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: P319519

Luminaire Tested: **GLEON-SA5B-830-U-SL2**

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:	P319519
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5B-830-U-SL2
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22234 lumens
Efficiency:	N/A
Efficacy:	105.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

Input Watts (W):	210
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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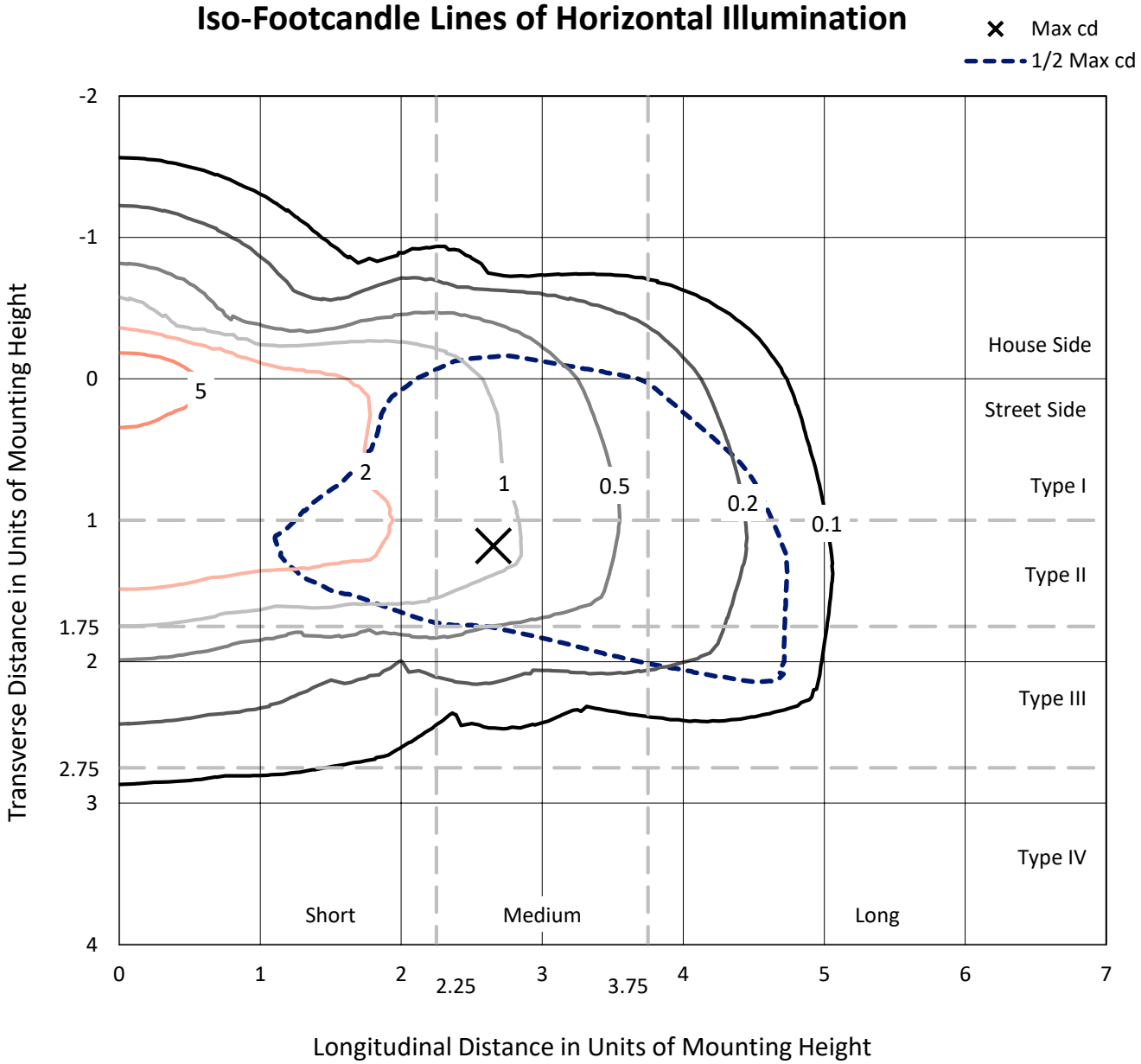
Scaled Data Report

REPORT NUMBER: P319519
CATALOG NUMBER: GLEON-SA5B-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
Type III - Medium - N/A

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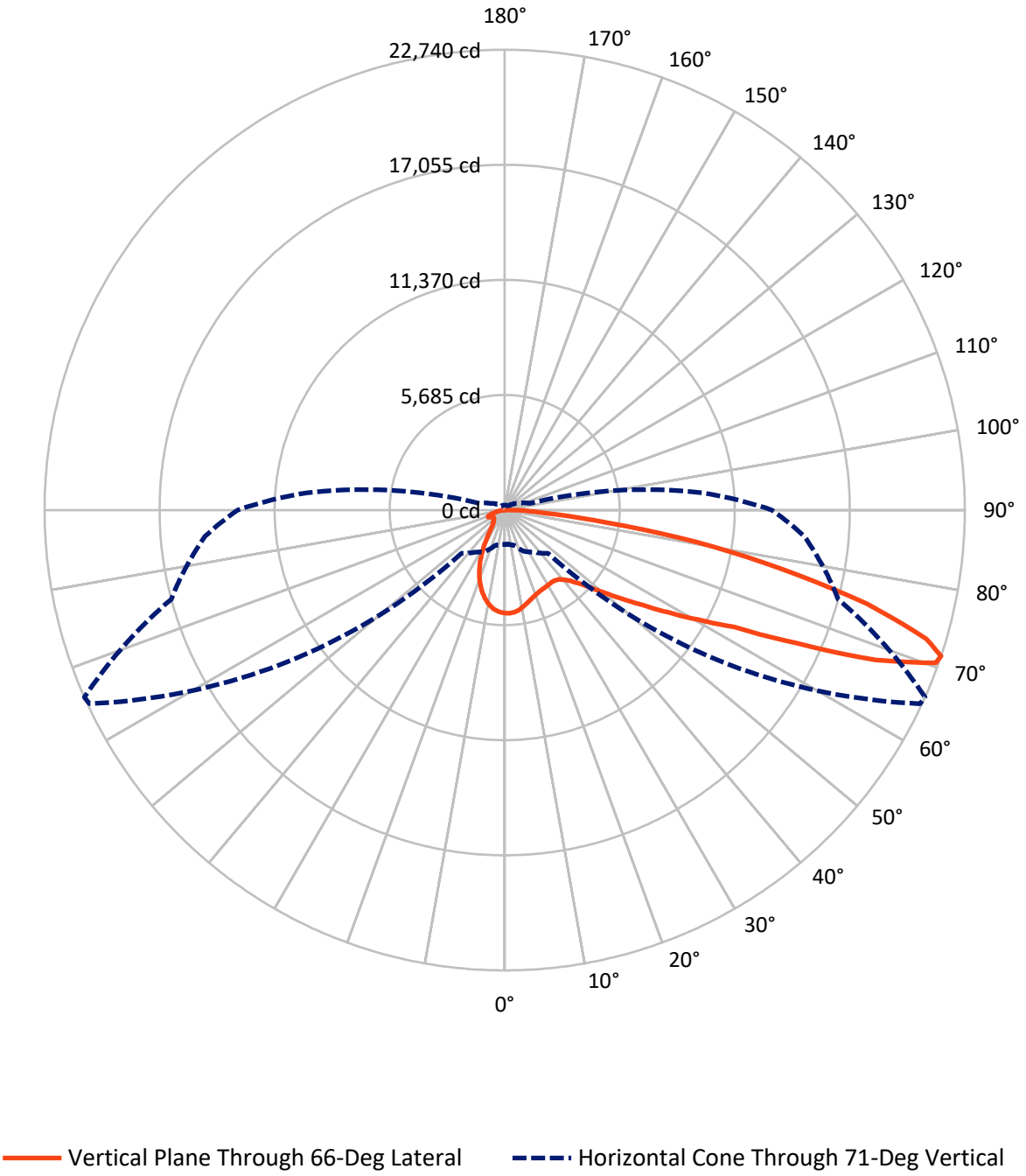
Luminous Intensity Polar Plot



