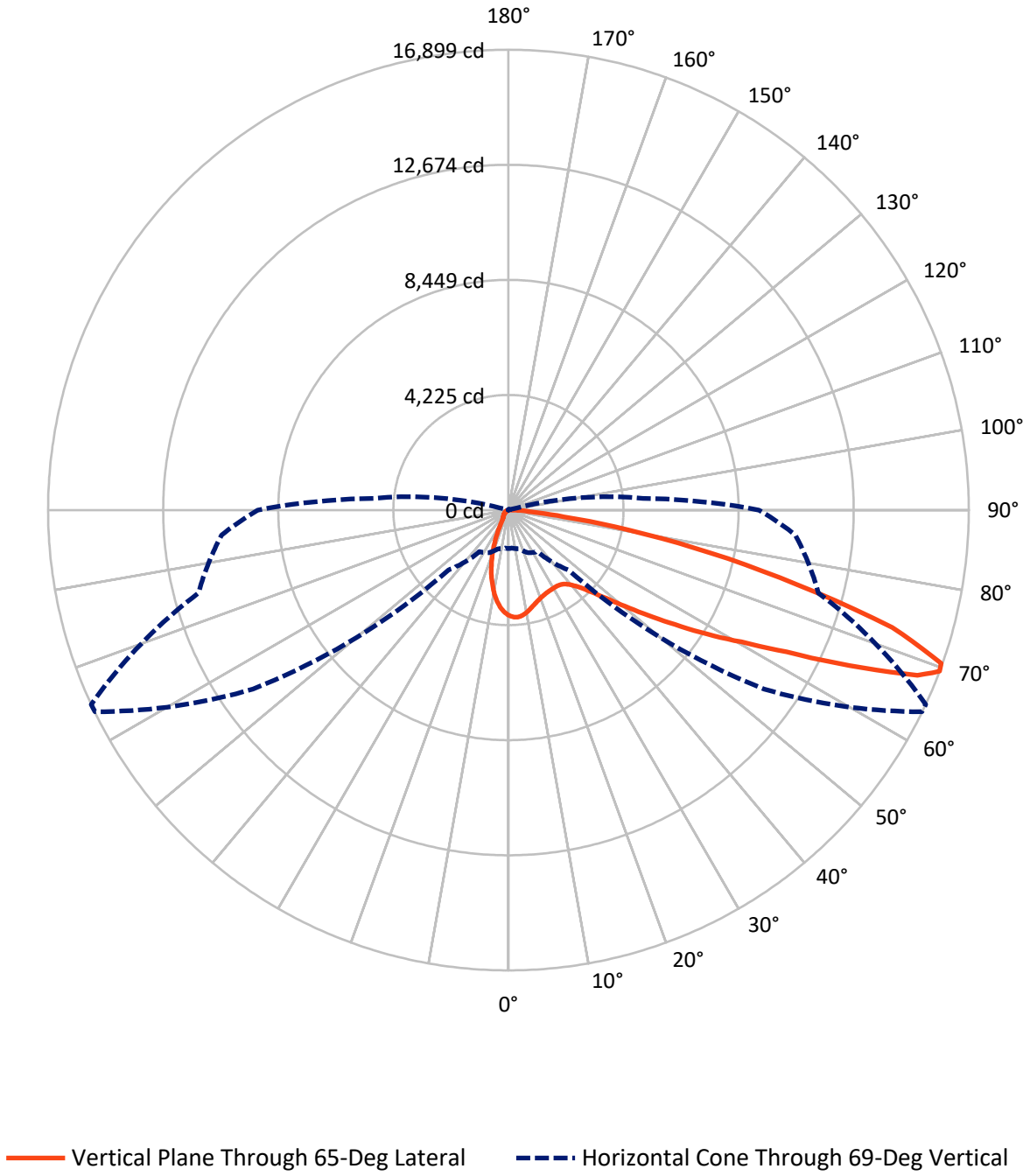
Luminous Intensity Polar Plot



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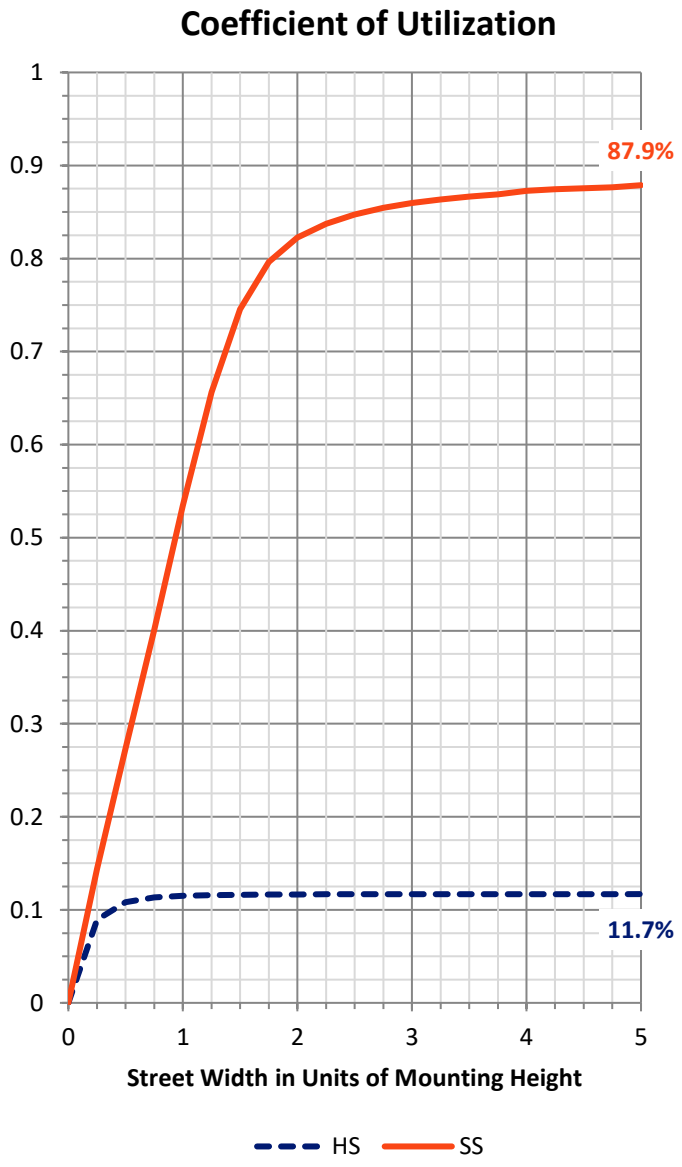
CATALOG NUMBER: GLEON-SA5A-830-U-SL2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1807.2	0.0	1807.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	13523.8	0.0	13523.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	15331.0	0.0	15331.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.0	2.1
10°-20°	709.2	4.6
20°-30°	982.2	6.4
30°-40°	1369.5	8.9
40°-50°	2128.7	13.9
50°-60°	3417.4	22.3
60°-70°	3865.6	25.2
70°-80°	2270.3	14.8
80°-90°	264.1	1.7
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°	15331.0	100.0
0°-180°	15331.0	100.0



