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: P317624

Luminaire Tested: **GLEON-SA0D-830-U-T2R**

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:	P317624
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA0D-830-U-T2R
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(10) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	63579 lumens
Efficiency:	N/A
Efficacy:	99.3 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G5

Input Watts (W):	640
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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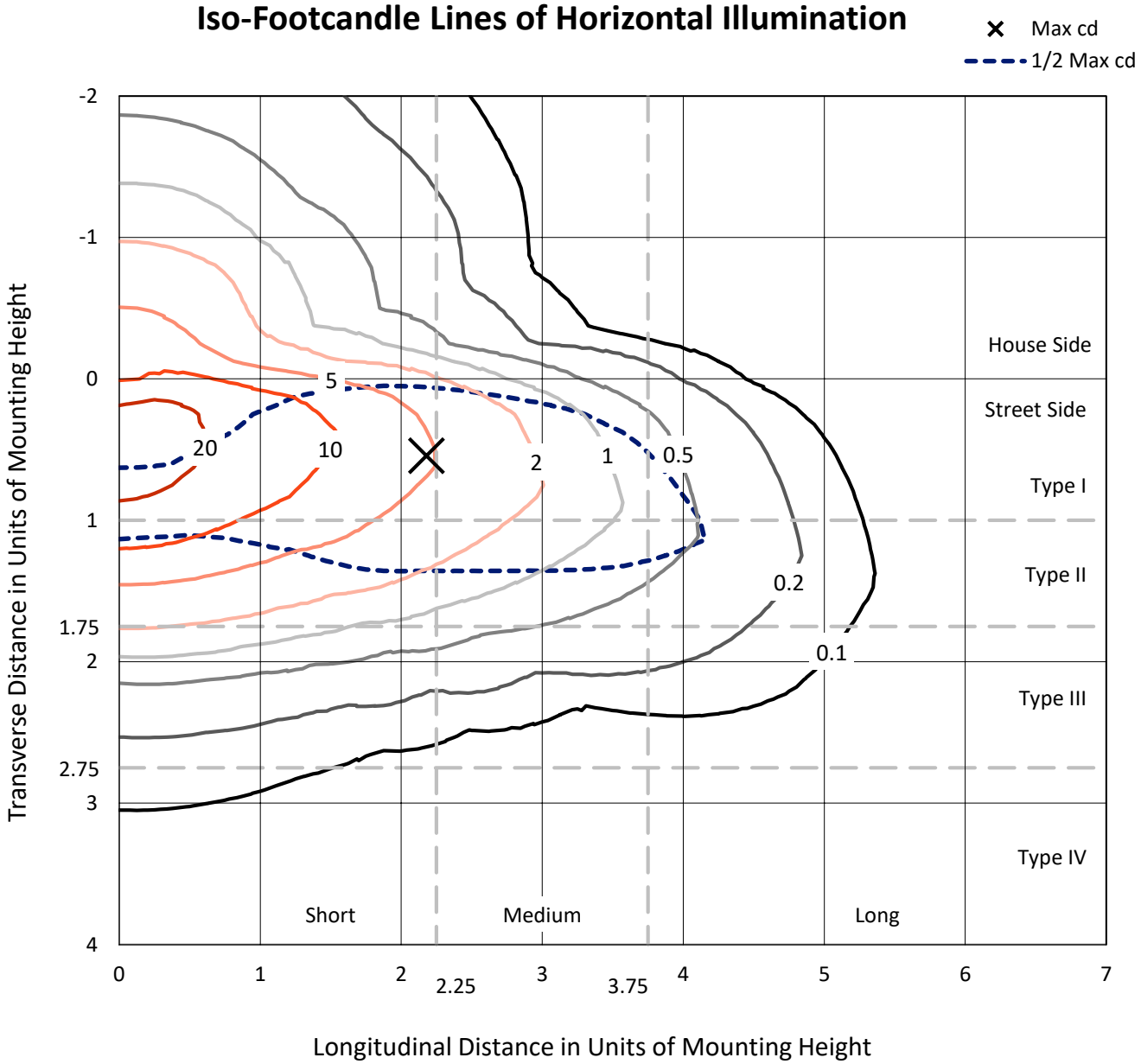
REPORT NUMBER: P317624
CATALOG NUMBER: GLEON-SA0D-830-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 24.6 fc
Type II - Short - N/A

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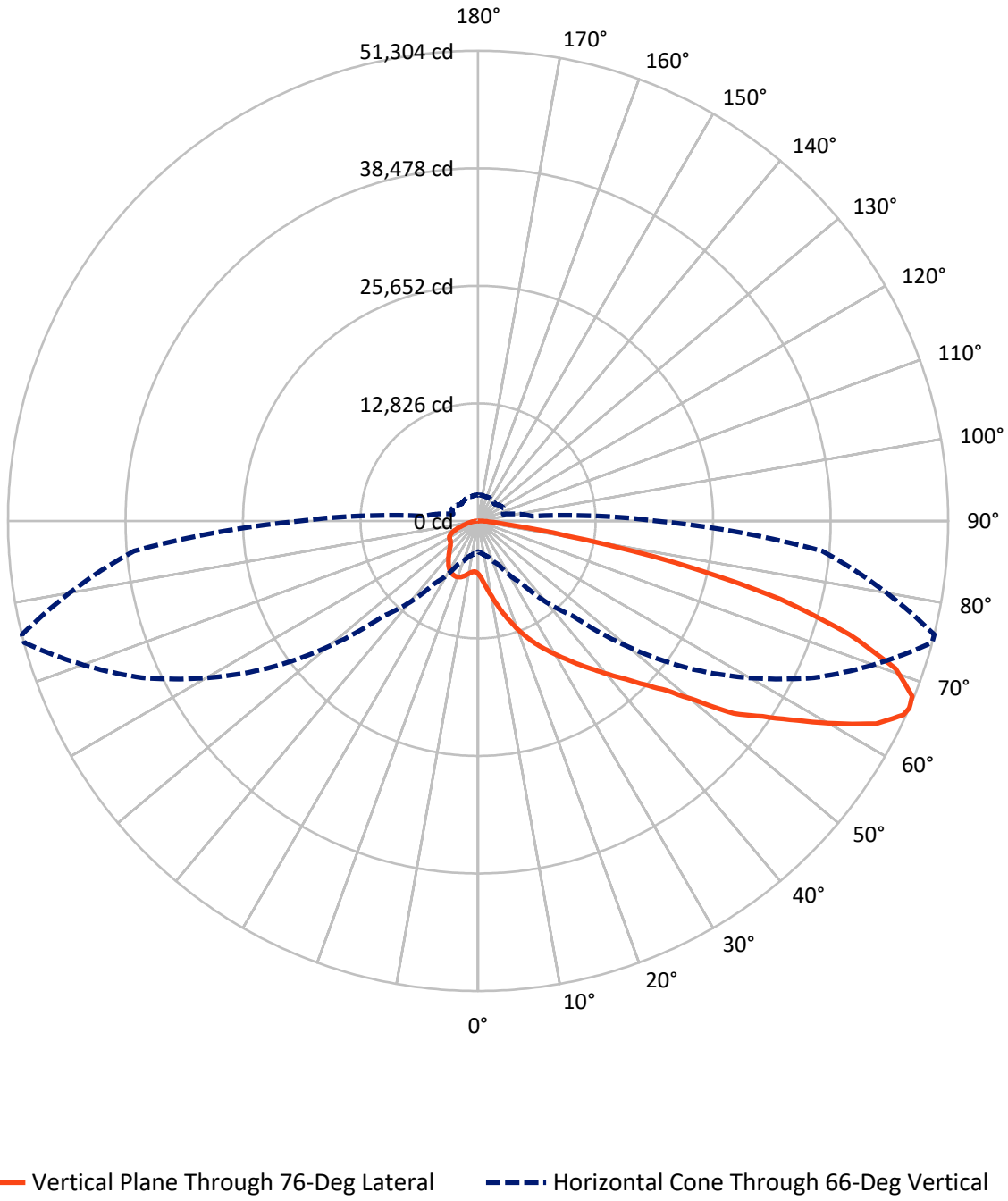
Luminous Intensity Polar Plot



