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: P318252

Luminaire Tested: **GLEON-SA8C-830-U-T2**

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:	P318252
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA8C-830-U-T2
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	44204 lumens
Efficiency:	N/A
Efficacy:	99.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	445
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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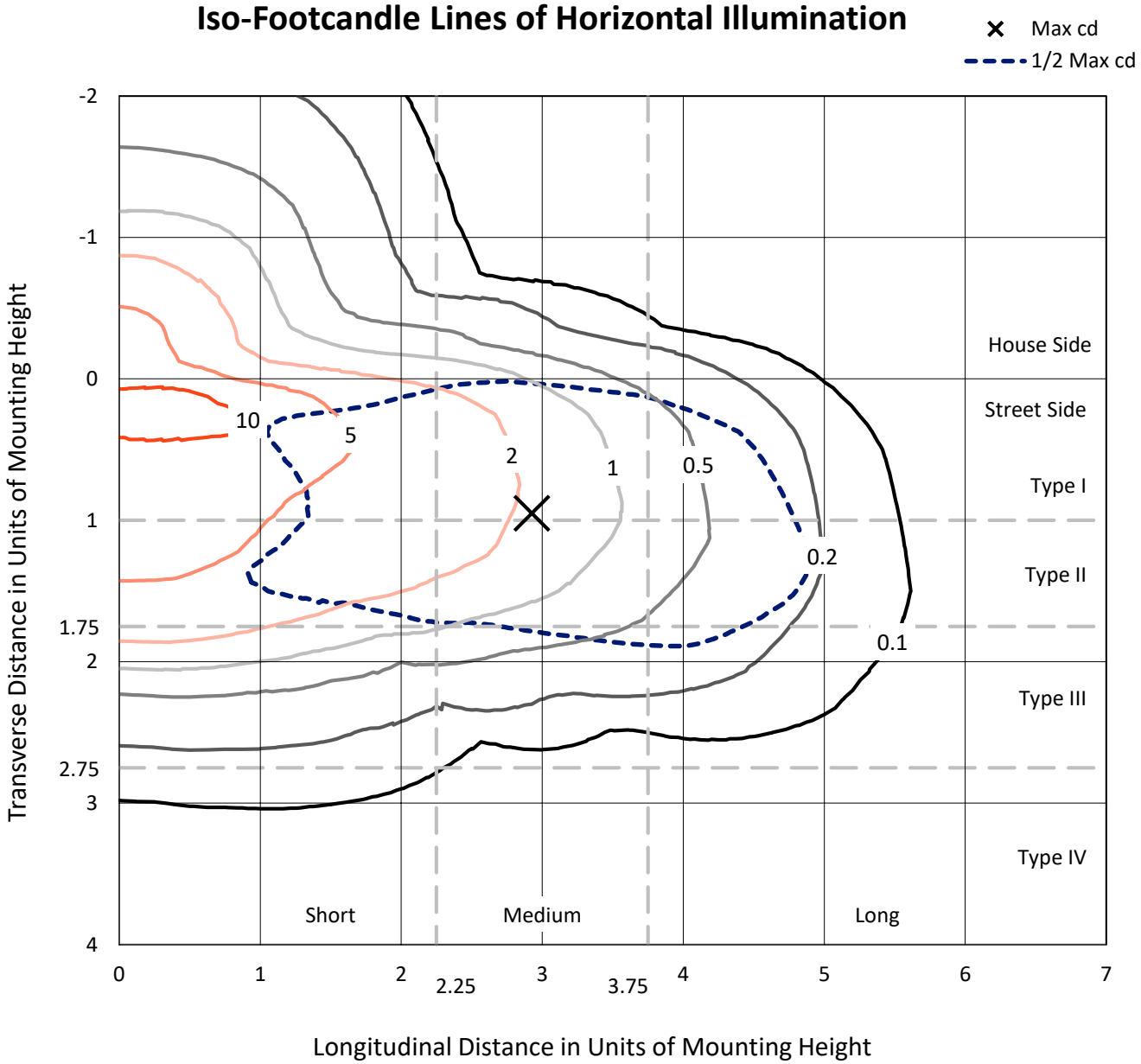
REPORT NUMBER: P318252
CATALOG NUMBER: GLEON-SA8C-830-U-T2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 12 fc
Type III - Medium - N/A

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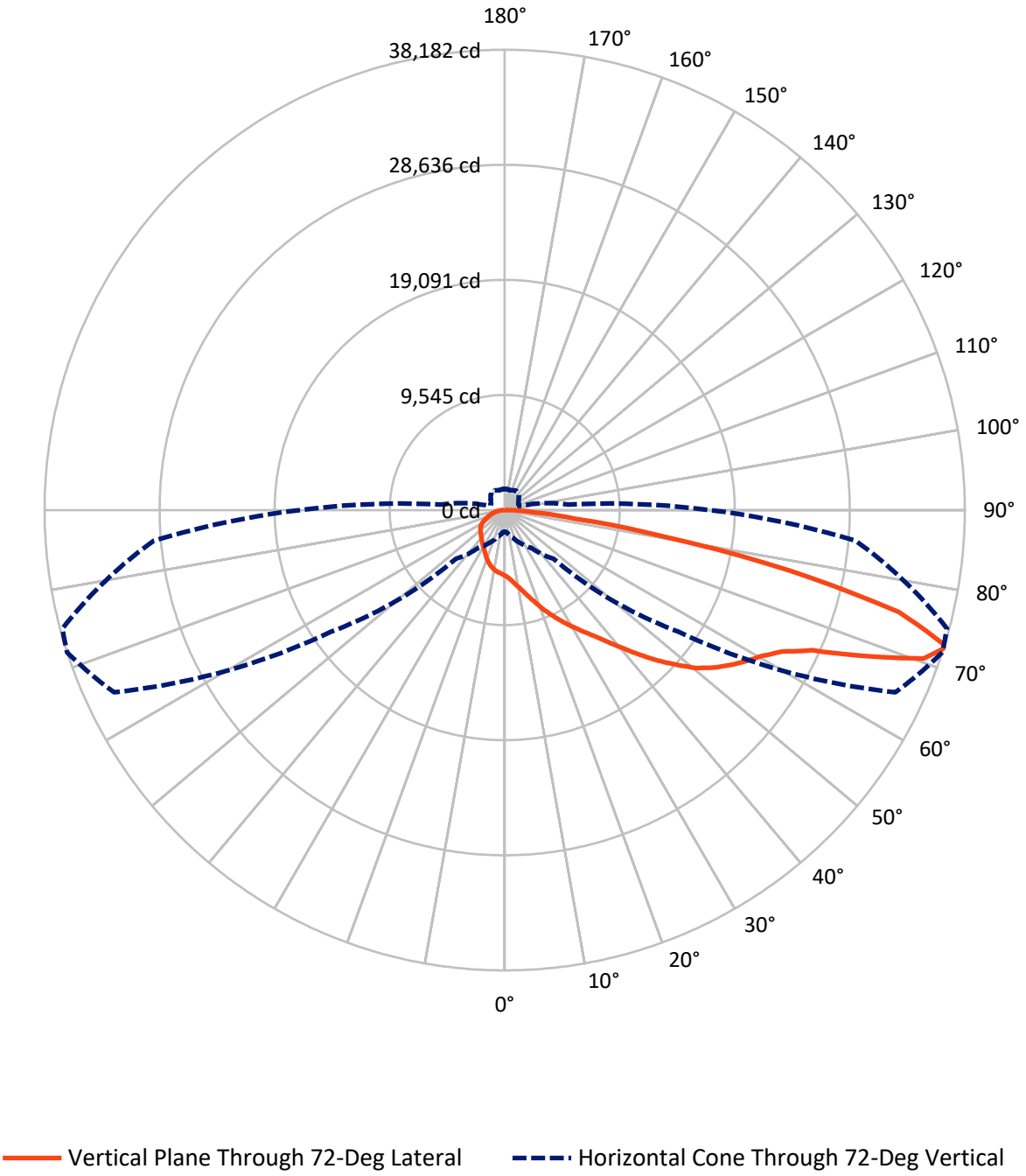
Luminous Intensity Polar Plot