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REPORT NUMBER: P323349
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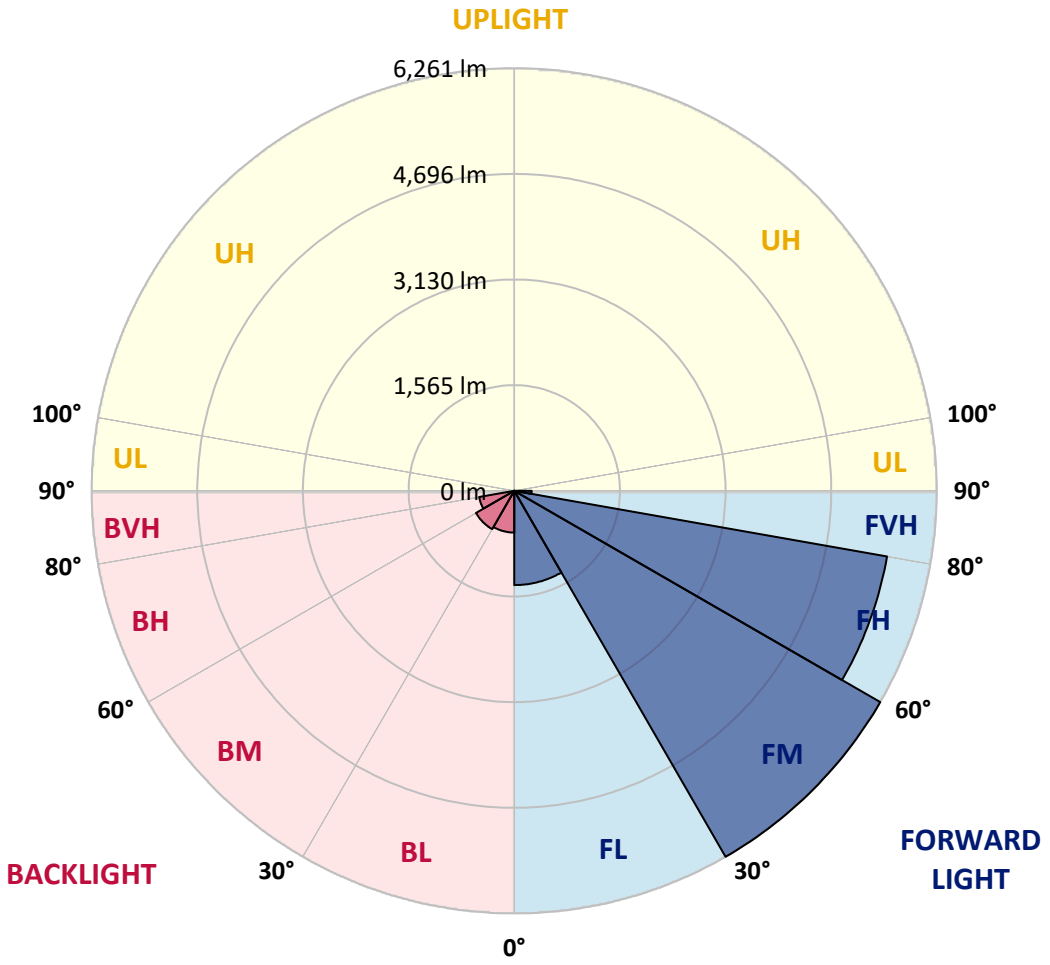
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1397.0	9.1			
FM	(30°-60°)	6260.7	40.8			
FH	(60°-80°)	5607.9	36.6			G3/7500
FVH	(80°-90°)	258.2	1.7			G3/500
BL	(0°-30°)	618.3	4.0	B2/1000		
BM	(30°-60°)	654.9	4.3	B1/1000		
BH	(60°-80°)	528.0	3.4	B2/1000		G2/1000
BVH	(80°-90°)	5.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Medium