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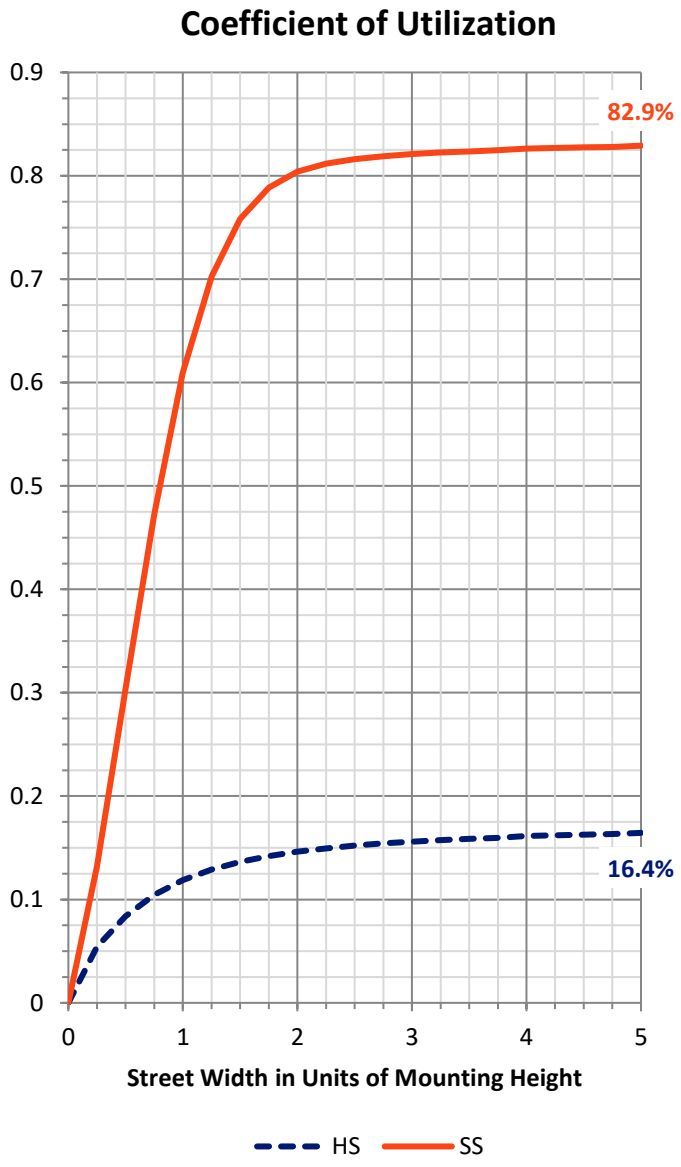
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10698.2	0.0	10698.2
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	52880.8	0.0	52880.8
	% Fixture	83.2	0.0	83.2
Total	Lumens	63579.0	0.0	63579.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	702.1	1.1
10°-20°	2772.7	4.4
20°-30°	5387.9	8.5
30°-40°	8794.3	13.8
40°-50°	12015.1	18.9
50°-60°	13995.2	22.0
60°-70°	12547.0	19.7
70°-80°	6340.7	10.0
80°-90°	1023.9	1.6
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°	63579.0	100.0
0°-180°	63579.0	100.0



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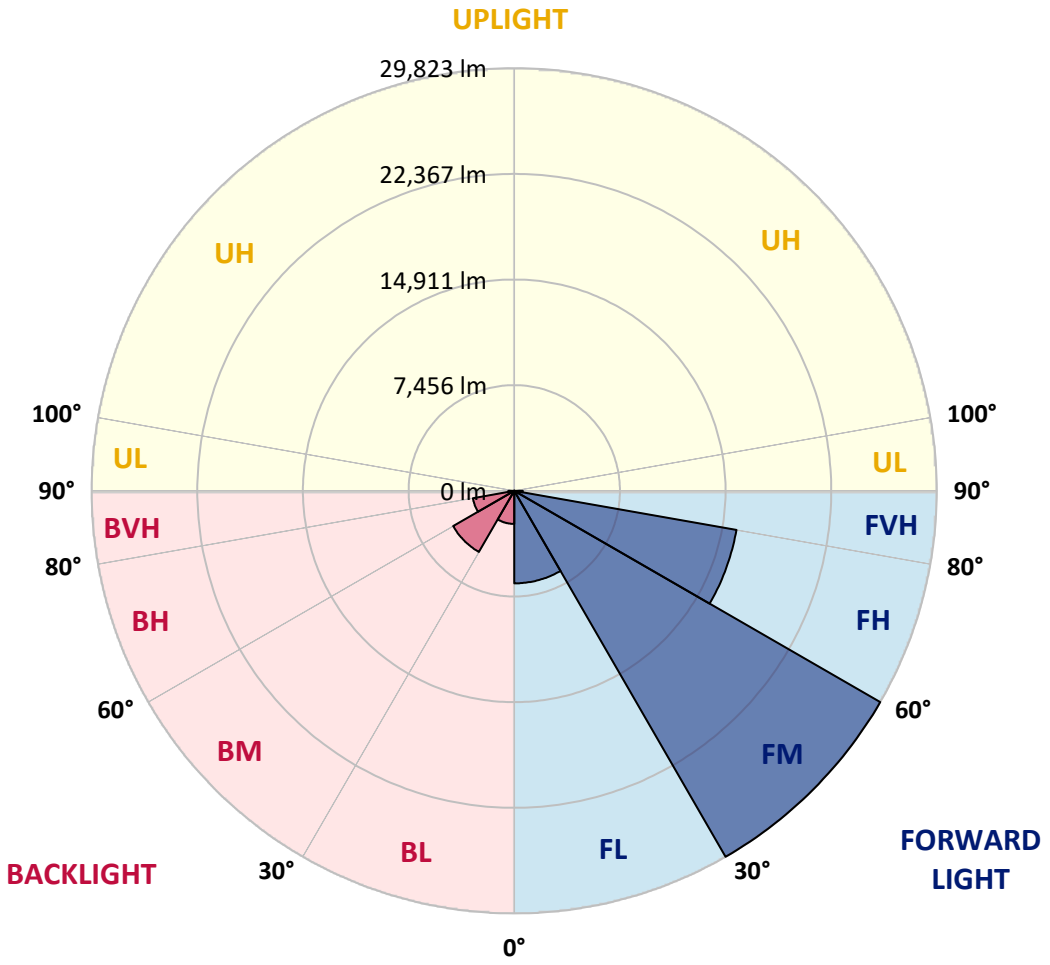
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	6529.4	10.3			
FM	(30°-60°)	29823.0	46.9			
FH	(60°-80°)	15923.8	25.0			G5
FVH	(80°-90°)	604.7	1.0			G4/750
BL	(0°-30°)	2333.3	3.7	B3/2500		
BM	(30°-60°)	4981.7	7.8	B3/5000		
BH	(60°-80°)	2963.9	4.7	B4/5000		G4/5000
BVH	(80°-90°)	419.2	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type II Short



