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: P323362

Luminaire Tested: **GLEON-SA8B-830-U-SL2-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:	P323362
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA8B-830-U-SL2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	30145 lumens
Efficiency:	N/A
Efficacy:	90.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

Input Watts (W):	334
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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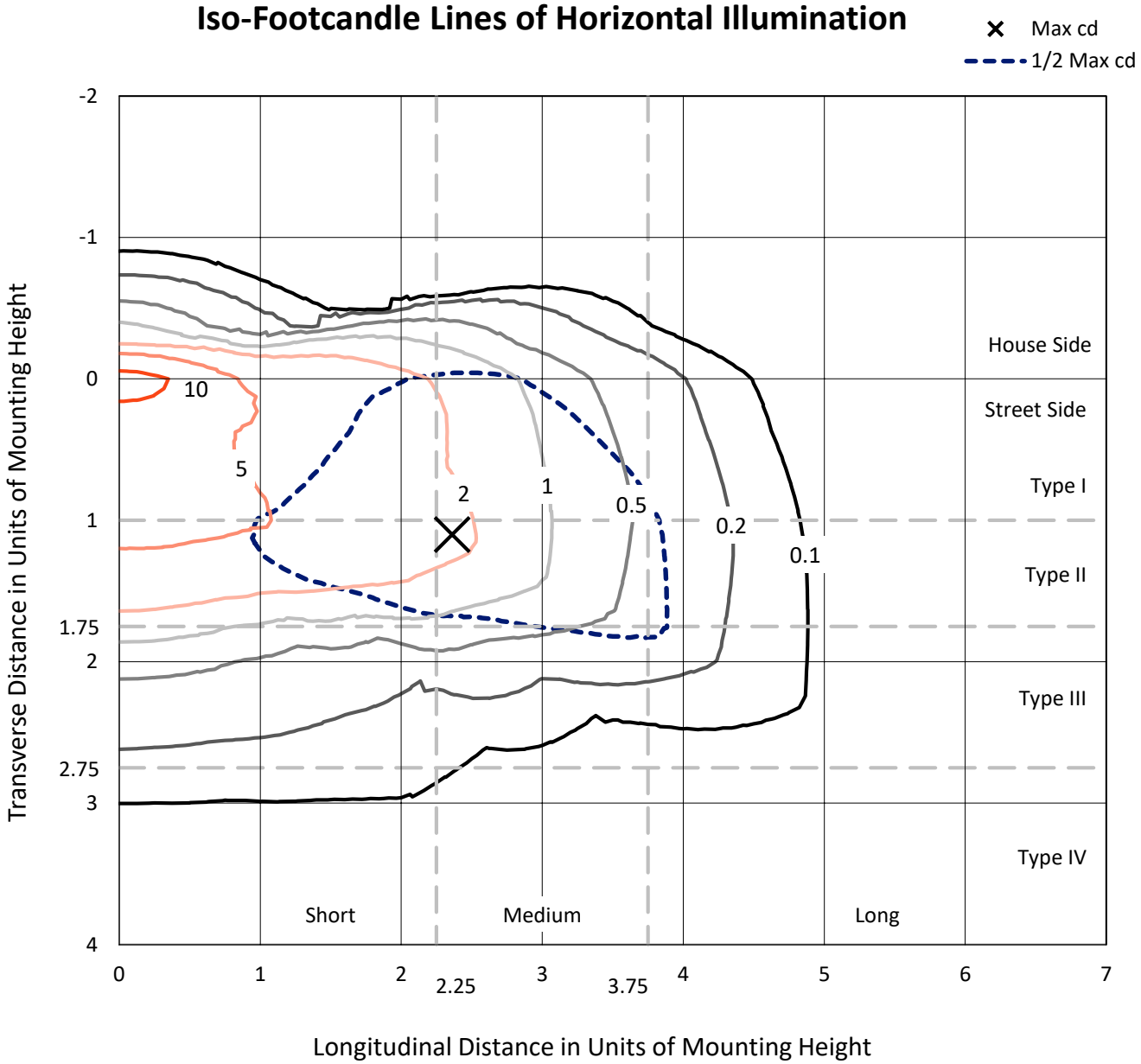
Scaled Data Report

REPORT NUMBER: P323362
CATALOG NUMBER: GLEON-SA8B-830-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
Type III - Medium - N/A

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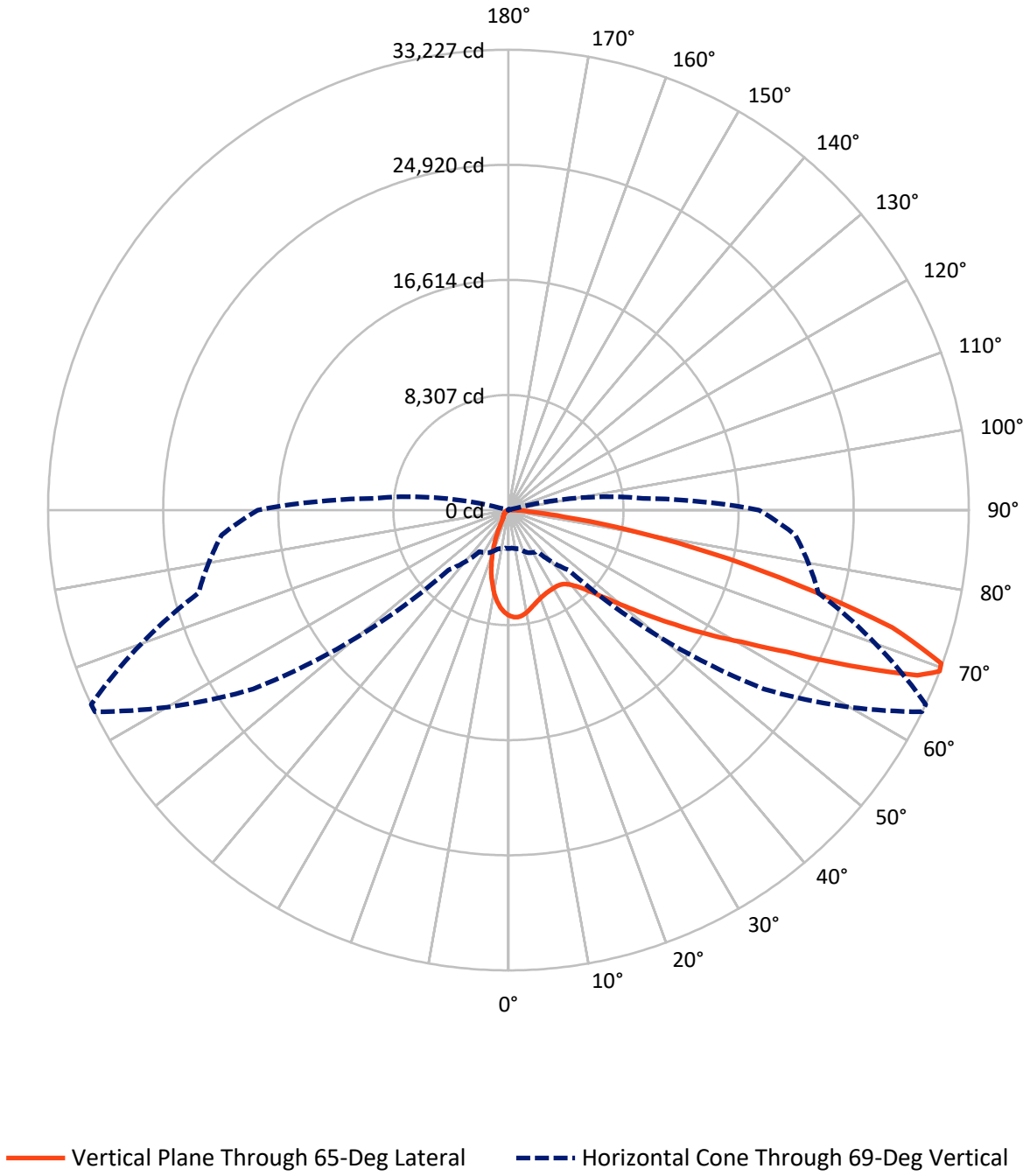
Luminous Intensity Polar Plot