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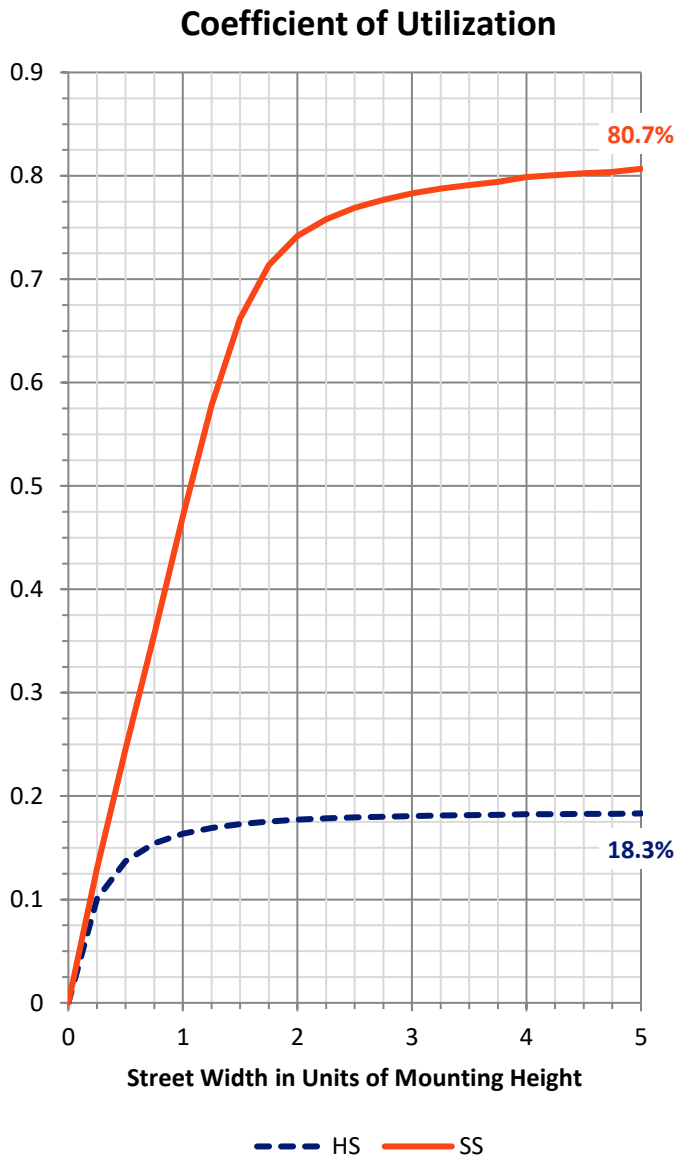
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4120.6	0.0	4120.6
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	18113.4	0.0	18113.4
	% Fixture	81.5	0.0	81.5
Total	Lumens	22234.0	0.0	22234.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.3	2.0
10°-20°	1075.3	4.8
20°-30°	1444.4	6.5
30°-40°	1900.1	8.5
40°-50°	2764.1	12.4
50°-60°	4317.9	19.4
60°-70°	5408.9	24.3
70°-80°	4125.8	18.6
80°-90°	749.2	3.4
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°	22234.0	100.0
0°-180°	22234.0	100.0