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REPORT NUMBER: P317624
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	5806.2	5806.2	5806.2	5806.2	5806.2	5806.2	5806.2	5806.2	5806.2	*5806.2*	5806.2
2.5°	7707.8	7591.2	7580.4	7409.9	7371.1	7045.1	6805.6	6555.2	6270.3	*6214.1*	5989.7
5°	9900.8	9890.0	9741.0	9462.6	9244.6	8687.7	8137.3	7554.5	6915.6	*6812.0*	6307.0
7.5°	11873.6	11856.3	11741.9	11441.9	11126.7	10442.5	9656.8	8763.3	7727.2	*7574.0*	6736.5
10°	13371.5	13365.0	13326.2	13106.0	12838.4	12182.2	11314.5	10095.0	8670.4	*8461.1*	7273.9
12.5°	14528.4	14541.4	14567.3	14489.6	14362.2	13803.2	12913.9	11506.6	9676.3	*9469.1*	7871.8
15°	15312.0	15350.8	15484.6	15594.7	15661.6	15318.4	14457.2	12950.6	10803.0	*10554.8*	8534.5
17.5°	15706.9	15750.1	15981.1	16313.5	16620.0	16585.4	15901.2	14327.7	11884.4	*11644.8*	9246.7
20°	16048.0	16080.4	16339.4	16738.7	17280.5	17520.0	17135.8	15653.0	13069.3	*12784.4*	10002.2
22.5°	17036.5	17077.6	17155.3	17381.9	17861.1	18301.4	18115.8	16907.0	14155.0	*13889.5*	10718.8
25°	18944.6	18994.2	18825.9	18633.8	18724.4	19030.9	19065.5	18051.0	15255.8	*14955.8*	11489.4
27.5°	21243.3	21314.6	21027.5	20533.2	20101.5	19982.8	19941.8	18987.8	16307.0	*15959.5*	12251.3
30°	23494.6	23617.6	23244.2	22603.2	21811.0	21254.1	20841.9	19905.1	17343.0	*17010.6*	12970.1
32.5°	25694.0	25644.4	25102.6	24476.7	23548.6	22851.4	21854.2	20889.4	18508.6	*18126.6*	13684.5
35°	27200.6	27217.9	26715.0	25972.5	25087.5	24552.2	23209.7	21951.3	19697.9	*19346.1*	14496.1
37.5°	28482.7	28402.9	27833.1	27140.2	26378.3	26149.5	24796.1	23121.2	20986.5	*20602.3*	15359.4
40°	28910.1	28817.3	28443.9	27945.3	27334.5	27315.0	26546.6	24446.5	22443.4	*22063.5*	16332.9
42.5°	28651.1	28532.4	28379.1	28243.2	28055.4	28141.7	28191.4	26000.5	24045.0	*23619.8*	17459.6
45°	27694.9	27515.8	27623.7	27919.4	28327.3	28815.1	29676.4	27720.8	25838.7	*25482.5*	18782.7
47.5°	26225.0	26063.1	26399.8	27032.3	28141.7	29376.3	31081.5	29620.2	27979.8	*27625.8*	20667.0
50°	24157.2	24204.7	24686.0	25836.5	27513.6	29635.3	32812.6	32134.8	31092.3	*30762.1*	23237.7
52.5°	20764.2	20772.8	22128.3	24016.9	26399.8	29501.5	33773.1	35348.7	35342.3	*34942.9*	25685.4
55°	17612.8	17805.0	18877.7	21388.0	24595.4	28966.2	34444.3	36911.4	38133.1	*37664.7*	27966.9
57.5°	14534.9	14647.2	15663.8	18184.8	22020.4	27539.5	35132.9	38787.1	41349.2	*41053.5*	30803.1
60°	11033.9	11206.6	12257.8	14586.7	18726.6	25007.7	35197.6	40744.8	45193.4	*44895.5*	33969.5
62.5°	7161.7	7459.6	8443.8	10626.0	14742.1	21366.4	33695.4	42024.8	48836.8	*48731.0*	36779.8
65°	4116.1	4340.6	5024.8	6708.4	10170.6	16794.8	30123.2	41532.7	51079.4	*51019.0*	37830.9
66°	*3362.8*	*3503.1*	*4027.6*	*5242.8*	*8392.0*	*14748.6*	*28046.7*	*40494.4*	*51301.7*	*51303.9*	*37710.1*
67.5°	2689.4	2752.0	2987.3	3753.5	6192.6	11690.1	24336.4	38204.3	51025.5	*51101.0*	36930.9
70°	2225.3	2257.7	2331.1	2516.7	3380.1	7049.5	17274.0	32253.5	48251.9	*48310.1*	33889.6
72.5°	1996.6	2016.0	2044.0	2069.9	2385.1	3939.1	10550.4	25802.0	42305.4	*42380.9*	29255.5
75°	1808.8	1819.6	1815.2	1817.4	2000.9	2510.3	5452.2	19264.1	34206.9	*34055.8*	22411.1
77.5°	1588.6	1599.4	1577.8	1582.1	1769.9	1929.6	2713.2	13485.9	23084.5	*22018.2*	12626.9
80°	1342.5	1351.2	1342.5	1357.7	1541.1	1456.9	1577.8	7586.9	10207.3	*9654.7*	4489.5
82.5°	1014.5	1051.2	1077.1	1137.5	1269.2	1036.0	1055.5	2954.9	3108.1	*2959.2*	1377.1