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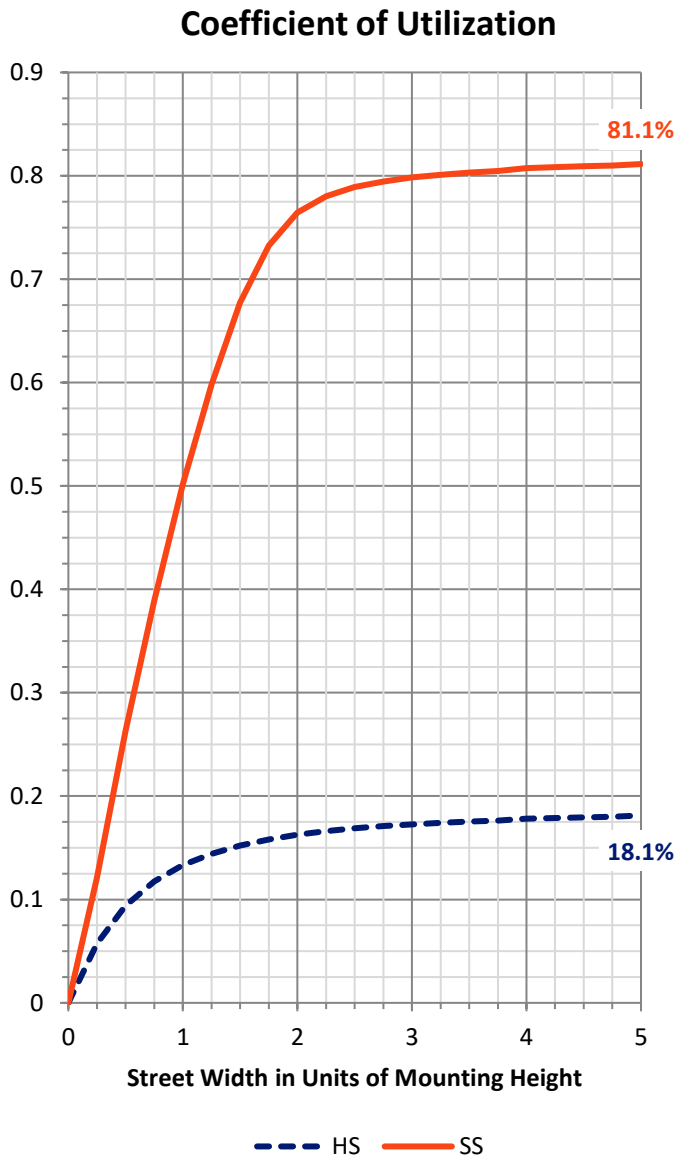
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8200.1	0.0	8200.1
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	36003.9	0.0	36003.9
	% Fixture	81.4	0.0	81.4
Total	Lumens	44204.0	0.0	44204.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.9	1.2
10°-20°	1760.9	4.0
20°-30°	3085.7	7.0
30°-40°	4575.2	10.4
40°-50°	6691.6	15.1
50°-60°	9207.5	20.8
60°-70°	10250.7	23.2
70°-80°	6945.9	15.7
80°-90°	1141.6	2.6
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°	44204.0	100.0
0°-180°	44204.0	100.0



