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: P320179

Luminaire Tested: **GLEON-SA5D-830-U-SL4**

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:	P320179
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5D-830-U-SL4
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29283 lumens
Efficiency:	N/A
Efficacy:	91.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	320
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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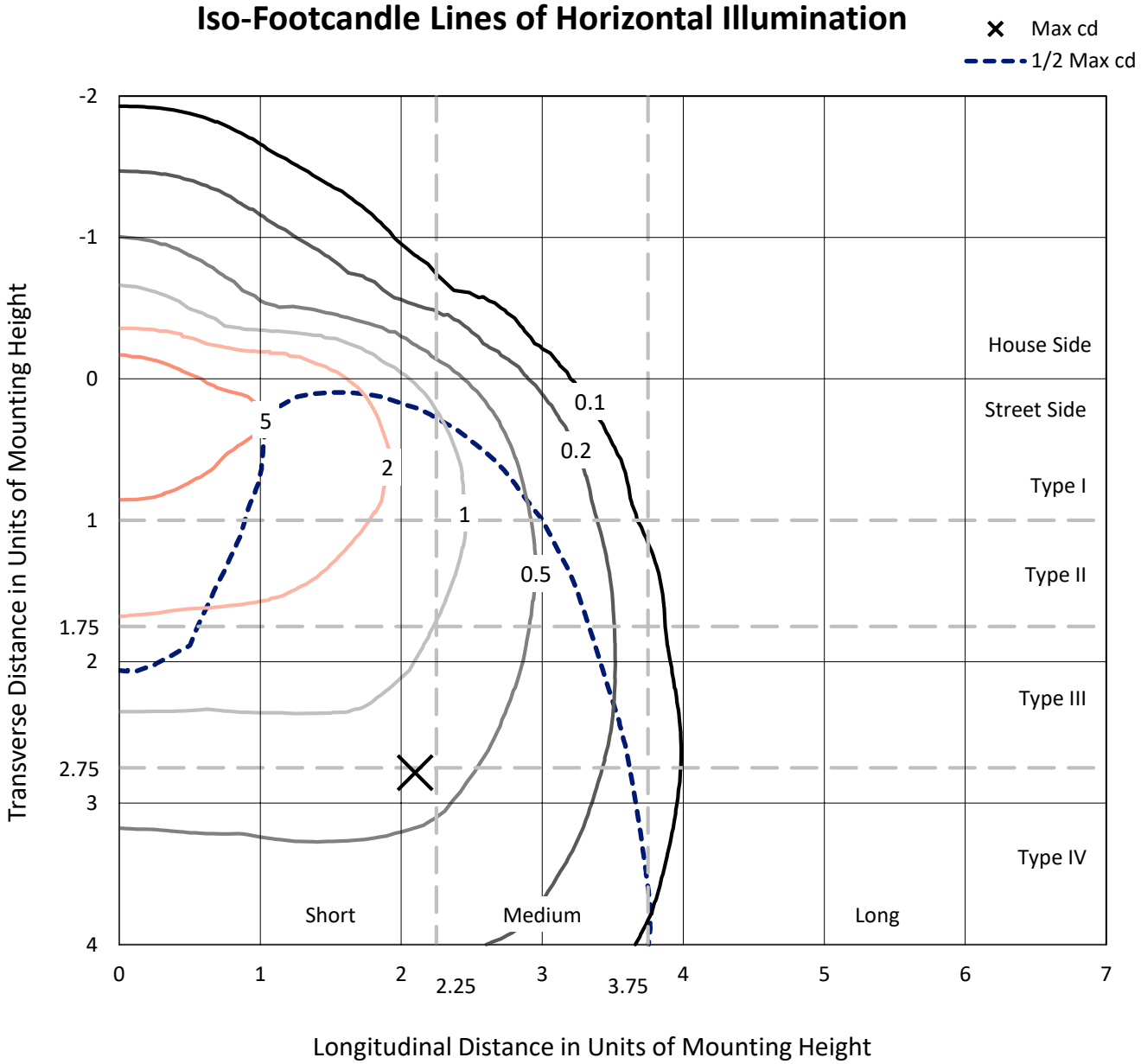
Scaled Data Report

REPORT NUMBER: P320179
CATALOG NUMBER: GLEON-SA5D-830-U-SL4

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
Type IV - Short - N/A

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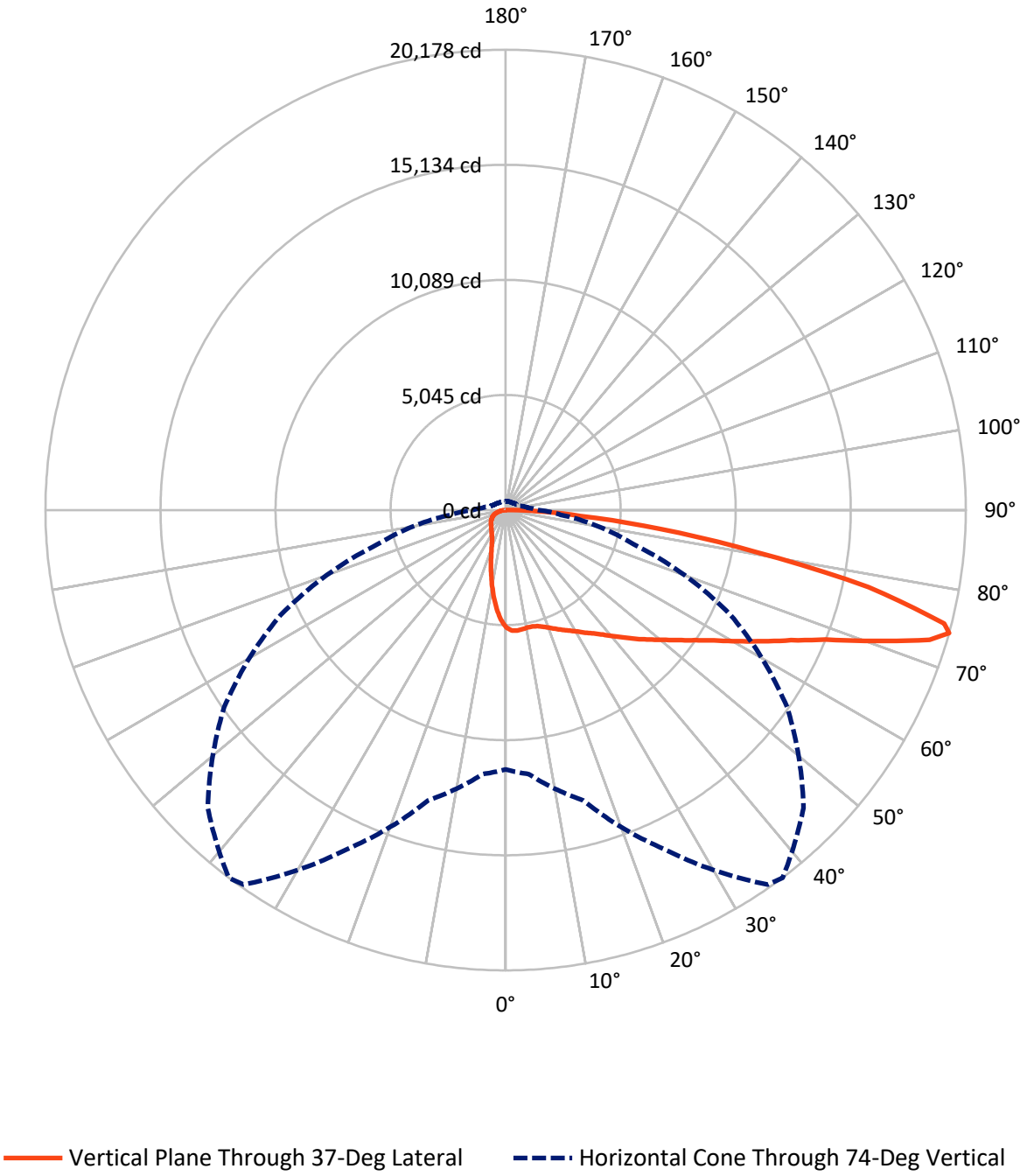
Luminous Intensity Polar Plot