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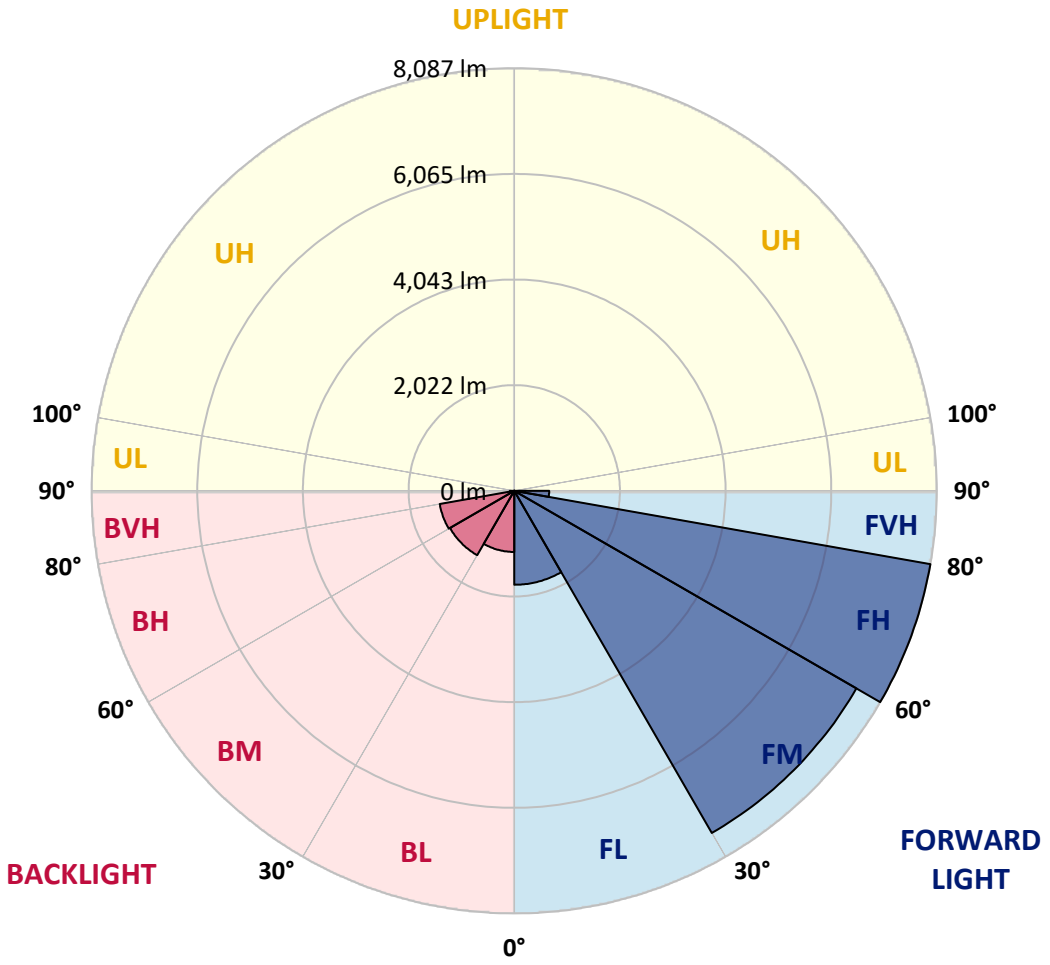
REPORT NUMBER: P319519
CATALOG NUMBER: GLEON-SA5B-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1797.9	8.1			
FM	(30°-60°)	7560.7	34.0			
FH	(60°-80°)	8086.7	36.4			G4/12000
FVH	(80°-90°)	668.1	3.0			G4/750
BL	(0°-30°)	1170.1	5.3	B3/2500		
BM	(30°-60°)	1421.5	6.4	B2/2500		
BH	(60°-80°)	1447.9	6.5	B3/2500		G3/2500
BVH	(80°-90°)	81.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5093.4	5093.4	5093.4	5093.4	5093.4	5093.4	5093.4	5093.4	*5093.4*	5093.4	5093.4
2.5°	4999.0	4991.3	5014.3	5038.1	5047.3	5062.7	5085.7	5098.8	*5098.0*	5100.3	5092.6
5°	4667.3	4657.4	4703.4	4741.0	4813.2	4894.6	4993.6	5064.2	*5065.7*	5105.7	5116.4
7.5°	4353.4	4346.5	4399.4	4460.1	4543.7	4668.1	4828.5	4980.5	*4989.7*	5098.0	5135.6
10°	4101.6	4100.0	4151.5	4217.5	4315.0	4453.9	4638.2	4860.8	*4874.6*	5061.1	5138.7
12.5°	3905.1	3908.1	3952.6	4027.9	4130.7	4275.8	4475.4	4726.4	*4748.7*	5002.8	5121.0
15°	3760.0	3772.2	3808.3	3884.3	3985.7	4133.0	4338.0	4602.1	*4635.9*	4937.5	5111.0
17.5°	3677.1	3690.9	3716.2	3779.2	3874.3	4016.4	4210.6	4500.0	*4530.7*	4887.6	5111.8
20°	3652.5	3664.0	3678.6	3717.0	3797.6	3926.5	4110.0	4407.9	*4440.9*	4847.7	5119.5
22.5°	3700.9	3709.3	3710.8	3707.8	3756.9	3862.1	4037.1	4340.3	*4375.6*	4821.6	5124.9
25°	3804.5	3816.0	3807.6	3779.2	3763.0	3827.5	3999.5	4295.8	*4331.1*	4802.4	5114.1
27.5°	3960.3	3961.9	3954.9	3918.1	3842.1	3831.4	3988.0	4269.7	*4303.5*	4780.2	5091.8
30°	4172.2	4182.2	4169.9	4120.0	3995.6	3892.8	4001.8	4244.4	*4275.1*	4751.8	5055.8
32.5°	4420.1	4444.7	4443.9	4391.7	4213.6	4030.2	4058.6	4229.0	*4252.8*	4721.8	5012.0
35°	4677.3	4711.1	4774.0	4751.8	4531.5	4247.4	4167.6	4253.6	*4269.7*	4718.0	4981.3
37.5°	4944.5	4978.2	5108.0	5167.8	4909.9	4558.3	4339.5	4340.3	*4348.0*	4764.8	4979.0
40°	5223.9	5260.0	5454.9	5610.8	5400.4	4952.1	4616.7	4521.5	*4513.0*	4880.0	5024.3
42.5°	5615.4	5647.6	5881.8	6080.6	5944.7	5456.5	4999.7	4800.9	*4783.2*	5105.7	5169.4
45°	6110.5	6138.2	6386.9	6599.5	6529.7	6032.2	5481.0	5185.5	*5182.4*	5481.8	5463.4
47.5°	6699.3	6720.8	6944.2	7149.9	7175.3	6694.7	6086.0	5778.9	*5729.0*	5997.7	5918.6
50°	7312.7	7336.5	7488.5	7709.5	7897.6	7581.3	6864.4	6505.9	*6439.1*	6678.6	6563.4
52.5°	7718.8	7750.2	7882.3	8162.5	8709.8	8553.2	7784.8	7387.1	*7285.8*	7503.8	7415.5
55°	7537.6	7608.2	7810.1	8259.2	9359.2	10037.8	8920.1	8415.0	*8300.6*	8481.8	8429.6
57.5°	6713.9	6810.6	7086.2	7779.4	9450.6	11345.9	10636.6	9625.6	*9545.0*	9492.8	9516.6
60°	5208.5	5301.4	5643.0	6546.5	8814.2	12300.9	13219.8	11117.9	*11001.2*	10507.6	10529.1
62.5°	3686.3	3639.4	3873.6	4534.5	7162.2	12413.0	16159.1	13113.8	*12730.0*	11579.3	11484.9
65°	2811.1	2800.4	2905.6	3115.9	4338.0	11071.9	17910.1	16468.5	*15868.9*	12839.8	12617.1
67.5°	2309.9	2290.7	2394.3	2700.6	2793.5	7143.0	17948.5	20360.5	*19771.7*	14408.9	13926.8
70°	1899.2	1877.7	1974.4	2369.7	2581.6	3622.6	15105.9	22639.6	*22608.2*	16395.5	14915.5
71°	*1702.7*	*1687.3*	*1803.2*	*2242.3*	*2536.3*	*3019.2*	*13042.4*	*22645.8*	*22740.2*	*17068.0*	*14857.2*
72.5°	1386.4	1391.8	1514.6	1995.9	2502.5	2666.1	9585.7	21590.2	*21789.8*	17709.0	14326.7
75°	921.2	925.8	1087.0	1535.3	2426.6	2608.5	5268.4	18116.6	*18483.6*	17325.2	13073.1
77.5°	618.7	617.2	727.0	1053.2	2114.1	2608.5	3089.0	13549.8	*13952.9*	13785.5	10078.5
