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: P323049

Luminaire Tested: **GLEON-SA5C-830-U-T4W-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:	P323049
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5C-830-U-T4W-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20361 lumens
Efficiency:	N/A
Efficacy:	73.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G4

Input Watts (W):	279
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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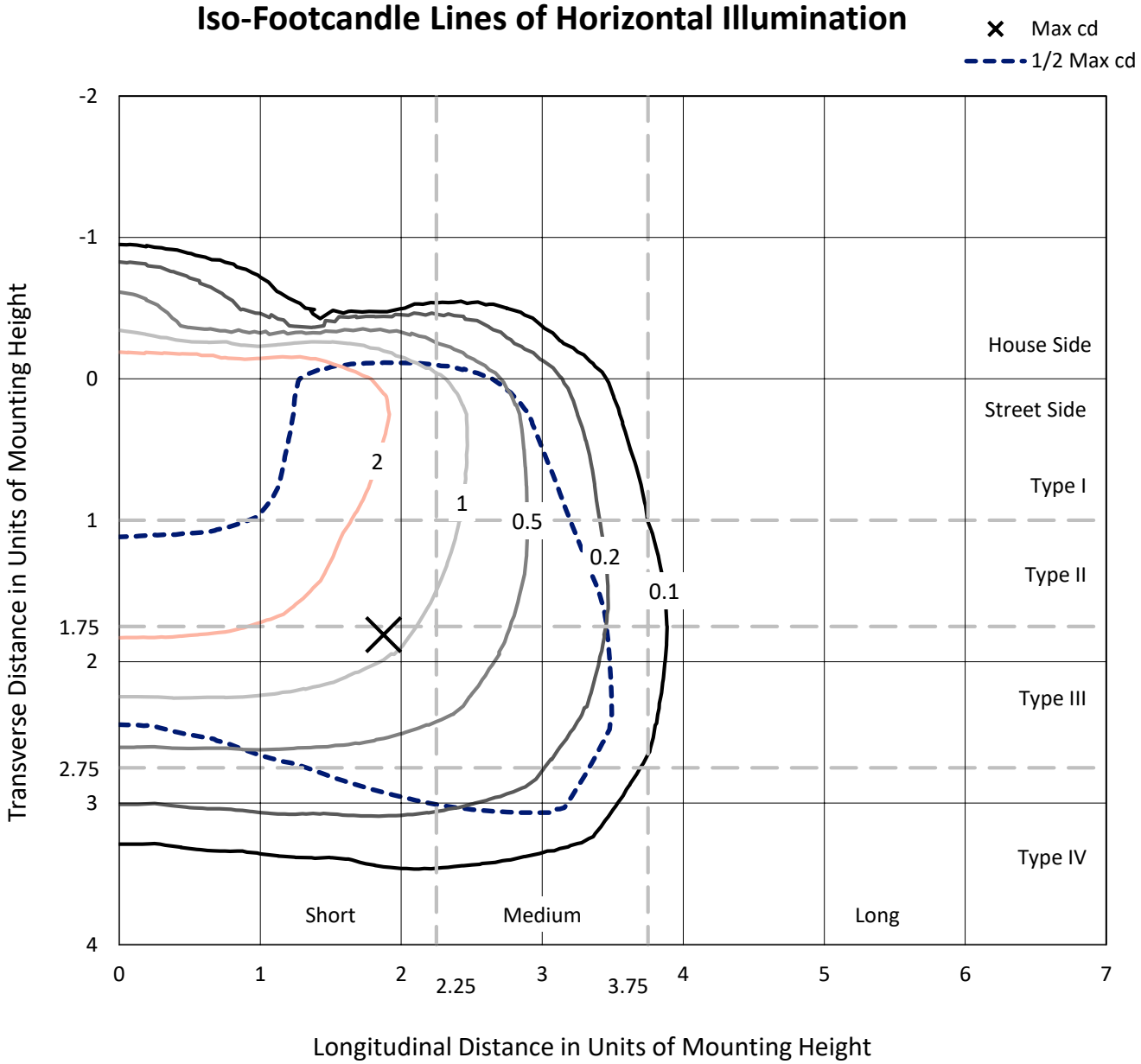
Scaled Data Report

REPORT NUMBER: P323049
CATALOG NUMBER: GLEON-SA5C-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



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

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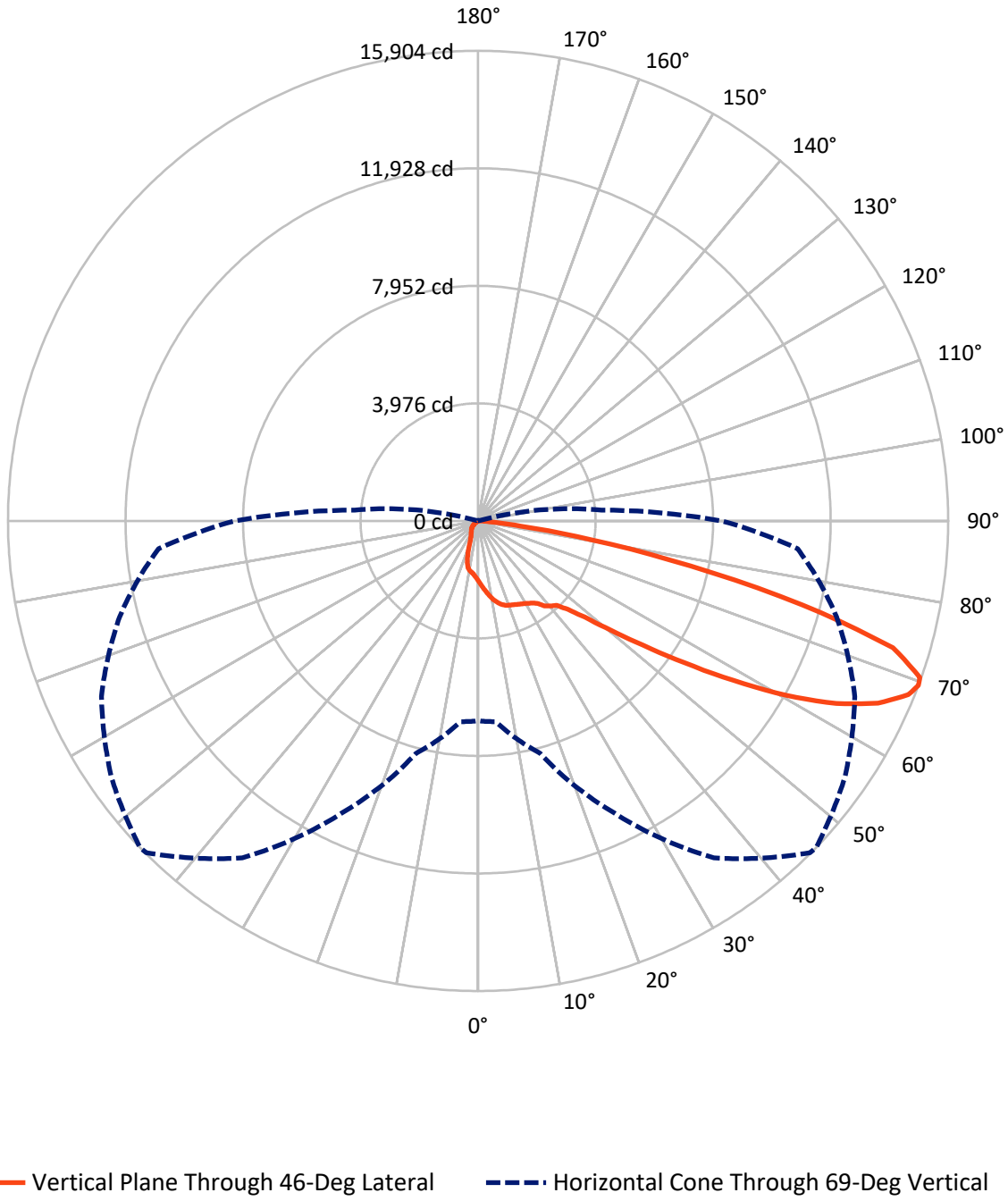
Luminous Intensity Polar Plot