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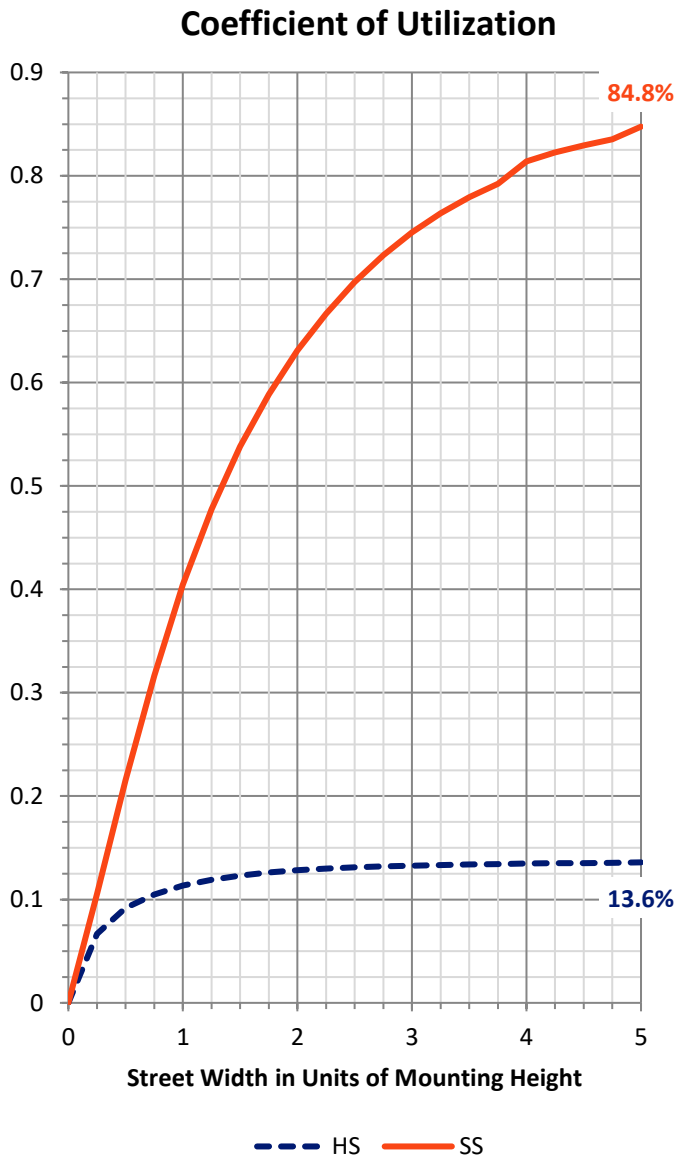
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4029.1	0.0	4029.1
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	25253.9	0.0	25253.9
	% Fixture	86.2	0.0	86.2
Total	Lumens	29283.0	0.0	29283.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.4	1.6
10°-20°	1164.6	4.0
20°-30°	1794.5	6.1
30°-40°	2609.4	8.9
40°-50°	3840.6	13.1
50°-60°	5393.5	18.4
60°-70°	6826.5	23.3
70°-80°	6011.0	20.5
80°-90°	1188.5	4.1
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°	29283.0	100.0
0°-180°	29283.0	100.0