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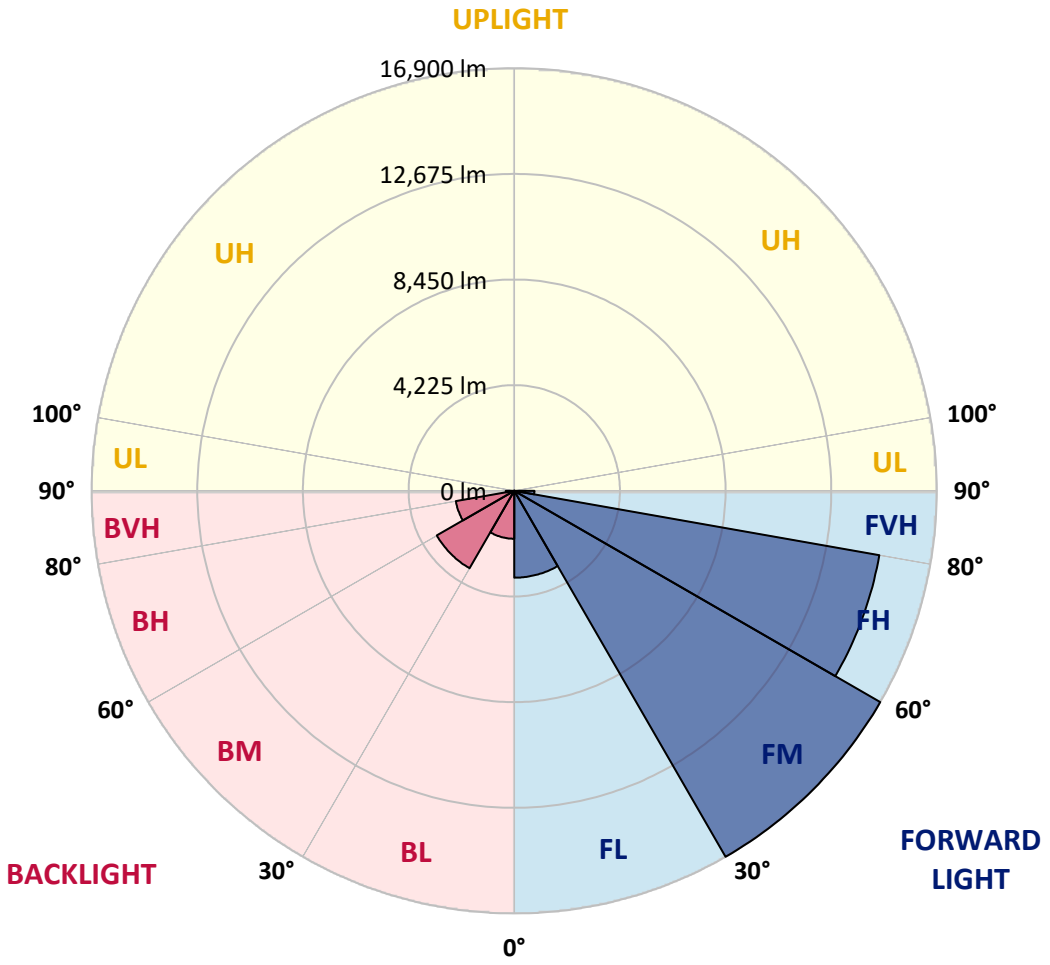
CATALOG NUMBER: GLEON-SA8C-830-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3474.7	7.9			
FM	(30°-60°)	16899.7	38.2			
FH	(60°-80°)	14824.2	33.5			G5
FVH	(80°-90°)	805.3	1.8			G5
BL	(0°-30°)	1916.9	4.3	B3/2500		
BM	(30°-60°)	3574.5	8.1	B3/5000		
BH	(60°-80°)	2372.4	5.4	B3/2500		G3/2500
BVH	(80°-90°)	336.3	0.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	5438.2	5438.2	5438.2	5438.2	5438.2	5438.2	5438.2	5438.2	5438.2	5438.2	5438.2
2.5°	6007.5	5998.4	5966.4	5966.4	5905.5	5853.8	5756.4	5690.9	5613.3	5585.9	5494.6
5°	6588.9	6592.0	6552.4	6525.0	6435.2	6325.6	6159.7	6009.0	5858.3	5797.4	5610.2
7.5°	7077.5	7071.4	7060.7	7037.9	6954.2	6841.6	6617.8	6394.1	6171.9	6080.5	5757.9
10°	7391.0	7404.7	7413.9	7424.5	7389.5	7308.8	7097.3	6824.8	6534.1	6409.3	5934.4
12.5°	7549.3	7573.7	7616.3	7689.3	7747.2	7738.0	7584.3	7295.1	6949.6	6792.9	6155.1
15°	7642.2	7674.1	7741.1	7872.0	8034.8	8127.7	8086.6	7824.8	7439.7	7246.4	6424.5
17.5°	7700.0	7725.9	7829.4	8004.4	8246.4	8493.0	8601.0	8381.9	7993.7	7773.1	6733.5
20°	7739.6	7759.4	7888.7	8094.2	8407.7	8800.4	9101.8	9047.0	8604.1	8317.9	7056.2
22.5°	7827.8	7844.6	7967.9	8174.9	8521.9	9028.7	9584.3	9666.5	9247.9	8923.7	7401.7
25°	8074.4	8074.4	8177.9	8322.5	8648.2	9226.6	9992.2	10356.0	9905.4	9528.0	7721.3
27.5°	8544.7	8540.2	8578.2	8628.4	8875.0	9427.5	10356.0	10964.8	10587.3	10174.8	8031.8
30°	9101.8	9132.2	9136.8	9112.4	9228.1	9678.6	10692.3	11607.1	11273.7	10829.3	8349.9
32.5°	9818.7	9838.5	9815.6	9735.0	9718.2	10034.8	11022.6	12279.8	12016.5	11512.7	8640.6
35°	10728.9	10690.8	10619.3	10454.9	10298.1	10511.2	11400.1	12952.6	12850.6	12339.2	9040.9
37.5°	11704.5	11706.0	11617.7	11244.8	11028.7	11120.0	11920.6	13715.1	13859.7	13322.4	9553.8
40°	12486.8	12527.9	12582.7	12092.6	11812.5	11938.9	12582.7	14599.4	15053.0	14488.3	10222.0
42.5°	13033.2	13080.4	13235.7	12928.2	12637.5	12871.9	13362.0	15543.1	16392.4	15833.8	11004.3
45°	13611.6	13637.5	13747.1	13614.6	13428.9	13957.1	14240.2	16520.2	17809.4	17267.5	11879.5
47.5°	14220.4	14247.8	14360.4	14272.2	14174.7	14970.8	15156.5	17441.0	19167.0	18842.8	12814.0
50°	14972.3	14990.6	15097.1	14937.3	14967.7	15734.8	15975.3	18285.8	20590.1	20258.3	13751.6
52.5°	15998.2	16002.7	16150.4	16005.8	15862.7	16294.9	16680.0	19081.8	21705.8	21549.0	14689.2
55°	16801.8	16850.5	17334.5	17304.1	17221.9	16803.3	17269.1	19839.8	22701.2	22775.8	15684.6
57.5°	16288.9	16479.1	17459.3	18150.3	18823.1	18068.1	18065.1	20693.6	23626.6	23979.7	16779.0
60°	14266.1	14524.8	15969.2	17501.9	19606.9	20269.0	19718.0	21736.2	24561.1	25173.0	18150.3
62.5°	10188.5	10614.7	12572.0	15019.5	18532.3	21727.1	23081.7	23390.7	25832.0	26555.0	19932.6
65°	5150.6	5473.3	7114.0	10062.2	14806.4	20774.3	26737.7	27013.1	28040.5	28682.8	22676.9
67.5°	3129.3	3251.1	4051.7	5596.5	9077.4	16182.3	27930.9	33051.1	32314.4	32655.3	26590.0
70°	2305.9	2395.7	2894.9	3716.8	5220.6	9496.0	24268.9	37360.0	36876.0	36837.9	29481.9
72°	1796.0	1861.5	2302.8	3003.0	3817.3	5697.0	17590.2	35769.4	38181.9	37990.1	29217.1
72.5°	1703.2	1761.0	2162.8	2826.4	3607.2	5164.3	15815.5	34696.4	38087.5	38000.7	28874.6
75°	1340.9	1382.0	1601.2	2185.6	2823.4	2929.9	8666.5	26888.3	33787.7	35192.6	25970.6
77.5°	1109.6	1115.7	1231.3	1590.5	2200.9	2071.5	4257.1	18655.6	24194.3	25739.2	18396.9
80°	904.1	911.7	966.5	1115.7	1665.1	1532.7	2021.3	10727.3	13546.1	13562.9	8748.7
