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: P323063

Luminaire Tested: **GLEON-SA9D-830-U-T4W-HSS**

Issue Date: 3/3/2020

Report Generated By E0585644

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P323063
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA9D-830-U-T4W-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	39951 lumens
Efficiency:	N/A
Efficacy:	69.5 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	575
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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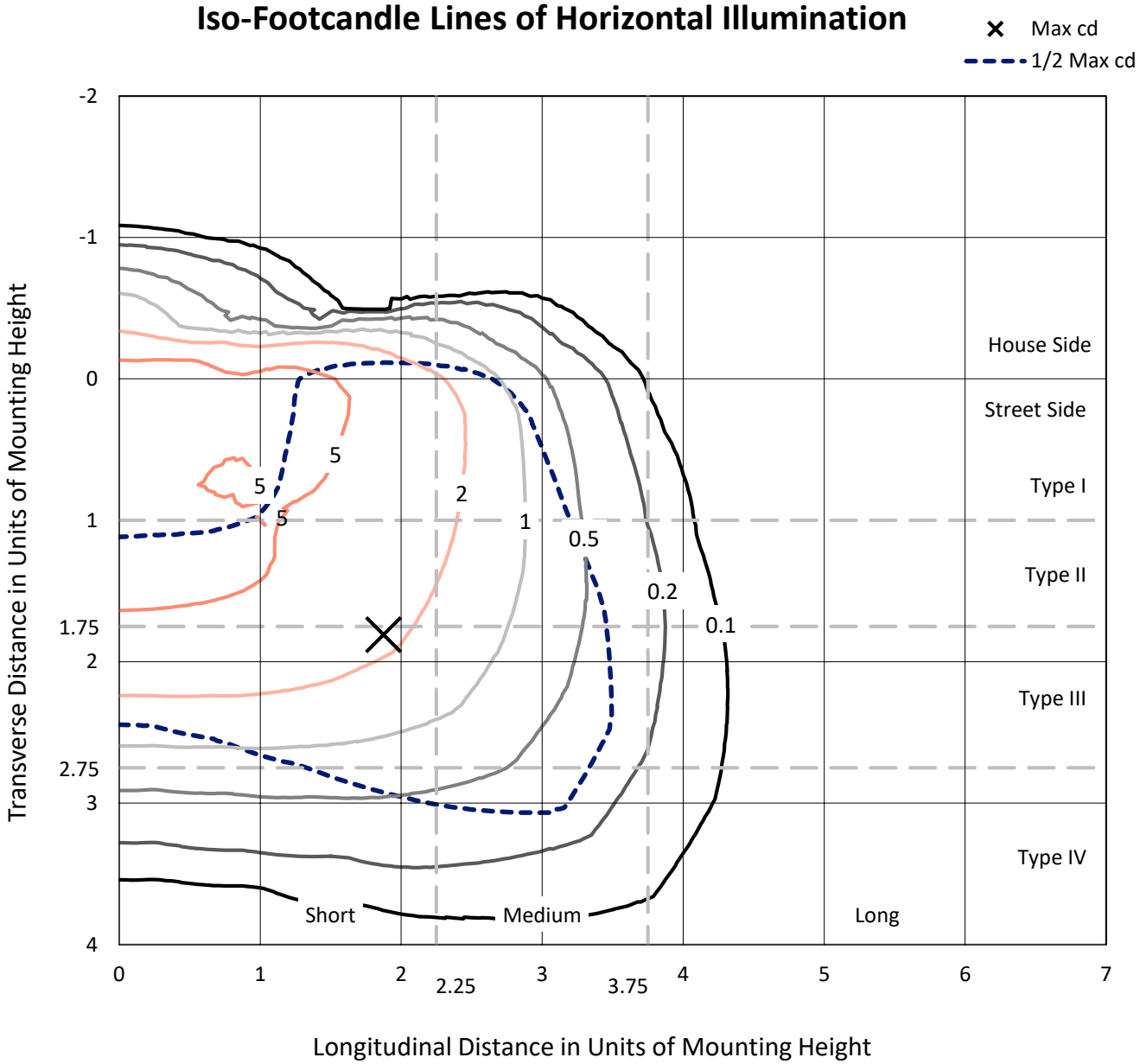
Scaled Data Report

REPORT NUMBER: P323063
CATALOG NUMBER: GLEON-SA9D-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
Type IV - Short - N/A

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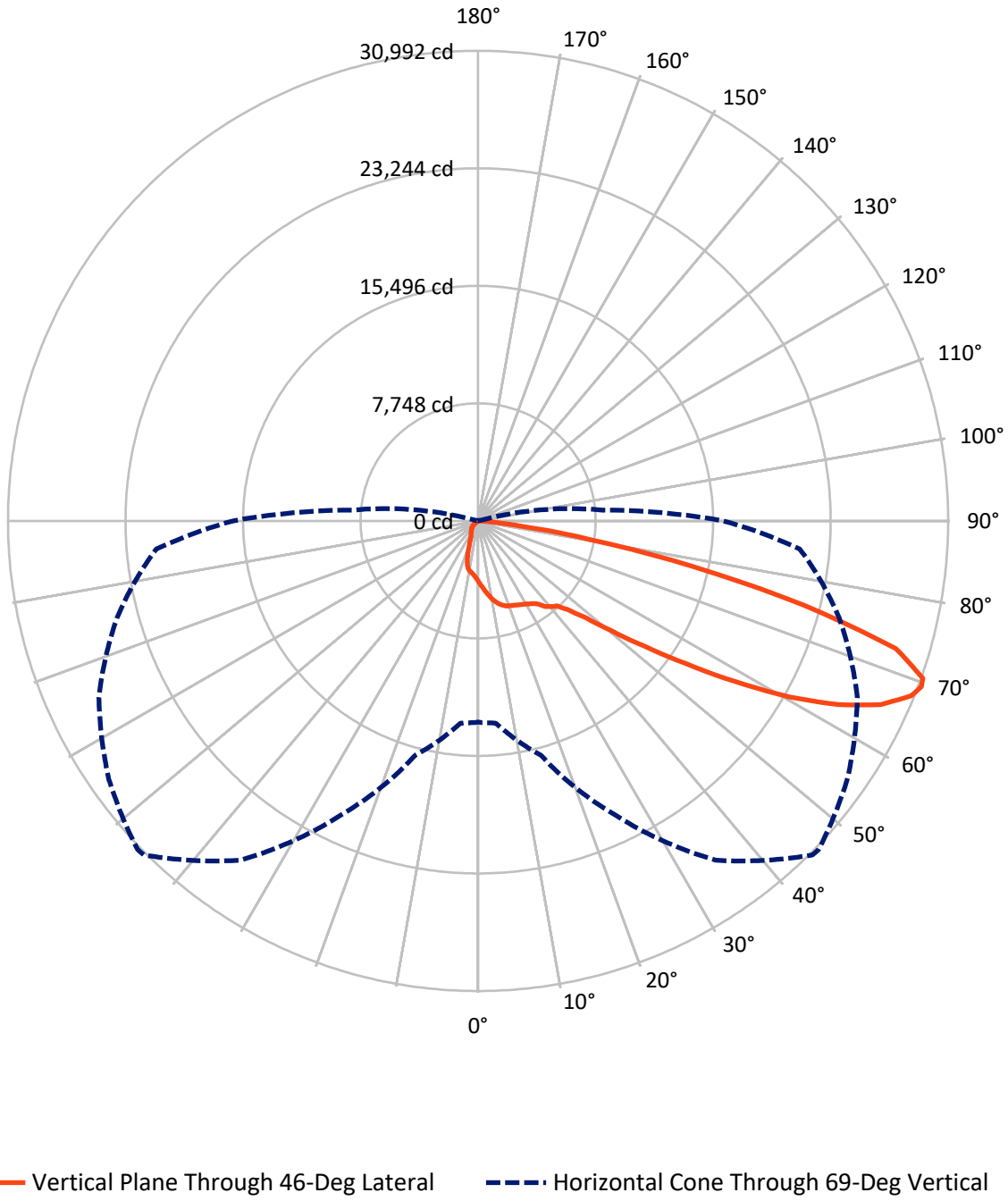
Luminous Intensity Polar Plot