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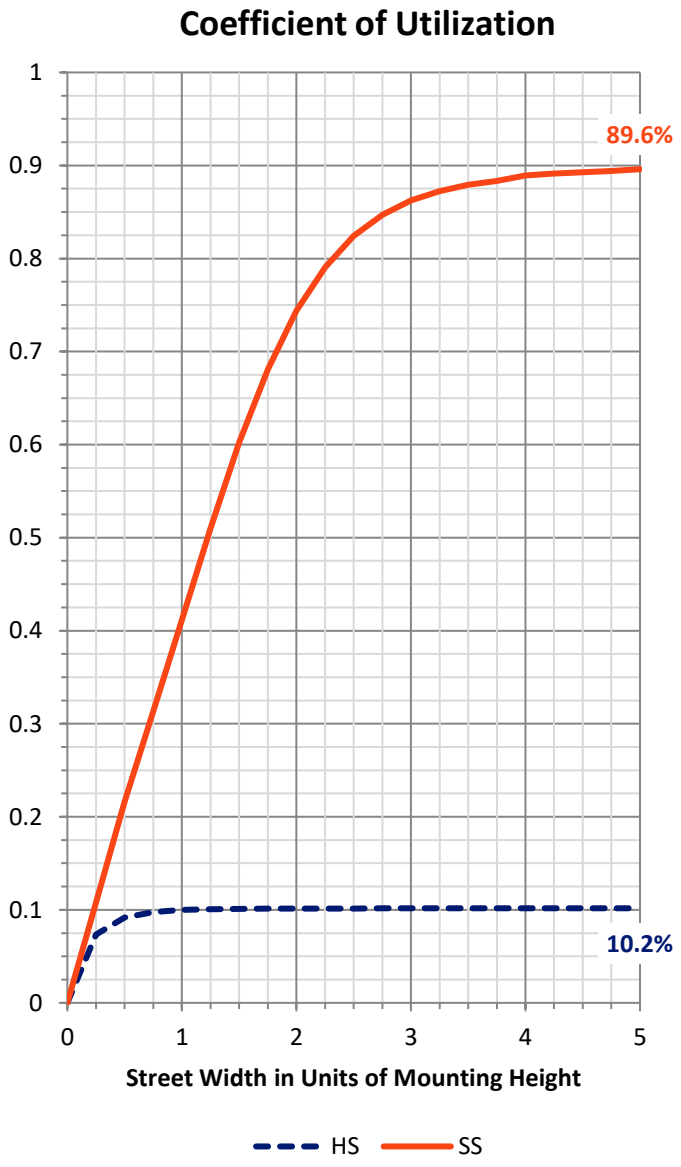
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2089.6	0.0	2089.6
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	18271.4	0.0	18271.4
	% Fixture	89.7	0.0	89.7
Total	Lumens	20361.0	0.0	20361.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.1	1.0
10°-20°	616.0	3.0
20°-30°	968.8	4.8
30°-40°	1389.3	6.8
40°-50°	2401.2	11.8
50°-60°	4743.8	23.3
60°-70°	6629.9	32.6
70°-80°	3203.0	15.7
80°-90°	205.9	1.0
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°	20361.0	100.0
0°-180°	20361.0	100.0