82.5°	719.9	721.4	782.3	815.8	1196.3	1095.9	1158.3	5036.4	5919.2	5693.9	3144.5
85°	506.8	496.2	764.1	669.7	782.3	703.2	639.3	1993.9	2447.4	2340.9	984.8
87.5°	168.9	175.0	339.4	433.8	456.6	398.8	284.6	764.1	923.9	916.3	312.0
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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CATALOG NUMBER: GLEON-SA8C-830-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5438.2	5438.2	5438.2	5438.2	5438.2	5438.2	5438.2	5438.2	5438.2	5438.2	5438.2
2.5°	5465.6	5416.9	5345.4	5266.3	5203.9	5139.9	5092.7	5068.4	5041.0	5018.2	5045.6
5°	5523.5	5432.2	5280.0	5130.8	5021.2	4923.8	4853.8	4817.3	4783.8	4760.9	4764.0
7.5°	5617.8	5470.2	5214.5	4996.9	4844.7	4739.6	4668.1	4643.7	4622.4	4616.3	4624.0
10°	5718.3	5500.6	5127.7	4838.6	4665.0	4578.3	4546.3	4563.1	4578.3	4592.0	4607.2
12.5°	5832.5	5528.0	5001.4	4652.9	4505.2	4471.8	4503.7	4576.8	4630.0	4662.0	4681.8
15°	5981.6	5552.4	4855.3	4467.2	4368.3	4406.3	4514.4	4640.7	4733.5	4792.9	4802.0
17.5°	6118.6	5550.9	4668.1	4280.0	4257.1	4368.3	4531.1	4709.2	4834.0	4917.7	4934.5
20°	6260.1	5509.8	4450.4	4097.3	4144.5	4327.2	4538.7	4753.3	4904.0	5001.4	5024.3
22.5°	6392.6	5438.2	4211.5	3931.4	4050.1	4272.4	4509.8	4727.5	4878.1	4957.3	4981.6
25°	6482.4	5313.4	3969.5	3791.4	3966.4	4205.4	4415.4	4590.5	4703.1	4742.7	4748.8
27.5°	6528.0	5150.6	3741.2	3669.6	3879.7	4095.8	4240.4	4327.2	4359.1	4356.1	4350.0
30°	6534.1	4936.0	3544.8	3570.7	3779.2	3934.5	4003.0	3986.2	3945.1	3875.1	3881.2
32.5°	6514.3	4694.0	3380.4	3476.3	3651.4	3738.1	3741.2	3660.5	3550.9	3439.8	3409.4
35°	6520.4	4456.5	3235.9	3369.8	3496.1	3534.2	3499.2	3380.4	3231.3	3088.2	3057.8
37.5°	6587.4	4249.5	3111.0	3246.5	3324.1	3333.3	3283.0	3158.2	3048.6	2908.6	2896.4
40°	6747.2	4101.9	2992.3	3108.0	3152.1	3156.7	3085.2	2996.9	3006.0	2931.4	2929.9
42.5°	7034.9	4038.0	2887.3	2963.4	2990.8	2999.9	2945.1	2888.8	2968.0	2919.3	2902.5
45°	7406.2	4053.2	2799.0	2821.9	2872.1	2914.7	2881.2	2812.7	2843.2	2631.6	2561.6
47.5°	7835.5	4150.6	2729.0	2700.1	2786.9	2867.5	2815.8	2712.3	2604.2	2394.2	2354.6
50°	8337.7	4301.3	2665.1	2579.9	2694.0	2803.6	2751.8	2604.2	2441.4	2339.4	2325.7
52.5°	8861.3	4485.4	2601.2	2447.4	2576.8	2754.9	2729.0	2579.9	2378.9	2278.5	2260.2
55°	9454.9	4671.1	2520.5	2293.7	2450.5	2732.1	2718.4	2491.6	2331.8	2275.4	2261.7
57.5°	10193.1	4882.7	2414.0	2133.9	2331.8	2649.9	2607.3	2438.3	2283.1	2240.4	2235.9
60°	11155.0	5194.7	2260.2	1963.4	2187.2	2523.5	2514.4	2360.7	2205.4	2175.0	2168.9
62.5°	12597.9	5710.7	2048.7	1793.0	2025.8	2308.9	2392.6	2255.7	2123.2	2121.7	2124.8
65°	14835.3	6486.9	1818.8	1643.8	1863.0	2127.8	2251.1	2147.6	2039.5	2070.0	2074.5
67.5°	17428.9	7130.8	1593.6	1497.7	1697.1	1955.8	2123.2	2039.5	1928.4	2007.6	2009.1
70°	18291.9	6555.4	1395.7	1353.1	1525.1	1789.9	1984.7	1920.8	1808.2	1887.3	1879.7
72°	*17022.5*	*5292.1*	*1267.9*	*1243.5*	*1395.7*	*1652.9*	*1861.5*	*1809.7*	*1698.6*	*1751.9*	*1732.1*
72.5°	16622.2	5045.6	1235.9	1216.1	1360.7	1617.9	1829.5	1782.3	1671.2	1716.9	1698.6
75°	14827.7	4382.0	1062.4	1066.9	1187.2	1447.5	1649.9	1634.7	1520.5	1525.1	1519.0
77.5°	10754.7	3213.0	895.0	925.4	1010.6	1272.4	1468.8	1459.6	1334.8	1312.0	1307.4
80°	4990.8	1639.2	729.1	742.8	831.0	1063.9	1252.6	1240.5	1140.0	1111.1	1094.3
82.5°	1709.2	779.3	547.9	557.1	643.8	856.9	1086.7	1079.1	995.4	939.1	904.1
85°	610.3	388.1	383.6	374.4	459.7	674.3	946.7	905.6	782.3	666.7	663.6
87.5°	197.9	165.9	197.9	196.3	267.9	456.6	688.0	586.0	567.7	471.8	462.7
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

