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: P319202

Luminaire Tested: **GLEON-SA8B-830-U-T4W**

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:	P319202
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
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-T4W
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	36140 lumens
Efficiency:	N/A
Efficacy:	108.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

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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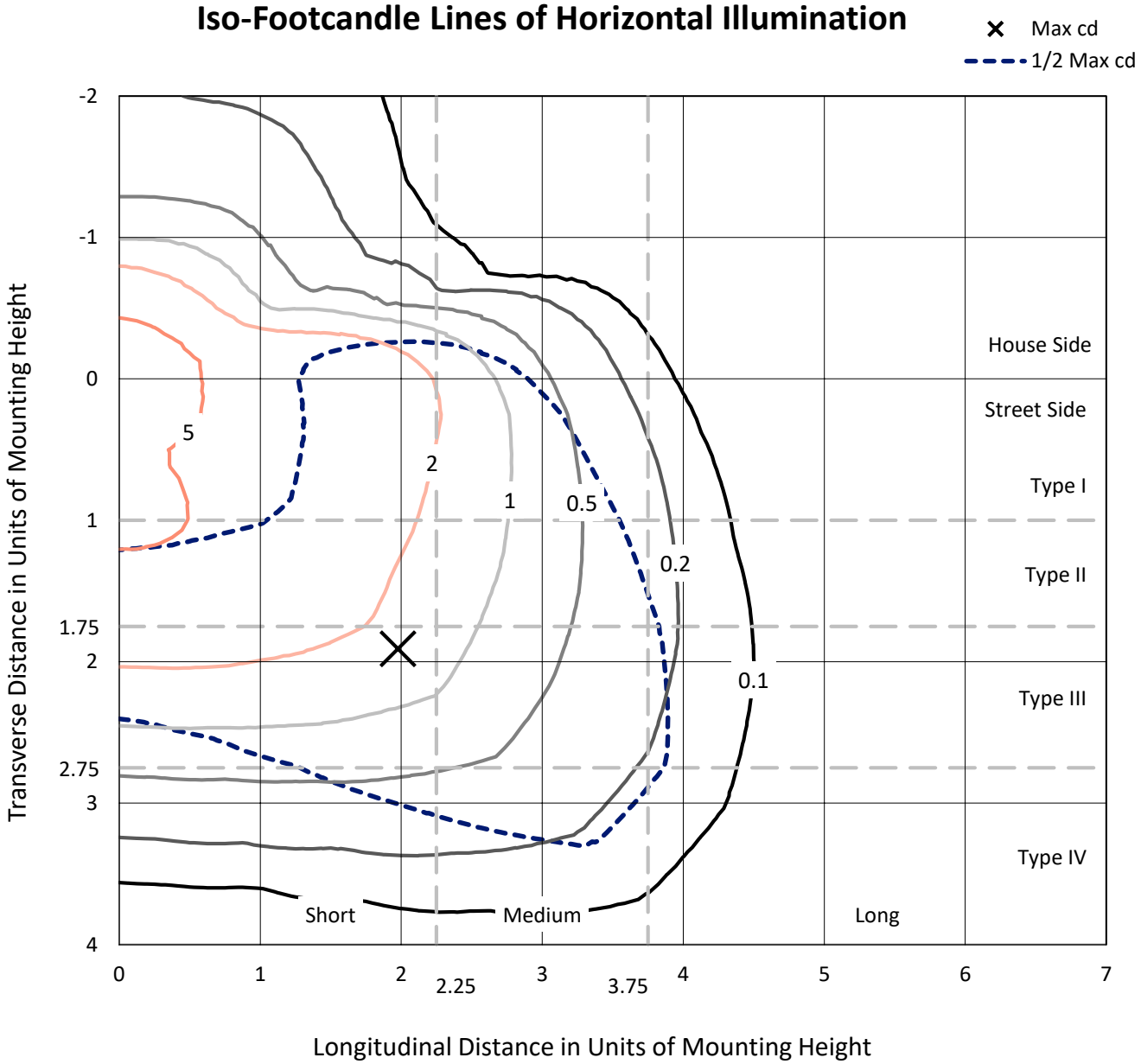
REPORT NUMBER: P319202
CATALOG NUMBER: GLEON-SA8B-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
Type IV - Short - N/A

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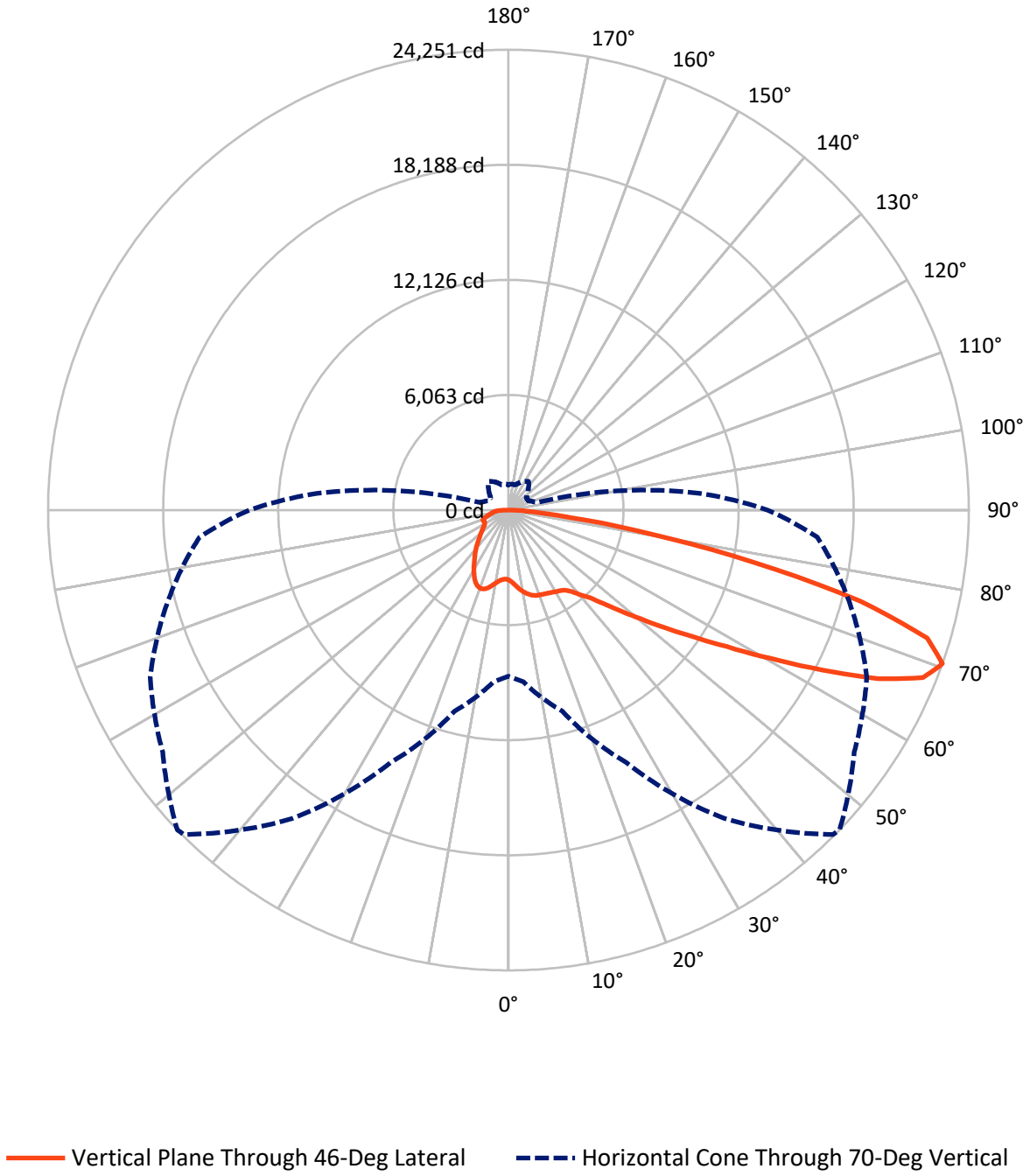
Luminous Intensity Polar Plot



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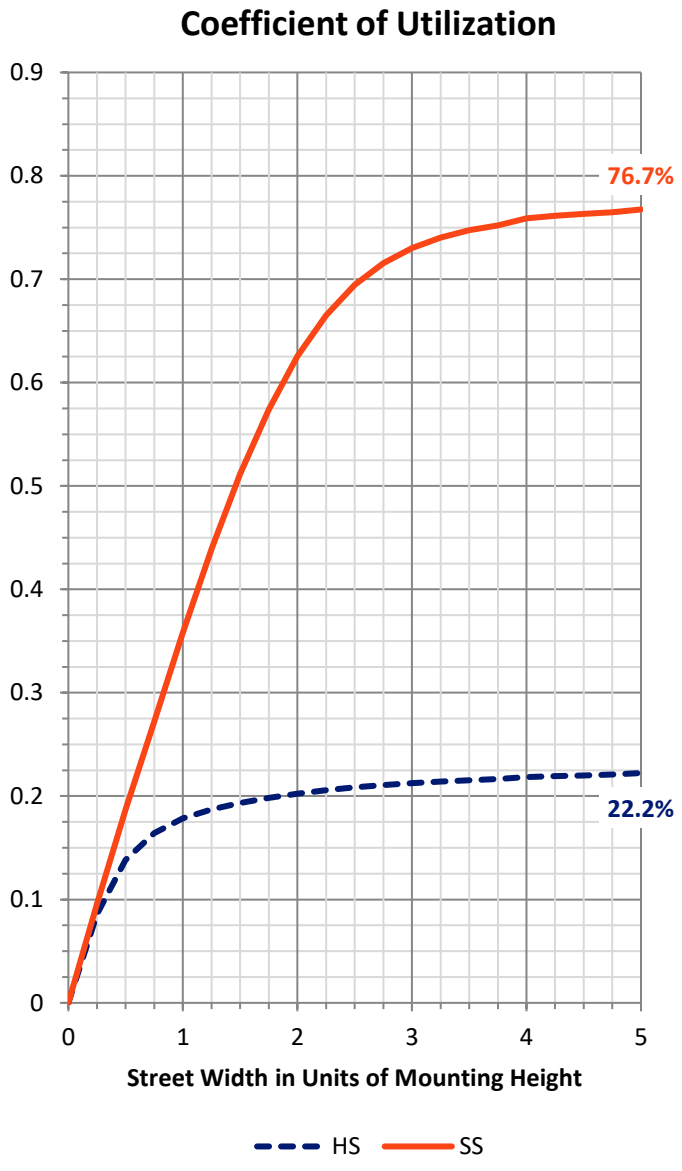
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8283.2	0.0	8283.2
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	27856.8	0.0	27856.8
	% Fixture	77.1	0.0	77.1