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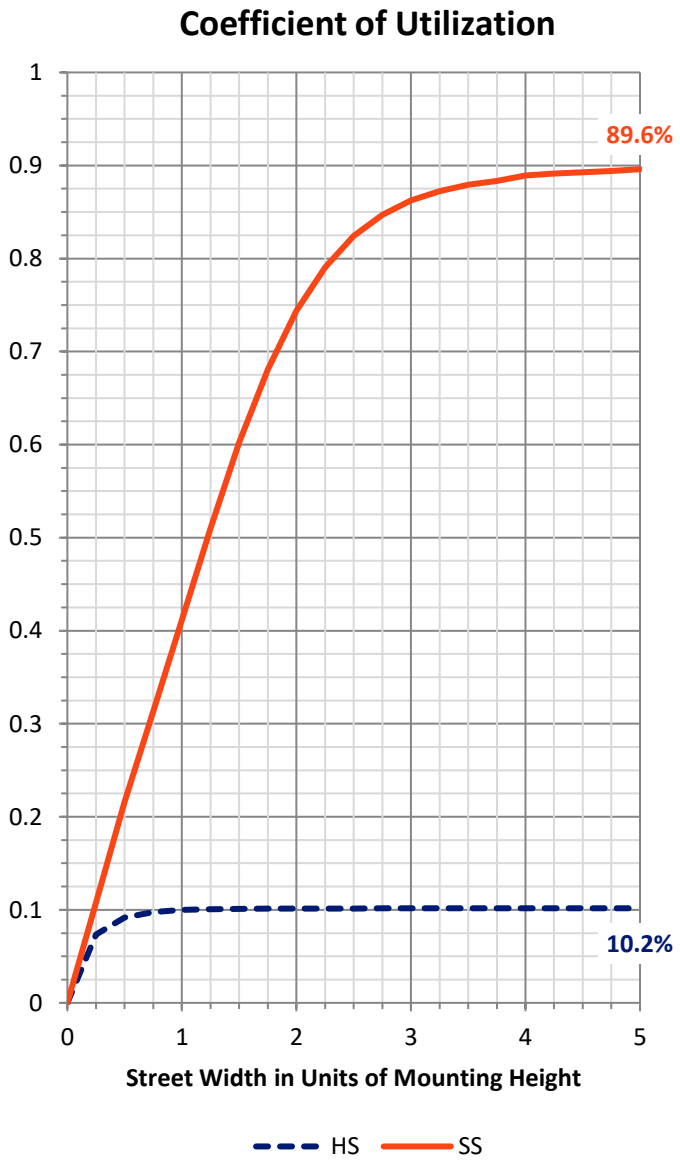
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4100.1	0.0	4100.1
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	35850.9	0.0	35850.9
	% Fixture	89.7	0.0	89.7
Total	Lumens	39951.0	0.0	39951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.4	1.0
10°-20°	1208.7	3.0
20°-30°	1900.9	4.8
30°-40°	2726.0	6.8
40°-50°	4711.5	11.8
50°-60°	9308.0	23.3
60°-70°	13008.8	32.6
70°-80°	6284.6	15.7
80°-90°	403.9	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	39951.0	100.0
0°-180°	39951.0	100.0