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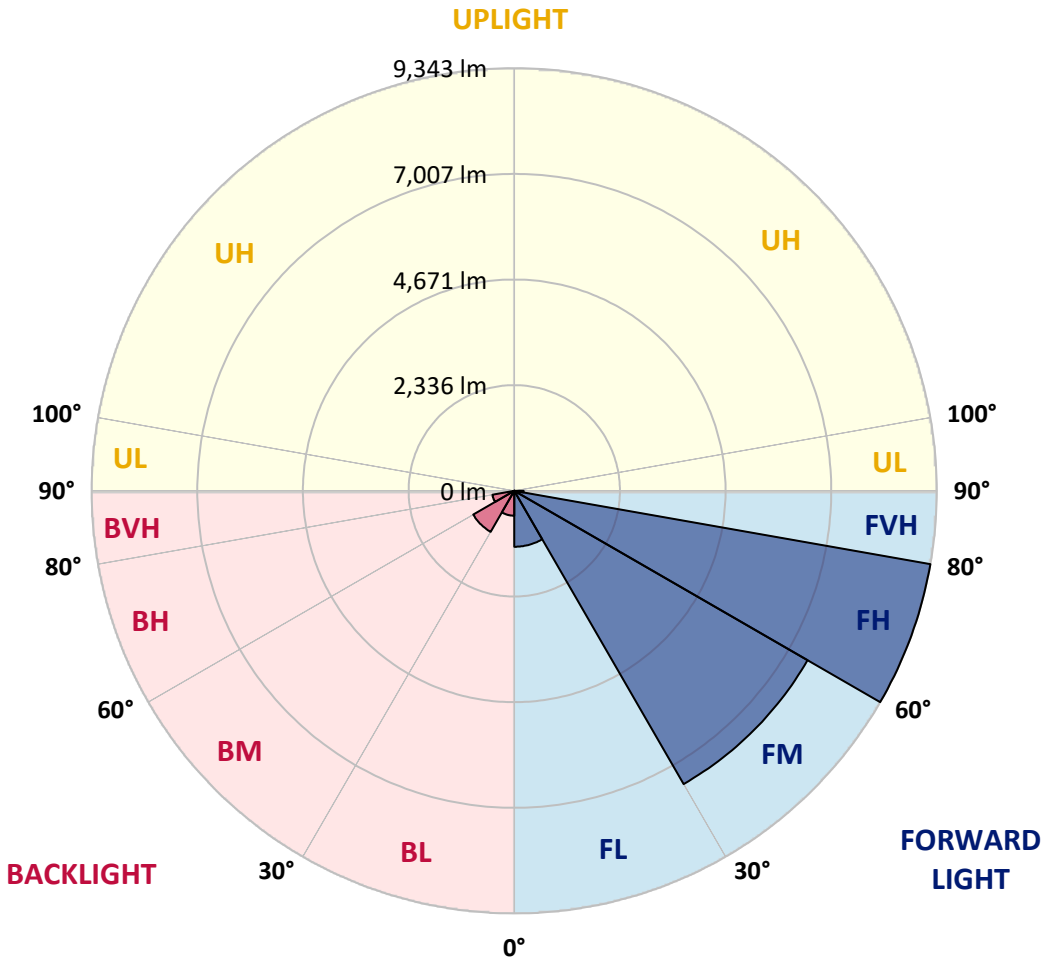
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1237.2	6.1			
FM	(30°-60°)	7487.2	36.8			
FH	(60°-80°)	9342.9	45.9			G4/12000
FVH	(80°-90°)	204.1	1.0			G2/225
BL	(0°-30°)	550.7	2.7	B2/1000		
BM	(30°-60°)	1047.1	5.1	B2/2500		
BH	(60°-80°)	490.0	2.4	B1/500		G1/500
BVH	(80°-90°)	1.7	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-G4
Type IV Short