Total	Lumens	36140.0	0.0	36140.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.3	1.0
10°-20°	1250.6	3.5
20°-30°	2085.1	5.8
30°-40°	2958.9	8.2
40°-50°	4352.5	12.0
50°-60°	7370.9	20.4
60°-70°	10462.8	29.0
70°-80°	6356.3	17.6
80°-90°	927.6	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°	36140.0	100.0
0°-180°	36140.0	100.0



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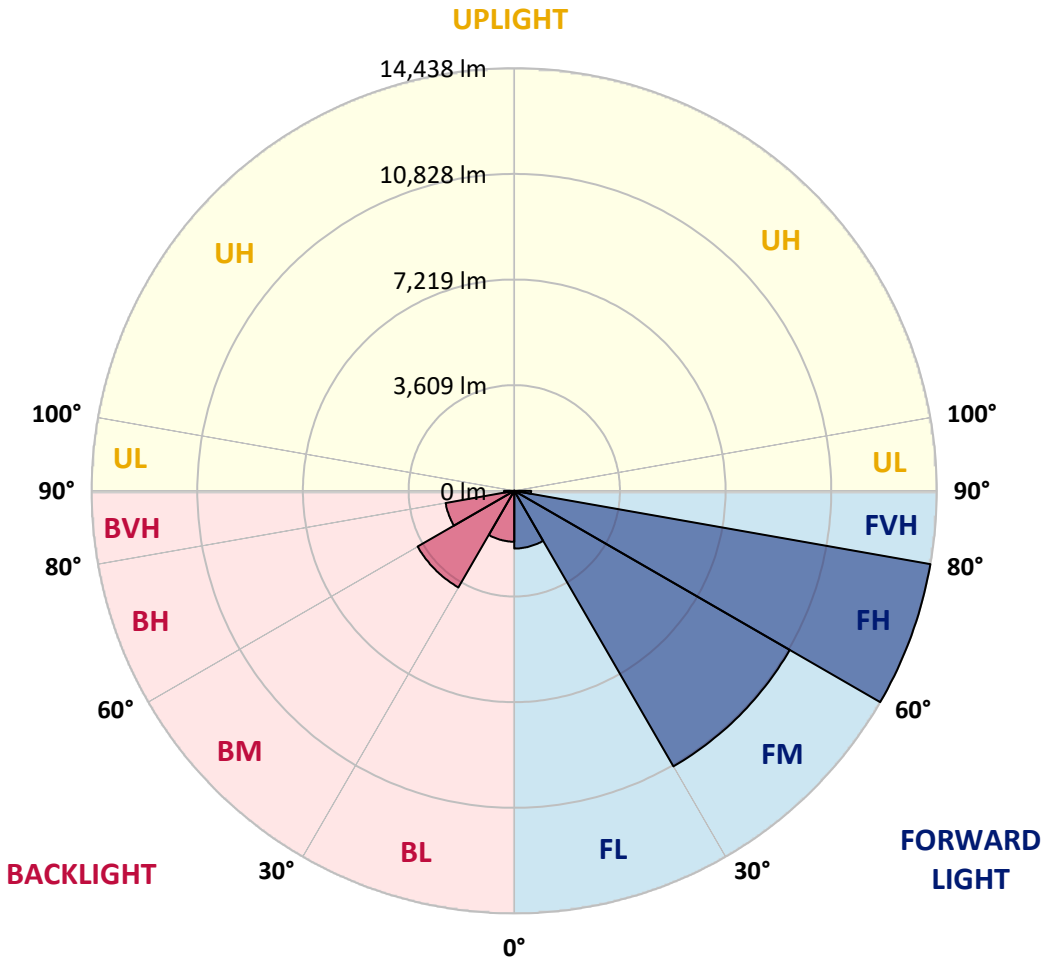
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1972.0	5.5			
FM	(30°-60°)	10869.3	30.1			
FH	(60°-80°)	14437.7	39.9			G5
FVH	(80°-90°)	577.8	1.6			G4/750
BL	(0°-30°)	1739.1	4.8	B3/2500		
BM	(30°-60°)	3813.0	10.6	B3/5000		
BH	(60°-80°)	2381.3	6.6	B3/2500		G3/2500
BVH	(80°-90°)	349.8	1.0			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 IV Short



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REPORT NUMBER: P319202
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	*3682.0*	3682.0	3682.0	3682.0	3682.0
2.5°	3866.2	3868.7	3873.7	3861.3	3826.7	3816.8	*3813.1*	3777.2	3753.7	3719.1	3689.4
5°	4175.4	4177.9	4170.5	4135.9	4059.2	4002.3	*3997.3*	3915.7	3841.5	3762.4	3703.0
7.5°	4498.2	4502.0	4478.5	4412.9	4305.3	4206.4	*4200.2*	4088.9	3976.3	3856.3	3767.3