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REPORT NUMBER: P323349
CATALOG NUMBER: GLEON-SA5A-830-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	3874.2	3874.2	3874.2	3874.2	3874.2	3874.2	3874.2	3874.2	*3874.2*	3874.2	3874.2
2.5°	3908.6	3898.8	3906.6	3923.5	3931.9	3931.9	3938.4	3930.6	*3933.2*	3914.4	3887.1
5°	3664.0	3649.1	3670.5	3717.8	3776.2	3826.2	3900.1	3939.0	*3942.9*	3943.6	3911.8
7.5°	3400.6	3387.0	3418.8	3474.6	3549.8	3642.6	3771.7	3884.6	*3891.0*	3952.0	3928.7
10°	3186.5	3176.8	3213.8	3273.5	3361.7	3465.5	3623.8	3780.8	*3799.6*	3934.5	3926.1
12.5°	3016.6	3008.8	3043.8	3112.6	3202.7	3317.6	3483.0	3665.3	*3690.6*	3894.9	3913.1
15°	2892.7	2891.4	2920.5	2986.7	3086.6	3193.7	3363.0	3558.2	*3587.4*	3852.1	3911.1
17.5°	2827.8	2829.7	2851.1	2907.6	2993.2	3099.6	3261.8	3468.1	*3499.9*	3813.8	3920.9
20°	2821.3	2823.2	2834.9	2866.7	2936.1	3030.2	3179.4	3392.2	*3425.3*	3785.3	3936.4
22.5°	2878.4	2877.1	2880.3	2877.1	2916.0	2987.4	3124.9	3333.8	*3372.1*	3766.5	3948.8
25°	2988.0	2986.1	2984.8	2960.8	2934.8	2973.1	3102.2	3300.7	*3337.0*	3752.9	3955.9
27.5°	3140.5	3139.2	3137.2	3097.6	3019.8	2995.8	3104.8	3288.4	*3318.9*	3741.8	3954.6
30°	3340.9	3350.0	3347.4	3292.3	3171.0	3065.2	3132.0	3281.9	*3308.5*	3720.4	3941.0
32.5°	3576.4	3594.6	3608.8	3549.8	3398.0	3202.7	3195.0	3289.0	*3308.5*	3704.2	3916.3
35°	3821.0	3844.3	3896.9	3876.1	3676.3	3409.7	3303.3	3331.8	*3348.1*	3713.3	3904.7
37.5°	4061.7	4089.5	4203.7	4264.1	4040.9	3683.4	3472.0	3437.6	*3446.0*	3768.4	3917.6
40°	4341.3	4383.4	4556.6	4653.9	4476.2	4050.0	3724.3	3619.2	*3622.5*	3889.7	3978.0
42.5°	4708.4	4751.9	4939.4	5091.8	4966.6	4513.2	4066.8	3896.9	*3893.6*	4116.8	4120.0
45°	5156.0	5201.5	5395.4	5564.7	5508.3	5062.0	4505.4	4302.3	*4298.4*	4474.9	4389.3
47.5°	5663.3	5708.1	5881.3	6055.8	6116.8	5702.9	5063.9	4855.7	*4846.6*	4972.5	4805.1
50°	6098.6	6127.8	6287.4	6522.3	6797.3	6490.5	5758.7	5558.3	*5548.5*	5633.5	5415.5
52.5°	6256.9	6273.8	6436.0	6764.9	7451.2	7557.0	6671.5	6413.3	*6406.1*	6443.1	6228.4
55°	5936.5	5966.9	6166.1	6653.9	7805.4	8762.3	7823.6	7472.0	*7418.1*	7338.3	7078.2
57.5°	5063.3	5111.9	5326.0	5974.7	7640.0	9718.5	9516.8	8669.5	*8590.4*	8102.5	7769.1
60°	3793.7	3853.4	4031.2	4731.1	6757.1	10059.1	11366.9	10003.9	*9825.6*	8711.0	8404.2
62.5°	2603.3	2633.2	2753.8	3209.9	4976.4	9501.2	12914.8	11791.2	*11465.5*	9372.7	9091.2
65°	1988.3	1998.7	2048.0	2205.0	2963.4	7717.9	13530.4	14149.3	*13755.5*	10164.2	9804.1
67.5°	1602.3	1593.9	1662.0	1886.5	1984.4	4708.4	12812.3	16380.2	*16196.0*	11222.2	10521.6
69°	*1412.9*	*1401.2*	*1470.7*	*1731.4*	*1863.8*	*3112.6*	*11453.8*	*16886.9*	*16898.6*	*11780.8*	*10570.9*
70°	1271.5	1279.3	1348.0	1639.3	1822.9	2443.1	10156.4	16757.8	*16849.9*	11989.7	10275.1
72.5°	849.2	869.9	1008.1	1361.0	1752.8	1848.9	6132.4	14380.2	*14734.4*	11519.4	8815.5
75°	478.8	494.3	658.5	1026.3	1651.6	1760.6	3239.1	10594.3	*10936.8*	9632.9	6798.0
77.5°	234.8	243.3	372.4	662.3	1381.1	1677.6	1837.2	7196.3	*7587.5*	6287.4	3845.0
80°	99.3	103.8	186.2	408.7	987.4	1601.0	1364.3	4428.8	*4477.5*	2463.2	1024.3
82.5°	38.3	39.6	78.5	254.9	627.3	1248.1	1141.1	2099.9	*2049.3*	463.8	233.5
85°	4.5	5.2	28.5	153.1	349.0	642.2	927.0	905.0	*837.5*	92.1	120.0
87.5°	0.0	0.0	1.9	46.7	103.8	301.0	482.0	375.6	*338.6*	29.8	62.3
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: P323349
CATALOG NUMBER: GLEON-SA5A-830-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3874.2	3874.2	3874.2	3874.2	3874.2	3874.2	3874.2	3874.2	3874.2	3874.2	3874.2
2.5°	3864.4	3858.0	3822.9	3772.3	3724.3	3664.6	3607.5	3573.2	3545.9	3527.8	3549.2
5°	3874.8	3846.3	3739.9	3603.7	3470.0	3319.5	3179.4	3060.7	3014.0	2962.1	2985.4
7.5°	3871.6	3817.7	3626.4	3383.7	3138.5	2884.9	2644.8	2460.0	2363.9	2269.9	2293.9
10°	3855.4	3764.5	3474.6	3115.2	2748.0	2383.4	2042.8	1784.0	1639.3	1508.3	1527.1
12.5°	3819.7	3693.2	3295.5	2807.7	2316.6	1835.9	1436.9	1105.4	927.7	849.2	858.9
15°	3798.3	3623.8	3106.1	2496.3	1856.0	1278.6	878.4	653.3	572.2	546.2	549.5
17.5°	3787.9	3556.9	2910.2	2140.1	1385.0	814.1	567.6	500.8	483.3	478.8	480.1
20°	3777.5	3489.5	2708.4	1787.9	954.3	547.5	466.4	447.0	440.5	434.6	435.9
22.5°	3760.0	3424.6	2491.7	1431.1	643.5	444.4	420.4	401.6	387.9	380.8	382.1
25°	3738.6	3356.5	2270.5	1065.9	469.7	396.4	373.7	347.1	330.8	317.9	318.5
27.5°	3704.2	3272.8	2042.2	775.9	394.4	354.9	324.4	295.2	267.9	253.0	253.0
30°	3656.2	3178.1	1788.5	555.3	353.6	314.0	277.0	240.7	211.5	197.9	196.6
32.5°	3603.0	3079.5	1532.3	421.0	321.1	275.7	233.5	195.3	169.3	158.3	157.6
35°	3557.6	2973.1	1276.7	352.9	288.7	238.7	192.7	160.2	139.5	130.4	129.7
37.5°	3528.4	2866.7	1027.6	315.3	259.5	204.3	161.5	132.3	117.4	110.3	109.6
40°	3523.9	2787.6	799.9	286.7	232.2	173.9	134.9	112.2	98.6	90.8	90.2
42.5°	3582.9	2742.1	613.7	262.7	204.3	147.3	114.8	96.0	81.7	74.0	73.3
45°	3737.9	2756.4	472.3	241.3	176.5	124.6	97.3	79.8	66.8	61.0	59.7
47.5°	4020.8	2855.0	375.6	219.9	149.9	105.7	83.0	66.2	55.1	49.3	48.7
50°	4524.2	3086.6	314.0	196.6	125.2	90.2	68.8	53.8	44.8	39.6	38.9
52.5°	5192.4	3499.2	280.2	173.9	103.8	76.5	56.4	42.8	35.0	31.1	30.5
55°	5929.3	3998.7	258.2	149.2	85.0	63.6	44.8	33.7	27.2	24.0	22.7
57.5°	6648.8	4431.4	237.4	125.2	70.7	51.9	35.7	26.6	21.4	18.2	17.5
60°	7309.8	4829.1	213.4	100.6	57.7	40.9	27.9	20.8	16.9	13.6	13.6
62.5°	8017.6	5136.6	180.3	78.5	47.4	31.1	22.7	18.8	13.6	11.7	11.0
65°	8767.5	5364.9	141.4	61.0	37.0	23.4	18.8	19.5	11.0	8.4	7.8
67.5°	9321.5	5319.5	104.4	48.0	28.5	18.2	18.2	20.8	9.7	6.5	5.8
69°	*9199.5*	*4950.4*	*87.6*	*41.5*	*24.7*	*15.6*	*16.9*	*20.8*	*9.1*	*5.8*	*5.2*
70°	8846.0	4541.7	77.2	37.0	22.1	14.3	16.2	20.1	8.4	5.8	5.2
72.5°	7366.9	3420.7	60.3	27.9	17.5	11.7	13.6	17.5	8.4	5.8	4.5
75°	5541.4	2189.4	46.1	20.1	13.0	9.1	10.4	13.0	8.4	5.2	4.5
77.5°	3015.3	789.5	33.1	13.6	9.1	7.1	7.1	9.7	7.8	3.9	2.6
80°	775.2	198.5	20.8	9.1	7.1	5.2	4.5	6.5	4.5	0.6	0.0
82.5°	191.4	44.8	11.0	6.5	5.2	1.9	1.9	3.2	1.9	0.0	0.0
85°	105.1	22.1	7.1	4.5	2.6	0.0	0.0	0.6	0.0	0.0	0.0
87.5°	53.8	6.5	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