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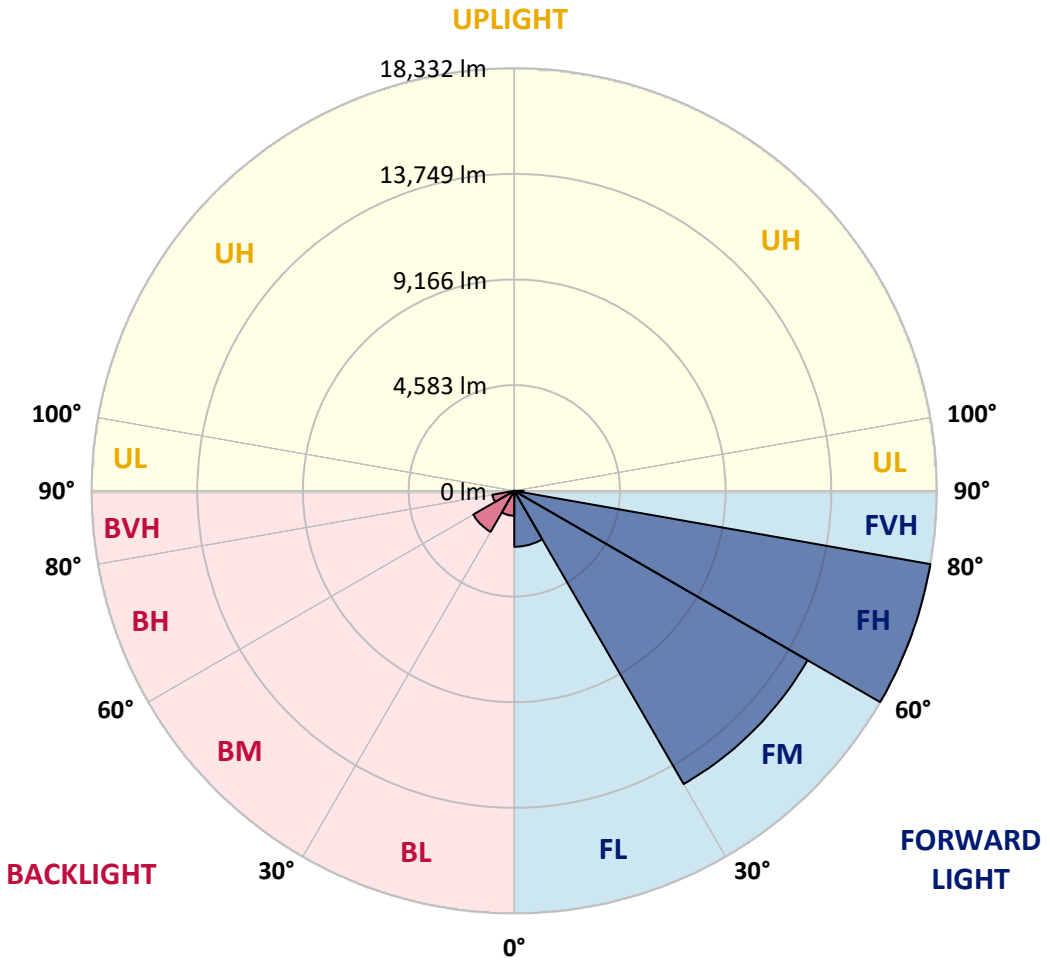
REPORT NUMBER: P323063
CATALOG NUMBER: GLEON-SA9D-830-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2427.5	6.1			
FM	(30°-60°)	14690.9	36.8			
FH	(60°-80°)	18332.0	45.9			G5
FVH	(80°-90°)	400.5	1.0			G3/500
BL	(0°-30°)	1080.6	2.7	B3/2500		
BM	(30°-60°)	2054.6	5.1	B2/2500		
BH	(60°-80°)	961.4	2.4	B2/1000		G2/1000
BVH	(80°-90°)	3.4	0.0			G0/10
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: P323063
CATALOG NUMBER: GLEON-SA9D-830-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	4002.9	4002.9	4002.9	4002.9	4002.9	4002.9	*4002.9*	4002.9	4002.9	4002.9	4002.9
2.5°	4446.9	4441.3	4415.0	4403.8	4340.1	4302.6	*4287.7*	4240.8	4173.4	4106.0	4031.0
5°	4952.6	4950.8	4902.1	4855.2	4735.3	4623.0	*4602.4*	4493.7	4342.0	4199.6	4057.3
7.5°	5469.6	5445.3	5396.6	5306.7	5132.5	4952.6	*4935.8*	4782.2	4566.8	4360.7	4156.5
10°	5907.9	5893.0	5829.3	5692.5	5488.4	5284.2	*5263.6*	5074.4	4830.9	4578.0	4317.6
12.5°	6248.9	6237.6	6153.3	5982.9	5765.6	5553.9	*5525.8*	5357.2	5096.9	4814.0	4506.8
15°	6456.8	6451.2	6348.1	6166.4	5952.9	5769.3	*5745.0*	5597.0	5355.4	5059.4	4712.9
17.5°	6505.5	6507.4	6400.6	6217.0	6040.9	5909.8	*5891.1*	5778.7	5576.4	5282.3	4918.9
20°	6396.8	6419.3	6323.8	6164.6	6055.9	5986.6	*5971.6*	5904.2	5733.7	5456.5	5083.8
22.5°	6243.2	6254.5	6188.9	6082.1	6037.2	6050.3	*6042.8*	6005.3	5861.1	5606.4	5246.7
25°	6149.6	6149.6	6110.2	6020.3	6050.3	6130.8	*6132.7*	6125.2	6011.0	5789.9	5445.3
27.5°	6145.8	6134.6	6089.6	6022.2	6104.6	6228.3	*6235.7*	6286.3	6215.1	6012.8	5692.5
30°	6295.7	6282.6	6187.0	6099.0	6203.9	6336.9	*6355.6*	6466.1	6430.6	6254.5	5967.9
32.5°	6646.0	6599.1	6387.5	6243.2	6321.9	6481.1	*6505.5*	6681.6	6737.8	6552.3	6233.9
35°	7125.5	6977.5	6672.2	6516.7	6524.2	6690.9	*6713.4*	6971.9	7138.6	6825.8	6439.9
37.5°	7786.7	7713.7	7217.3	6801.4	6835.2	7088.0	*7153.6*	7434.6	7387.7	6975.6	6674.1
40°	9236.5	9122.3	8594.1	7599.4	7133.0	7410.2	*7430.8*	7580.7	7584.4	7314.7	7161.1
42.5°	11210.9	11164.0	10607.7	9047.4	7719.3	7625.6	*7663.1*	7916.0	8198.8	8030.2	8022.7
45°	13396.8	13372.5	12782.4	10969.2	8905.0	8331.8	*8378.6*	8717.7	9259.0	9296.5	9534.4
47.5°	15155.7	15144.5	14805.4	13114.0	10720.1	9528.8	*9543.7*	9903.4	10855.0	11325.1	11705.4
50°	16759.2	16813.5	16545.6	15434.8	13192.7	11403.8	*11368.2*	11608.0	13136.5	13906.3	14378.4
52.5°	18988.2	19065.0	18313.9	17600.2	15787.0	13730.3	*13702.2*	13953.2	15878.8	16455.7	16540.0
55°	20956.9	20825.8	20232.0	20025.9	18950.8	16603.7	*16596.2*	16817.2	18531.2	18776.5	18932.0
57.5°	21826.0	21775.5	22062.1	22534.1	22264.4	19999.7	*19982.9*	19814.3	20904.5	20930.7	21408.3
60°	22374.9	22436.7	23315.2	24770.7	25443.1	23654.3	*23545.6*	22517.2	23171.0	23112.9	23624.3
62.5°	21962.8	22084.5	23665.5	26091.2	27822.0	26844.2	*26690.6*	24993.6	25107.8	24907.4	25383.2
65°	19774.9	19964.1	22554.7	25842.1	29002.1	29337.4	*29181.9*	27179.5	26645.7	26316.0	26051.9
67.5°	16056.7	16169.1	18874.0	23674.9	28470.1	30824.7	*30792.9*	29095.8	27807.0	26078.1	24028.9
69°	*13269.5*	*13380.0*	*15983.7*	*21393.3*	*27299.4*	*31143.1*	*31205.0*	*29710.2*	*27586.0*	*24632.0*	*21290.3*
70°	11239.0	11357.0	13782.7	19437.8	25941.4	30995.2	*31105.7*	29652.1	26952.9	22957.4	18887.1
72.5°	5894.8	5996.0	8485.4	13391.2	21148.0	28460.8	*28796.1*	27145.8	22846.9	16673.0	11167.8