10°	4783.9	4769.1	4730.8	4639.2	4511.9	4390.6	*4385.7*	4269.4	4139.6	3994.9	3876.1
12.5°	4974.4	4962.0	4912.6	4801.3	4661.5	4550.2	*4540.3*	4432.7	4306.5	4148.2	4006.0
15°	5079.5	5088.2	5021.4	4895.3	4759.2	4665.2	*4656.6*	4579.9	4467.3	4307.8	4144.5
17.5°	5093.1	5100.6	5036.3	4911.3	4800.0	4735.7	*4732.0*	4681.3	4599.7	4446.3	4275.6
20°	5014.0	5018.9	4965.8	4863.1	4790.1	4770.3	*4769.1*	4746.8	4686.2	4550.2	4384.5
22.5°	4899.0	4902.7	4864.3	4790.1	4765.4	4796.3	*4805.0*	4796.3	4753.0	4625.6	4469.8
25°	4870.5	4868.1	4828.5	4753.0	4774.1	4839.6	*4850.7*	4854.4	4824.8	4713.5	4578.6
27.5°	5007.8	4999.2	4923.7	4802.5	4816.1	4895.3	*4910.1*	4946.0	4927.4	4829.7	4702.3
30°	5404.8	5390.0	5235.4	4990.5	4923.7	4964.5	*4983.1*	5040.0	5043.7	4962.0	4866.8
32.5°	6075.2	6056.6	5779.6	5341.7	5105.5	5035.0	*5052.3*	5137.7	5183.4	5120.4	5017.7
35°	6922.4	6901.4	6537.7	5939.1	5409.8	5169.8	*5182.2*	5250.2	5341.7	5252.7	5116.6
37.5°	7805.5	7754.7	7404.7	6641.6	5893.4	5458.0	*5458.0*	5466.7	5510.0	5324.4	5232.9
40°	8683.6	8632.9	8316.3	7467.8	6519.2	5911.9	*5883.5*	5691.8	5657.1	5497.6	5466.7