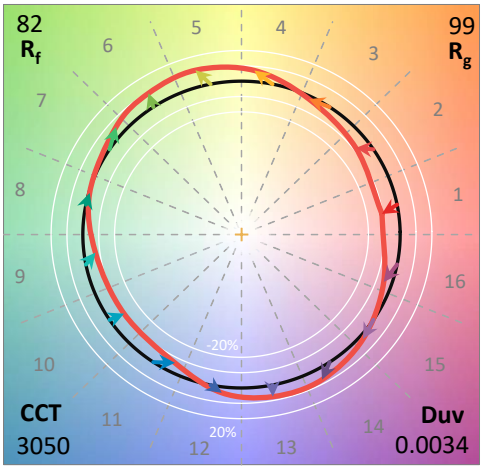
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

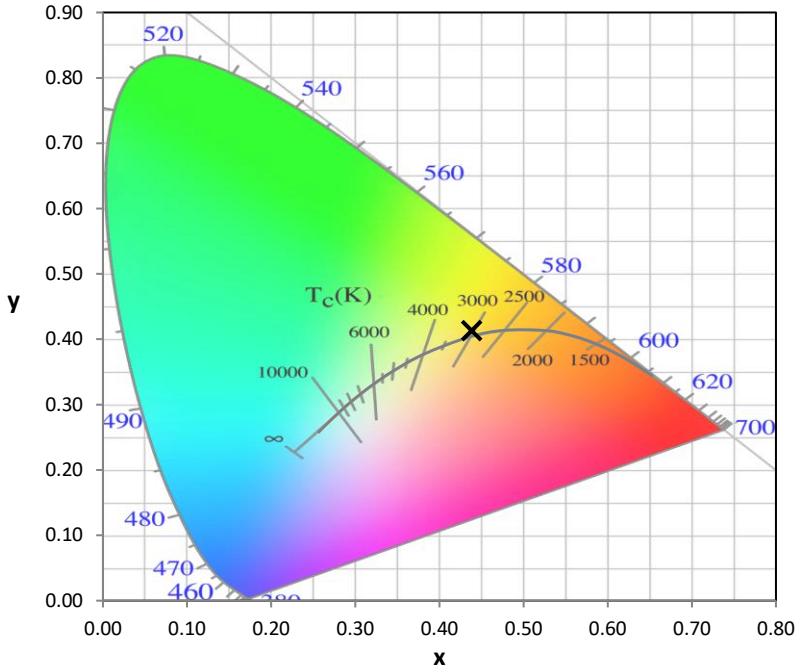
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