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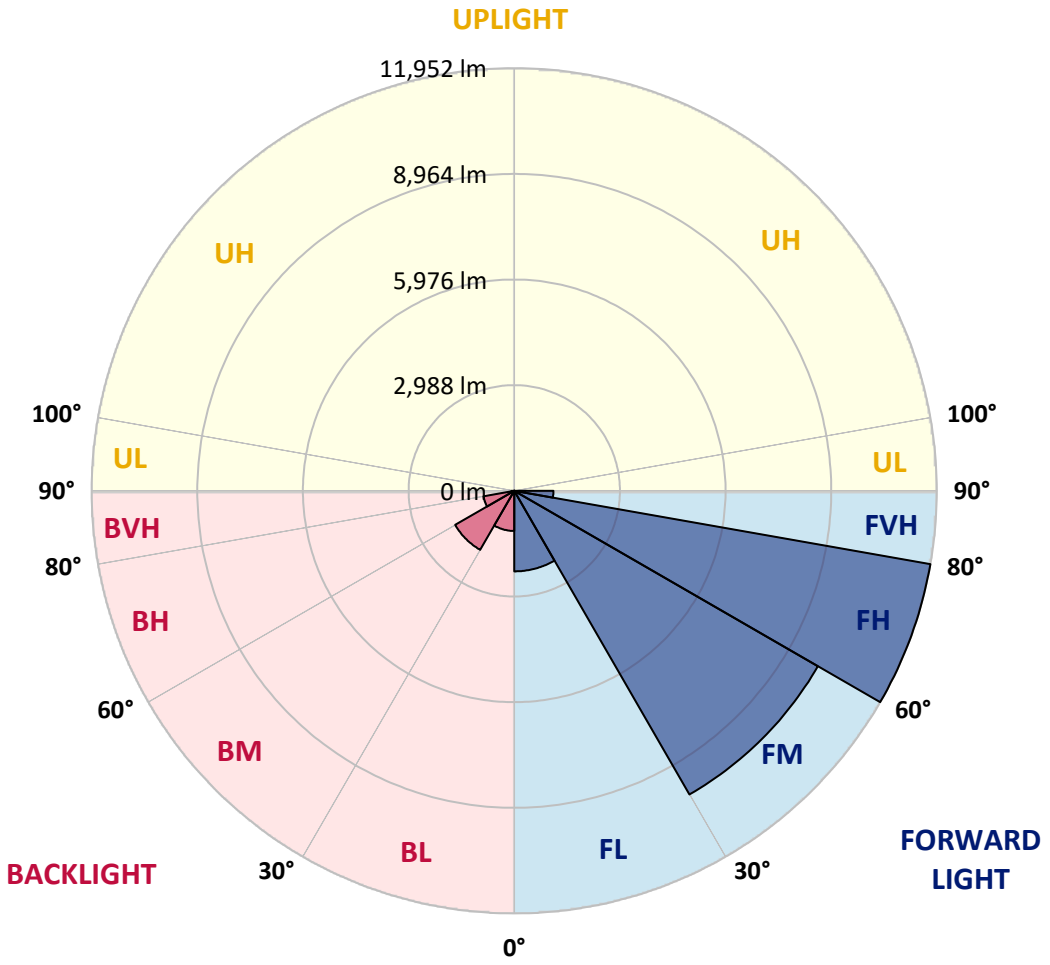
CATALOG NUMBER: GLEON-SA5D-830-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2278.6	7.8			
FM	(30°-60°)	9915.5	33.9			
FH	(60°-80°)	11951.8	40.8			G4/12000
FVH	(80°-90°)	1108.0	3.8			G5
BL	(0°-30°)	1134.9	3.9	B3/2500		
BM	(30°-60°)	1928.1	6.6	B2/2500		
BH	(60°-80°)	885.7	3.0	B2/1000		G2/1000
BVH	(80°-90°)	80.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type IV Short