42.5°	9499.9	9485.0	9298.3	8401.6	7253.8	6358.4	*6318.8*	5993.5	6001.0	5902.0	5903.3
45°	10368.1	10368.1	10216.0	9344.0	8109.7	7075.7	*7036.2*	6557.5	6631.7	6586.0	6696.0
47.5°	11076.8	11099.1	11078.0	10326.1	9105.3	7987.3	*7915.5*	7339.2	7547.0	7704.0	8024.4
50°	11800.3	11835.0	11838.7	11403.3	10308.7	9070.7	*8989.1*	8376.9	8840.7	9290.9	9920.4
52.5°	12850.4	12928.3	12617.9	12478.1	11783.0	10357.0	*10276.6*	9711.4	10485.6	11117.6	12202.3
55°	13823.7	13755.7	13534.3	13620.9	13361.2	11821.4	*11760.7*	11264.8	12318.5	13139.8	14548.5
57.5°	14350.6	14345.7	14568.3	14939.3	15063.0	13627.1	*13576.4*	13094.0	14385.2	15002.4	16751.2
60°	14969.0	14977.7	15529.3	16371.5	16881.1	15875.6	*15853.3*	15487.2	16392.6	16741.3	18479.1
62.5°	15055.6	15211.4	16161.3	17610.8	18582.9	18502.6	*18552.0*	17643.0	18188.4	18129.0	19769.0
65°	14060.0	14265.3	15984.4	17985.6	20274.9	21375.6	*21421.4*	19811.1	19604.5	19315.1	20230.4
67.5°	12019.2	12323.5	14191.1	17170.5	20832.7	23499.2	*23563.5*	21491.9	20779.5	19717.1	19119.7
70°	*8746.7*	*9084.3*	*10964.2*	*14664.8*	*19838.3*	*24178.2*	*24251.2*	*22235.2*	*20824.0*	*18573.1*	*16322.1*
72.5°	5283.6	5548.3	7098.0	10796.0	16743.8	22941.4	*23071.3*	21292.8	19012.1	15732.1	12052.6