85°	444.6	541.8	811.6	869.9	954.0	621.6	692.9	1204.4	1264.8	*1226.0*	500.8
87.5°	116.6	127.3	401.5	505.1	528.8	280.6	360.5	548.2	578.5	*548.2*	166.2
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: P317624
CATALOG NUMBER: GLEON-SA0D-830-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5806.2	5806.2	5806.2	5806.2	5806.2	5806.2	5806.2	5806.2	5806.2	5806.2	5806.2
2.5°	5870.9	5765.2	5575.2	5406.9	5279.5	5193.2	5106.9	5063.7	5037.8	5011.9	5016.2
5°	6058.7	5845.0	5519.1	5288.2	5158.7	5076.6	5033.5	5016.2	5005.4	4979.5	4979.5
7.5°	6341.5	6039.3	5590.4	5352.9	5251.5	5188.9	5163.0	5154.3	5141.4	5111.2	5115.5
10°	6697.6	6274.6	5739.3	5508.3	5415.5	5346.4	5309.8	5296.8	5273.1	5238.5	5242.8
12.5°	7116.4	6566.0	5935.7	5694.0	5581.7	5488.9	5428.5	5391.8	5350.8	5305.4	5307.6
15°	7574.0	6883.3	6147.2	5860.2	5706.9	5577.4	5480.3	5417.7	5352.9	5296.8	5294.6
17.5°	8038.0	7189.8	6309.1	5950.8	5743.6	5573.1	5441.4	5344.3	5264.4	5195.4	5188.9
20°	8538.8	7466.0	6399.8	5942.2	5674.5	5471.6	5296.8	5175.9	5087.4	5018.4	5007.6
22.5°	9048.2	7725.0	6414.9	5853.7	5521.3	5273.1	5089.6	4955.8	4865.1	4793.9	4768.0
25°	9514.4	7925.8	6352.3	5683.2	5307.6	5040.0	4860.8	4724.8	4651.4	4567.3	4541.4
27.5°	9939.6	8066.1	6227.1	5465.2	5068.0	4804.7	4636.3	4519.8	4439.9	4375.2	4353.6
30°	10321.6	8141.6	6022.0	5206.2	4821.9	4582.4	4439.9	4360.0	4291.0	4209.0	4193.8
32.5°	10684.3	8141.6	5758.7	4923.4	4578.0	4385.9	4301.8	4252.1	4174.4	4094.6	4073.0
35°	11046.9	8092.0	5447.9	4627.7	4353.6	4245.6	4241.3	4183.1	4064.3	3956.4	3928.4
37.5°	11428.9	7990.5	5098.2	4351.4	4170.1	4183.1	4219.7	4090.2	3921.9	3768.6	3727.6
40°	11860.6	7850.2	4735.6	4111.8	4016.9	4155.0	4161.5	3956.4	3628.3	3488.0	3451.3
42.5°	12367.8	7709.9	4398.9	3900.3	3896.0	4070.8	4051.4	3667.2	3470.8	3399.5	3380.1
45°	13034.8	7630.1	4079.4	3699.6	3801.0	3934.8	3863.6	3507.5	3425.4	3384.4	3367.2
47.5°	14086.0	7671.1	3785.9	3539.8	3706.0	3798.8	3513.9	3442.7	3384.4	3334.8	3317.5
50°	15402.6	7647.3	3548.5	3429.8	3598.1	3656.4	3356.4	3358.5	3328.3	3272.2	3246.3
52.5°	16393.3	7461.7	3395.2	3367.2	3503.1	3403.9	3257.1	3276.5	3261.4	3179.4	3151.3
55°	17349.5	7302.0	3317.5	3343.4	3434.1	3088.7	3140.5	3188.0	3172.9	3093.0	3080.1
57.5°	18538.8	7271.8	3270.0	3349.9	3375.8	2931.2	3028.3	3090.9	3080.1	3045.6	3039.1
60°	19995.8	7280.4	3226.9	3360.7	3311.0	2814.6	2922.5	3002.4	3008.9	3002.4	2998.1
62.5°	20796.5	7045.1	3118.9	3330.5	3196.6	2713.2	2812.4	2929.0	2931.2	2944.1	2942.0
65°	20116.6	6341.5	2918.2	3224.7	3004.5	2629.0	2717.5	2844.8	2812.4	2870.7	2870.7
66°	*19456.2*	*5935.7*	*2818.9*	*3155.6*	*2922.5*	*2596.6*	*2687.3*	*2801.7*	*2760.6*	*2840.5*	*2840.5*
67.5°	18107.1	5251.5	2639.8	3008.9	2806.0	2551.3	2652.7	2730.4	2674.3	2793.0	2784.4
70°	15642.2	4062.2	2279.3	2676.5	2613.9	2484.4	2605.2	2588.0	2505.9	2687.3	2652.7
72.5°	13188.1	3086.6	1830.4	2240.5	2322.5	2400.2	2538.3	2406.7	2303.1	2430.4	2354.9
75°	10233.2	2320.3	1446.2	1741.9	1962.0	2268.5	2458.5	2197.3	2048.4	2035.4	1994.4
77.5°	5532.1	1592.9	1146.1	1329.6	1558.4	2104.5	2404.5	1972.8	1748.3	1696.5	1664.2
80°	2190.8	1036.0	833.2	1008.0	1090.0	1867.0	2275.0	1711.6	1441.8	1390.0	1340.4
82.5°	904.4	613.0	537.5	675.6	710.1	1597.2	2041.9	1403.0	1113.8	1541.1	1636.1
85°	388.5	336.7	319.4	349.7	401.5	1120.2	1625.3	1070.6	1202.2	1072.7	852.6
87.5°	116.6	142.5	136.0	133.8	146.8	267.6	865.5	595.7	882.8	334.6	250.4
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