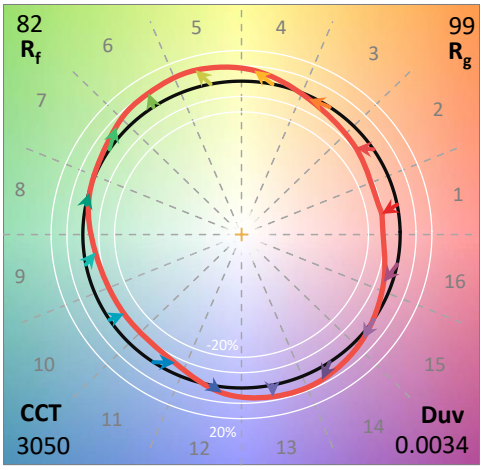
Test Information

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

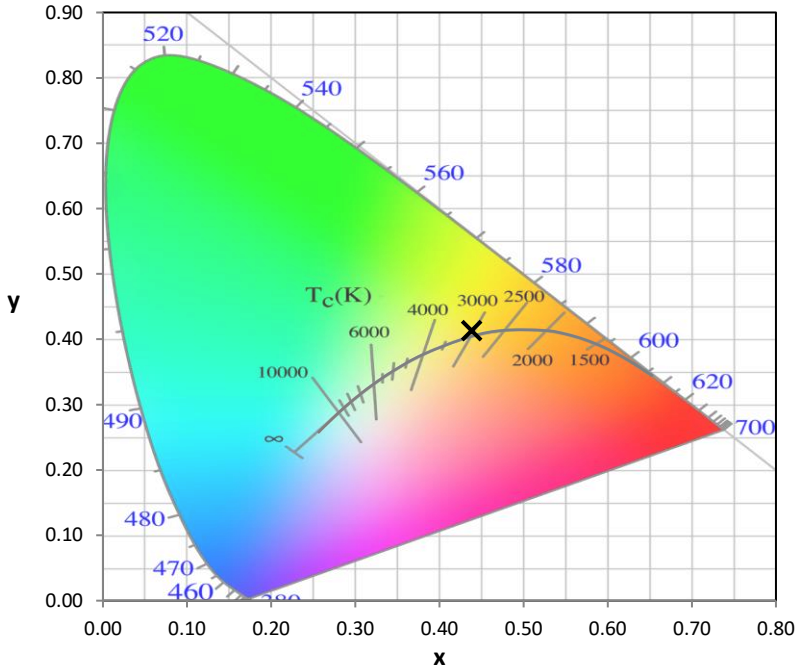
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

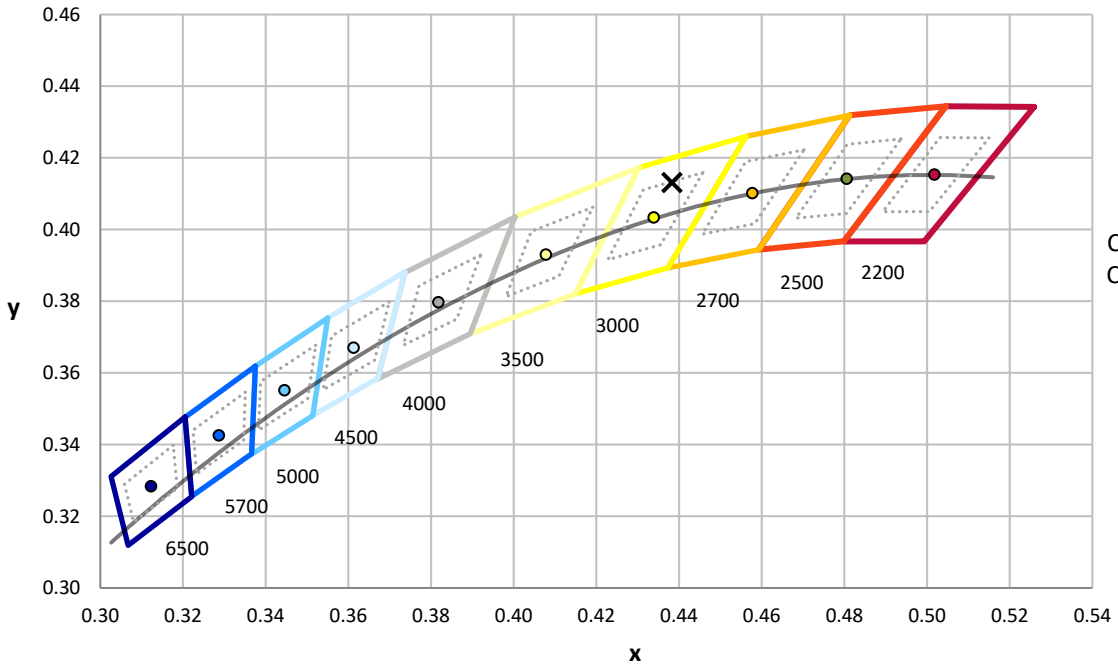
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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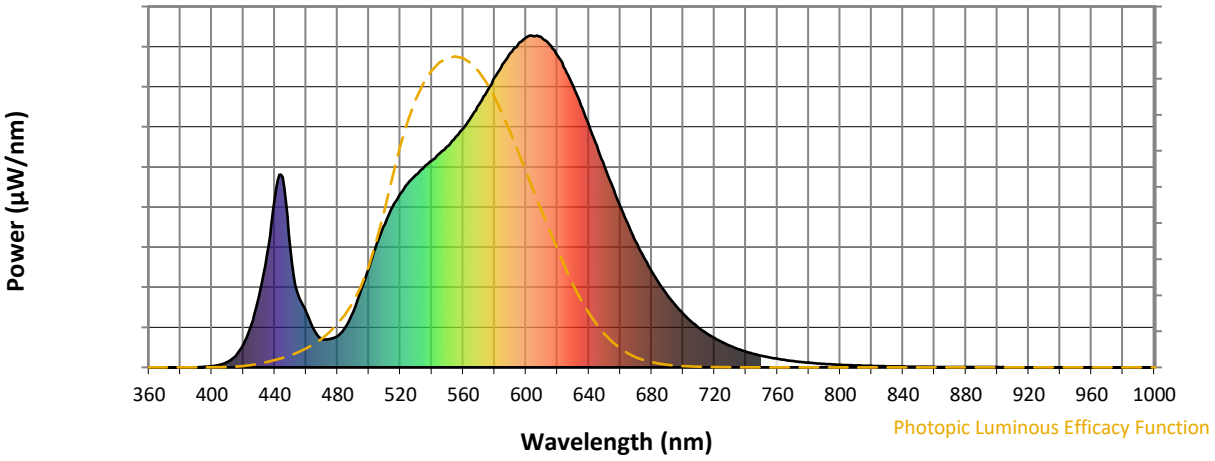
Photopic Flux vs. Wavelength