75°	2320.2	2493.4	3432.1	6221.1	11987.1	18981.2	*19143.2*	18225.5	15447.7	11433.0	7124.0
77.5°	988.2	1037.7	1407.5	2702.4	6776.4	12970.3	*13193.0*	13316.6	10480.7	6221.1	3010.4
80°	615.9	635.7	796.5	1223.2	3171.2	7284.8	*7524.7*	7835.1	5204.5	2286.8	1051.3
82.5°	374.8	397.0	529.4	739.6	1651.1	3302.3	*3417.3*	3636.2	2019.7	988.2	544.2
85°	225.1	241.2	324.0	467.5	940.0	1298.6	*1297.4*	1434.7	951.1	635.7	286.9
87.5°	107.6	120.0	173.2	242.4	473.7	487.3	*456.4*	517.0	577.6	416.8	144.7
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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CATALOG NUMBER: GLEON-SA8B-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0	3682.0
2.5°	3679.5	3674.5	3658.5	3646.1	3643.6	3636.2	3630.0	3633.7	3638.7	3639.9	3639.9
5°	3678.2	3664.6	3643.6	3635.0	3646.1	3660.9	3679.5	3704.2	3719.1	3730.2	3737.6
7.5°	3737.6	3711.6	3688.1	3683.2	3705.5	3745.0	3787.1	3839.0	3874.9	3899.6	3904.6
10°	3836.6	3804.4	3780.9	3785.8	3825.4	3882.3	3941.7	4008.5	4062.9	4096.3	4098.8
12.5°	3950.3	3919.4	3897.2	3918.2	3983.7	4053.0	4114.8	4173.0	4222.4	4255.8	4255.8