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REPORT NUMBER: P320179
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	5159.6	5159.6	5159.6	5159.6	5159.6	5159.6	5159.6	5159.6	5159.6	5159.6	5159.6
2.5°	5335.9	5337.0	5335.9	5327.7	5308.1	5291.6	5278.2	5258.6	5215.3	5182.2	5132.7
5°	5386.5	5380.3	5376.2	5360.7	5329.7	5311.2	5285.4	5248.3	5177.1	5111.1	5030.6
7.5°	5362.8	5355.5	5346.3	5327.7	5292.6	5277.1	5241.0	5192.6	5106.9	5020.3	4904.8
10°	5289.5	5287.5	5283.3	5279.2	5249.3	5236.9	5203.9	5152.3	5067.7	4962.5	4827.4
12.5°	5208.0	5213.2	5229.7	5251.4	5237.9	5231.8	5211.1	5176.1	5089.4	4975.9	4813.0
15°	5156.5	5170.9	5215.3	5272.0	5283.3	5281.3	5276.1	5253.4	5161.6	5035.8	4846.0
17.5°	5138.9	5162.6	5247.2	5341.1	5374.1	5381.3	5383.4	5344.2	5242.1	5109.0	4880.0
20°	5170.9	5200.8	5324.6	5453.5	5506.1	5510.3	5501.0	5432.9	5318.4	5171.9	4898.6
22.5°	5267.9	5294.7	5449.4	5594.8	5654.7	5660.9	5633.0	5529.9	5398.9	5246.2	4924.4
25°	5454.6	5487.6	5642.3	5787.7	5818.7	5819.7	5779.5	5651.6	5504.1	5350.4	4980.1
27.5°	5698.0	5731.0	5870.3	6012.6	5996.1	5986.8	5932.1	5804.2	5641.3	5493.8	5079.1
30°	5969.3	6005.4	6137.4	6238.5	6199.3	6180.7	6136.4	5971.3	5832.1	5689.7	5230.7
32.5°	6249.8	6282.9	6398.4	6467.5	6418.0	6409.7	6342.7	6192.1	6080.7	5988.9	5476.2
35°	6537.6	6561.4	6674.8	6714.0	6648.0	6645.9	6627.4	6489.2	6419.0	6462.3	5833.1
37.5°	6831.6	6837.8	6934.8	6936.8	6917.2	6925.5	6945.1	6858.4	6878.0	7013.2	6297.3
40°	7093.6	7110.1	7180.3	7201.9	7236.0	7264.8	7362.8	7306.1	7457.7	7697.0	6874.9
42.5°	7287.5	7319.5	7431.9	7487.6	7598.0	7643.4	7781.6	7834.2	8139.5	8498.5	7561.9
45°	7451.5	7501.1	7681.6	7796.1	7982.8	8062.2	8260.2	8436.6	8910.1	9368.1	8285.0
47.5°	7629.0	7691.9	7917.8	8136.5	8390.2	8479.9	8839.9	9104.0	9732.2	10242.8	8966.8
50°	7889.9	7938.4	8159.1	8502.6	8819.3	8934.8	9433.0	9811.6	10567.7	11076.2	9557.9
52.5°	8254.0	8235.5	8422.2	8903.9	9328.9	9471.2	10066.4	10564.6	11414.6	11830.2	10057.1
55°	8620.2	8589.3	8720.3	9323.7	9923.0	10072.6	10763.7	11320.7	12220.2	12509.0	10439.8
57.5°	9027.7	8968.9	9079.2	9797.2	10599.7	10778.1	11544.5	12124.2	13012.3	13057.7	10683.2
60°	9447.5	9368.1	9491.8	10384.1	11458.9	11669.3	12458.4	12908.2	13759.1	13497.1	10761.6
62.5°	9814.7	9759.0	9949.8	11039.1	12427.5	12658.5	13355.8	13741.6	14495.6	13679.7	10479.0
65°	10135.5	10144.8	10474.9	11775.6	13507.5	13754.0	14385.3	14769.0	15075.3	13571.4	9817.8
67.5°	10518.2	10570.8	11134.0	12745.2	14867.0	15137.2	15883.0	15889.2	15399.2	12936.0	8516.0
70°	11076.2	11184.5	12040.7	14090.3	16800.0	17171.3	17746.9	16547.3	14944.3	11213.4	6700.6
72.5°	11571.3	11773.5	13005.1	15629.3	19155.9	19437.5	18837.2	16167.7	13043.3	8403.6	4174.5
74°	11370.2	11620.9	13180.5	16387.4	20043.0	20178.2	18469.0	15059.9	10875.1	5819.7	2426.1
75°	10937.0	11209.3	12924.7	16380.2	19930.6	19855.3	17579.8	13794.2	8956.5	3969.2	1614.3
77.5°	8826.5	9114.3	10890.6	14038.7	16342.0	16270.8	13504.4	9253.6	3922.8	1301.7	820.0
80°	5131.7	5351.4	6760.4	8915.2	11019.5	11148.4	8881.2	4578.8	1543.1	731.3	556.0
82.5°	2279.6	2431.2	3265.7	4551.0	6650.1	6816.1	4651.0	2399.3	953.1	444.6	334.2
85°	1495.7	1608.1	1982.5	2167.2	3166.7	3280.2	2276.5	1868.0	629.2	244.5	245.5
87.5°	1075.9	1184.2	1473.0	1286.3	1453.4	1376.0	1238.8	1728.8	252.7	139.3	82.5
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: P320179
CATALOG NUMBER: GLEON-SA5D-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5159.6	5159.6	5159.6	5159.6	5159.6	5159.6	5159.6	5159.6	5159.6	5159.6	5159.6
2.5°	5111.1	5094.6	5057.4	4987.3	4948.1	4915.1	4860.4	4828.4	4814.0	4813.0	4819.2
5°	4984.2	4946.0	4850.1	4732.5	4638.6	4553.0	4446.8	4382.8	4337.4	4310.6	4317.8
7.5°	4836.7	4776.9	4626.3	4438.5	4287.9	4121.9	3957.9	3859.9	3783.5	3726.8	3737.1
10°	4735.6	4653.1	4433.4	4163.1	3912.5	3671.1	3445.2	3310.1	3202.8	3120.3	3126.5
12.5°	4701.6	4590.2	4285.9	3924.8	3573.1	3243.0	2948.0	2740.7	2630.3	2536.5	2543.7
15°	4706.7	4557.2	4162.1	3710.3	3267.8	2852.1	2494.2	2251.8	2102.2	2037.2	2038.2
17.5°	4710.8	4519.0	4032.1	3480.3	2965.6	2486.9	2098.1	1852.6	1711.3	1651.4	1652.5
20°	4697.4	4457.1	3871.2	3216.2	2649.9	2151.7	1775.2	1566.8	1459.6	1413.2	1413.2
22.5°	4679.9	4383.9	3689.7	2951.1	2338.4	1860.8	1544.2	1385.3	1323.4	1292.5	1291.4
25°	4688.2	4329.2	3504.0	2678.8	2051.6	1628.7	1390.5	1285.2	1244.0	1224.4	1223.4
27.5°	4732.5	4303.4	3332.8	2407.5	1801.0	1454.4	1287.3	1213.0	1186.2	1173.8	1173.8
30°	4813.0	4303.4	3154.3	2176.5	1592.6	1325.5	1207.9	1157.3	1138.8	1130.5	1130.5
32.5°	4953.3	4327.1	2982.1	1947.5	1426.6	1224.4	1141.9	1107.8	1093.4	1089.3	1089.3
35°	5194.6	4407.6	2813.9	1730.9	1292.5	1141.9	1078.9	1059.3	1049.0	1048.0	1051.1
37.5°	5534.0	4571.6	2656.1	1571.0	1197.6	1074.8	1026.3	1010.9	1004.7	1009.8	1014.0
40°	5961.0	4794.4	2512.7	1426.6	1125.4	1021.2	977.9	967.5	964.5	971.7	977.9
42.5°	6476.8	5095.6	2395.1	1322.4	1069.7	975.8	936.6	924.2	921.1	929.4	937.6
45°	7034.8	5419.5	2312.6	1245.0	1026.3	941.8	900.5	887.1	880.9	885.0	894.3
47.5°	7542.3	5725.8	2279.6	1190.3	985.1	912.9	868.5	852.0	841.7	839.6	846.9
50°	7970.4	5953.8	2295.1	1157.3	952.1	880.9	837.6	819.0	803.5	794.3	799.4
52.5°	8281.9	6097.2	2309.5	1142.9	926.3	845.8	803.5	786.0	765.4	749.9	749.9
55°	8507.8	6130.2	2277.5	1131.6	906.7	807.7	765.4	748.9	728.2	710.7	708.6
57.5°	8596.5	6037.4	2158.9	1115.0	893.3	771.6	725.1	712.8	695.2	674.6	673.6
60°	8476.8	5750.6	1929.9	1080.0	875.7	741.6	684.9	676.7	668.4	648.8	647.8
62.5°	7996.2	5121.4	1633.9	1008.8	840.7	709.7	647.8	651.9	652.9	639.5	637.5
65°	7124.6	4257.0	1345.1	916.0	788.1	671.5	609.6	629.2	640.6	638.5	635.4
67.5°	5857.9	3313.2	1139.8	818.0	719.0	618.9	568.4	591.0	600.3	607.6	605.5
70°	4347.8	2336.3	942.8	714.8	635.4	557.0	514.7	526.1	519.9	528.1	531.2
72.5°	2424.0	1401.8	768.5	611.7	548.8	484.8	454.9	452.8	439.4	439.4	439.4
74°	*1454.4*	*1028.4*	*675.6*	*547.7*	*496.2*	*437.4*	*411.6*	*402.3*	*389.9*	*390.9*	*389.9*
75°	1169.7	884.0	619.9	505.4	459.0	409.5	383.7	371.3	362.1	362.1	361.0
77.5°	738.6	671.5	499.2	402.3	367.2	337.3	319.8	303.3	303.3	302.2	301.2
80°	558.0	534.3	388.9	304.3	281.6	258.9	247.6	240.3	240.3	243.4	242.4
82.5°	382.7	402.3	273.3	212.5	201.1	184.6	182.6	183.6	180.5	176.4	175.4
85°	279.5	302.2	184.6	134.1	122.7	112.4	120.7	124.8	119.7	110.4	106.2
87.5°	107.3	198.0	99.0	55.7	51.6	44.4	51.6	53.6	57.8	45.4	46.4
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