80°	426.0	423.0	500.5	727.0	1600.6	2640.0	2388.2	9495.9	*9617.9*	7444.7	4096.2
82.5°	261.0	263.3	327.0	513.6	1089.3	2375.9	2254.6	5177.8	*5045.0*	2088.0	1023.3
85°	149.7	148.9	208.8	347.7	699.3	2005.1	2198.6	2228.5	*2044.3*	628.7	370.0
87.5°	53.7	57.6	112.1	192.7	400.7	1396.4	1865.4	1159.2	*1044.8*	284.0	167.3
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: P319519
CATALOG NUMBER: GLEON-SA5B-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5093.4	5093.4	5093.4	5093.4	5093.4	5093.4	5093.4	5093.4	5093.4	5093.4	5093.4
2.5°	5087.2	5091.8	5086.5	5055.8	5029.7	4987.4	4963.6	4930.6	4920.7	4916.1	4928.3
5°	5106.4	5108.0	5062.7	4982.1	4891.5	4784.8	4708.0	4613.6	4569.1	4549.9	4562.2
7.5°	5124.1	5117.2	5018.1	4863.9	4696.5	4510.7	4345.7	4194.5	4106.2	4070.1	4073.2
10°	5126.4	5097.2	4938.3	4699.6	4440.1	4167.6	3914.3	3680.9	3533.5	3437.6	3466.7
12.5°	5102.6	5053.5	4820.9	4486.9	4126.9	3755.4	3413.0	3062.9	2852.6	2755.1	2758.2
15°	5084.2	4995.1	4676.5	4236.7	3753.1	3261.0	2793.5	2382.0	2157.9	2058.1	2011.3
17.5°	5068.8	4932.2	4509.2	3954.9	3311.7	2687.6	2125.6	1758.7	1635.9	1606.7	1594.4
20°	5047.3	4865.4	4322.7	3628.7	2808.8	2045.8	1552.2	1371.0	1371.8	1405.6	1410.2
22.5°	5017.4	4789.4	4123.8	3262.5	2269.2	1490.0	1216.7	1164.5	1217.5	1282.0	1293.5
25°	4972.9	4699.6	3902.7	2858.0	1730.3	1145.3	1039.4	1037.1	1101.6	1169.1	1179.1
27.5°	4909.9	4582.1	3657.1	2423.5	1275.1	973.4	931.2	947.3	994.9	1044.0	1047.8
30°	4825.5	4445.5	3386.1	1965.2	999.5	866.7	862.1	876.7	905.8	940.4	943.4
32.5°	4732.6	4306.5	3096.7	1521.5	855.9	809.1	813.7	820.6	834.4	848.3	851.3
35°	4648.1	4164.5	2800.4	1156.1	787.6	771.5	768.4	766.9	768.4	763.8	764.6
37.5°	4593.6	4047.1	2491.8	920.4	748.5	738.5	729.3	717.8	704.7	697.0	698.6
40°	4573.7	3959.6	2179.4	795.3	716.2	709.3	691.7	667.1	651.7	647.1	647.1
42.5°	4627.4	3914.3	1877.7	732.3	689.4	677.8	648.7	620.3	608.7	608.0	607.2
45°	4791.7	3932.7	1590.6	697.8	664.8	642.5	604.1	580.3	572.7	574.2	573.4
47.5°	5086.5	4048.6	1344.9	674.8	640.2	611.1	568.1	548.9	539.7	539.7	540.4
50°	5587.7	4319.6	1149.2	655.6	619.5	581.9	542.0	518.2	505.9	505.1	505.1
52.5°	6317.8	4804.7	1027.1	639.5	596.5	555.8	515.9	485.9	471.3	468.3	466.7
55°	7232.8	5500.2	993.3	628.7	565.8	527.4	484.4	454.5	438.3	431.4	430.7
57.5°	8256.1	6346.2	1060.1	615.7	534.3	493.6	449.8	421.4	404.6	396.1	395.3
60°	9291.7	7269.7	1332.6	597.2	508.2	456.8	414.5	388.4	371.5	362.3	360.8
62.5°	10328.8	8243.1	1889.2	595.7	489.8	421.4	378.5	356.2	340.1	330.1	327.8
65°	11498.7	9308.6	2521.7	636.4	483.6	389.2	341.6	323.9	310.1	300.9	300.2
67.5°	12842.1	10511.5	2461.1	720.1	504.3	360.0	307.1	293.2	283.3	275.6	274.8
70°	13472.3	10323.4	1529.9	779.2	533.5	331.6	274.1	264.1	256.4	251.0	248.7
71°	*13208.2*	*9802.2*	*1282.7*	*772.3*	*530.4*	*319.3*	*261.0*	*253.3*	*245.6*	*241.0*	*238.7*
72.5°	12488.2	8939.3	1070.1	718.5	495.9	297.1	244.1	236.4	229.5	224.2	222.6
75°	11206.2	7983.6	856.7	574.2	395.3	251.0	214.2	205.7	200.4	197.3	194.2
77.5°	8237.7	5697.5	662.5	453.7	290.9	205.0	182.7	176.6	171.2	166.6	164.3
80°	3155.8	2207.0	446.0	338.5	213.4	162.0	147.4	144.3	138.9	135.9	135.9
82.5°	849.8	659.4	238.0	205.0	142.8	118.2	112.8	111.3	106.7	100.6	101.3
85°	343.9	290.9	133.6	112.8	87.5	69.9	76.0	76.8	71.4	63.7	64.5
87.5°	151.2	123.6	74.5	49.9	38.4	26.9	34.5	34.5	31.5	26.1	23.8
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