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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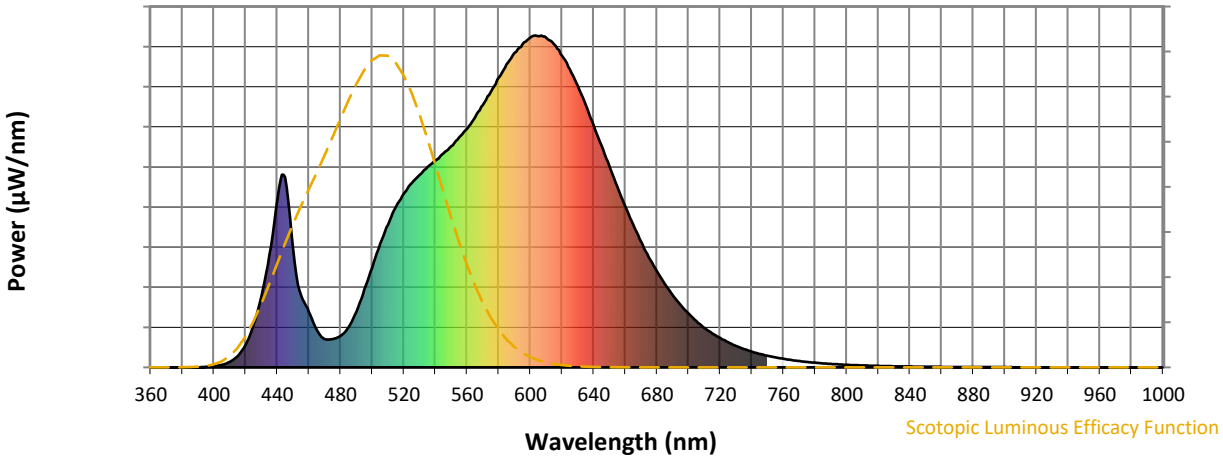
Scotopic Flux vs. Wavelength



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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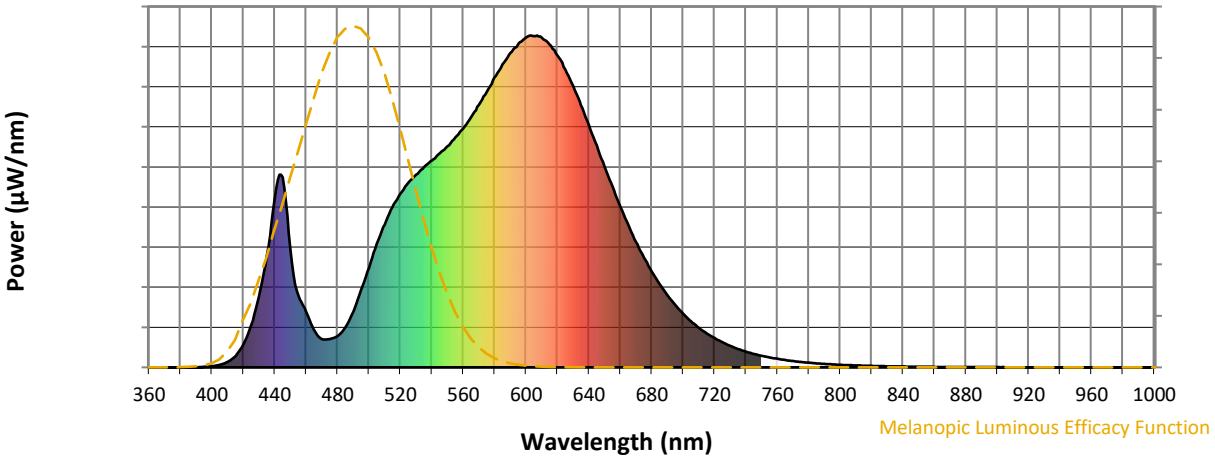
Melanopic Flux vs. Wavelength



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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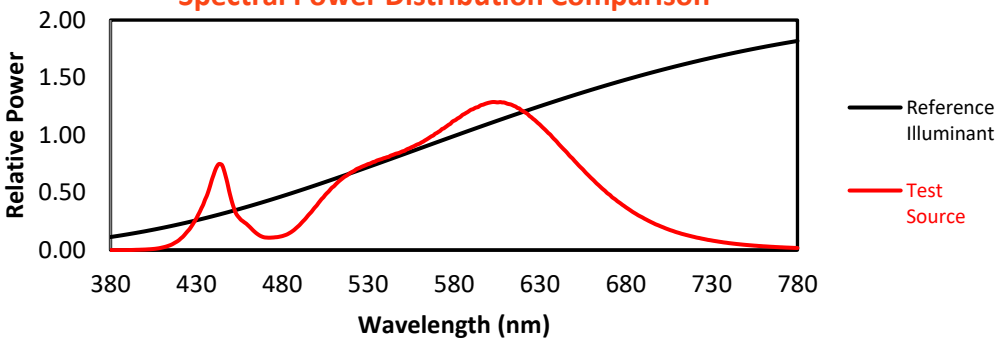
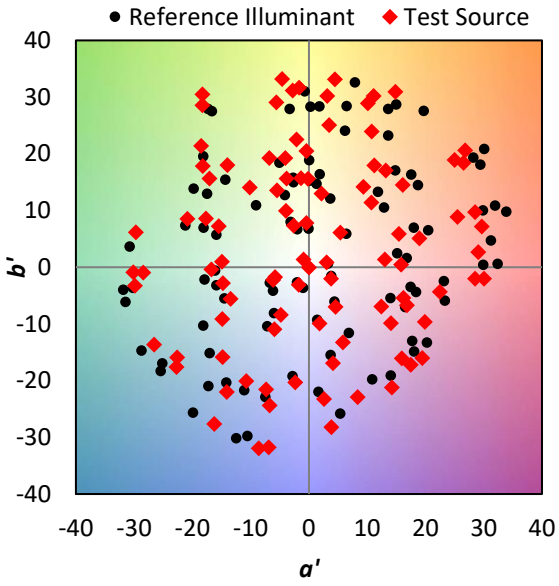
Summary

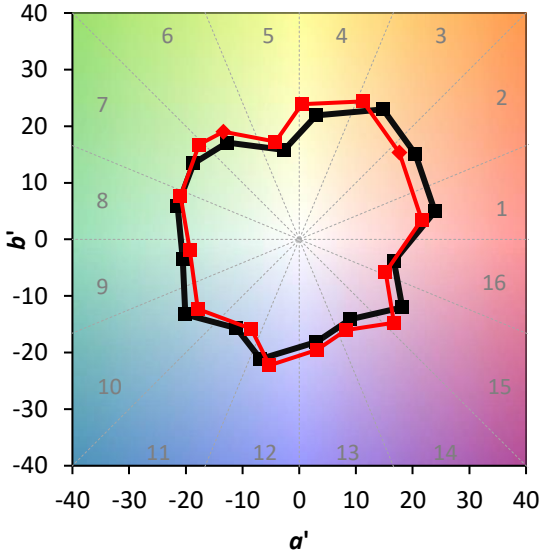
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