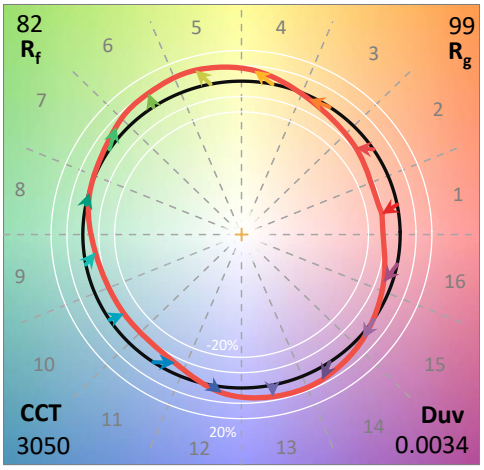
Test Information

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

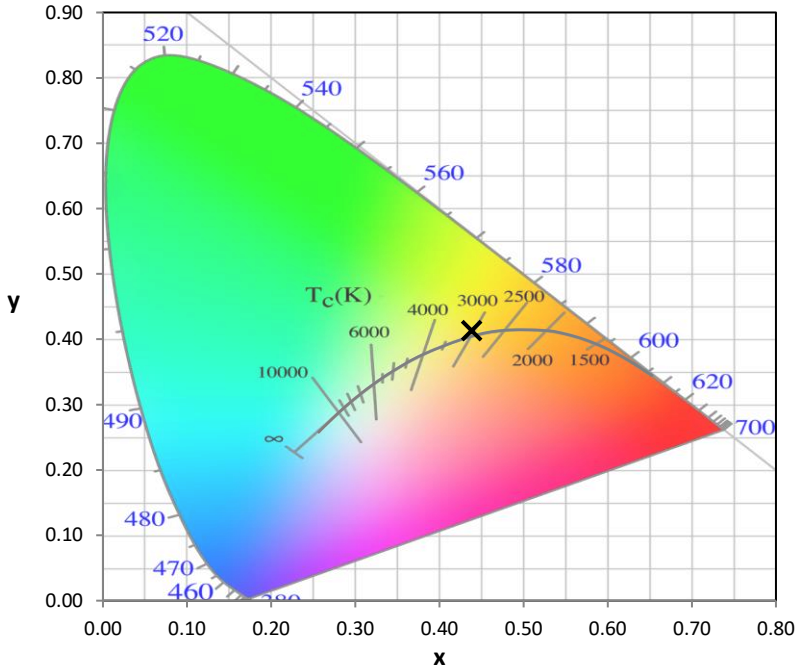
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

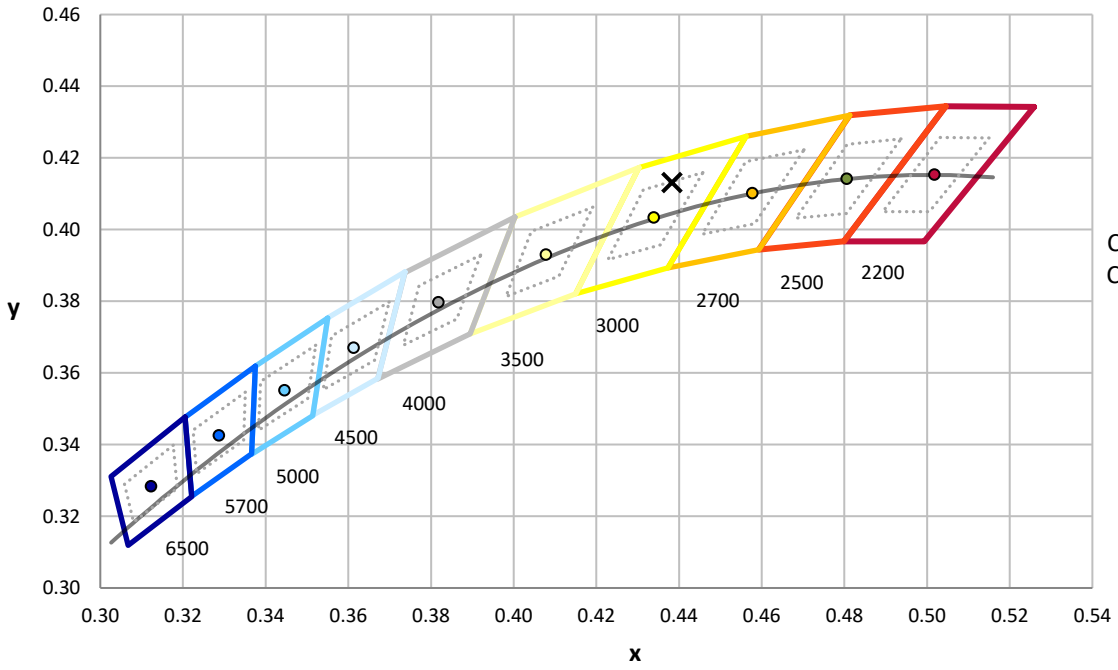
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