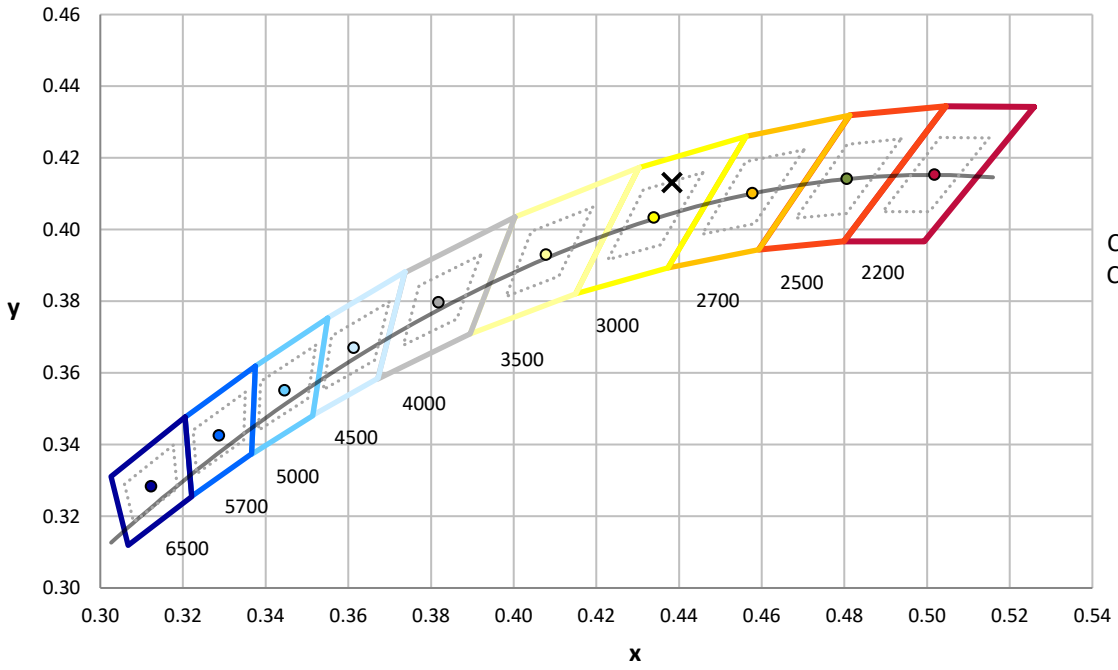
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