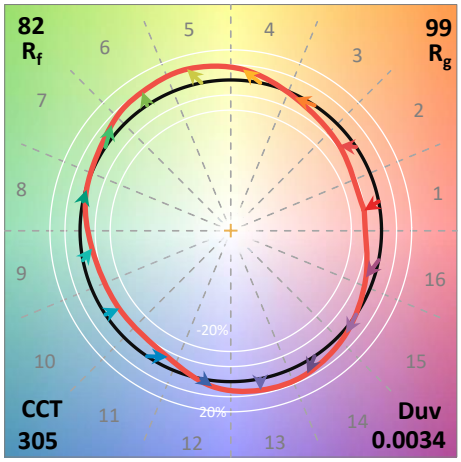
Spectral Power Distribution Comparison

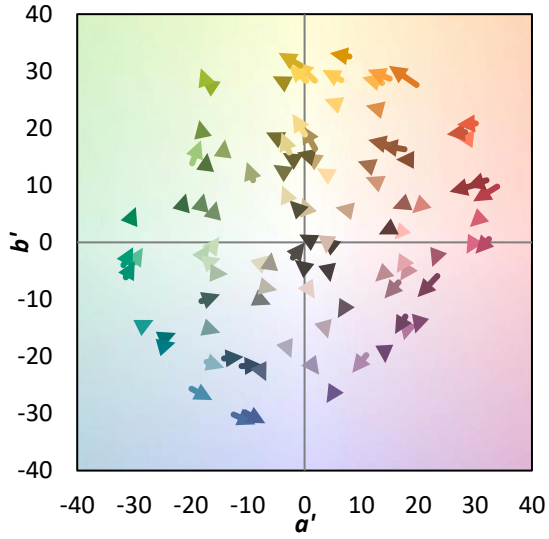


Color Vector Graphics









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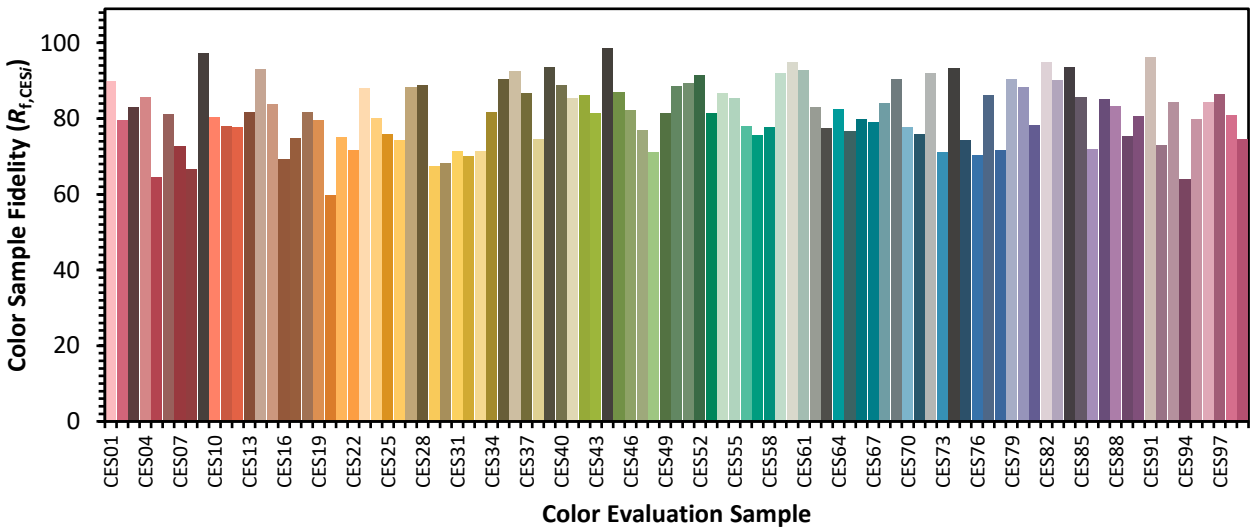
Individual Sample Fidelity Index ($R_{f,i}$)