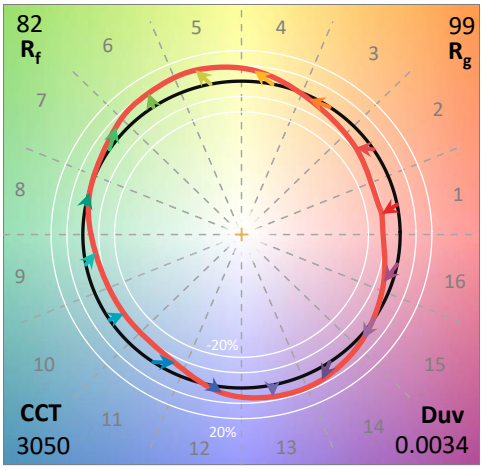
Test Information

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

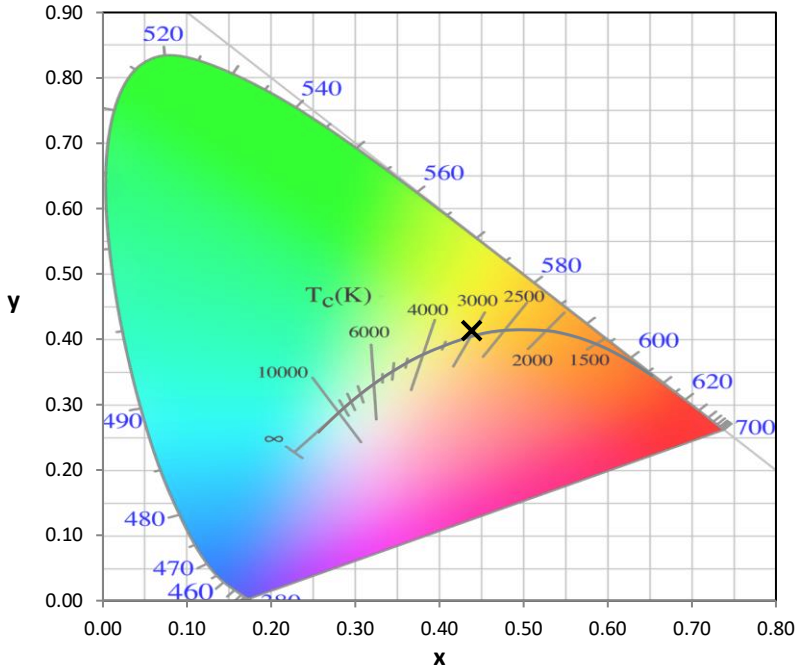
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

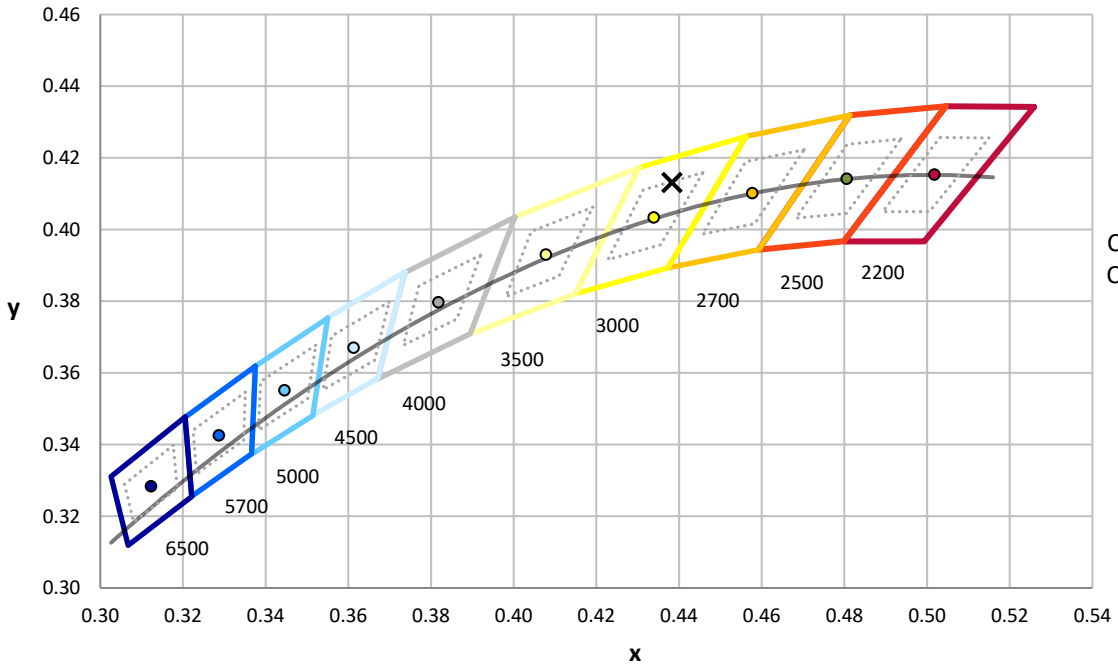
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