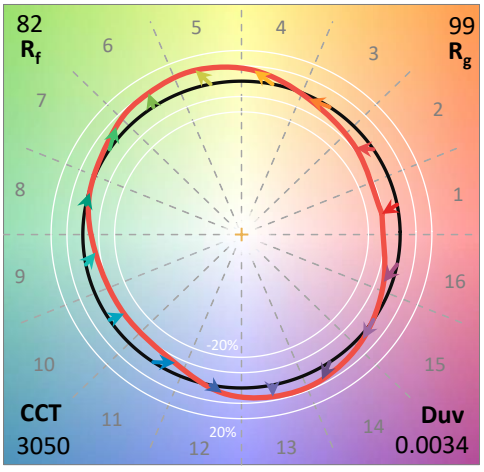
Test Information

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

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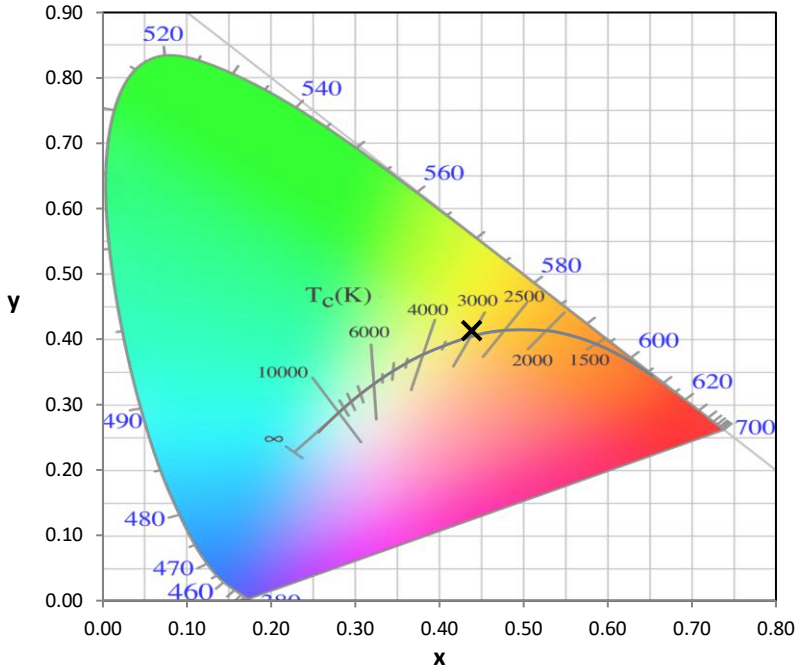
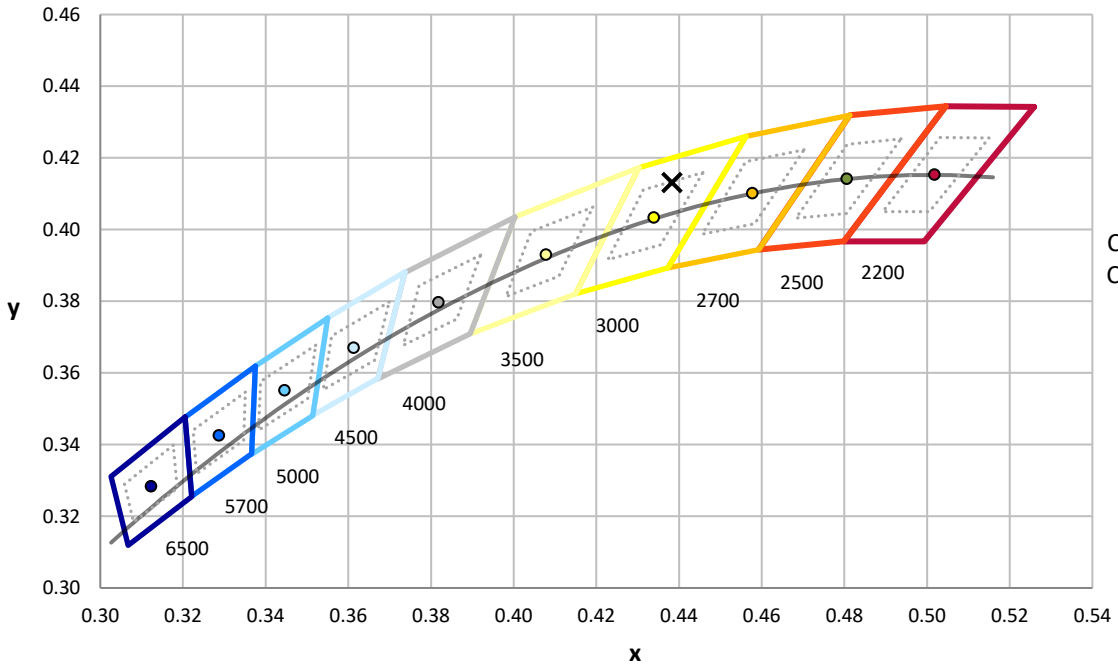
CIE 1931 Chromaticity Diagram



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

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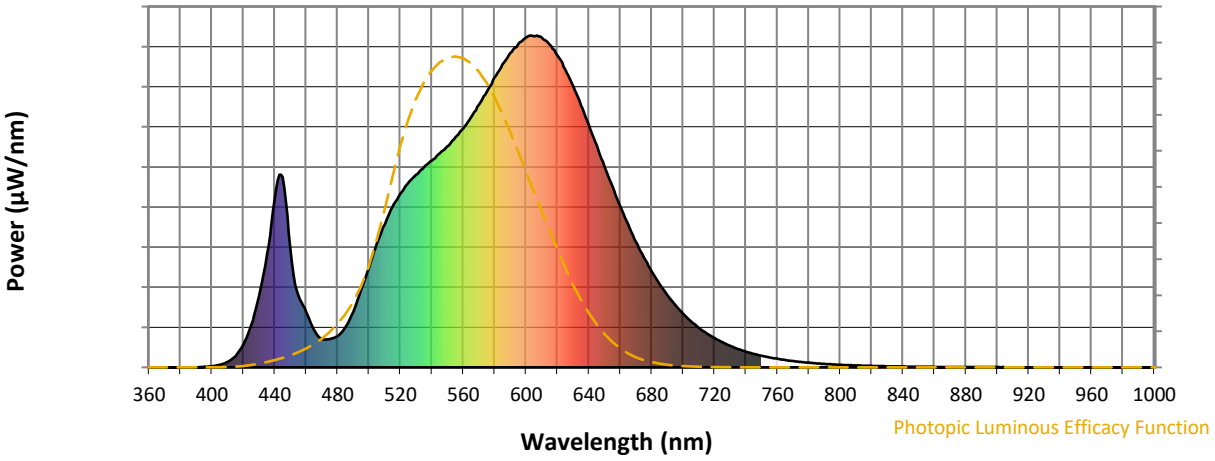
Photopic Flux vs. Wavelength