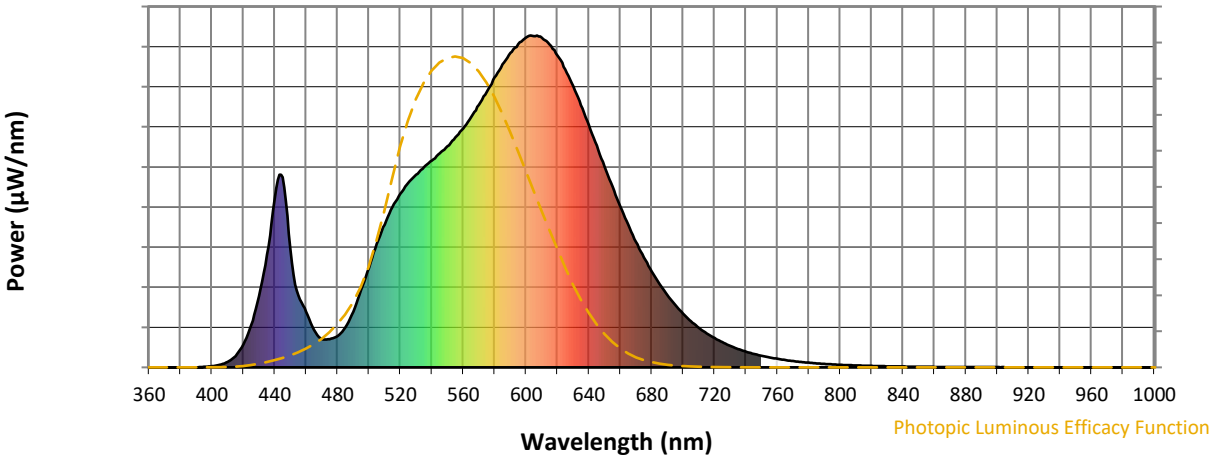


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

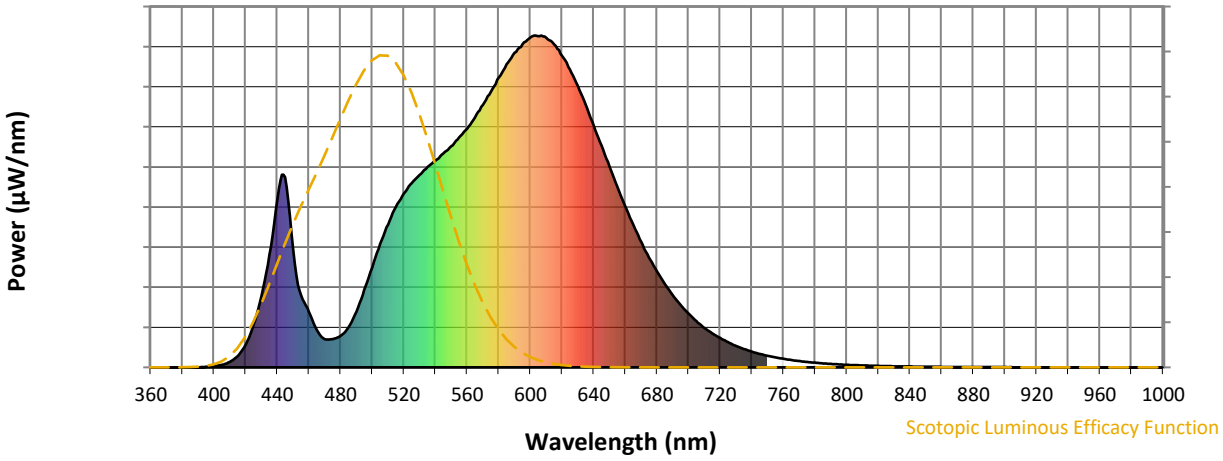


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

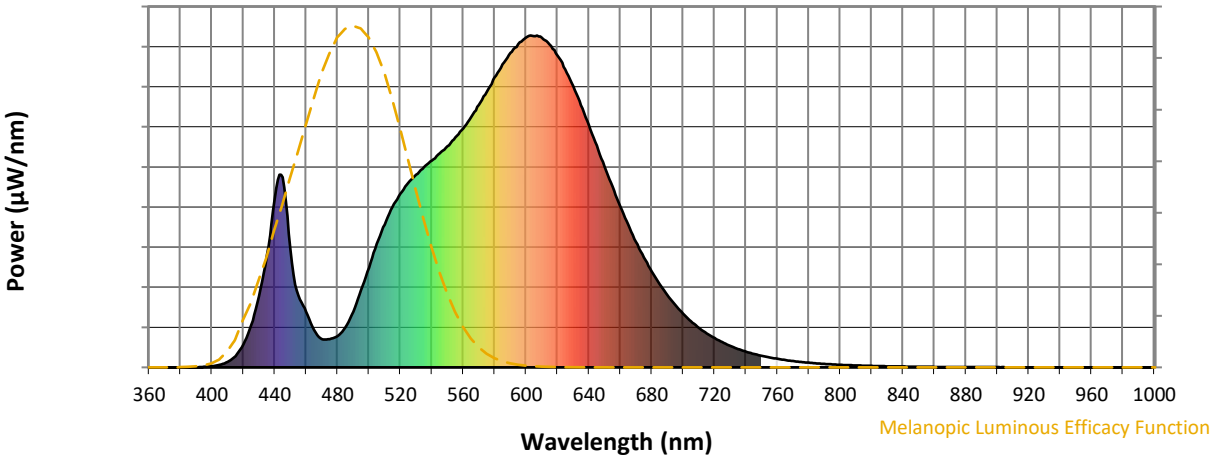


Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

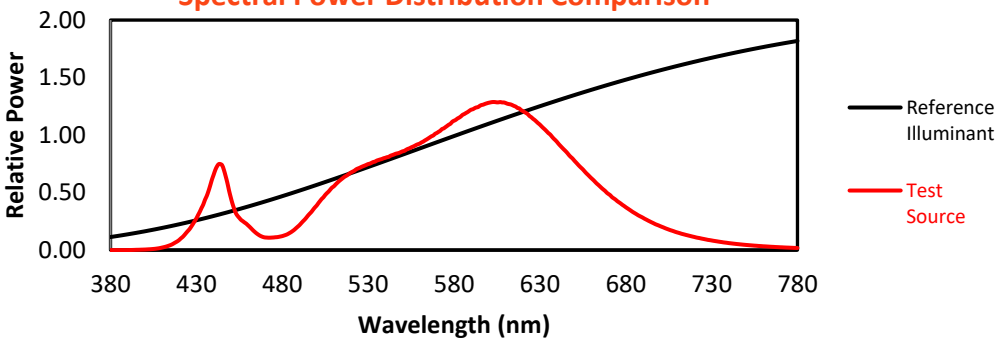
REPORT NUMBER: SP1-2408-195-9

TM-30-18

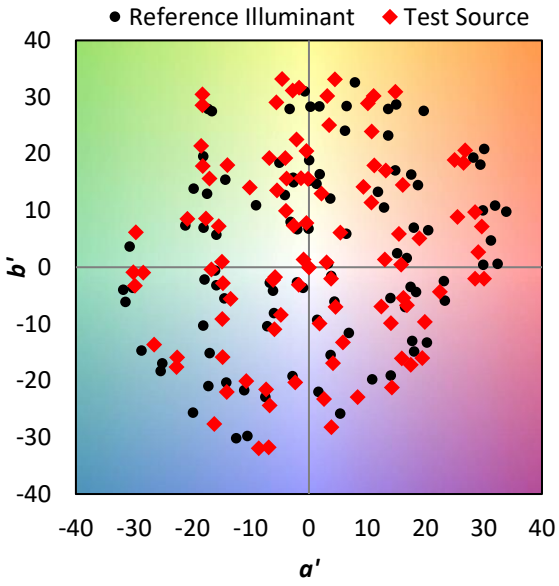
Summary

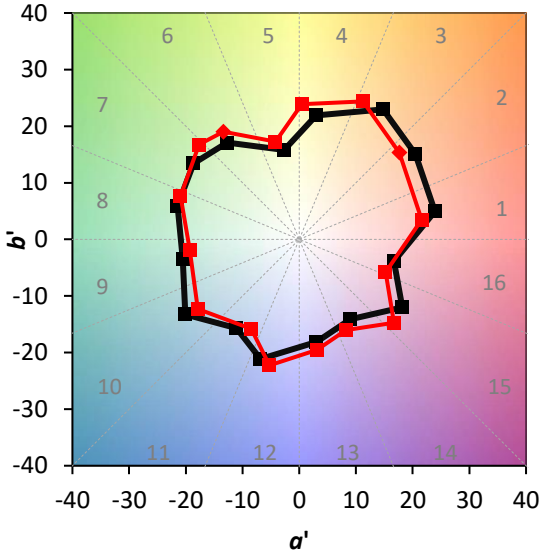
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