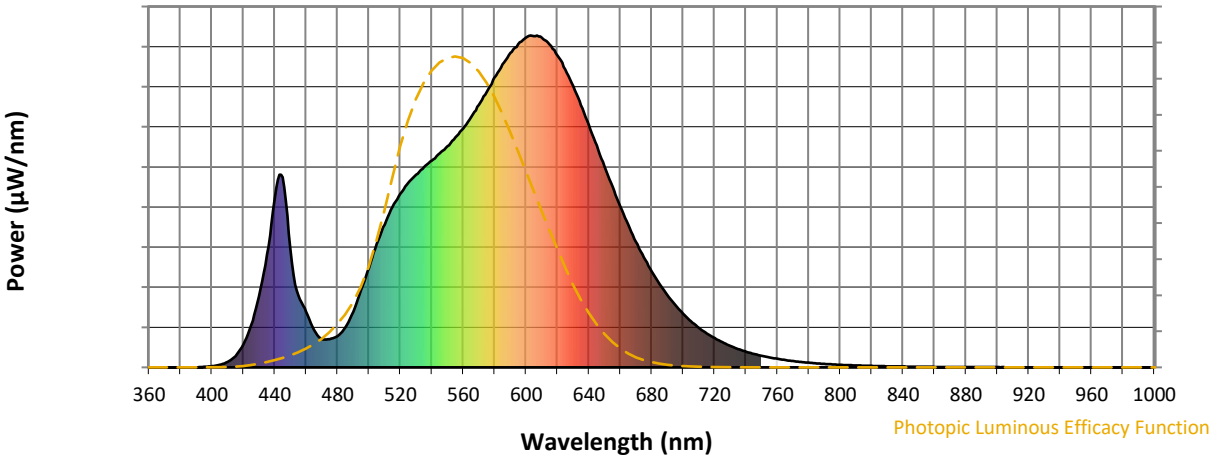


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

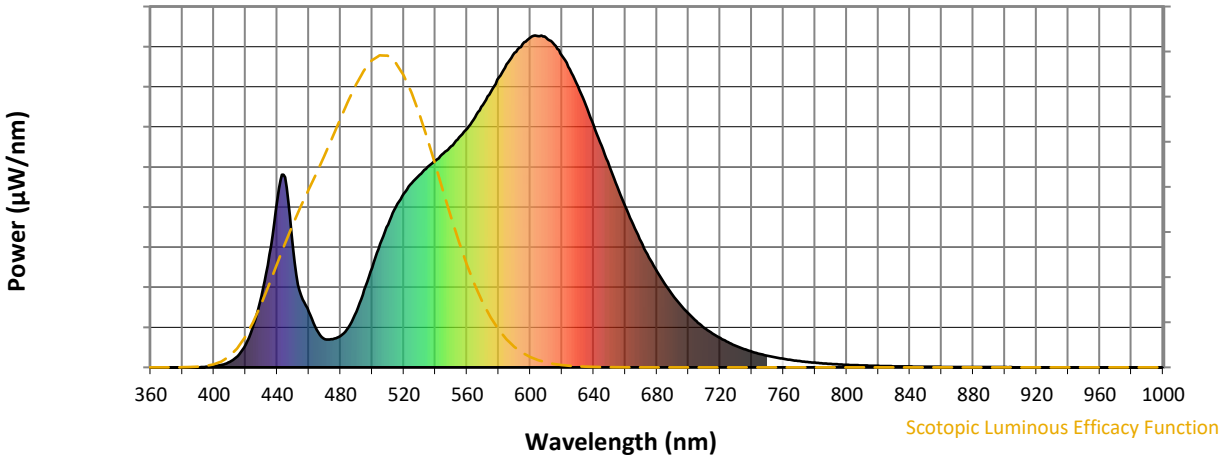


Photopic Lumens: NR

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

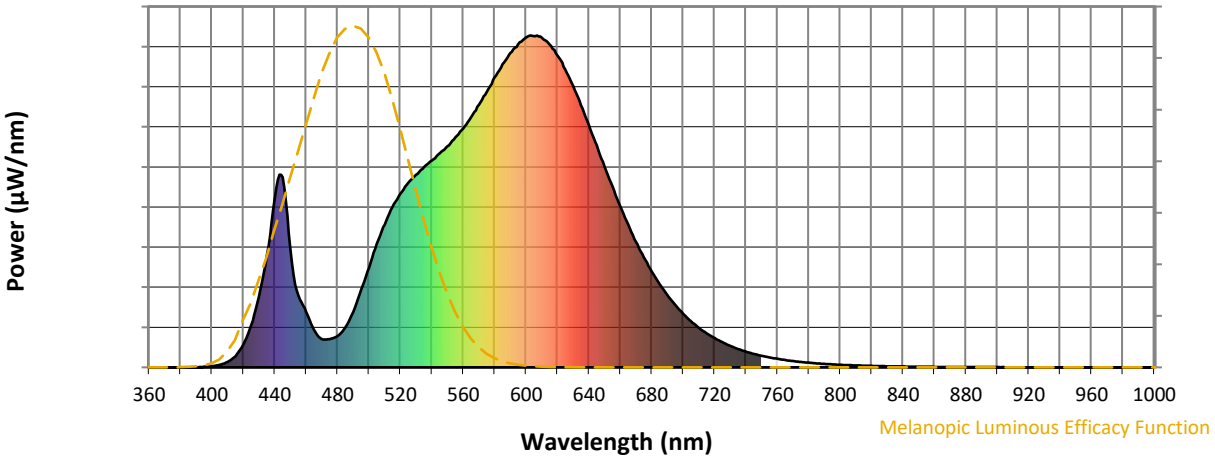


Scotopic Lumens: NR **S/P: 1.27**

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			

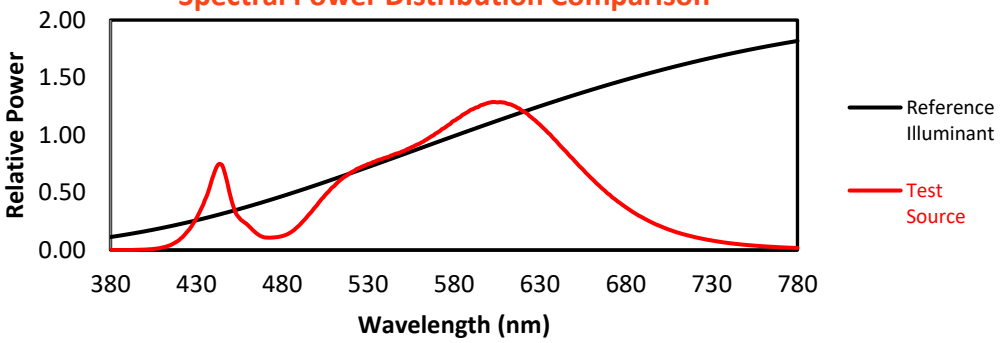
REPORT NUMBER: SP1-2408-195-9

TM-30-18

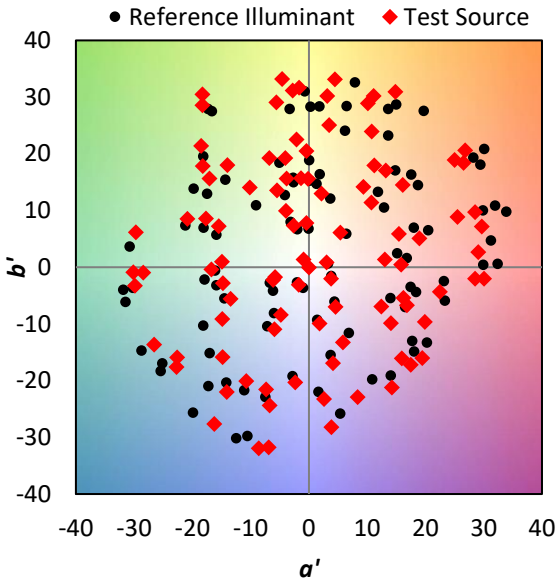
Summary

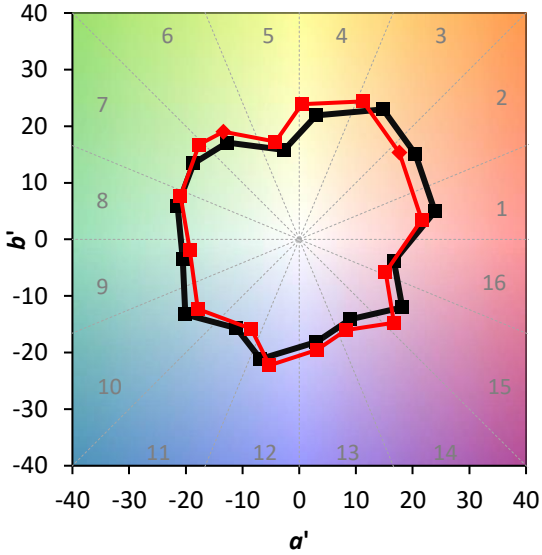
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