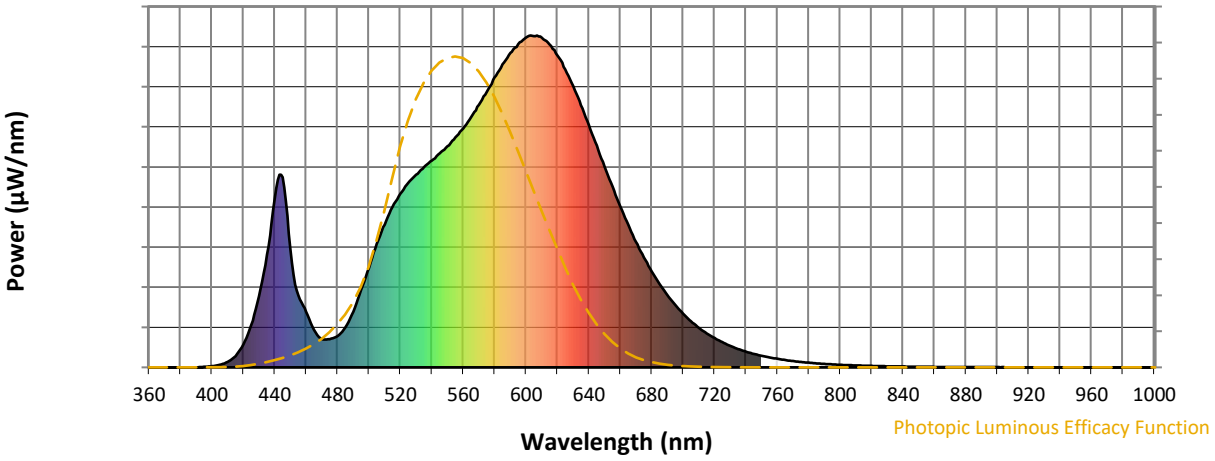


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

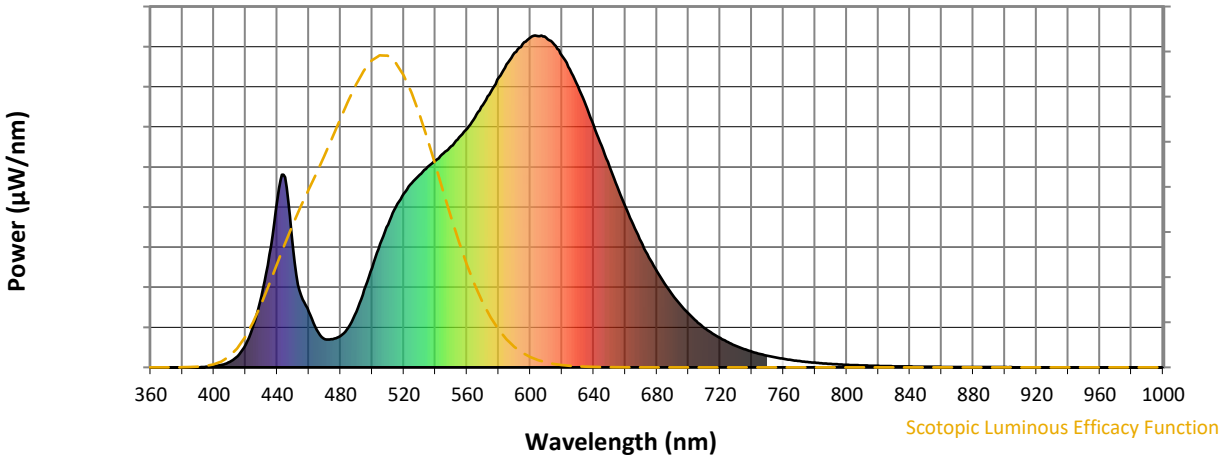


Photopic Lumens: NR

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

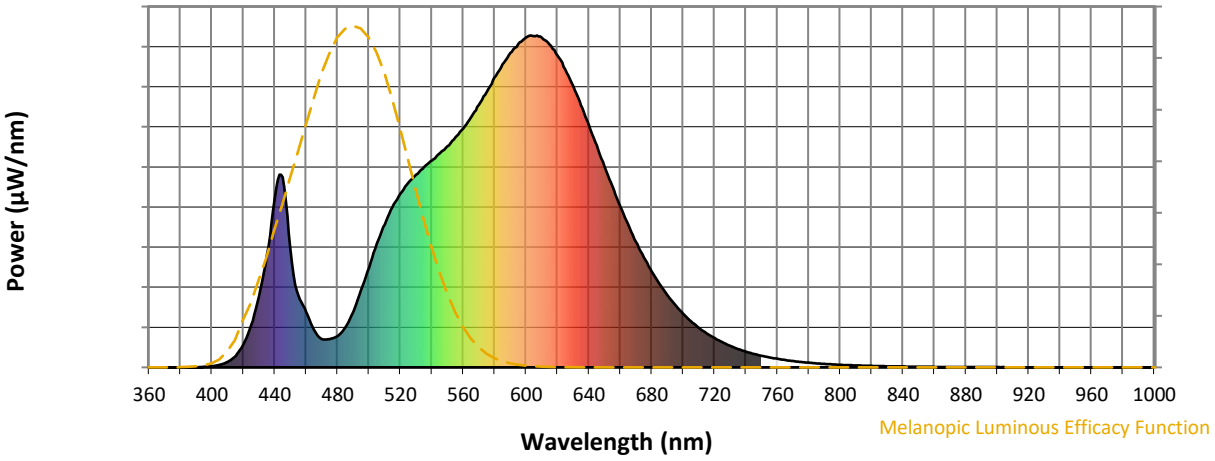


Scotopic Lumens: NR **S/P: 1.27**

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			

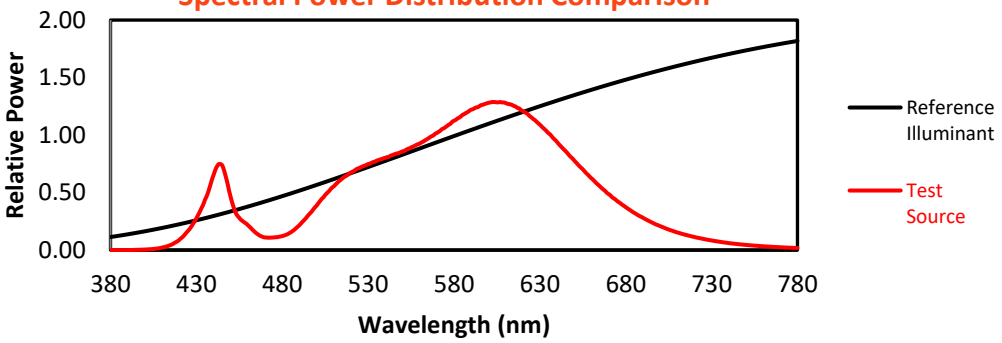
REPORT NUMBER: SP1-2408-195-9

TM-30-18

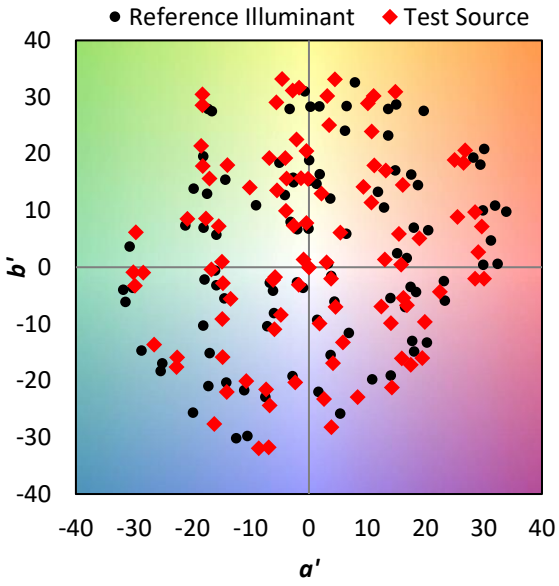
Summary

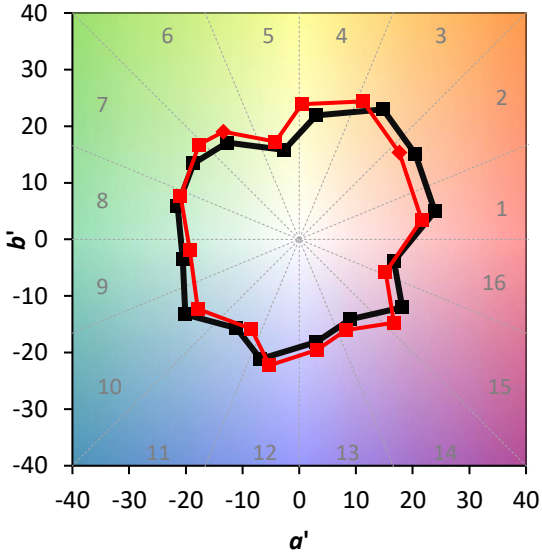
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