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REPORT NUMBER: P323049
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2040.1	2040.1	2040.1	2040.1	2040.1	2040.1	*2040.1*	2040.1	2040.1	2040.1	2040.1
2.5°	2266.3	2263.5	2250.1	2244.4	2211.9	2192.8	*2185.2*	2161.3	2127.0	2092.6	2054.4
5°	2524.1	2523.2	2498.3	2474.5	2413.4	2356.1	*2345.6*	2290.2	2212.9	2140.3	2067.8
7.5°	2787.6	2775.2	2750.4	2704.5	2615.8	2524.1	*2515.5*	2437.2	2327.4	2222.4	2118.4
10°	3011.0	3003.3	2970.9	2901.2	2797.1	2693.1	*2682.6*	2586.2	2462.1	2333.2	2200.5
12.5°	3184.7	3179.0	3136.0	3049.2	2938.4	2830.5	*2816.2*	2730.3	2597.6	2453.5	2296.9
15°	3290.7	3287.8	3235.3	3142.7	3033.9	2940.3	*2927.9*	2852.5	2729.4	2578.5	2401.9
17.5°	3315.5	3316.5	3262.1	3168.5	3078.8	3011.9	*3002.4*	2945.1	2842.0	2692.1	2506.9
20°	3260.1	3271.6	3222.9	3141.8	3086.4	3051.1	*3043.4*	3009.1	2922.2	2780.9	2590.9
22.5°	3181.9	3187.6	3154.2	3099.8	3076.9	3083.5	*3079.7*	3060.6	2987.1	2857.3	2674.0
25°	3134.1	3134.1	3114.1	3068.3	3083.5	3124.6	*3125.5*	3121.7	3063.5	2950.8	2775.2
27.5°	3132.2	3126.5	3103.6	3069.2	3111.2	3174.2	*3178.0*	3203.8	3167.5	3064.4	2901.2
30°	3208.6	3201.9	3153.2	3108.4	3161.8	3229.6	*3239.1*	3295.5	3277.3	3187.6	3041.5
32.5°	3387.1	3363.2	3255.4	3181.9	3222.0	3303.1	*3315.5*	3405.3	3433.9	3339.4	3177.1
35°	3631.5	3556.1	3400.5	3321.2	3325.1	3410.0	*3421.5*	3553.2	3638.2	3478.8	3282.1
37.5°	3968.5	3931.3	3678.3	3466.3	3483.5	3612.4	*3645.8*	3789.0	3765.2	3555.1	3401.4
40°	4707.4	4649.2	4380.0	3873.0	3635.3	3776.6	*3787.1*	3863.5	3865.4	3727.9	3649.6
42.5°	5713.6	5689.7	5406.2	4611.0	3934.1	3886.4	*3905.5*	4034.4	4178.5	4092.6	4088.8
45°	6827.7	6815.3	6514.6	5590.5	4538.4	4246.3	*4270.2*	4443.0	4718.9	4737.9	4859.2
47.5°	7724.1	7718.4	7545.6	6683.5	5463.5	4856.3	*4864.0*	5047.3	5532.2	5771.8	5965.6
50°	8541.3	8569.0	8432.5	7866.4	6723.6	5811.9	*5793.8*	5916.0	6695.0	7087.4	7327.9
52.5°	9677.3	9716.5	9333.7	8969.9	8045.8	6997.6	*6983.3*	7111.2	8092.6	8386.6	8429.6
55°	10680.7	10613.8	10311.2	10206.2	9658.2	8462.1	*8458.2*	8570.9	9444.4	9569.5	9648.7
57.5°	11123.6	11097.9	11243.9	11484.5	11347.0	10192.8	*10184.3*	10098.3	10653.9	10667.3	10910.7
60°	11403.3	11434.8	11882.6	12624.3	12967.1	12055.4	*12000.0*	11475.9	11809.1	11779.5	12040.1
62.5°	11193.3	11255.4	12061.1	13297.4	14179.5	13681.1	*13602.9*	12738.0	12796.2	12694.0	12936.5
65°	10078.3	10174.7	11495.0	13170.4	14780.9	14951.8	*14872.6*	13852.0	13580.0	13411.9	13277.3
67.5°	8183.3	8240.6	9619.1	12065.9	14509.8	15709.8	*15693.6*	14828.6	14171.8	13290.7	12246.3
69°	*6762.8*	*6819.1*	*8146.1*	*10903.1*	*13913.1*	*15872.1*	*15903.6*	*15141.8*	*14059.2*	*12553.7*	*10850.6*
70°	5727.9	5788.1	7024.3	9906.4	13221.0	15796.7	*15853.0*	15112.2	13736.5	11700.2	9625.8
72.5°	3004.3	3055.8	4324.6	6824.8	10778.0	14505.0	*14675.9*	13834.8	11643.9	8497.4	5691.6
75°	944.2	973.7	1688.8	3567.5	7379.5	11278.3	*11317.4*	10852.5	8268.3	4674.0	2370.4
77.5°	359.9	351.3	562.3	1314.6	3730.8	7101.7	*7341.3*	6781.9	4338.9	1652.5	547.0
80°	193.8	194.7	292.1	544.2	1596.2	3649.6	*3852.0*	3286.9	1541.8	515.5	126.0
82.5°	84.0	87.8	164.2	288.3	733.2	1346.1	*1447.3*	1204.8	589.0	346.5	46.8
85°	18.1	20.0	79.2	156.6	298.8	378.0	*396.2*	390.5	375.2	269.2	18.1
87.5°	0.0	0.0	35.3	56.3	75.4	85.9	*75.4*	98.3	207.2	181.4	9.5
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: P323049
CATALOG NUMBER: GLEON-SA5C-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2040.1	2040.1	2040.1	2040.1	2040.1	2040.1	2040.1	2040.1	2040.1	2040.1	2040.1
2.5°	2042.0	2024.8	1995.2	1962.8	1939.9	1916.0	1896.9	1888.3	1878.8	1872.1	1880.7
5°	2038.2	2004.8	1947.5	1892.1	1852.0	1819.6	1792.8	1782.3	1771.8	1764.2	1763.2
7.5°	2071.6	2024.8	1937.0	1855.8	1793.8	1749.9	1713.6	1698.3	1685.9	1680.2	1675.4
10°	2135.6	2075.4	1958.0	1852.0	1771.8	1697.4	1619.1	1559.0	1519.8	1501.7	1495.0
12.5°	2218.6	2143.2	1998.1	1872.1	1755.6	1612.4	1446.3	1303.1	1210.5	1180.0	1161.8
15°	2316.0	2222.4	2050.6	1897.9	1696.4	1434.8	1153.2	966.1	880.2	863.0	843.9
17.5°	2409.5	2306.4	2113.6	1902.6	1566.6	1146.5	844.9	717.9	684.5	695.9	698.8
20°	2491.6	2389.5	2175.7	1860.6	1330.8	860.1	653.9	622.4	634.8	656.8	660.6
22.5°	2574.7	2469.7	2232.9	1749.9	1029.1	653.0	589.0	596.7	609.1	631.0	634.8
25°	2675.9	2567.1	2286.4	1546.5	772.3	555.6	559.4	570.9	583.3	603.3	605.3
27.5°	2792.4	2690.2	2321.7	1282.1	572.8	510.7	523.2	540.3	552.7	571.8	575.7
30°	2947.0	2852.5	2333.2	1008.1	480.2	470.6	476.4	497.4	515.5	532.7	535.6
32.5°	3092.1	3012.9	2295.0	760.9	444.9	433.4	433.4	445.8	466.8	483.1	486.9
35°	3225.8	3174.2	2172.8	556.6	418.1	399.0	389.5	389.5	402.9	416.2	420.0
37.5°	3402.4	3400.5	1975.2	443.9	392.4	370.4	350.4	335.1	330.3	333.2	335.1
40°	3705.0	3707.9	1717.4	398.1	370.4	340.8	310.3	282.6	256.8	248.2	247.3
42.5°	4177.6	4134.6	1447.3	376.1	351.3	310.3	264.4	227.2	187.1	174.7	173.7
45°	4927.9	4673.0	1160.9	356.1	331.3	275.9	218.6	168.0	135.6	126.0	126.0
47.5°	6021.0	5380.4	899.3	334.1	304.5	236.8	165.2	121.2	99.3	94.5	95.5
50°	7151.3	6073.5	689.3	306.4	272.1	195.7	122.2	87.8	75.4	75.4	76.4
52.5°	8153.7	6581.4	537.5	276.8	232.0	153.7	92.6	68.7	63.0	62.1	63.0
55°	9092.1	6908.8	411.5	242.5	184.2	114.6	70.6	56.3	52.5	50.6	49.6
57.5°	9997.1	7071.1	308.4	195.7	133.7	83.1	56.3	47.7	43.9	41.1	40.1
60°	10599.5	6939.4	211.9	144.2	92.6	60.1	46.8	41.1	36.3	33.4	32.5
62.5°	10939.4	6579.5	136.5	104.1	65.9	44.9	37.2	34.4	27.7	24.8	24.8
65°	10801.9	5985.7	95.5	74.5	47.7	33.4	27.7	27.7	20.0	16.2	15.3
67.5°	9572.3	5056.8	72.6	55.4	34.4	24.8	21.0	23.9	12.4	7.6	7.6
69°	*8235.8*	*4190.9*	*62.1*	*45.8*	*28.6*	*20.0*	*18.1*	*22.0*	*8.6*	*5.7*	*4.8*
70°	7158.0	3615.3	56.3	40.1	23.9	17.2	16.2	21.0	8.6	4.8	3.8
72.5°	4282.6	2016.2	43.0	28.6	15.3	13.4	13.4	23.9	8.6	4.8	3.8
75°	1730.8	710.3	31.5	20.0	11.5	11.5	16.2	30.5	7.6	3.8	2.9
77.5°	392.4	155.6	18.1	12.4	7.6	11.5	19.1	23.9	4.8	1.9	0.0
80°	95.5	38.2	11.5	7.6	4.8	8.6	14.3	13.4	1.0	0.0	0.0
82.5°	31.5	13.4	4.8	3.8	1.0	2.9	6.7	3.8	0.0	0.0	0.0
85°	13.4	7.6	1.9	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
87.5°	8.6	2.9	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

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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