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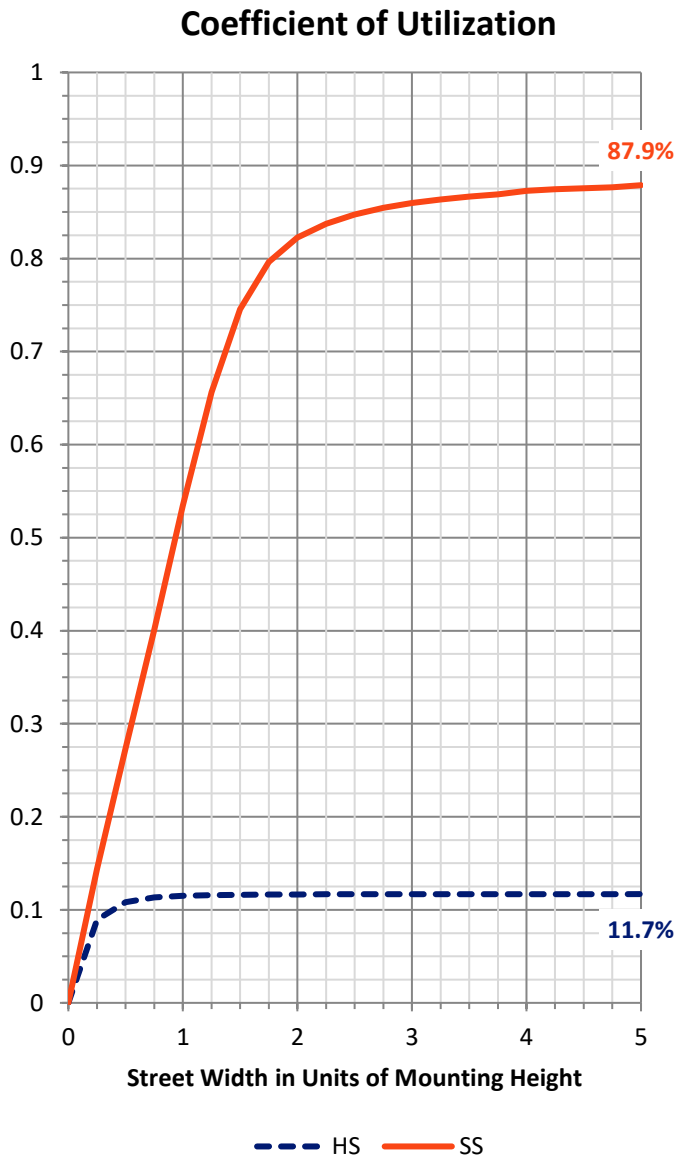
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3553.4	0.0	3553.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	26591.6	0.0	26591.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	30145.0	0.0	30145.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	637.0	2.1
10°-20°	1394.4	4.6
20°-30°	1931.3	6.4
30°-40°	2692.9	8.9
40°-50°	4185.6	13.9
50°-60°	6719.5	22.3
60°-70°	7600.9	25.2
70°-80°	4464.1	14.8
80°-90°	519.3	1.7
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°	30145.0	100.0
0°-180°	30145.0	100.0