75°	1852.6	1910.6	3313.6	7000.0	14479.5	22129.5	*22206.3*	21294.1	16223.4	9171.0	4651.1
77.5°	706.2	689.3	1103.3	2579.3	7320.3	13934.4	*14404.6*	13306.9	8513.5	3242.4	1073.3
80°	380.3	382.1	573.2	1067.7	3131.9	7161.1	*7558.2*	6449.3	3025.2	1011.5	247.3
82.5°	164.8	172.3	322.2	565.7	1438.6	2641.2	*2839.7*	2363.9	1155.7	680.0	91.8
85°	35.6	39.3	155.5	307.2	586.3	741.8	*777.4*	766.1	736.2	528.2	35.6
87.5°	0.0	0.0	69.3	110.5	148.0	168.6	*148.0*	192.9	406.5	355.9	18.7
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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REPORT NUMBER: P323063
CATALOG NUMBER: GLEON-SA9D-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4002.9	4002.9	4002.9	4002.9	4002.9	4002.9	4002.9	4002.9	4002.9	4002.9	4002.9
2.5°	4006.7	3973.0	3914.9	3851.2	3806.3	3759.4	3722.0	3705.1	3686.4	3673.3	3690.1
5°	3999.2	3933.6	3821.2	3712.6	3633.9	3570.2	3517.8	3497.2	3476.6	3461.6	3459.7
7.5°	4064.8	3973.0	3800.6	3641.4	3519.7	3433.5	3362.3	3332.3	3308.0	3296.8	3287.4
10°	4190.3	4072.2	3841.8	3633.9	3476.6	3330.5	3176.9	3058.9	2982.1	2946.5	2933.4
12.5°	4353.2	4205.2	3920.5	3673.3	3444.7	3163.8	2837.8	2556.9	2375.2	2315.2	2279.6
15°	4544.3	4360.7	4023.5	3723.8	3328.6	2815.4	2262.8	1895.6	1727.1	1693.3	1655.9
17.5°	4727.9	4525.6	4147.2	3733.2	3073.9	2249.7	1657.7	1408.6	1343.1	1365.5	1371.2
20°	4888.9	4688.5	4268.9	3650.8	2611.2	1687.7	1283.1	1221.3	1245.7	1288.7	1296.2
22.5°	5051.9	4845.9	4381.3	3433.5	2019.3	1281.2	1155.7	1170.7	1195.1	1238.2	1245.7
25°	5250.5	5036.9	4486.2	3034.5	1515.4	1090.2	1097.7	1120.1	1144.5	1183.8	1187.6
27.5°	5479.0	5278.6	4555.5	2515.7	1123.9	1002.1	1026.5	1060.2	1084.6	1122.0	1129.5
30°	5782.4	5597.0	4578.0	1978.1	942.2	923.5	934.7	975.9	1011.5	1045.2	1050.8
32.5°	6067.2	5911.7	4503.1	1492.9	872.9	850.4	850.4	874.8	916.0	947.8	955.3
35°	6329.4	6228.3	4263.3	1092.1	820.4	783.0	764.2	764.2	790.5	816.7	824.2
37.5°	6675.9	6672.2	3875.6	871.0	769.9	726.8	687.4	657.5	648.1	653.7	657.5
40°	7269.7	7275.3	3369.8	781.1	726.8	668.7	608.8	554.5	503.9	487.0	485.1
42.5°	8196.9	8112.7	2839.7	738.0	689.3	608.8	518.9	445.8	367.1	342.8	340.9
45°	9669.2	9169.1	2277.8	698.7	650.0	541.3	429.0	329.7	266.0	247.3	247.3
47.5°	11814.0	10557.1	1764.5	655.6	597.5	464.5	324.1	237.9	194.8	185.4	187.3
50°	14031.8	11917.0	1352.4	601.3	533.9	384.0	239.8	172.3	148.0	148.0	149.9
52.5°	15998.7	12913.6	1054.6	543.2	455.2	301.6	181.7	134.9	123.6	121.8	123.6
55°	17840.0	13556.1	807.3	475.8	361.5	224.8	138.6	110.5	103.0	99.3	97.4
57.5°	19615.7	13874.5	605.0	384.0	262.2	163.0	110.5	93.7	86.2	80.5	78.7
60°	20797.7	13616.0	415.8	282.8	181.7	118.0	91.8	80.5	71.2	65.6	63.7
62.5°	21464.5	12909.8	267.9	204.2	129.2	88.0	73.1	67.4	54.3	48.7	48.7
65°	21194.8	11744.7	187.3	146.1	93.7	65.6	54.3	54.3	39.3	31.8	30.0
67.5°	18782.2	9922.1	142.4	108.6	67.4	48.7	41.2	46.8	24.4	15.0	15.0
69°	*16159.7*	*8223.2*	*121.8*	*89.9*	*56.2*	*39.3*	*35.6*	*43.1*	*16.9*	*11.2*	*9.4*
70°	14044.9	7093.7	110.5	78.7	46.8	33.7	31.8	41.2	16.9	9.4	7.5
72.5°	8403.0	3956.1	84.3	56.2	30.0	26.2	26.2	46.8	16.9	9.4	7.5
75°	3396.0	1393.6	61.8	39.3	22.5	22.5	31.8	59.9	15.0	7.5	5.6
77.5°	769.9	305.3	35.6	24.4	15.0	22.5	37.5	46.8	9.4	3.7	0.0
80°	187.3	74.9	22.5	15.0	9.4	16.9	28.1	26.2	1.9	0.0	0.0
82.5°	61.8	26.2	9.4	7.5	1.9	5.6	13.1	7.5	0.0	0.0	0.0
85°	26.2	15.0	3.7	1.9	0.0	0.0	1.9	0.0	0.0	0.0	0.0
87.5°	16.9	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