15°	4081.4	4059.2	4033.2	4081.4	4170.5	4232.3	4258.3	4286.8	4314.0	4338.7	4333.8
17.5°	4207.6	4186.6	4173.0	4229.9	4322.6	4351.1	4333.8	4312.7	4312.7	4326.3	4328.8
20°	4316.4	4297.9	4306.5	4362.2	4410.4	4380.8	4316.4	4249.7	4222.4	4229.9	4237.3
22.5°	4411.7	4403.0	4429.0	4455.0	4420.3	4316.4	4197.7	4107.4	4074.0	4071.6	4074.0
25°	4523.0	4521.7	4553.9	4506.9	4353.5	4161.8	4002.3	3914.5	3895.9	3910.8	3935.5
27.5°	4661.5	4675.1	4691.2	4519.3	4217.5	3928.1	3766.1	3705.5	3724.0	3759.9	3783.4
30°	4838.4	4875.5	4840.8	4488.4	4022.1	3660.9	3506.3	3489.0	3539.7	3590.4	3615.2
32.5°	5010.3	5068.4	4984.3	4408.0	3769.8	3377.7	3257.7	3252.8	3314.6	3364.1	3398.7
35°	5148.8	5263.8	5091.9	4248.4	3477.9	3116.7	3028.9	2995.5	3017.8	3075.9	3115.5
37.5°	5329.4	5521.1	5166.1	4004.8	3161.3	2901.5	2798.9	2722.2	2702.4	2725.9	2745.7
40°	5659.6	5913.1	5200.8	3664.6	2852.1	2686.3	2582.4	2469.9	2392.0	2335.1	2336.3
42.5°	6198.9	6423.9	5178.5	3251.6	2566.4	2476.1	2358.6	2228.7	2102.6	1973.9	1964.0
45°	7074.5	7183.3	5111.7	2813.7	2315.3	2255.9	2145.9	2016.0	1847.8	1701.8	1688.2
47.5°	8475.8	8234.6	5007.8	2431.6	2093.9	2069.2	1967.8	1818.1	1640.0	1522.5	1512.6