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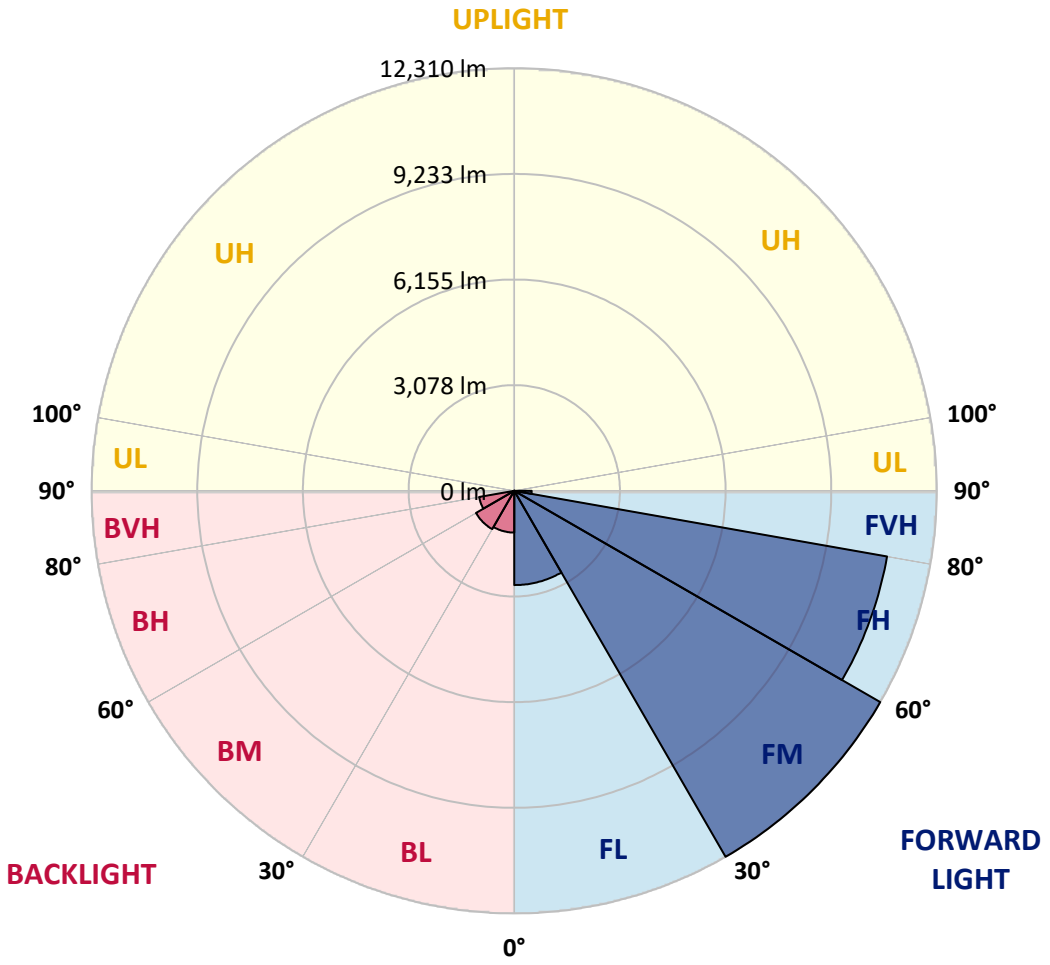
REPORT NUMBER: P323362
CATALOG NUMBER: GLEON-SA8B-830-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2746.9	9.1			
FM	(30°-60°)	12310.3	40.8			
FH	(60°-80°)	11026.7	36.6			G4/12000
FVH	(80°-90°)	507.6	1.7			G4/750
BL	(0°-30°)	1215.8	4.0	B3/2500		
BM	(30°-60°)	1287.7	4.3	B2/2500		
BH	(60°-80°)	1038.2	3.4	B3/2500		G3/2500
BVH	(80°-90°)	11.7	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Medium