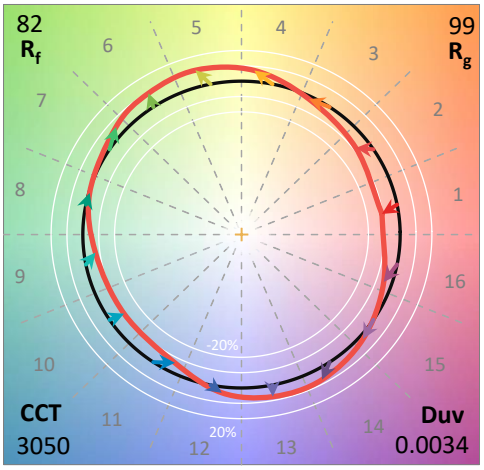
Test Information

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

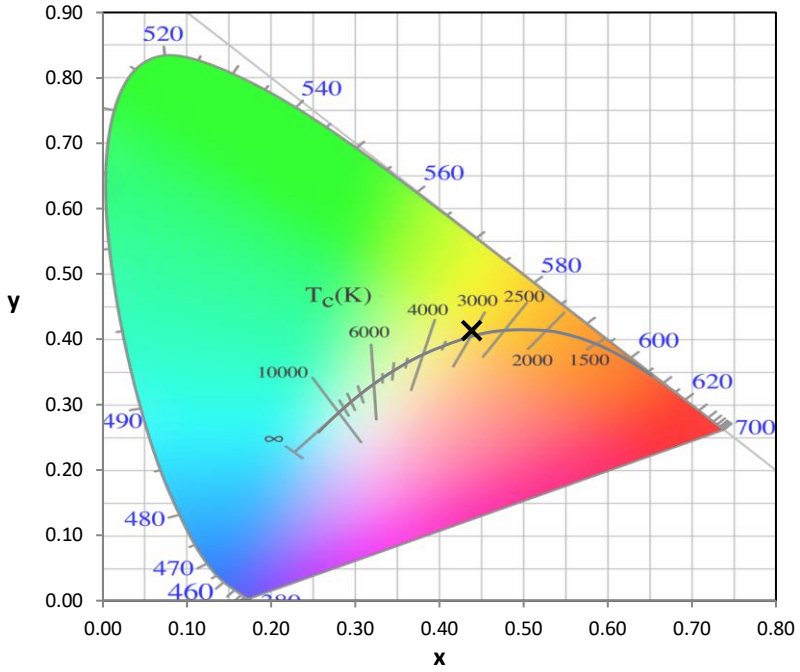
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

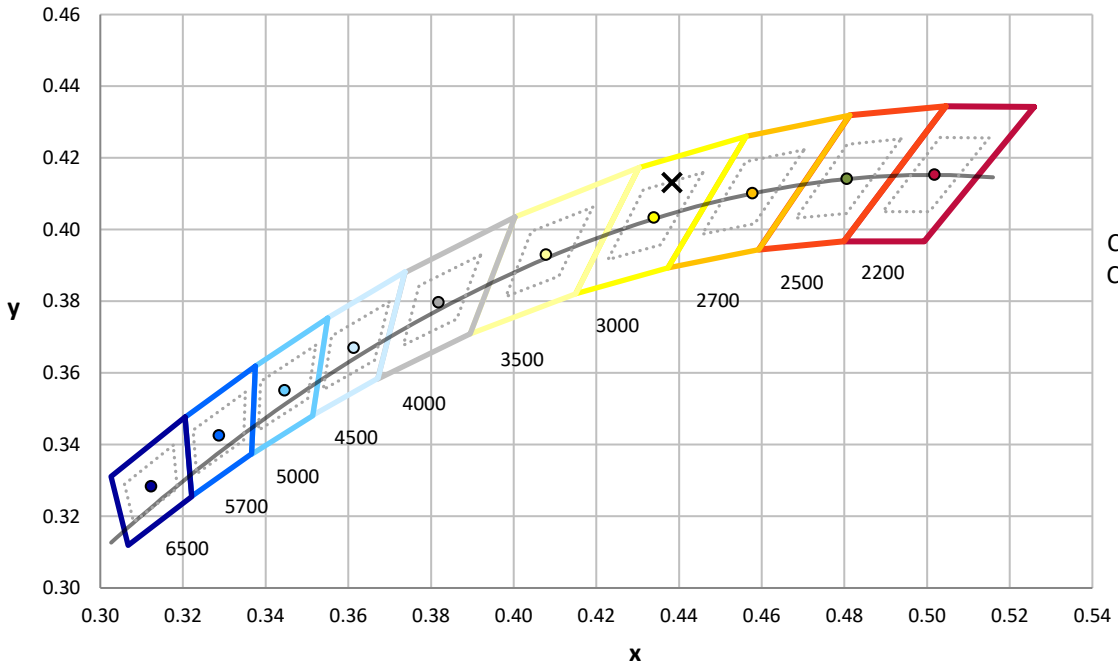
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