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			

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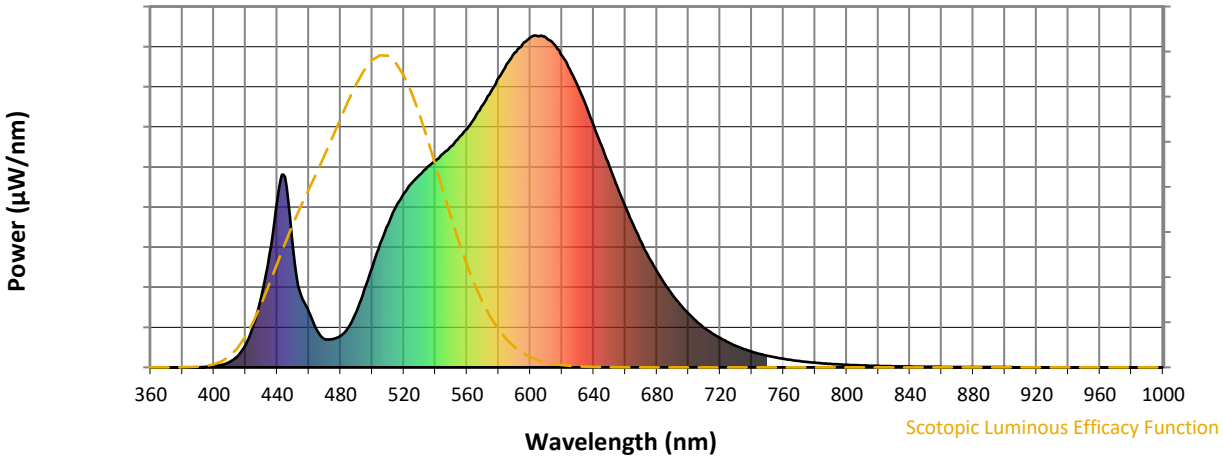
Scotopic Flux vs. Wavelength



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			

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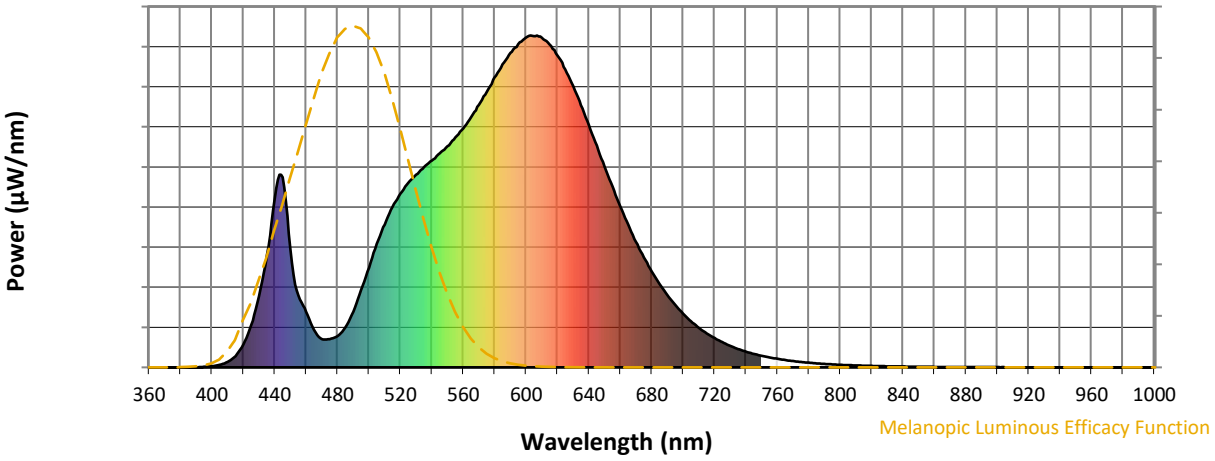
Melanopic Flux vs. Wavelength



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			

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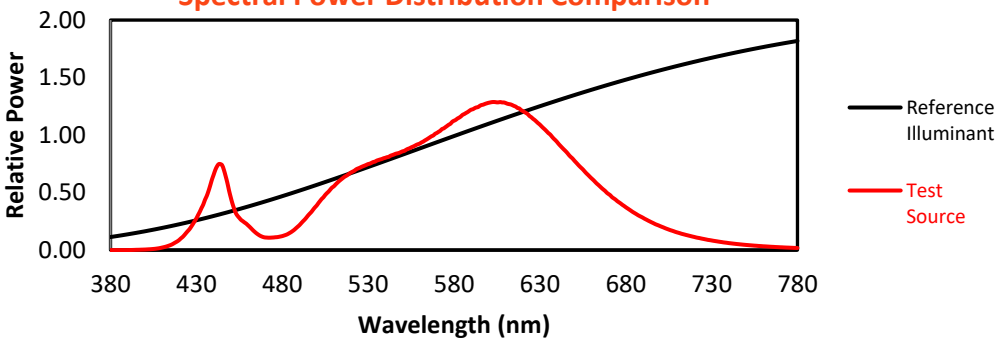
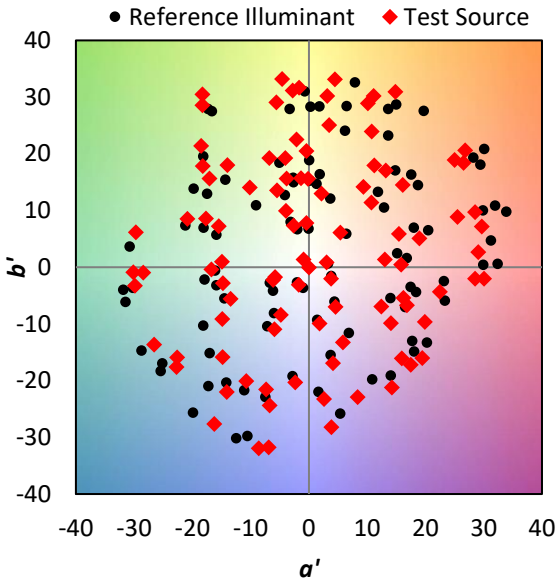
Summary

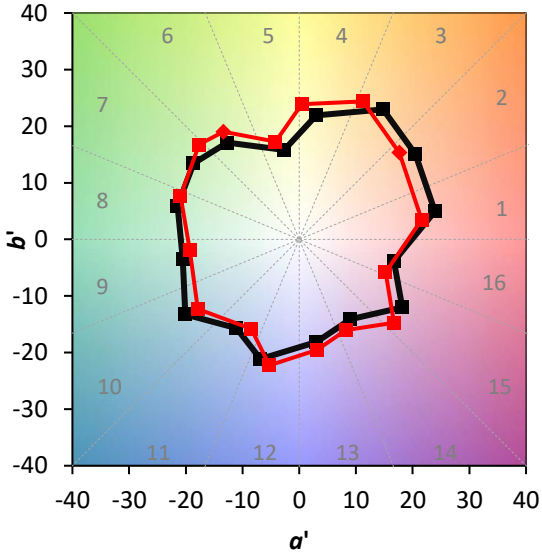
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