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REPORT NUMBER: P323362
CATALOG NUMBER: GLEON-SA8B-830-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	7617.7	7617.7	7617.7	7617.7	7617.7	7617.7	7617.7	7617.7	*7617.7*	7617.7	7617.7
2.5°	7685.3	7666.2	7681.5	7714.6	7731.2	7731.2	7744.0	7728.7	*7733.8*	7696.8	7643.2
5°	7204.4	7175.1	7217.2	7310.3	7425.1	7523.3	7668.7	7745.3	*7752.9*	7754.2	7691.7
7.5°	6686.5	6659.7	6722.2	6831.9	6979.9	7162.3	7416.2	7638.1	*7650.9*	7770.8	7724.8
10°	6265.6	6246.5	6319.2	6436.5	6610.0	6814.1	7125.3	7434.0	*7471.0*	7736.3	7719.7
12.5°	5931.4	5916.1	5985.0	6120.2	6297.5	6523.3	6848.5	7207.0	*7256.7*	7658.5	7694.2
15°	5687.8	5685.2	5742.6	5872.7	6069.2	6279.6	6612.5	6996.5	*7053.9*	7574.3	7690.4
17.5°	5560.2	5564.0	5606.1	5717.1	5885.5	6094.7	6413.6	6819.2	*6881.7*	7499.1	7709.5
20°	5547.4	5551.3	5574.2	5636.7	5773.2	5958.2	6251.6	6669.9	*6735.0*	7442.9	7740.1
22.5°	5659.7	5657.1	5663.5	5657.1	5733.7	5874.0	6144.4	6555.1	*6630.4*	7405.9	7764.4
25°	5875.3	5871.4	5868.9	5821.7	5770.7	5845.9	6099.8	6490.1	*6561.5*	7379.2	7778.4
27.5°	6175.0	6172.5	6168.6	6090.8	5937.8	5890.6	6104.9	6465.9	*6525.8*	7357.5	7775.9
30°	6569.2	6587.0	6581.9	6473.5	6235.0	6027.1	6158.4	6453.1	*6505.4*	7315.4	7749.1
32.5°	7032.2	7067.9	7096.0	6979.9	6681.4	6297.5	6282.2	6467.1	*6505.4*	7283.5	7700.6
35°	7513.1	7559.0	7662.3	7621.5	7228.6	6704.4	6495.2	6551.3	*6583.2*	7301.4	7677.6
37.5°	7986.3	8041.2	8265.7	8384.3	7945.5	7242.7	6826.8	6759.2	*6775.8*	7409.8	7703.2
40°	8536.1	8619.0	8959.6	9150.9	8801.4	7963.4	7323.0	7116.4	*7122.8*	7648.3	7821.8
42.5°	9258.1	9343.5	9712.2	10011.9	9765.8	8874.1	7996.5	7662.3	*7656.0*	8094.8	8101.1
45°	10138.2	10227.5	10608.9	10941.8	10830.9	9953.3	8858.8	8459.6	*8451.9*	8798.9	8630.5
47.5°	11135.7	11223.7	11564.3	11907.4	12027.3	11213.5	9957.1	9547.6	*9529.8*	9777.2	9448.1
50°	11991.6	12049.0	12362.8	12824.6	13365.4	12762.1	11323.2	10929.1	*10909.9*	11077.0	10648.4
52.5°	12302.9	12336.0	12654.9	13301.6	14651.2	14859.1	13117.9	12610.3	*12596.2*	12668.9	12246.7
55°	11672.7	11732.7	12124.3	13083.5	15347.6	17229.1	15383.4	14692.0	*14586.1*	14429.2	13917.7
57.5°	9955.8	10051.5	10472.4	11748.0	15022.4	19109.3	18712.6	17046.7	*16891.1*	15931.8	15276.2
60°	7459.5	7576.9	7926.4	9302.7	13286.3	19779.0	22350.5	19670.5	*19319.8*	17128.3	16525.0
62.5°	5118.9	5177.5	5414.8	6311.5	9784.9	18682.0	25394.0	23184.7	*22544.4*	18429.4	17875.8
65°	3909.6	3930.0	4027.0	4335.7	5826.8	15175.4	26604.5	27821.4	*27047.2*	19985.6	19277.7
67.5°	3150.7	3134.1	3268.0	3709.4	3902.0	9258.1	25192.5	32208.1	*31845.8*	22066.1	20688.4
69°	*2778.2*	*2755.2*	*2891.7*	*3404.5*	*3664.7*	*6120.2*	*22521.4*	*33204.3*	*33227.3*	*23164.3*	*20785.4*
70°	2500.1	2515.4	2650.6	3223.4	3584.3	4803.8	19970.3	32950.5	*33131.6*	23575.1	20203.7
72.5°	1669.7	1710.5	1982.2	2676.1	3446.6	3635.4	12057.9	28275.5	*28972.0*	22650.3	17333.7
75°	941.4	972.0	1294.7	2017.9	3247.6	3461.9	6368.9	20831.3	*21504.8*	18940.9	13366.7
77.5°	461.8	478.3	732.2	1302.4	2715.7	3298.6	3612.4	14149.9	*14919.0*	12362.8	7560.3
80°	195.2	204.1	366.1	803.6	1941.4	3148.1	2682.5	8708.3	*8804.0*	4843.3	2014.1
82.5°	75.3	77.8	154.3	501.3	1233.5	2454.2	2243.7	4129.0	*4029.5*	912.0	459.2
85°	8.9	10.2	56.1	301.0	686.3	1262.8	1822.8	1779.4	*1646.8*	181.1	236.0
87.5°	0.0	0.0	3.8	91.8	204.1	591.9	947.7	738.6	*665.8*	58.7	122.5
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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REPORT NUMBER: P323362
CATALOG NUMBER: GLEON-SA8B-830-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7617.7	7617.7	7617.7	7617.7	7617.7	7617.7	7617.7	7617.7	7617.7	7617.7	7617.7
2.5°	7598.6	7585.8	7516.9	7417.4	7323.0	7205.7	7093.4	7025.8	6972.3	6936.5	6978.6
5°	7619.0	7562.8	7353.7	7085.8	6823.0	6527.1	6251.6	6018.1	5926.3	5824.2	5870.2
7.5°	7612.6	7506.7	7130.4	6653.4	6171.2	5672.5	5200.5	4837.0	4648.2	4463.2	4510.4
10°	7580.7	7402.1	6831.9	6125.3	5403.3	4686.4	4016.8	3507.8	3223.4	2965.7	3002.7
12.5°	7510.5	7261.8	6479.9	5520.7	4555.1	3609.9	2825.4	2173.6	1824.1	1669.7	1688.9
15°	7468.5	7125.3	6107.4	4908.4	3649.4	2514.1	1727.1	1284.5	1125.1	1074.0	1080.4
17.5°	7448.0	6993.9	5722.2	4208.1	2723.3	1600.8	1116.1	984.7	950.3	941.4	943.9
20°	7427.6	6861.3	5325.5	3515.5	1876.4	1076.6	917.1	878.9	866.1	854.6	857.2
22.5°	7393.2	6733.7	4899.5	2813.9	1265.4	873.8	826.6	789.6	762.8	748.8	751.3
25°	7351.1	6599.8	4464.5	2095.8	923.5	779.4	734.7	682.4	650.5	625.0	626.3
27.5°	7283.5	6435.2	4015.5	1525.6	775.5	697.7	637.8	580.4	526.8	497.5	497.5
30°	7189.1	6249.0	3516.7	1091.9	695.2	617.4	544.7	473.2	415.8	389.0	386.5
32.5°	7084.5	6055.1	3012.9	827.8	631.4	542.1	459.2	383.9	332.9	311.2	310.0
35°	6995.2	5845.9	2510.3	693.9	567.6	469.4	378.8	315.1	274.2	256.4	255.1
37.5°	6937.8	5636.7	2020.5	619.9	510.2	401.8	317.6	260.2	230.9	216.8	215.6
40°	6928.9	5481.1	1572.8	563.8	456.7	341.9	265.3	220.7	193.9	178.6	177.3
42.5°	7045.0	5391.8	1206.7	516.6	401.8	289.6	225.8	188.8	160.7	145.4	144.1
45°	7349.8	5419.9	928.6	474.5	347.0	244.9	191.3	156.9	131.4	119.9	117.4
47.5°	7906.0	5613.8	738.6	432.4	294.7	207.9	163.3	130.1	108.4	96.9	95.7
50°	8895.8	6069.2	617.4	386.5	246.2	177.3	135.2	105.9	88.0	77.8	76.5
52.5°	10209.6	6880.4	551.0	341.9	204.1	150.5	111.0	84.2	68.9	61.2	60.0
55°	11658.7	7862.6	507.7	293.4	167.1	125.0	88.0	66.3	53.6	47.2	44.6
57.5°	13073.3	8713.4	466.9	246.2	139.0	102.0	70.2	52.3	42.1	35.7	34.4
60°	14373.1	9495.3	419.7	197.7	113.5	80.4	54.8	40.8	33.2	26.8	26.8
62.5°	15764.7	10100.0	354.6	154.3	93.1	61.2	44.6	37.0	26.8	23.0	21.7
65°	17239.3	10549.0	278.1	119.9	72.7	45.9	37.0	38.3	21.7	16.6	15.3
67.5°	18328.6	10459.7	205.4	94.4	56.1	35.7	35.7	40.8	19.1	12.8	11.5
69°	*18088.8*	*9733.9*	*172.2*	*81.6*	*48.5*	*30.6*	*33.2*	*40.8*	*17.9*	*11.5*	*10.2*
70°	17393.7	8930.3	151.8	72.7	43.4	28.1	31.9	39.5	16.6	11.5	10.2
72.5°	14485.4	6726.1	118.6	54.8	34.4	23.0	26.8	34.4	16.6	11.5	8.9
75°	10895.9	4305.0	90.6	39.5	25.5	17.9	20.4	25.5	16.6	10.2	8.9
77.5°	5928.8	1552.4	65.1	26.8	17.9	14.0	14.0	19.1	15.3	7.7	5.1
80°	1524.3	390.3	40.8	17.9	14.0	10.2	8.9	12.8	8.9	1.3	0.0
82.5°	376.3	88.0	21.7	12.8	10.2	3.8	3.8	6.4	3.8	0.0	0.0
85°	206.6	43.4	14.0	8.9	5.1	0.0	0.0	1.3	0.0	0.0	0.0
87.5°	105.9	12.8	3.8	2.6	1.3	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