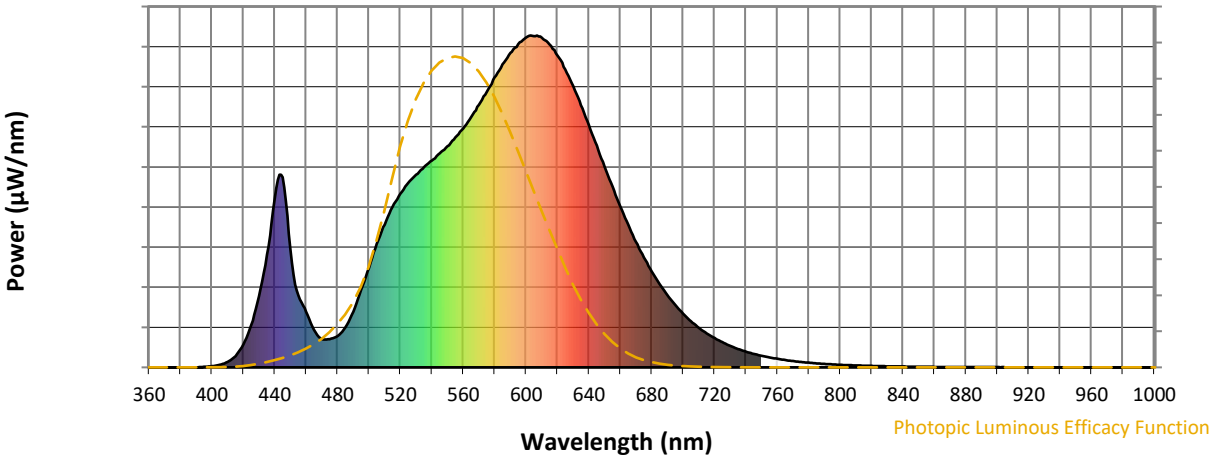


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

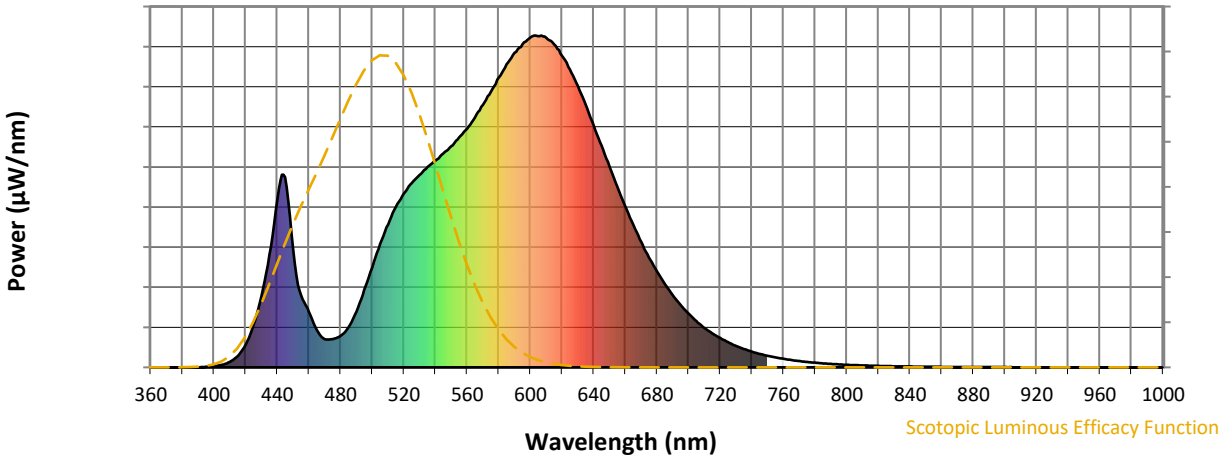


Photopic Lumens: NR

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

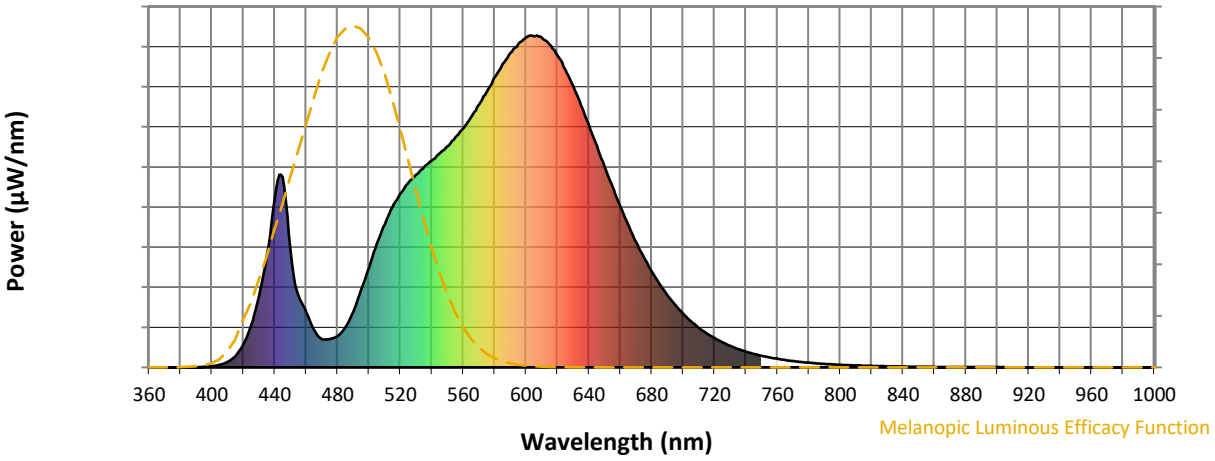


Scotopic Lumens: NR **S/P: 1.27**

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			

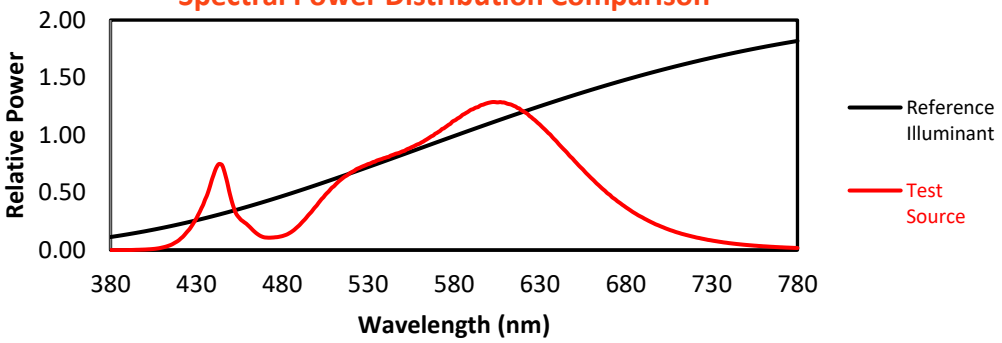
REPORT NUMBER: SP1-2408-195-9

TM-30-18

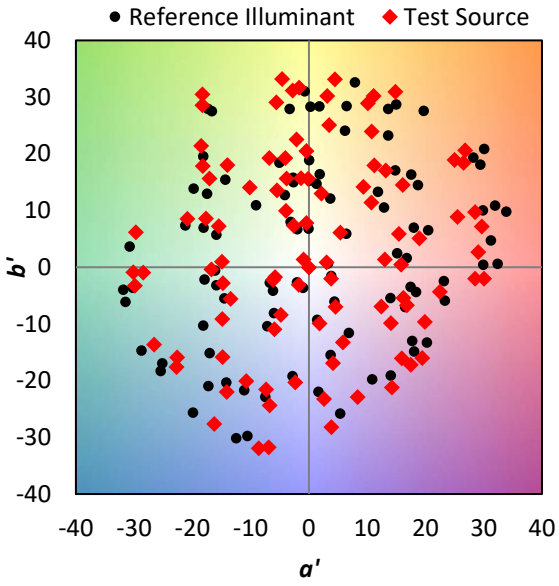
Summary

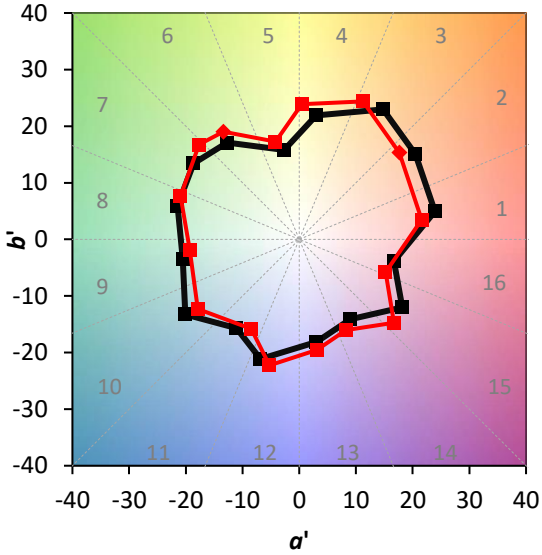
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