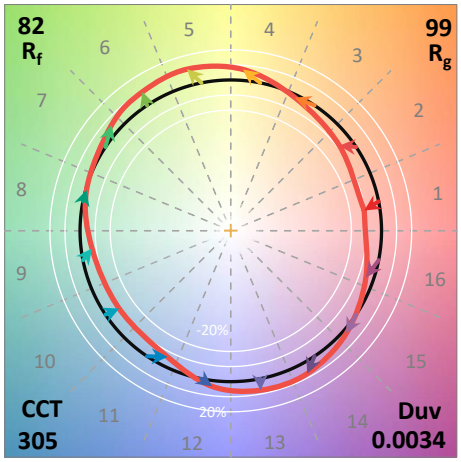
Spectral Power Distribution Comparison

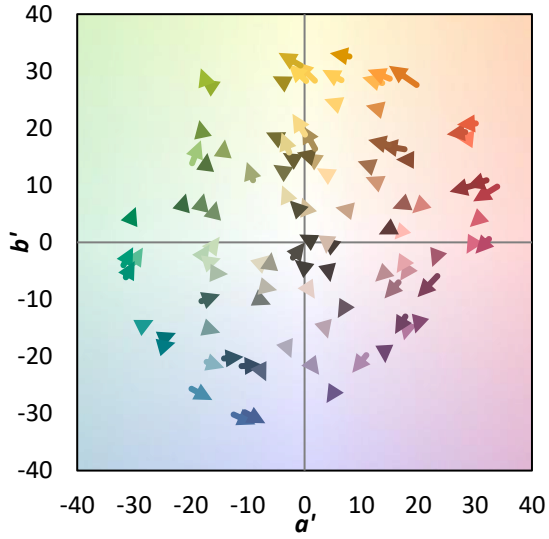


Color Vector Graphics







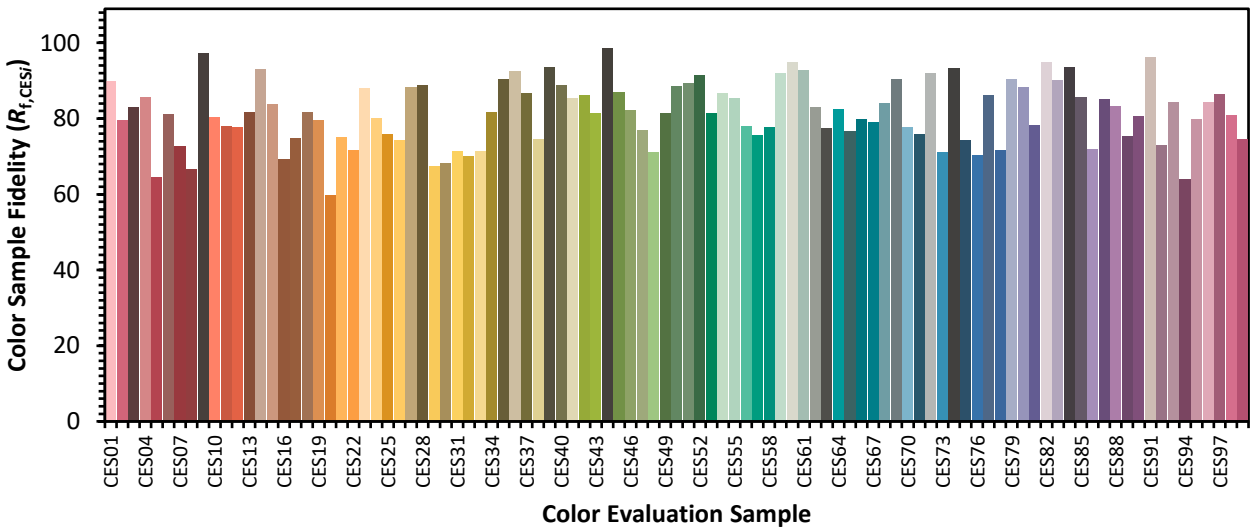


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

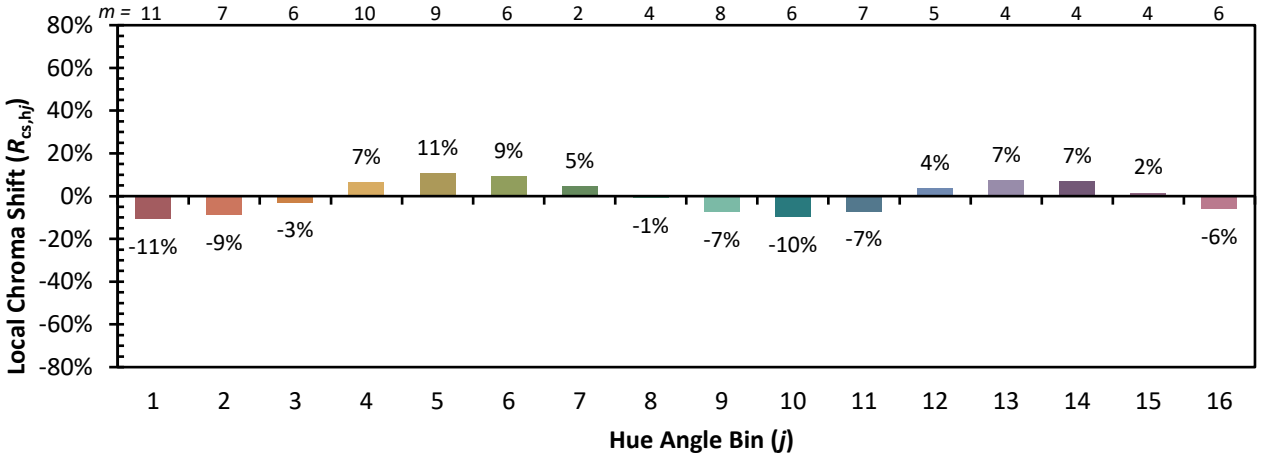
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