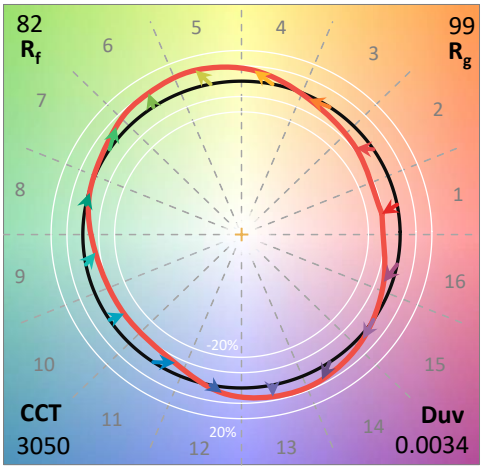
Test Information

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

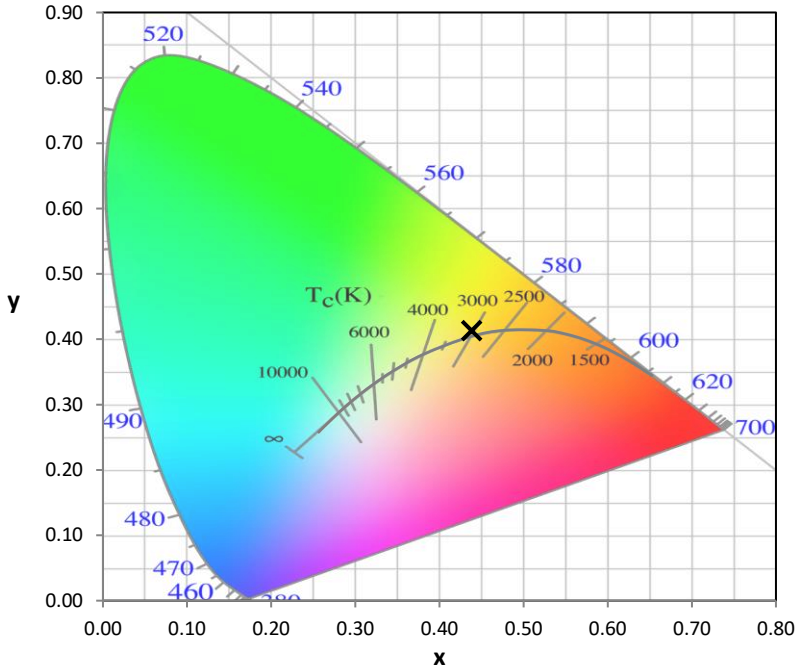
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

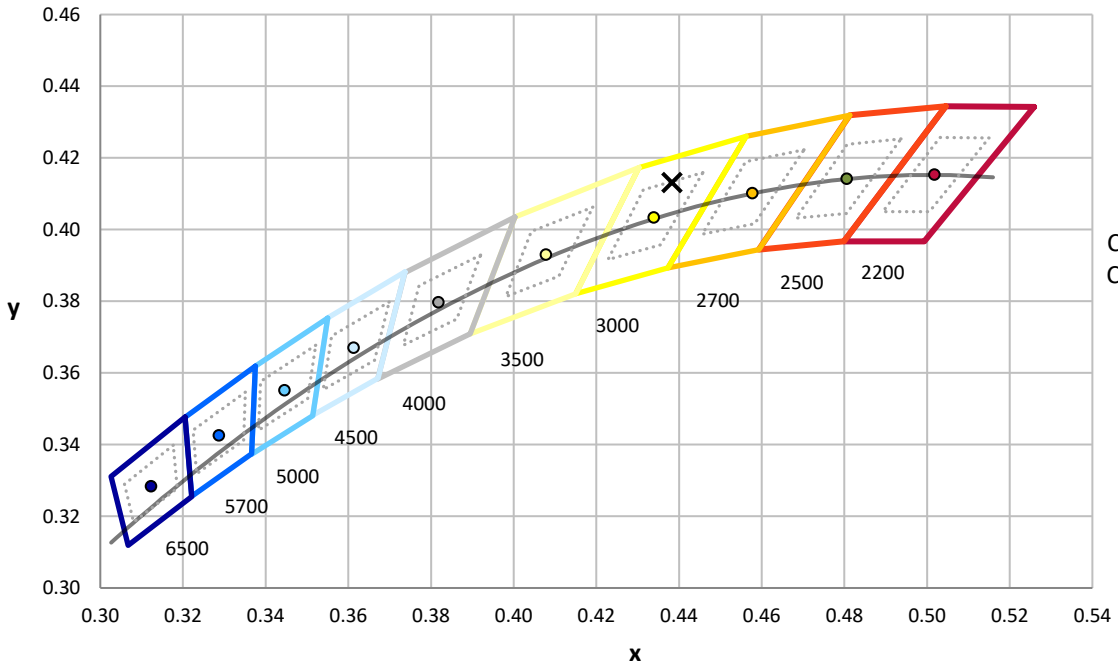
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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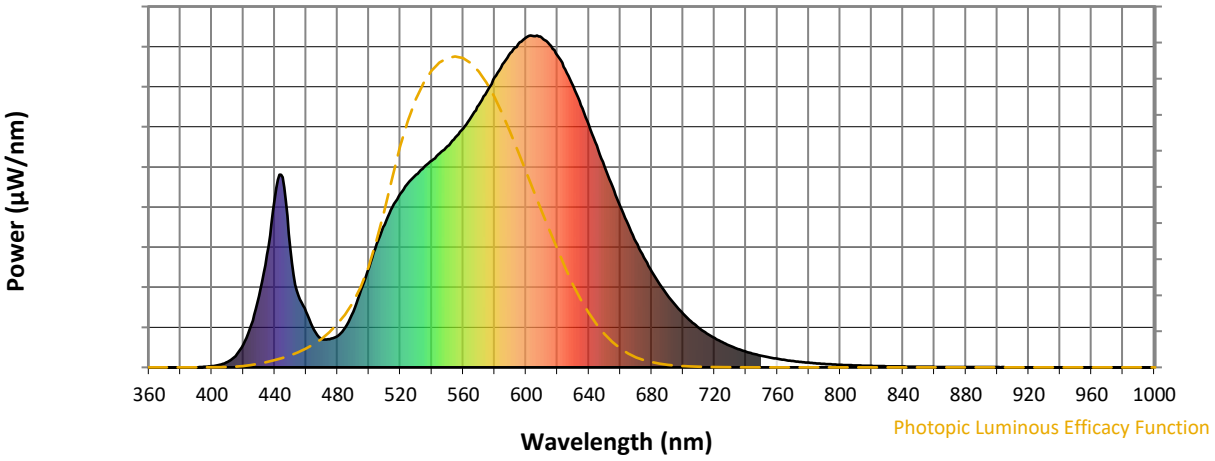
Photopic Flux vs. Wavelength