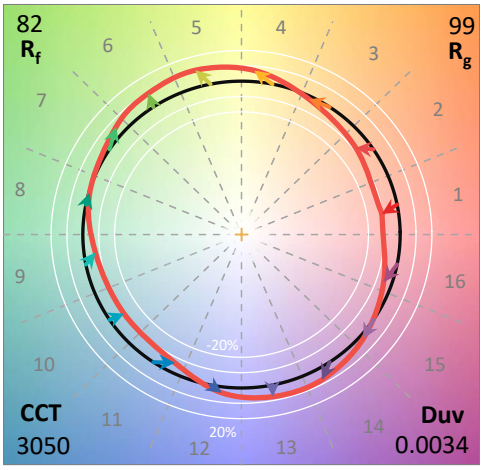
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

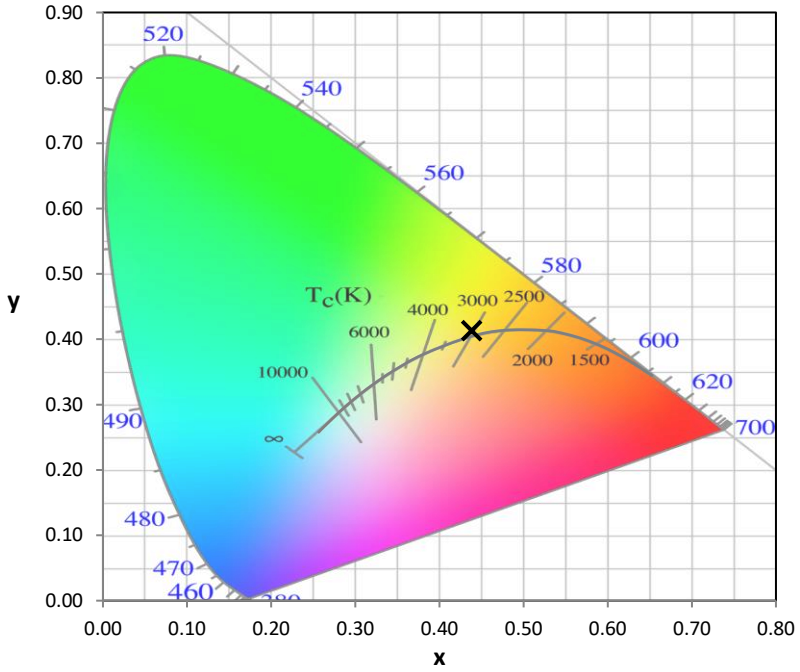
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

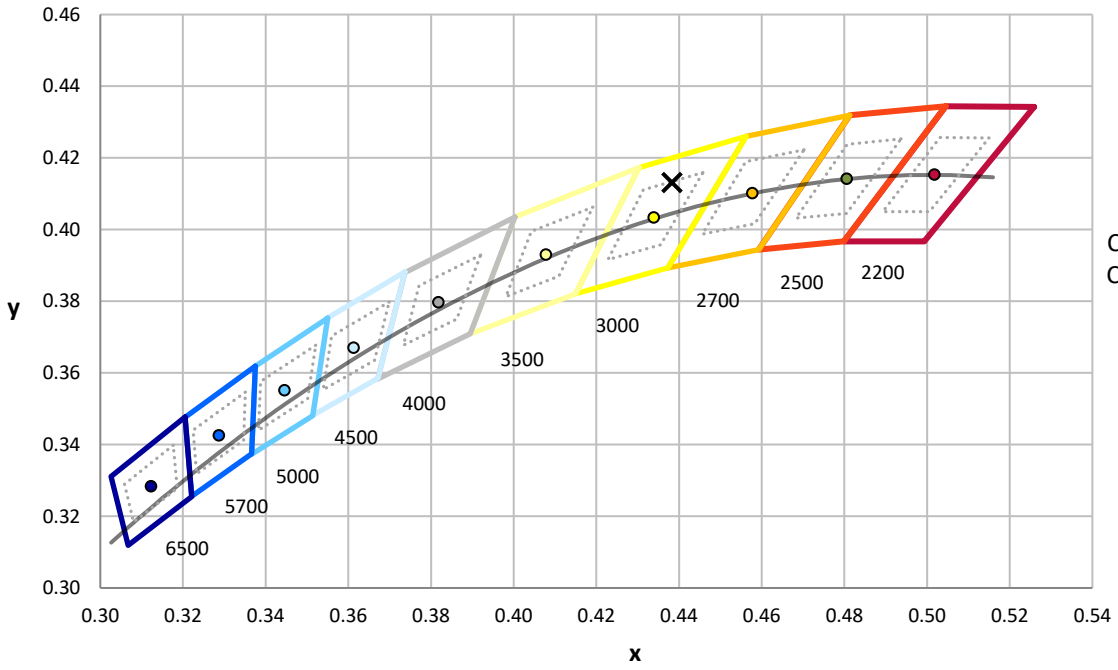
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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

Point lies inside the ANSI 3000K 4-step quadrangle

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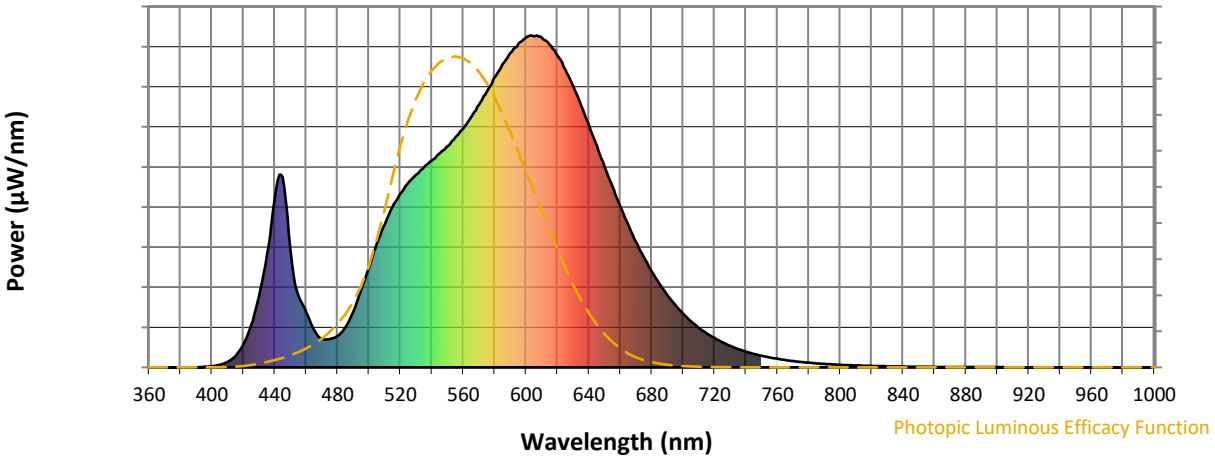
Photopic Flux vs. Wavelength