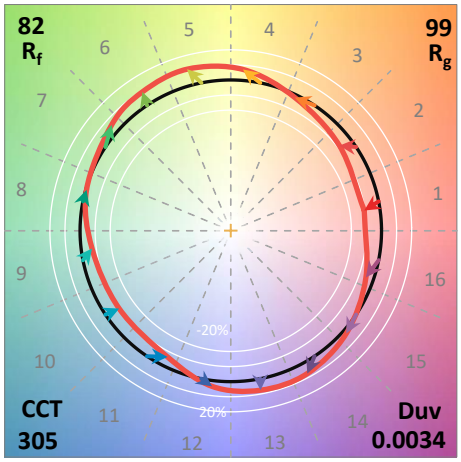
Spectral Power Distribution Comparison

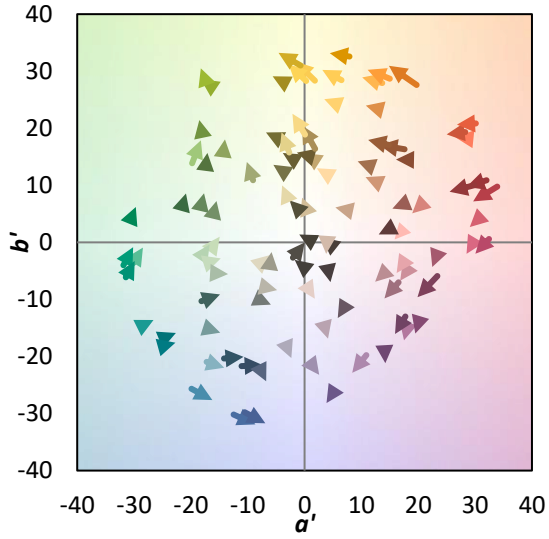


Color Vector Graphics







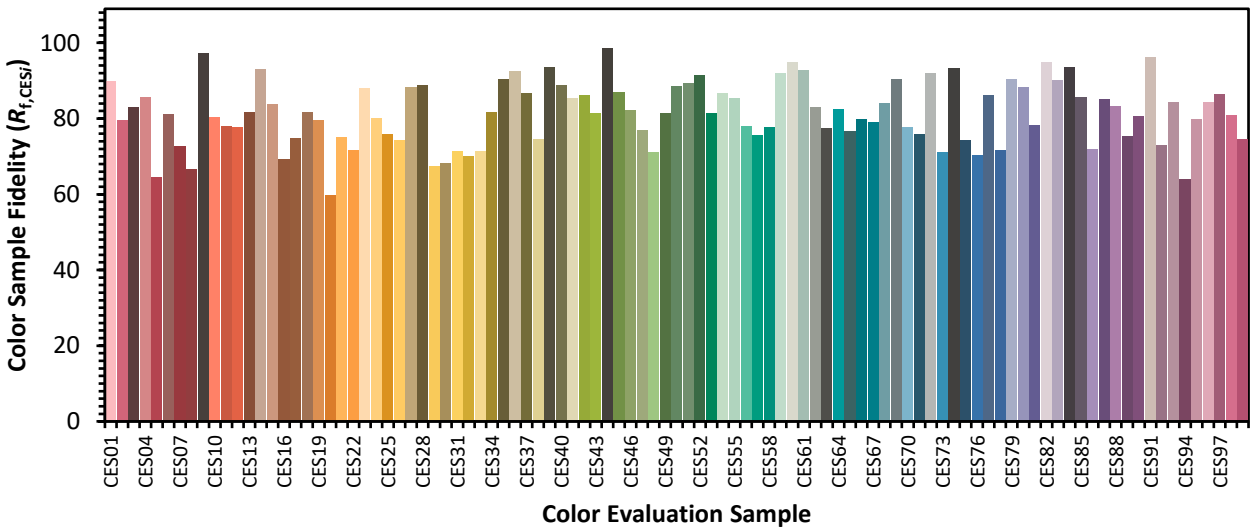


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

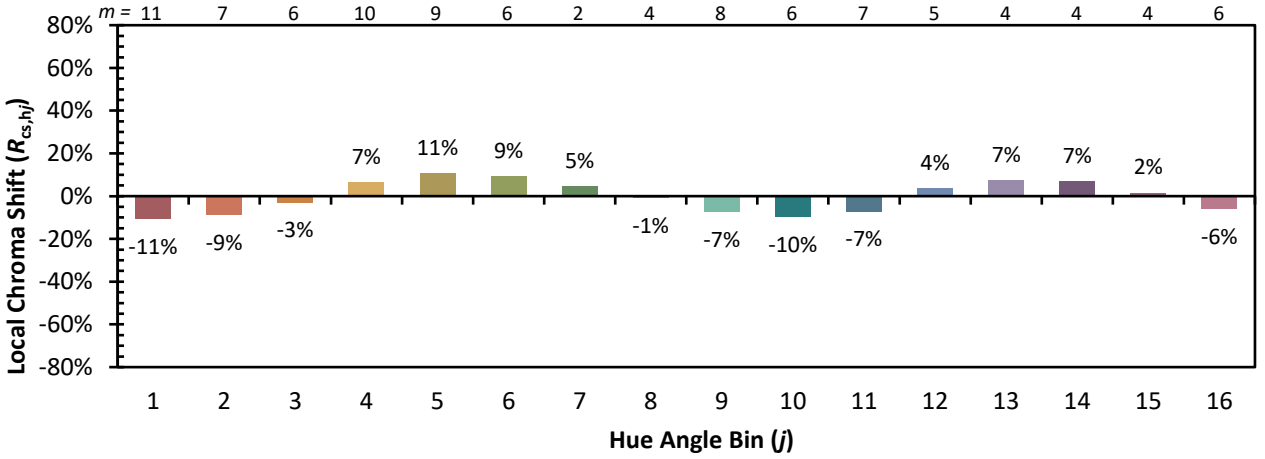
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