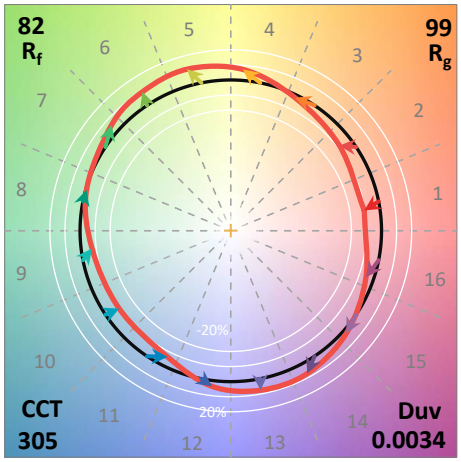
Spectral Power Distribution Comparison

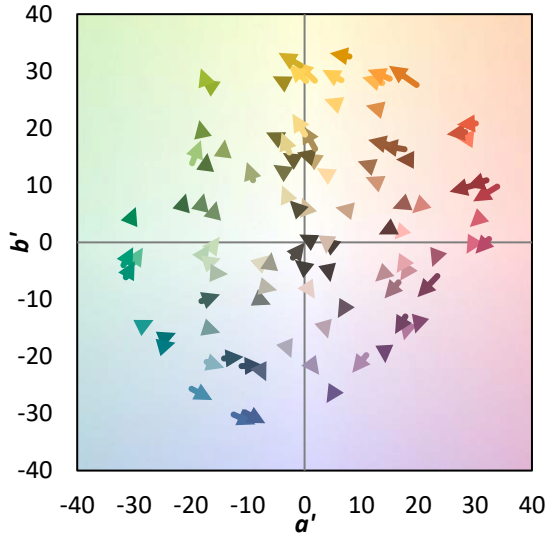


Color Vector Graphics







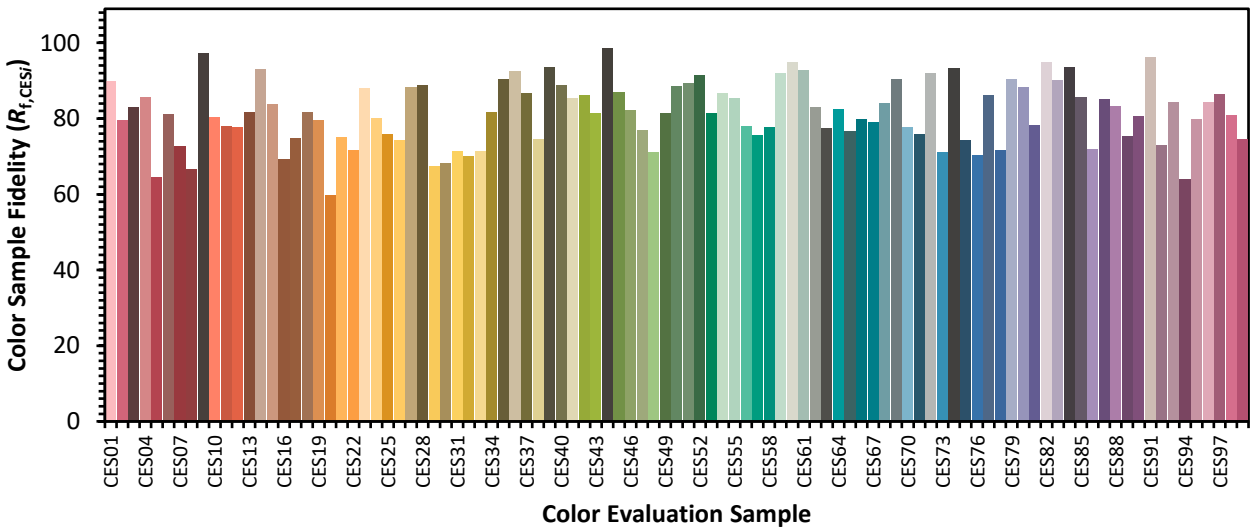


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

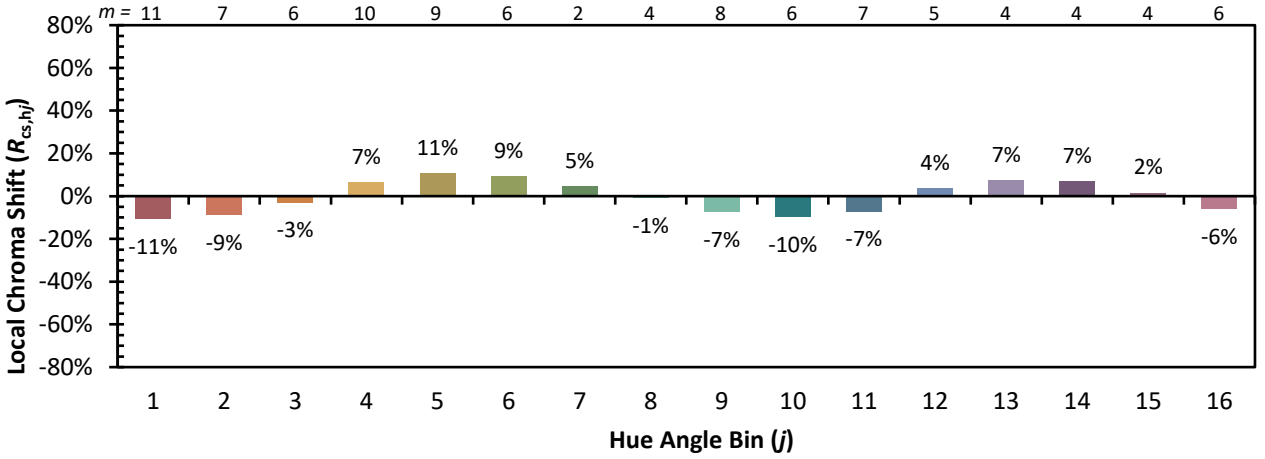
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