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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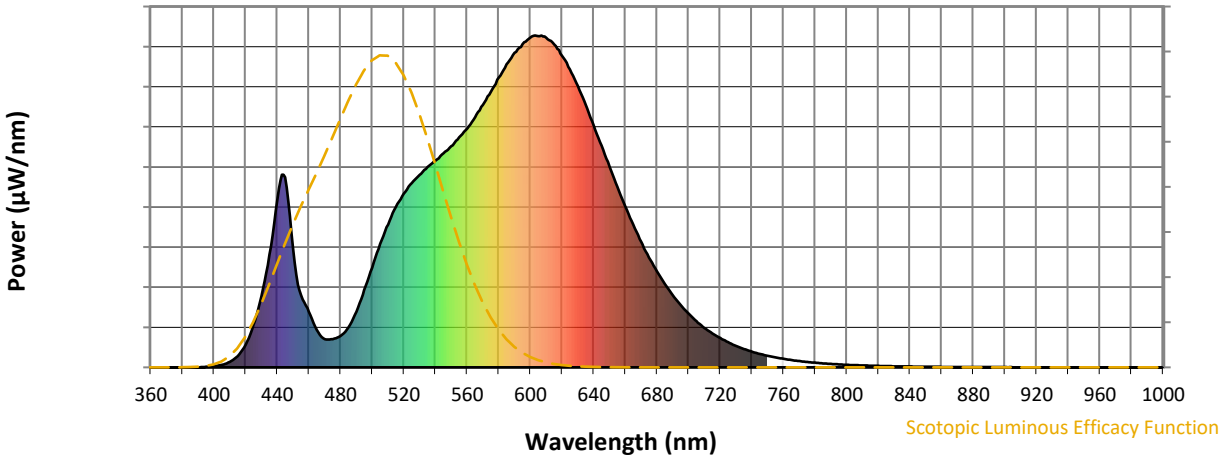
Scotopic Flux vs. Wavelength



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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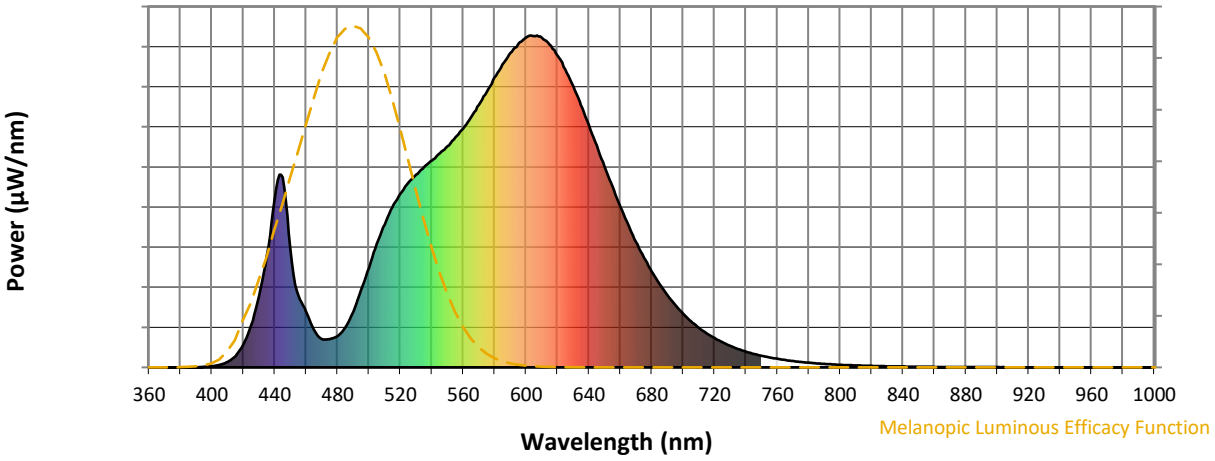
Melanopic Flux vs. Wavelength



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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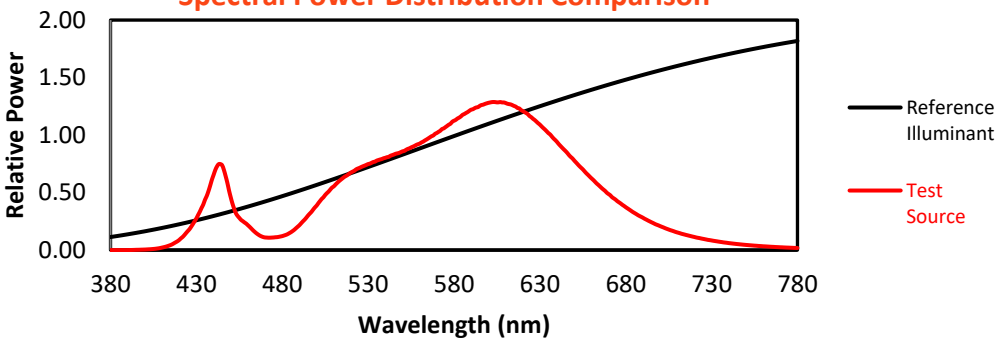
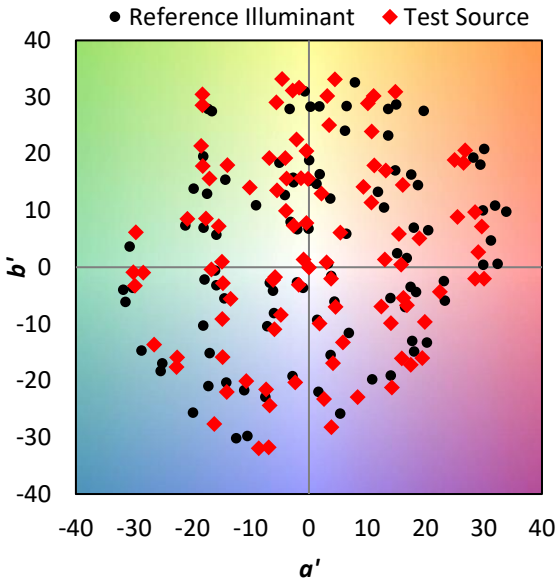
Summary

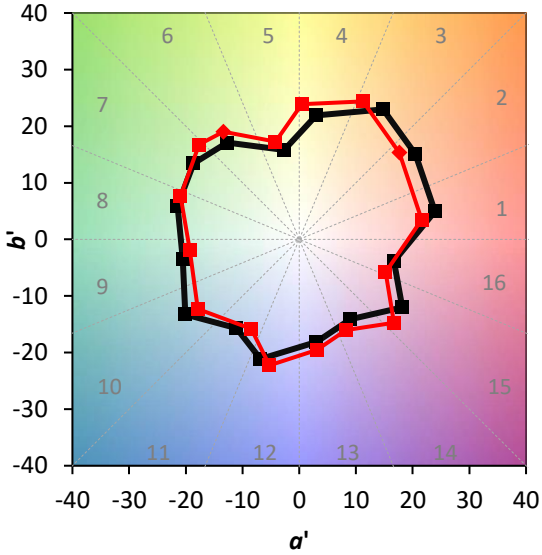
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