50°	10386.7	9752.2	4957.1	2127.3	1898.5	1905.9	1823.0	1664.7	1496.5	1410.0	1400.1
52.5°	12672.3	11519.6	5054.8	1892.3	1741.4	1767.4	1705.5	1557.1	1416.1	1348.1	1338.2
55°	15043.2	13350.0	5159.9	1721.6	1593.0	1643.7	1622.7	1500.2	1372.8	1309.8	1301.1
57.5°	17072.8	14716.7	4949.7	1583.1	1460.7	1539.8	1558.4	1464.4	1350.6	1293.7	1283.8
60°	18350.4	15267.1	4398.1	1453.2	1355.5	1457.0	1521.3	1454.5	1359.2	1354.3	1346.9
62.5°	18956.5	15218.8	3570.6	1350.6	1290.0	1421.1	1548.5	1510.1	1458.2	1502.7	1506.4
65°	18684.4	14491.6	2659.1	1282.6	1243.0	1434.7	1630.1	1615.3	1486.6	1531.2	1537.3
67.5°	16893.5	12756.4	1969.0	1223.2	1191.0	1473.0	1778.5	1649.9	1431.0	1463.1	1443.3
70°	*13654.3*	*10113.3*	*1518.8*	*1156.4*	*1137.9*	*1468.1*	*1845.3*	*1628.9*	*1370.4*	*1377.8*	*1324.6*
72.5°	9415.8	6896.4	1235.6	1094.6	1061.2	1338.2	1798.3	1576.9	1319.7	1262.8	1192.3
75°	5120.4	3701.7	1050.0	1030.3	926.4	1175.0	1711.7	1539.8	1273.9	1198.5	1158.9
77.5°	2014.7	1536.1	911.5	942.4	810.1	1037.7	1615.3	1469.3	1210.8	1111.9	1092.1
80°	822.5	784.1	755.7	815.1	696.3	907.8	1499.0	1386.5	1135.4	1031.5	991.9
82.5°	466.3	487.3	587.5	643.1	565.2	836.1	1443.3	1319.7	1045.1	923.9	876.9