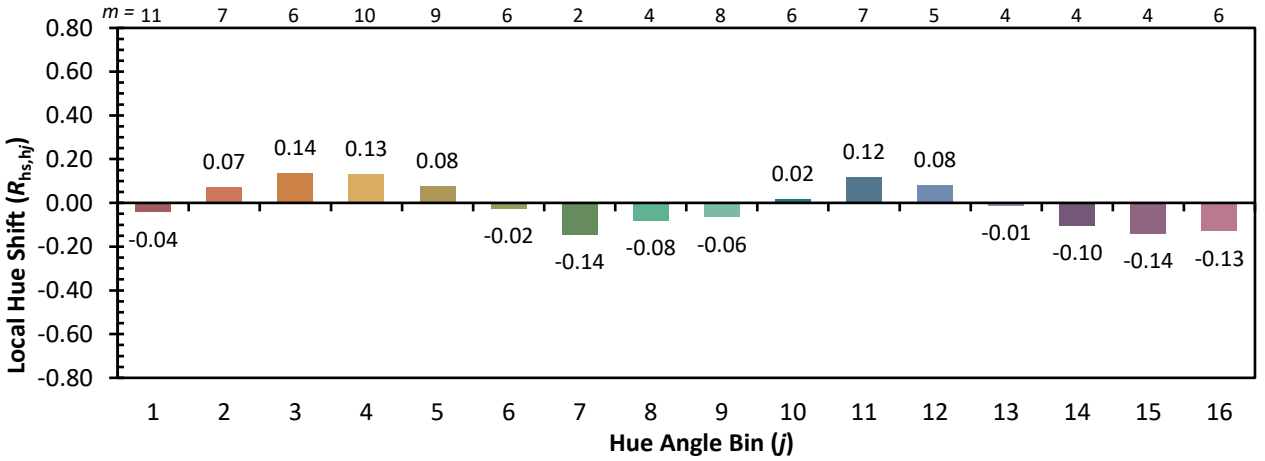


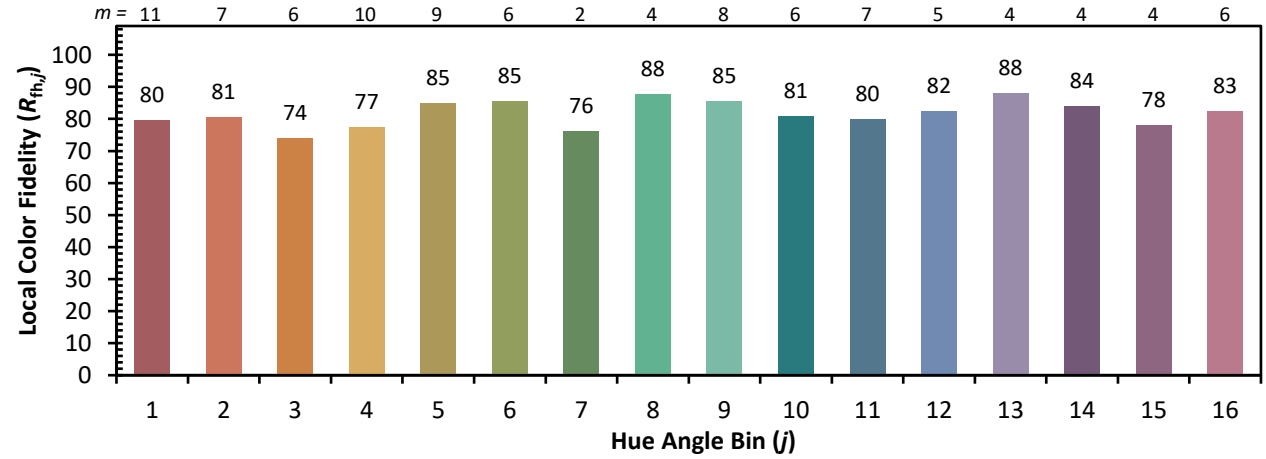
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



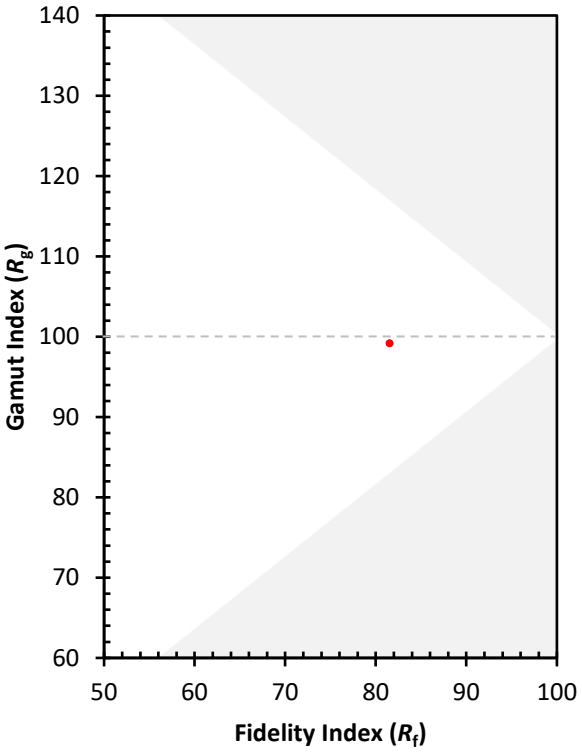


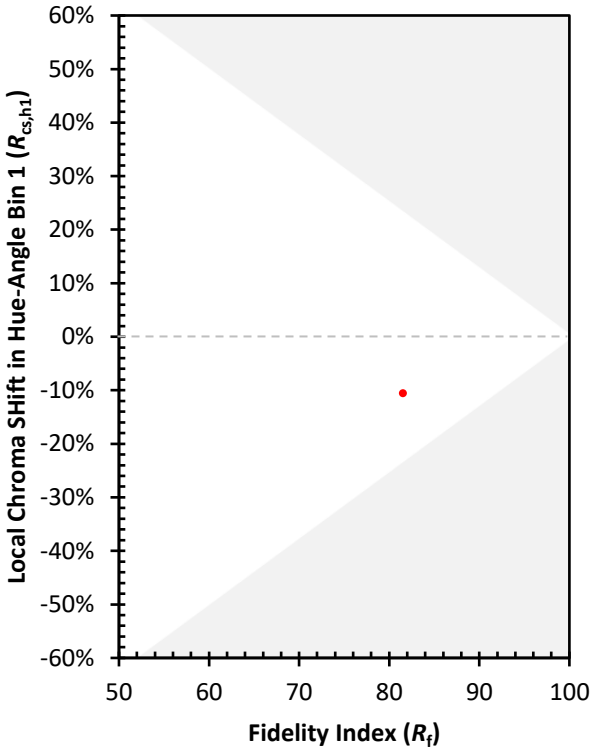


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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