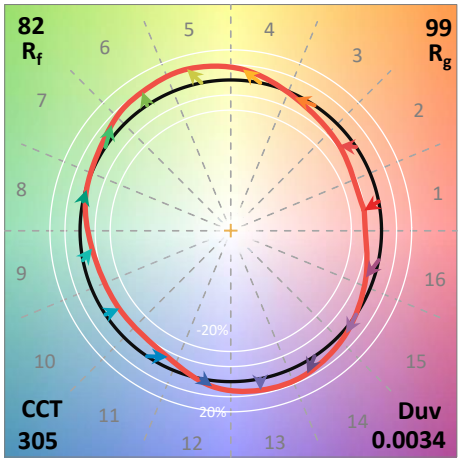
Spectral Power Distribution Comparison

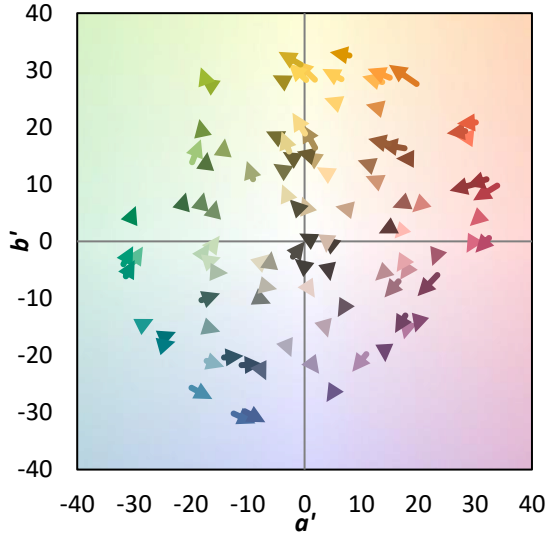


Color Vector Graphics









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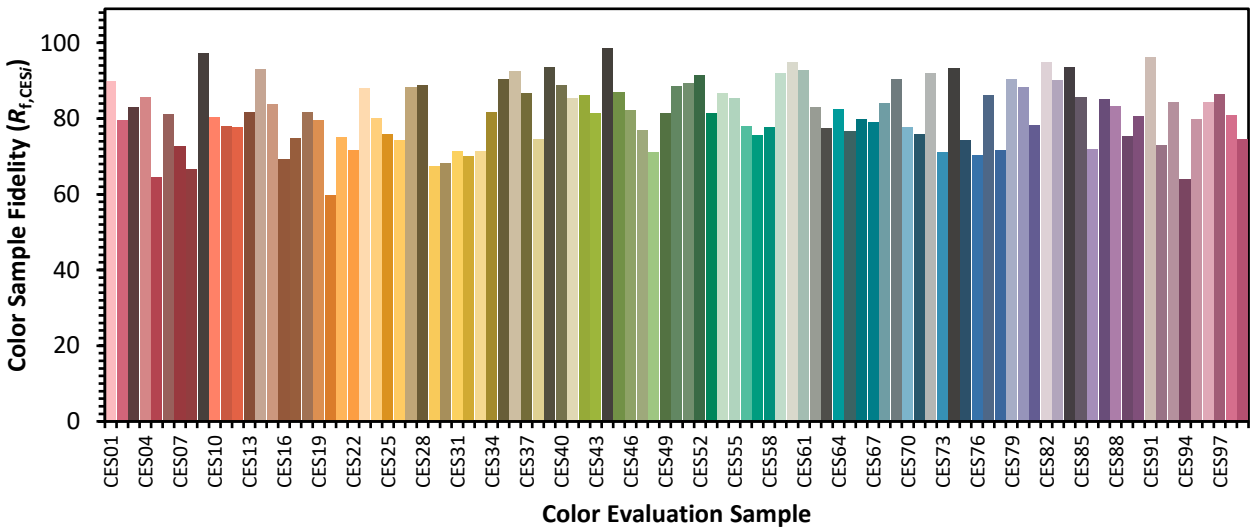
Individual Sample Fidelity Index ($R_{f,i}$)