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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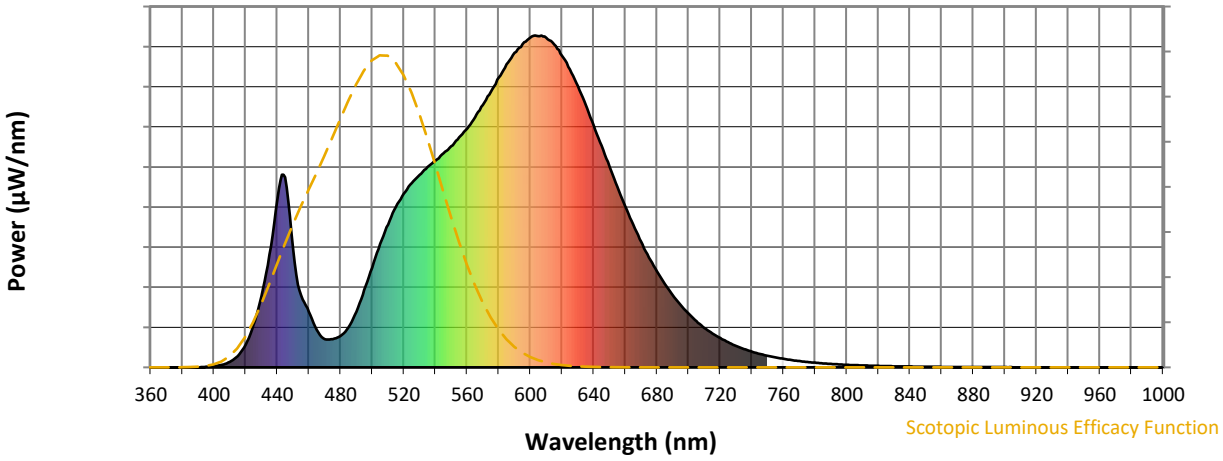
Scotopic Flux vs. Wavelength



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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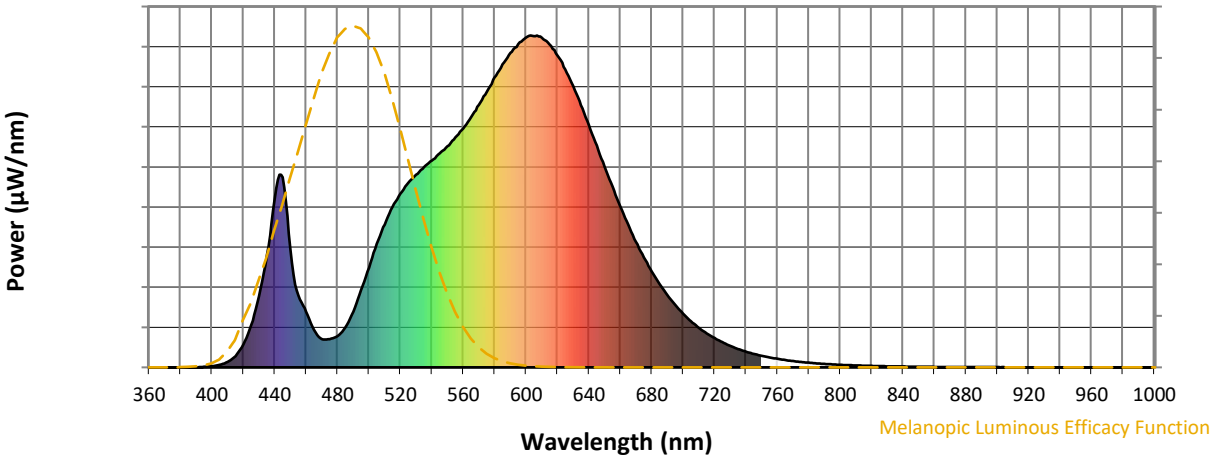
Melanopic Flux vs. Wavelength



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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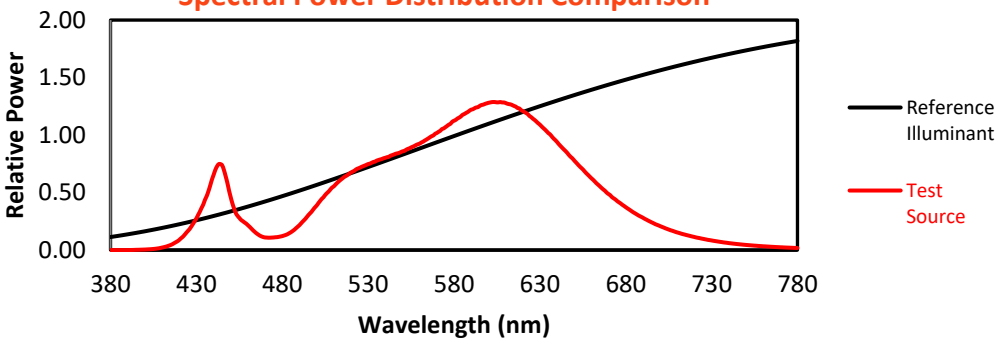
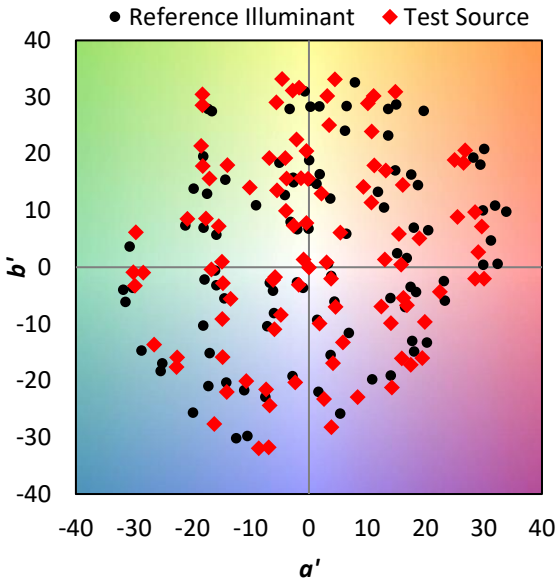
Summary

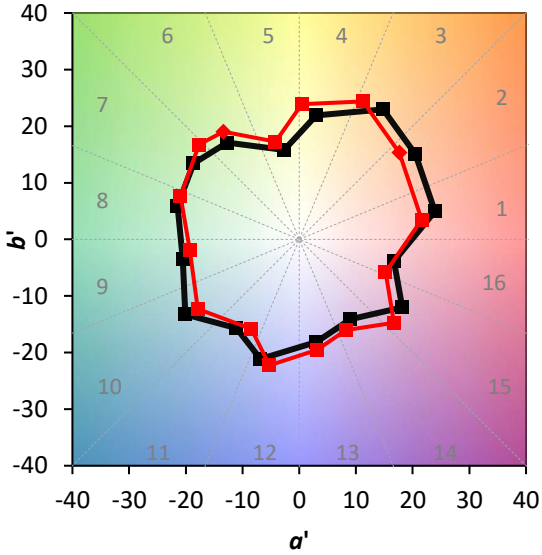
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