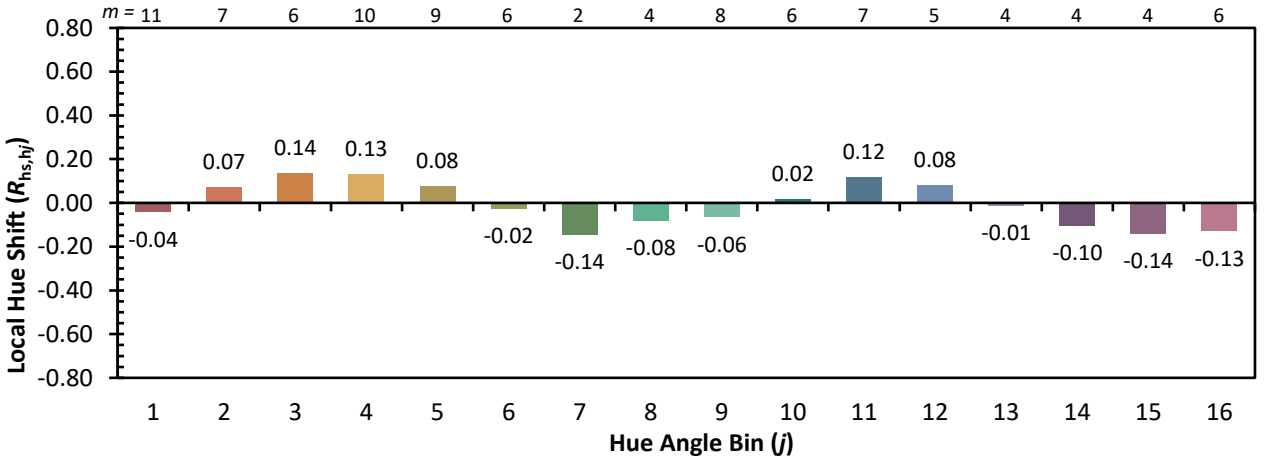


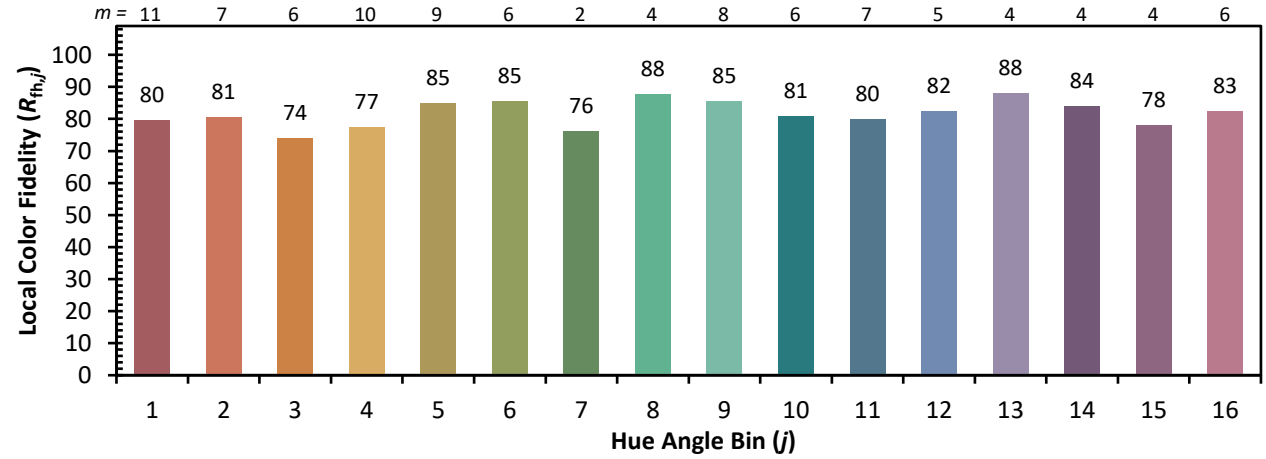
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



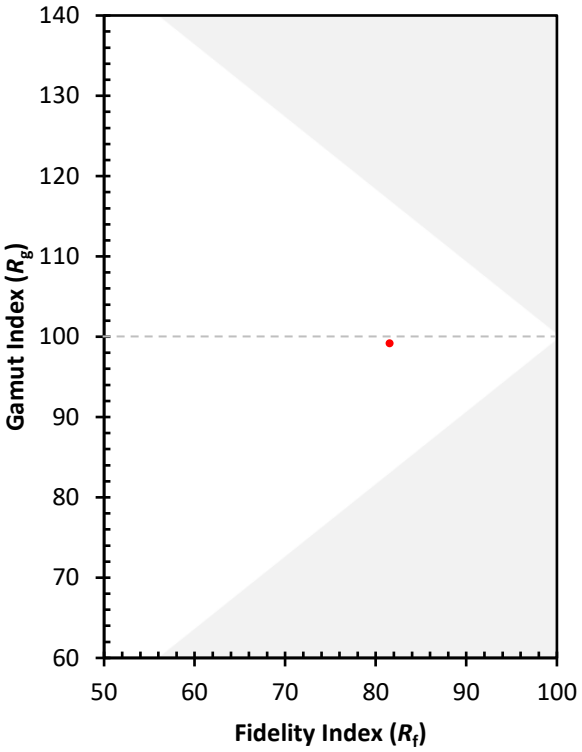


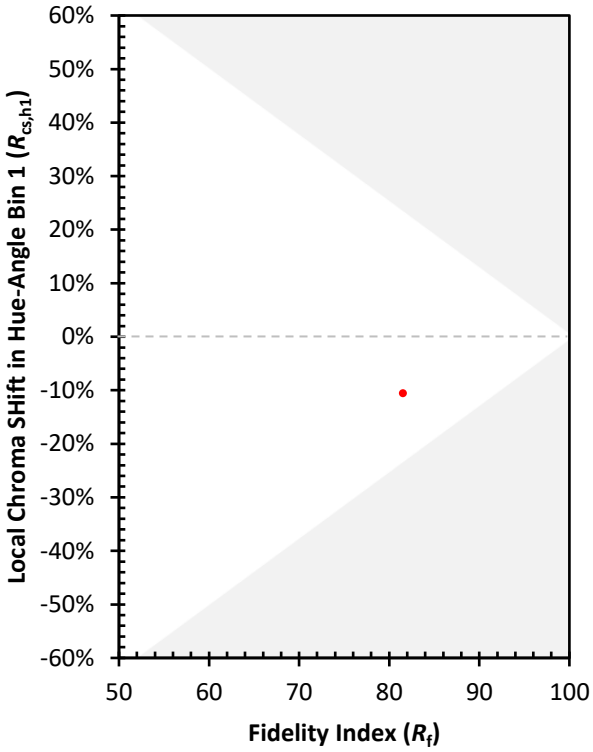


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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