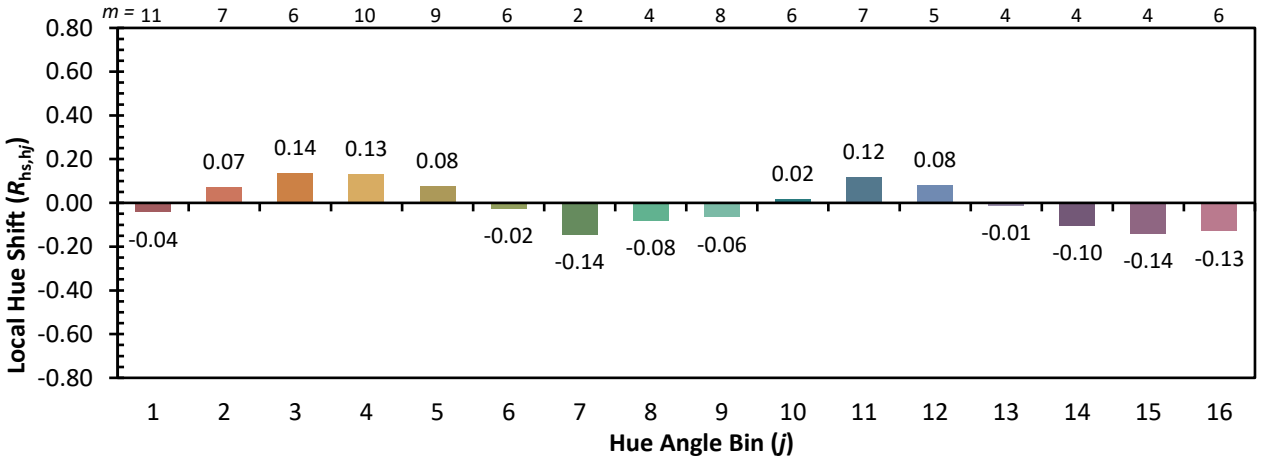


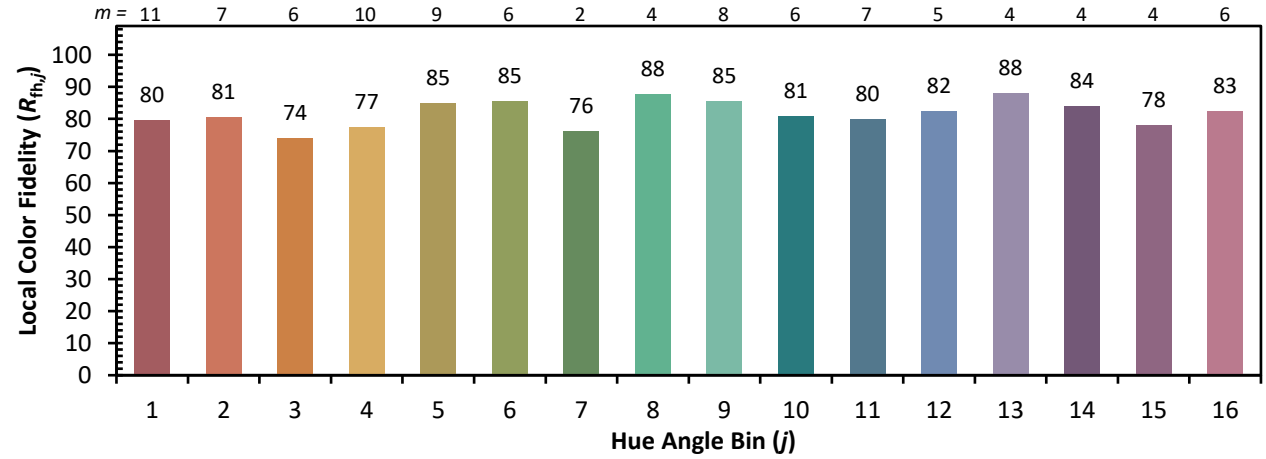
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



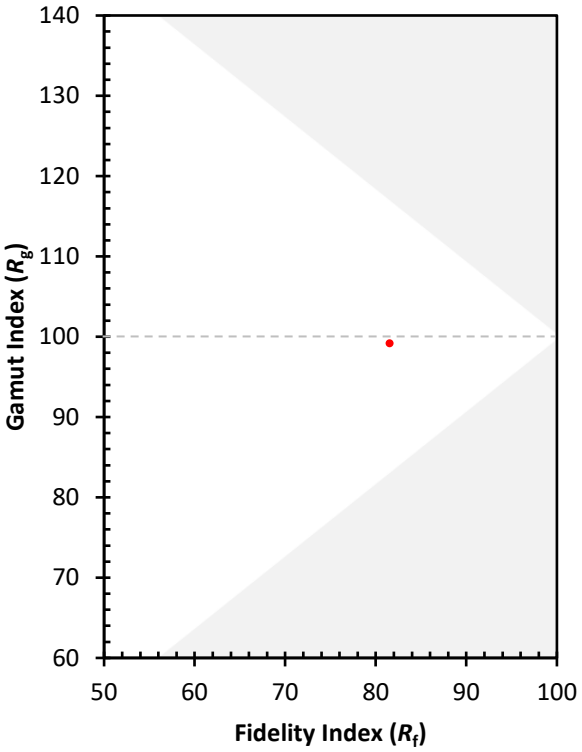


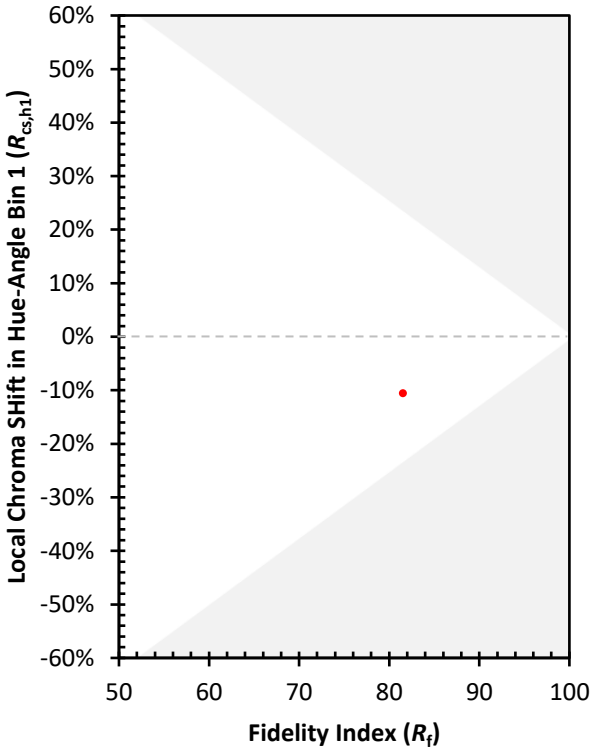


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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