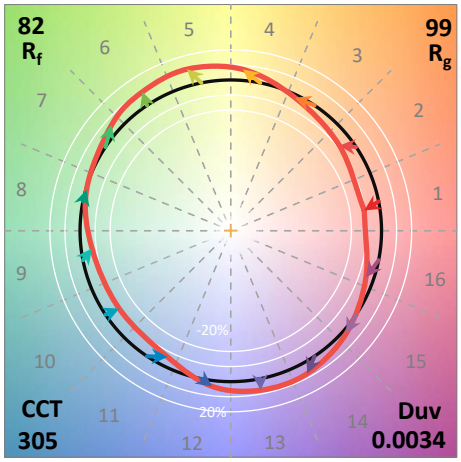
Spectral Power Distribution Comparison

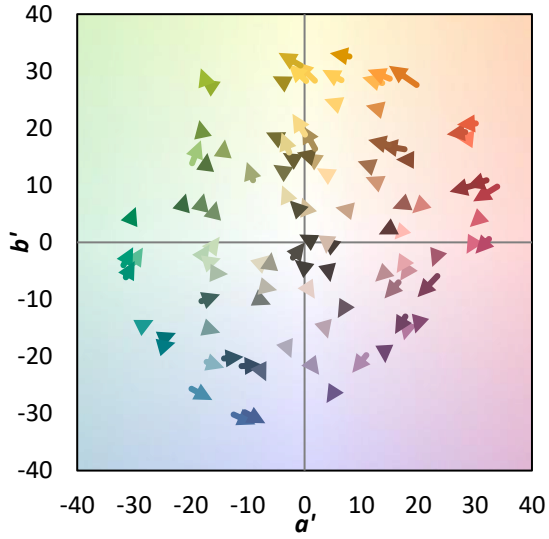


Color Vector Graphics









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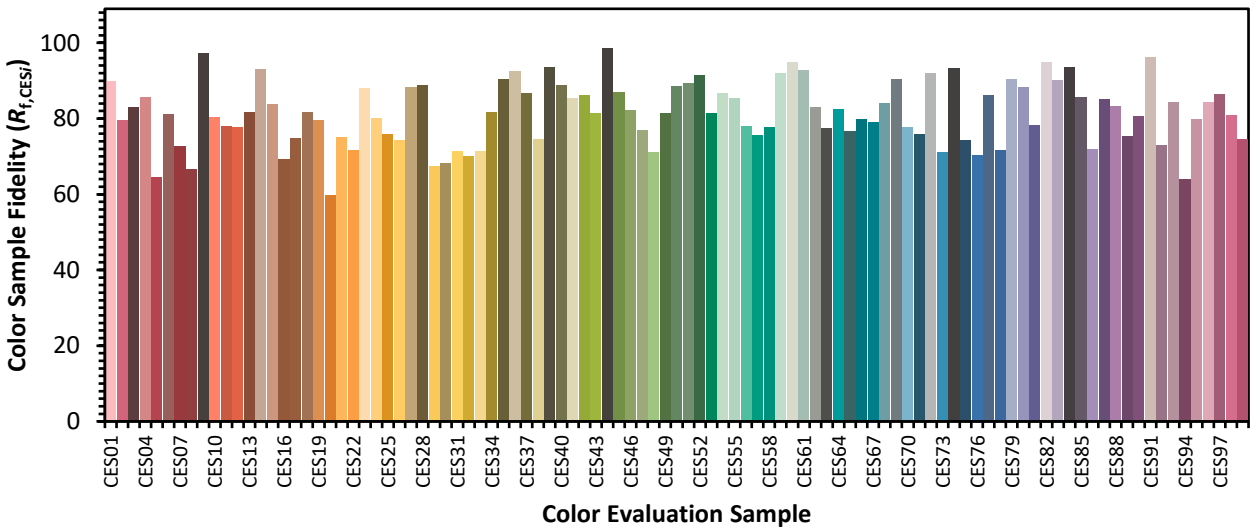
Individual Sample Fidelity Index ($R_{f,i}$)