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	



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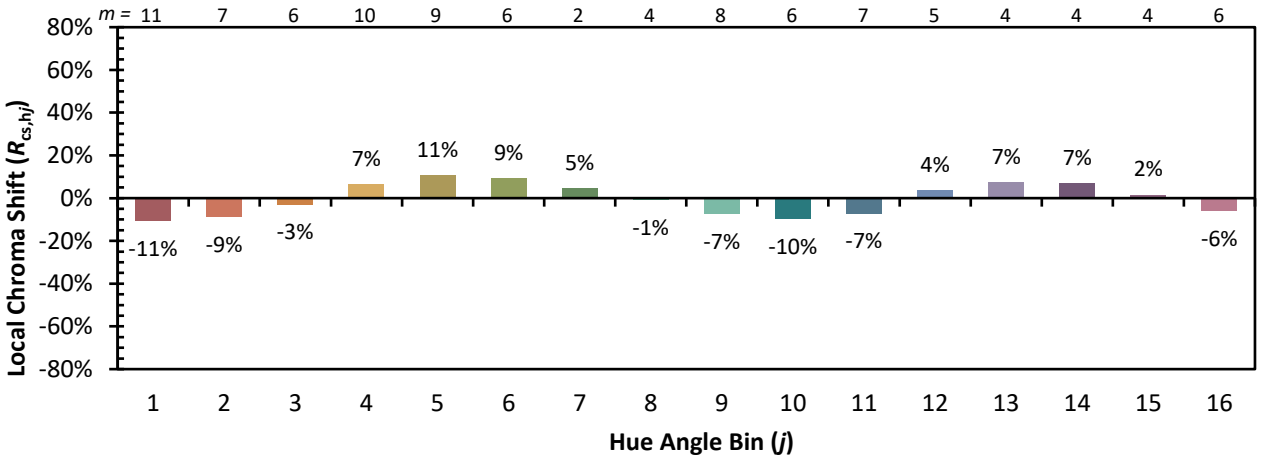
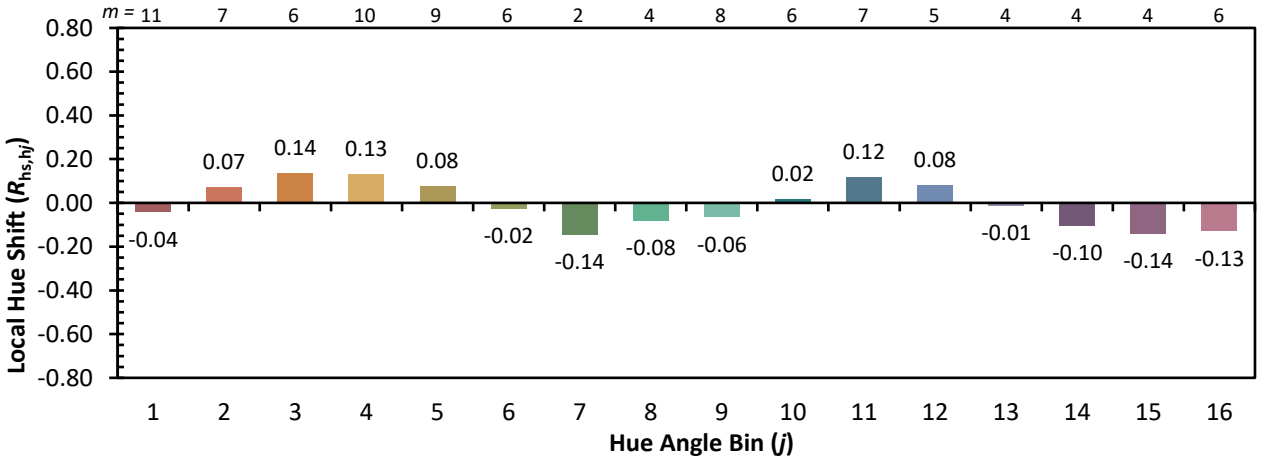
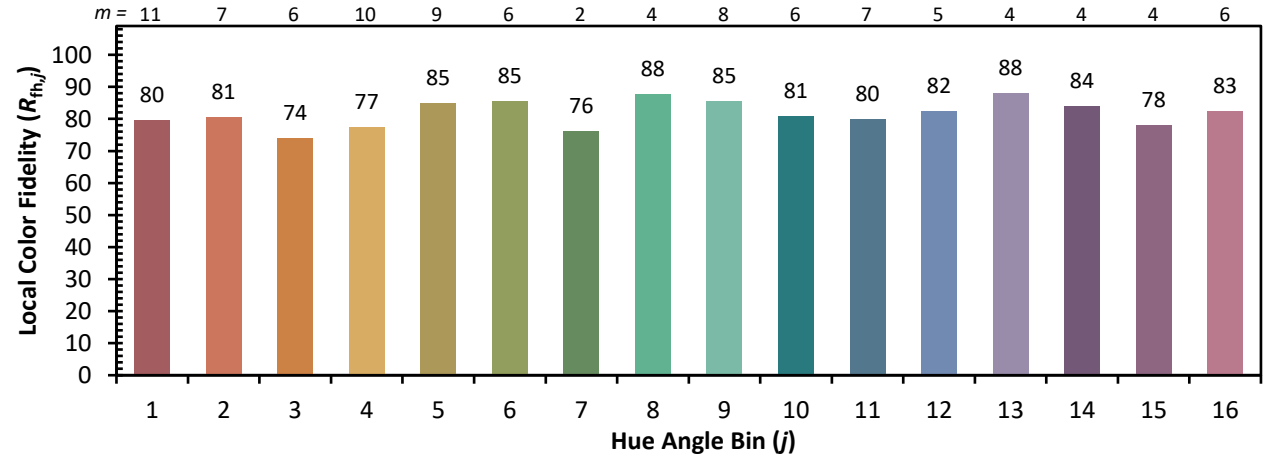
Color Rendition by Hue-Angle Bin







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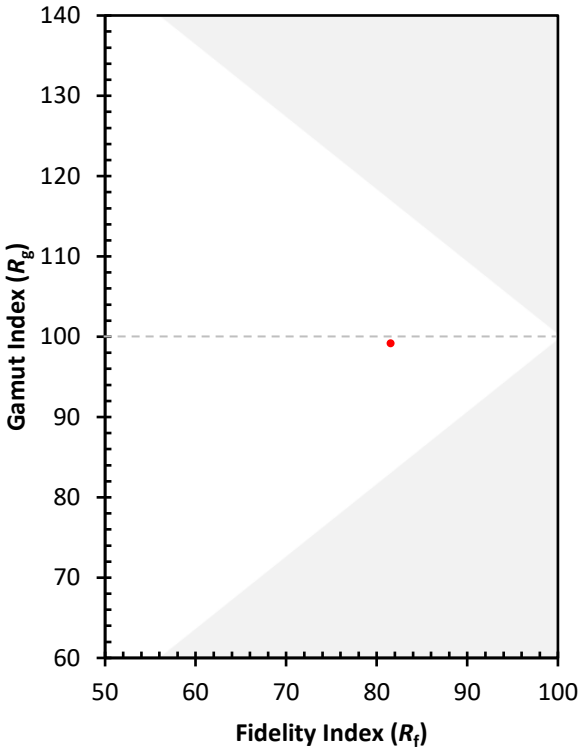
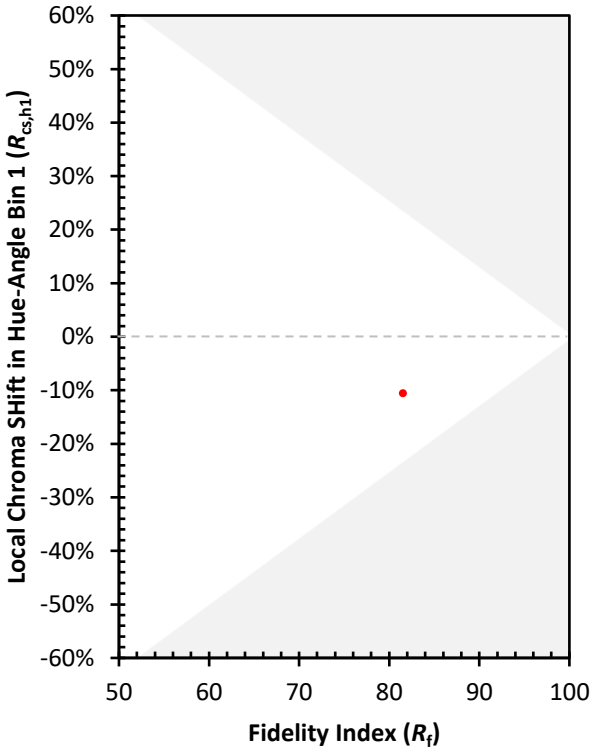
Measure Comparisons





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