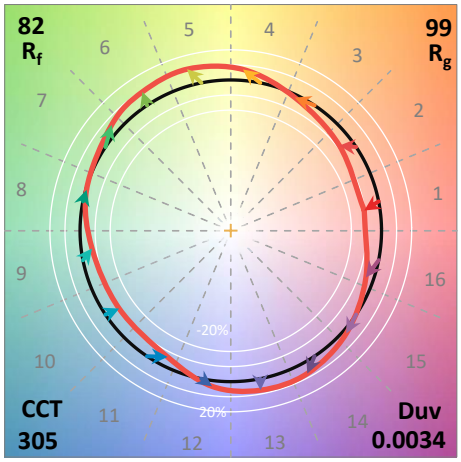
Spectral Power Distribution Comparison

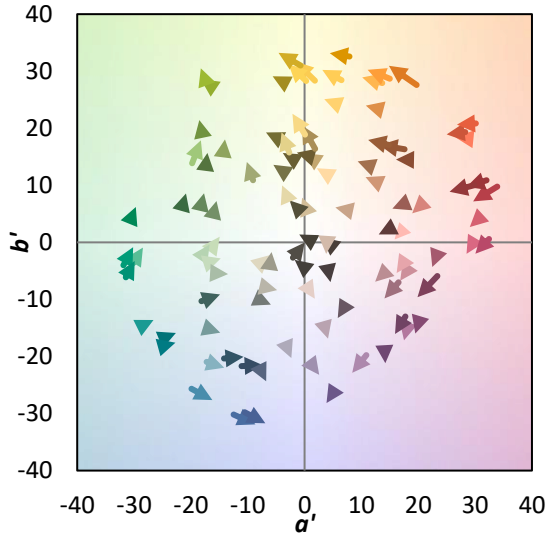


Color Vector Graphics









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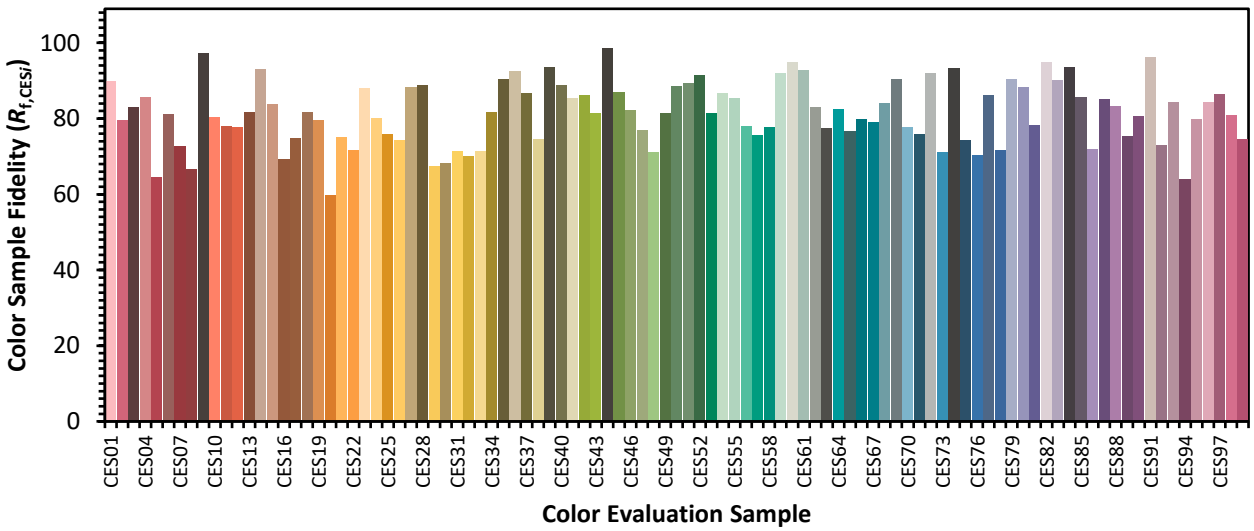
Individual Sample Fidelity Index ($R_{f,i}$)