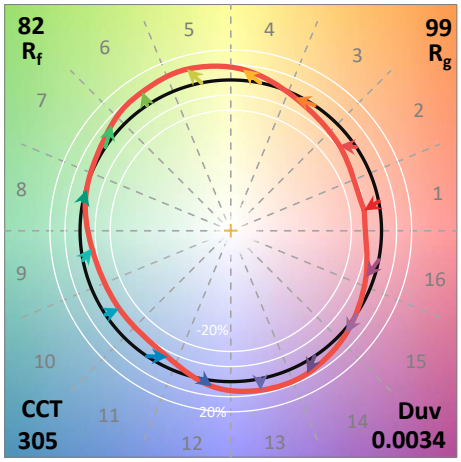
Spectral Power Distribution Comparison

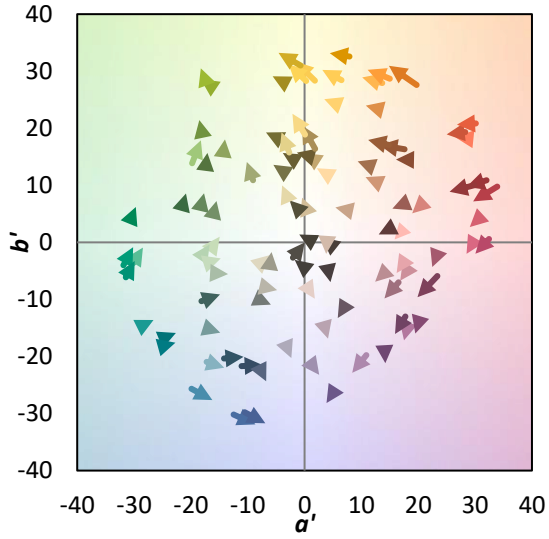


Color Vector Graphics







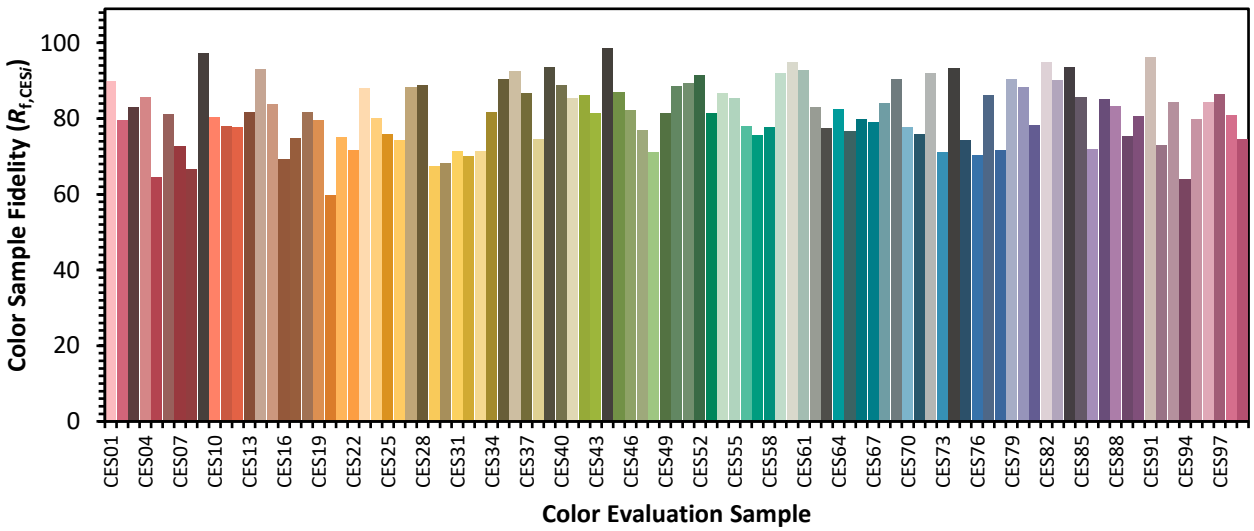


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

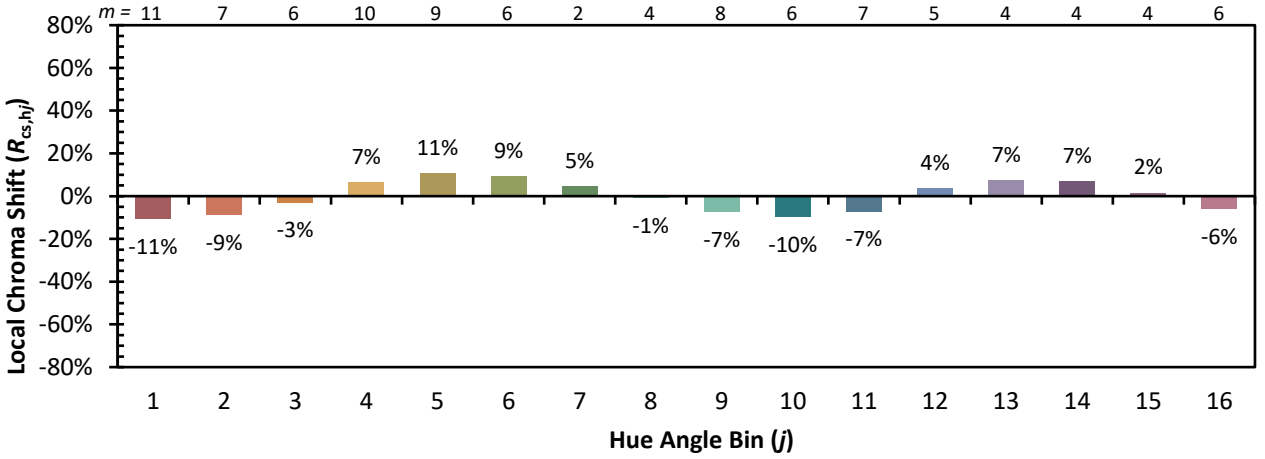
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