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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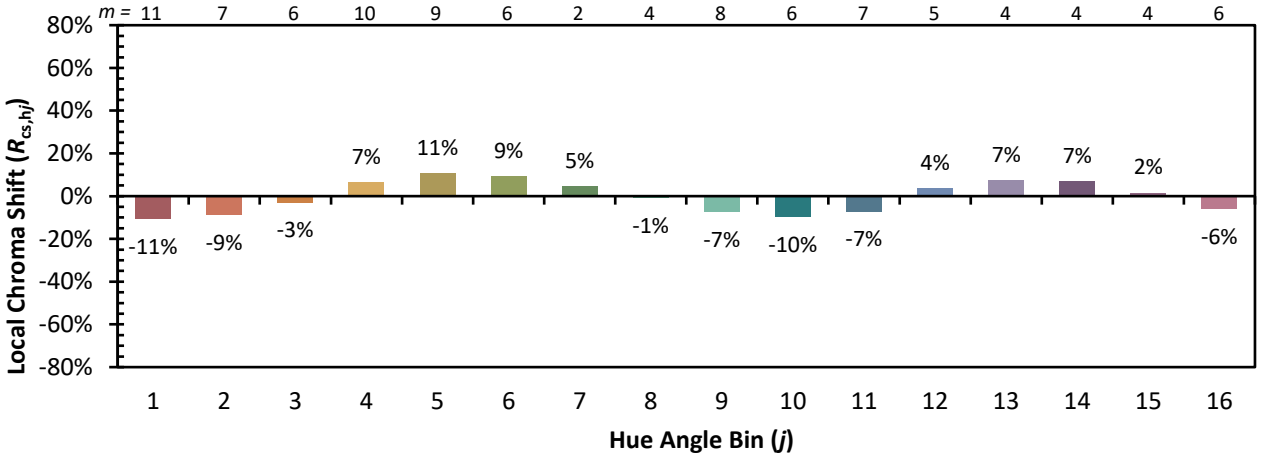
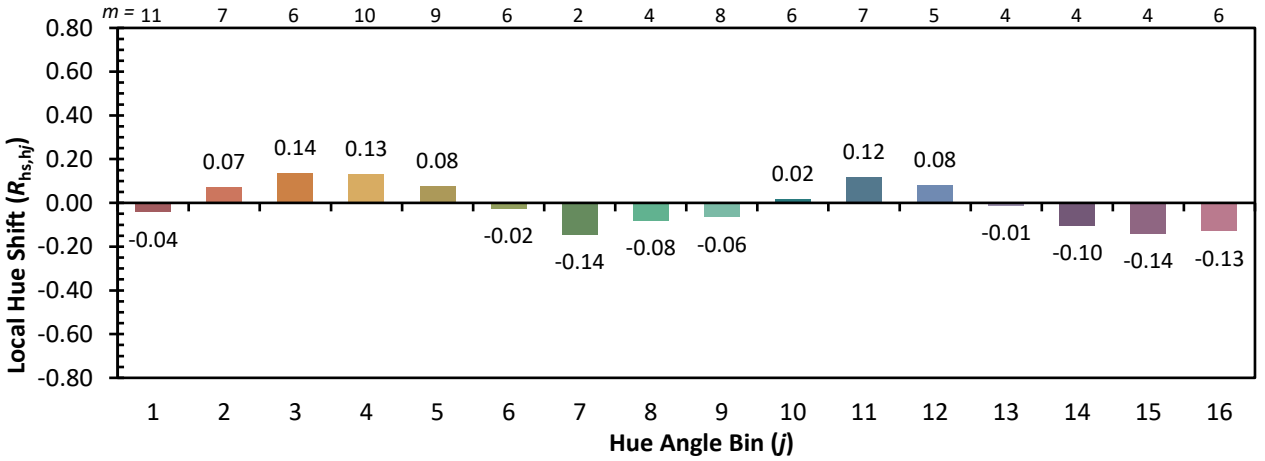
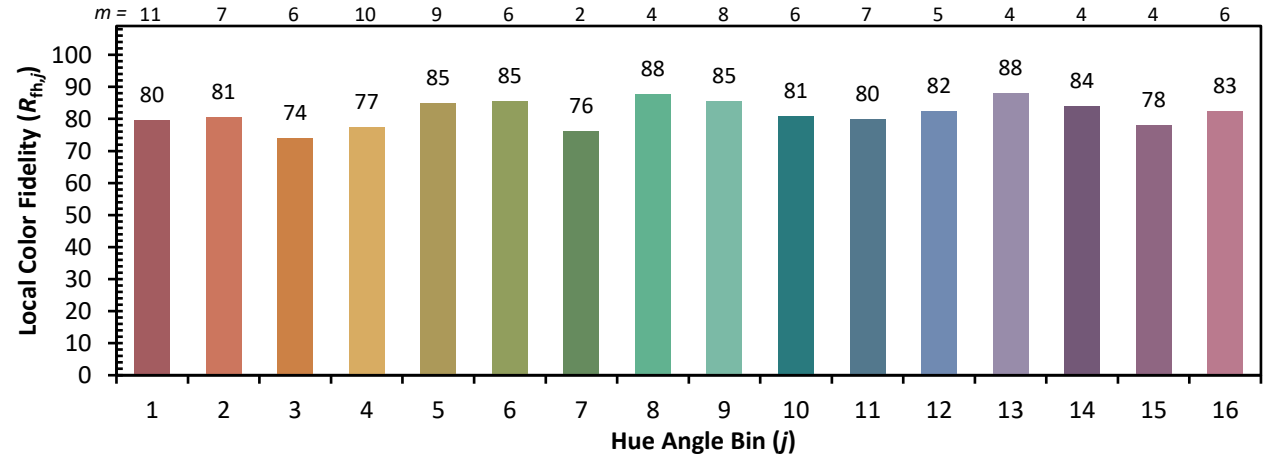
Color Rendition by Hue-Angle Bin







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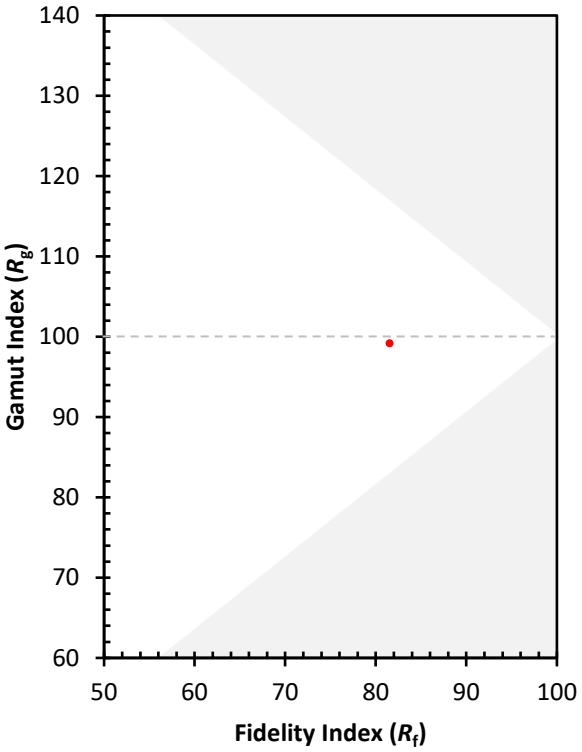
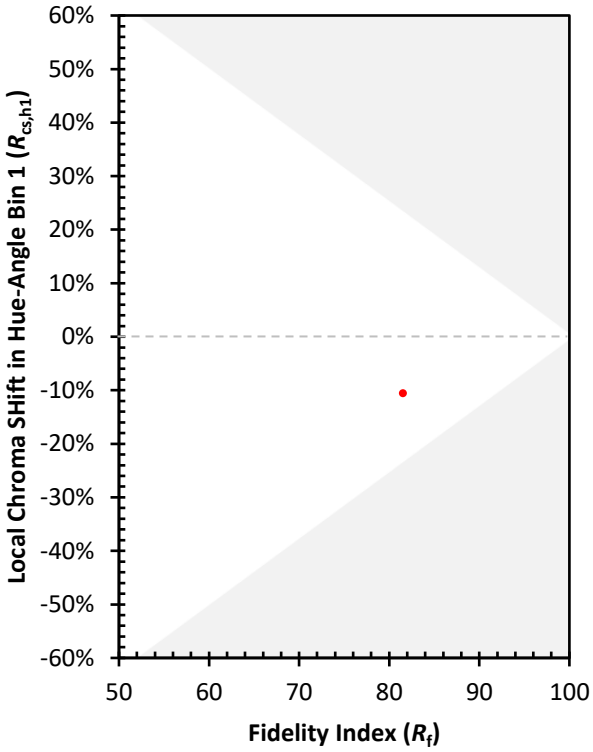
Measure Comparisons





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