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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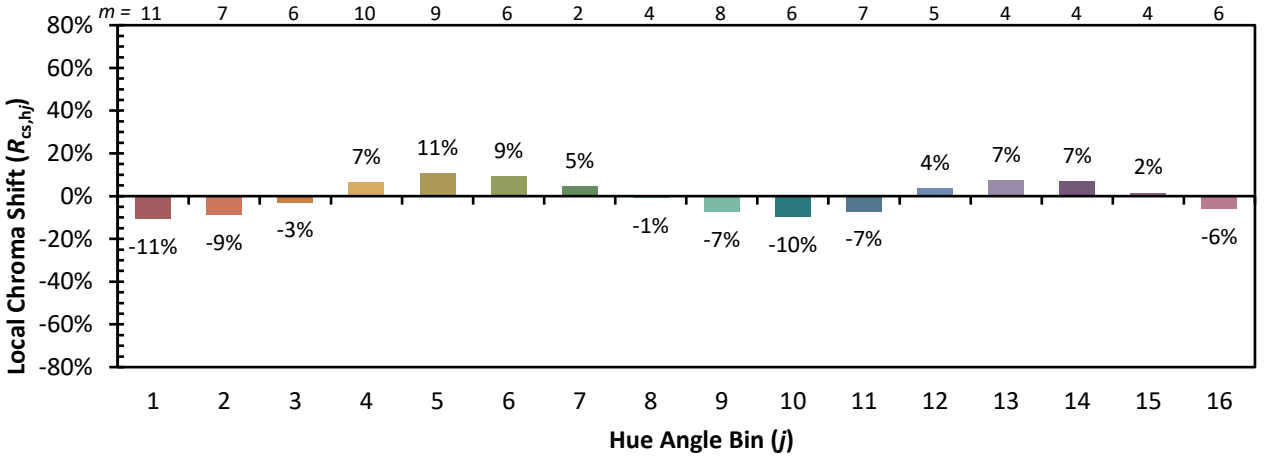
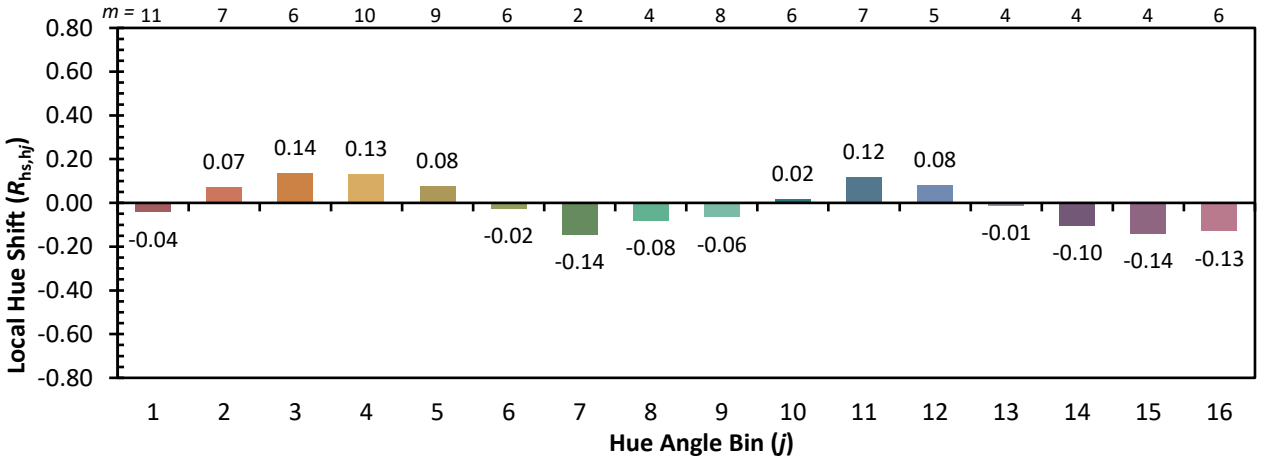
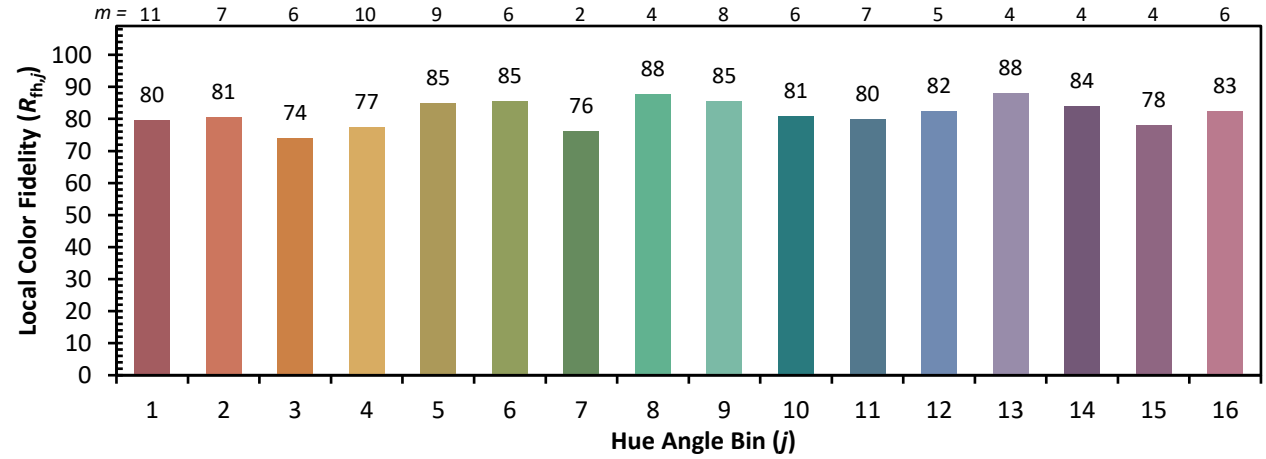
Color Rendition by Hue-Angle Bin







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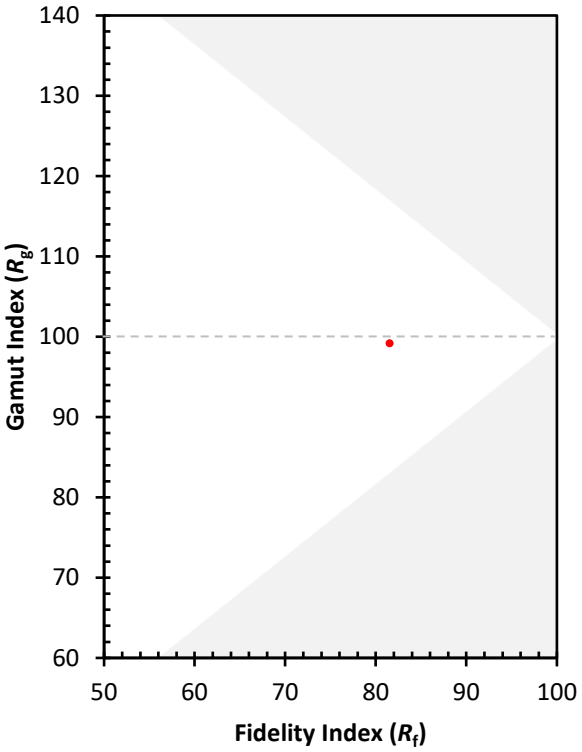
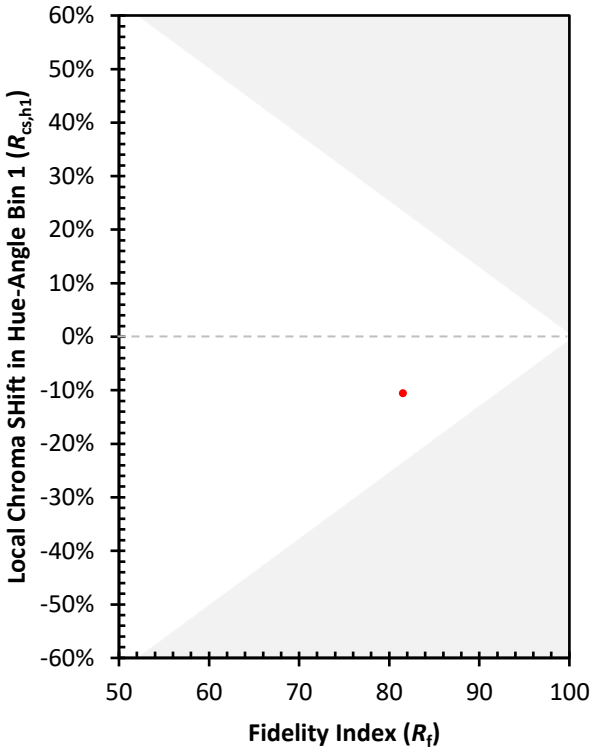
Measure Comparisons





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