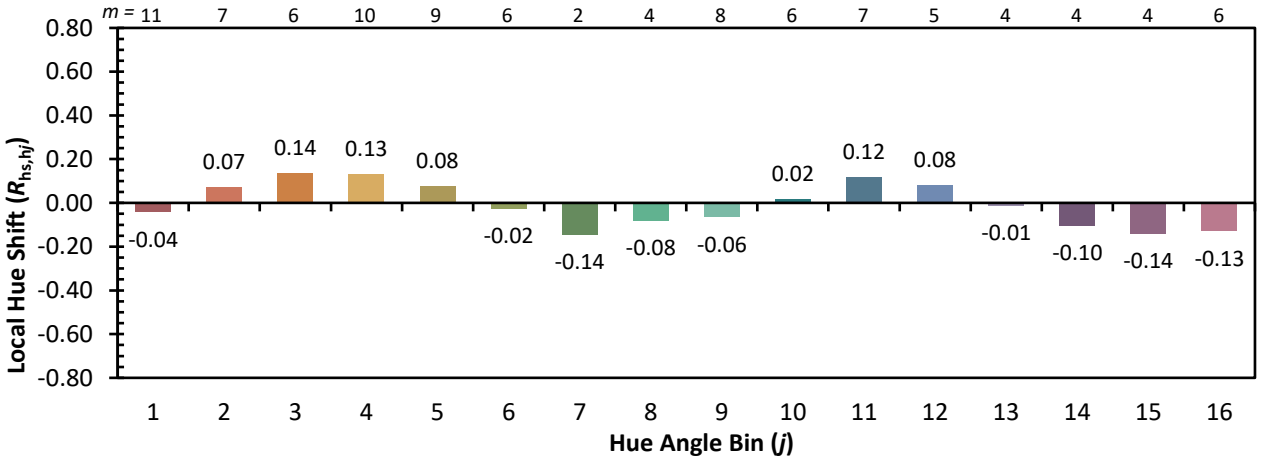


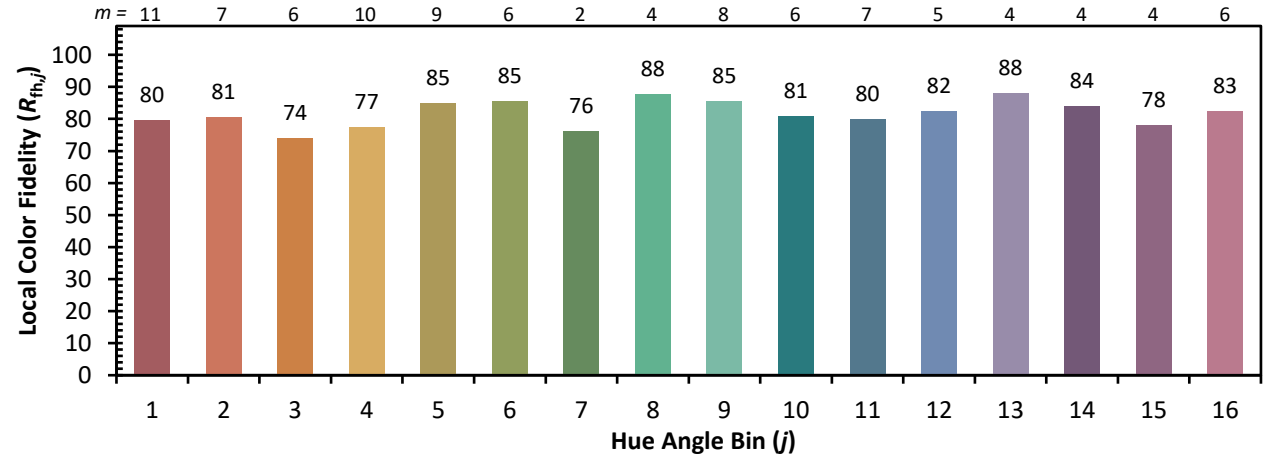
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



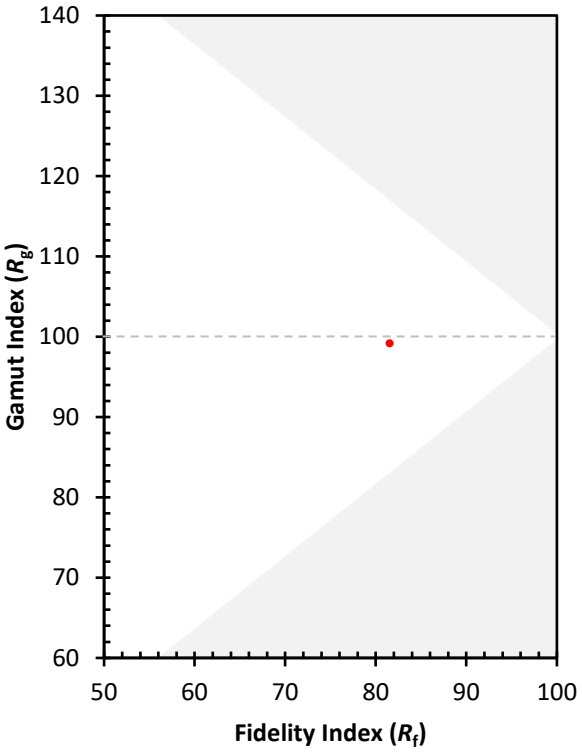


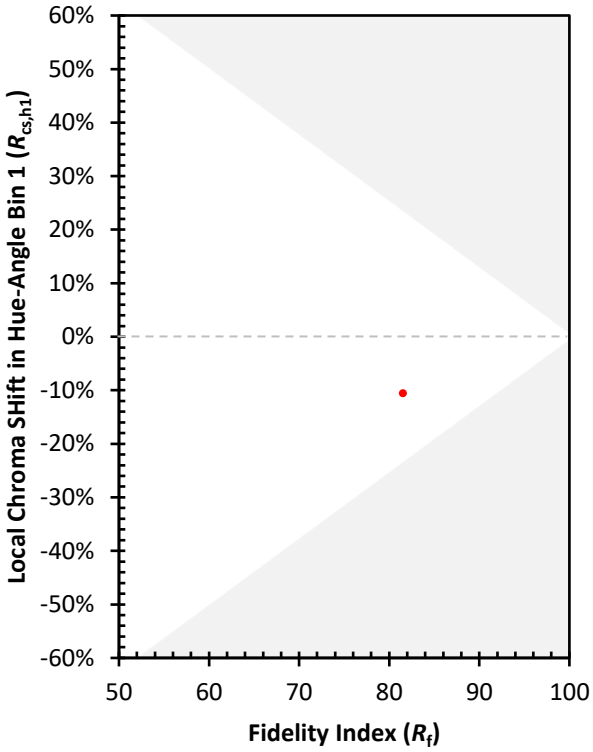


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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