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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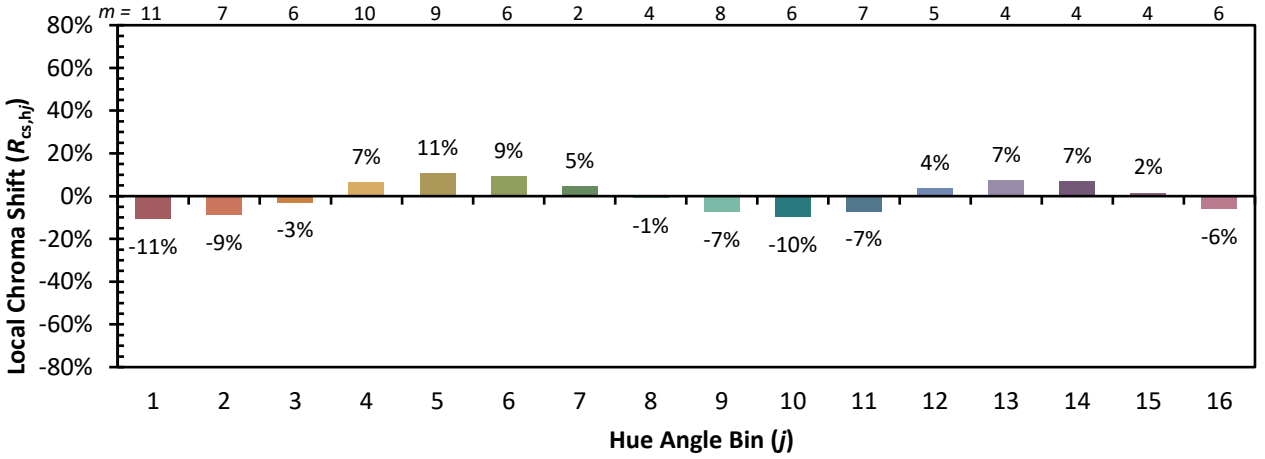
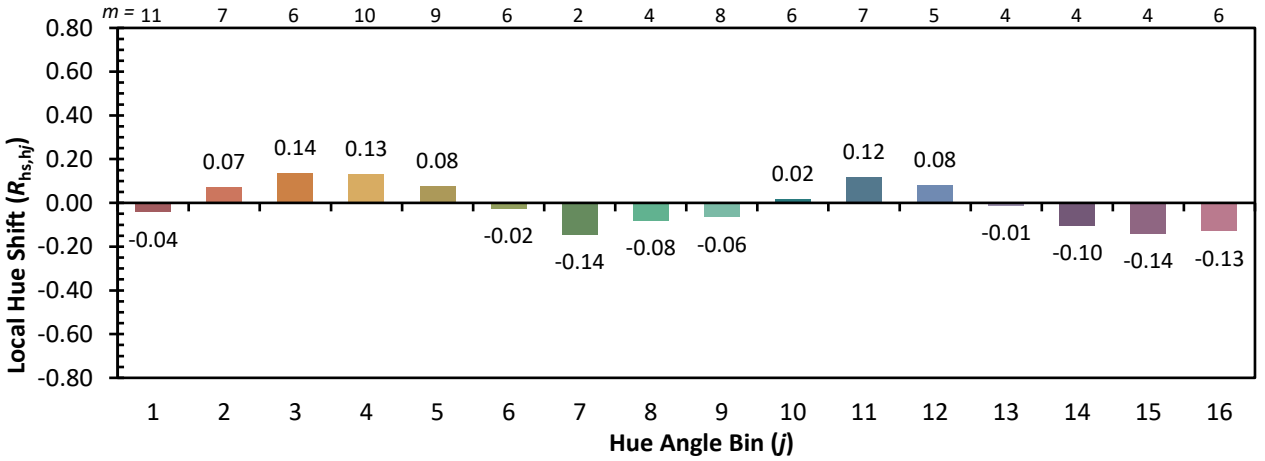
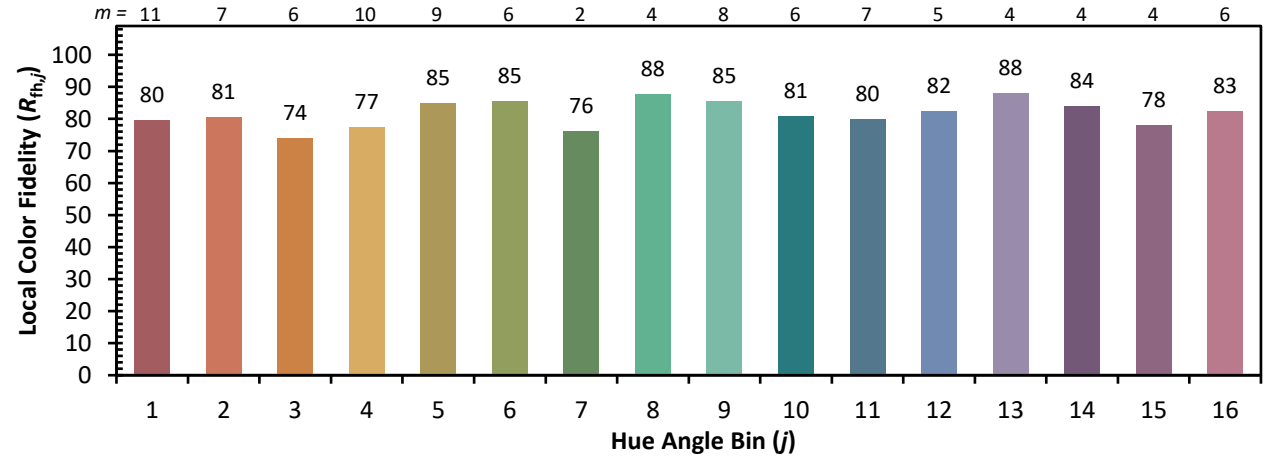
Color Rendition by Hue-Angle Bin







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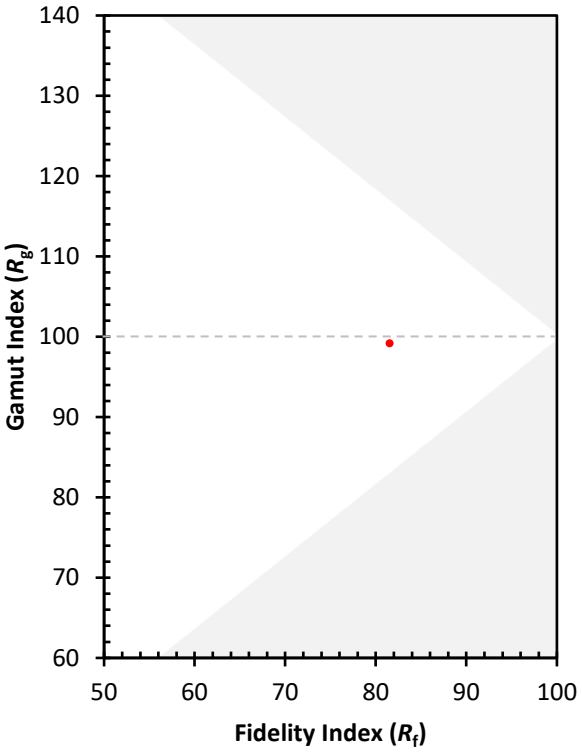
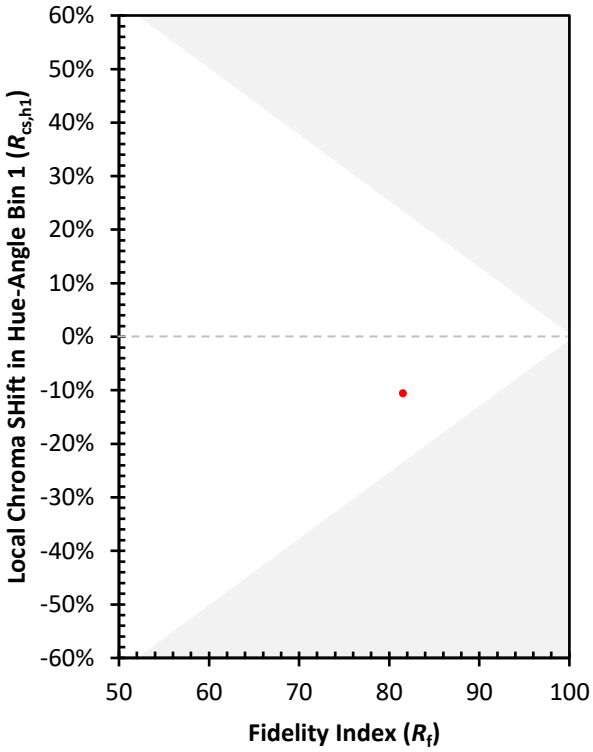
Measure Comparisons





(END OF REPORT)