85°	238.7	285.7	409.4	461.3	415.6	711.2	1329.6	1155.2	838.6	707.5	711.2
87.5°	115.0	159.5	258.5	289.4	269.6	514.5	993.2	837.3	653.0	517.0	500.9
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

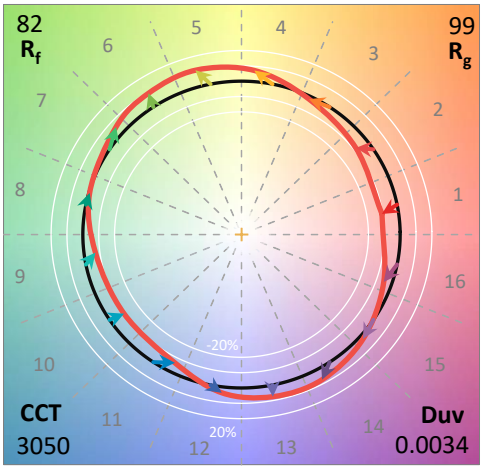
Test Information

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

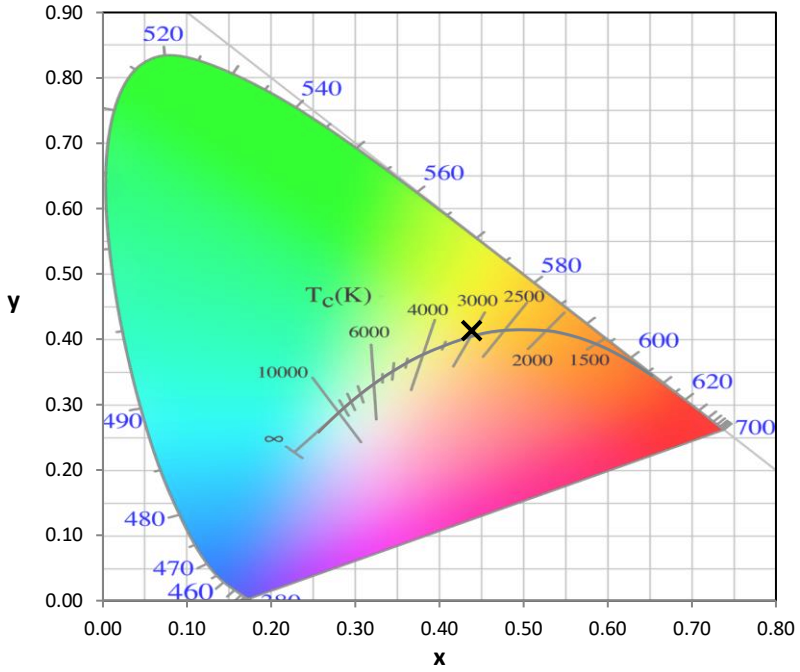
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

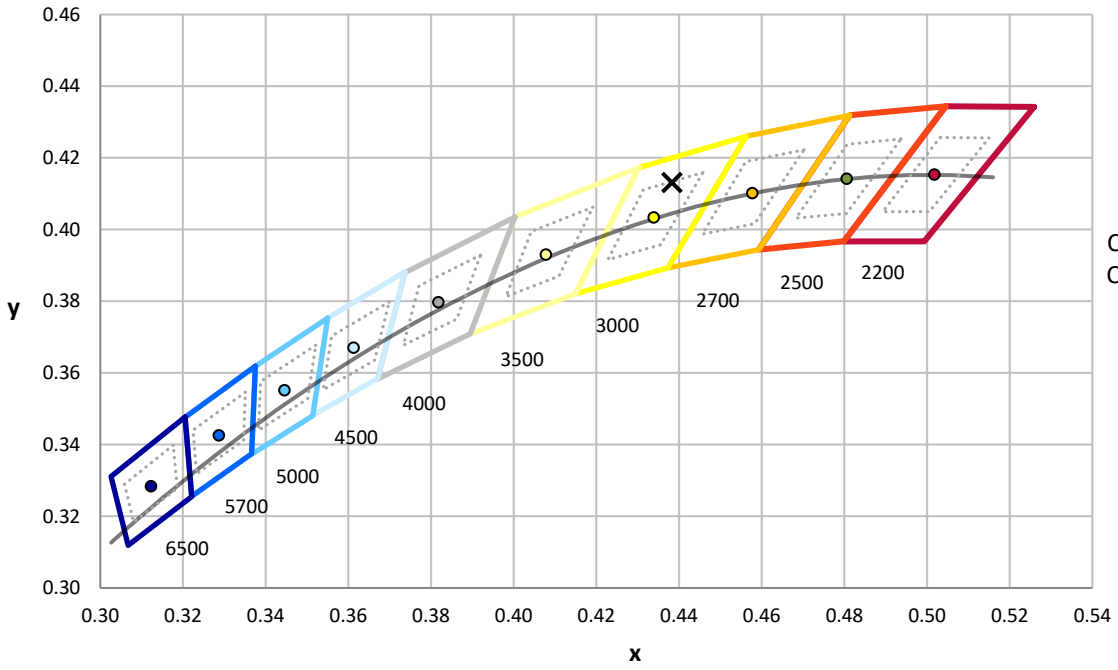
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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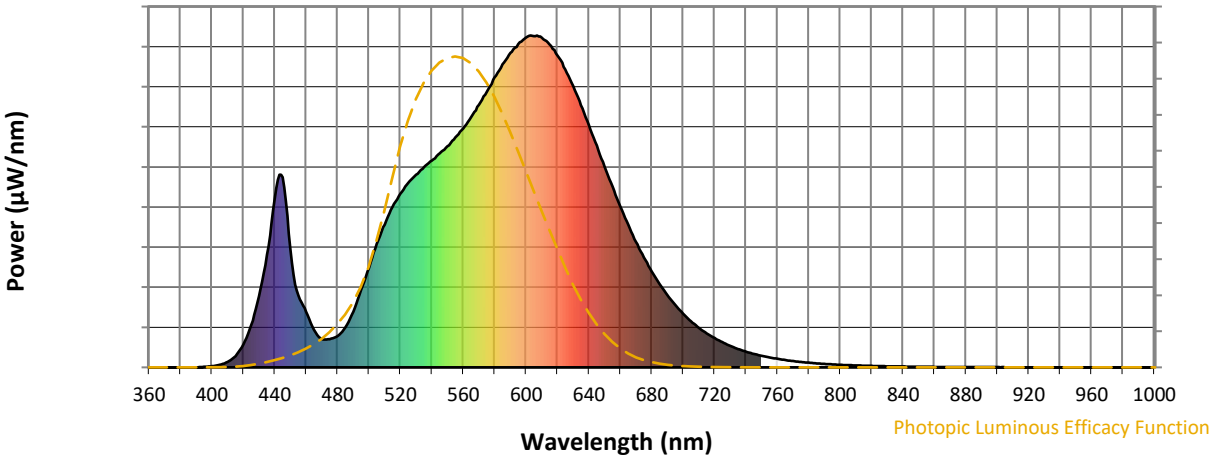
Photopic Flux vs. Wavelength



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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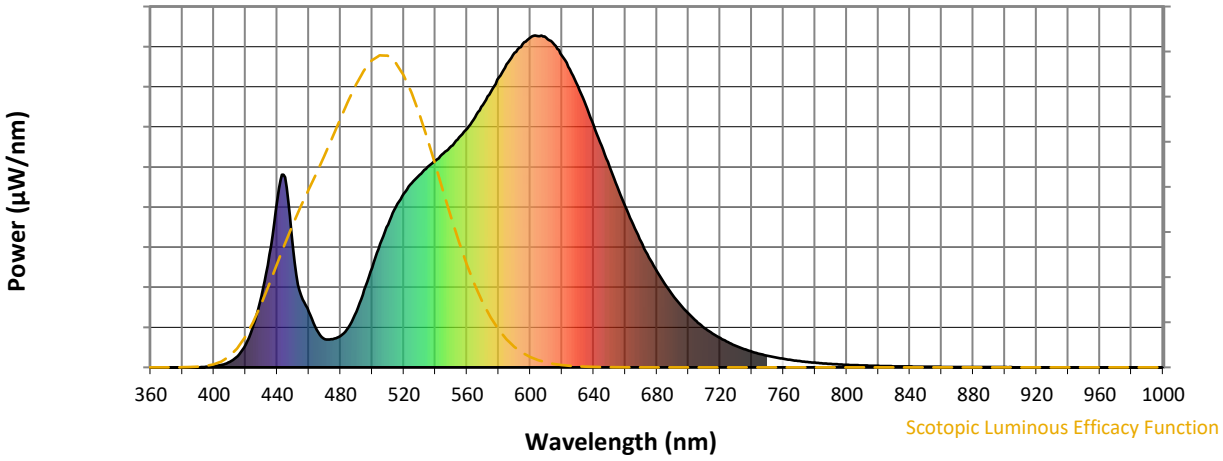
Scotopic Flux vs. Wavelength



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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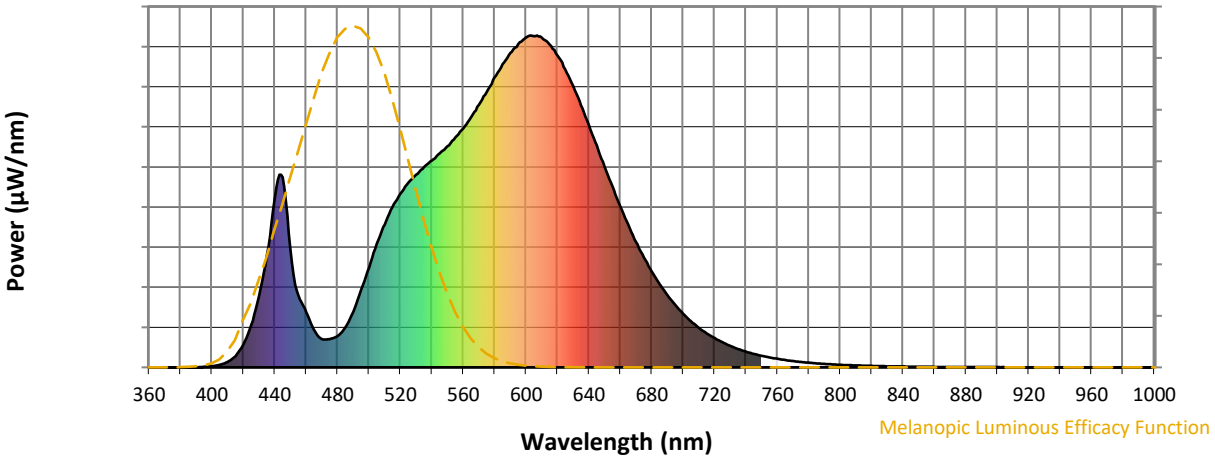
Melanopic Flux vs. Wavelength



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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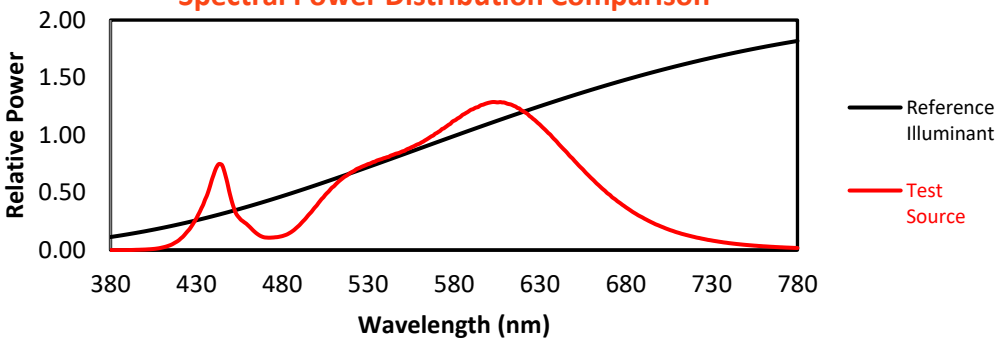
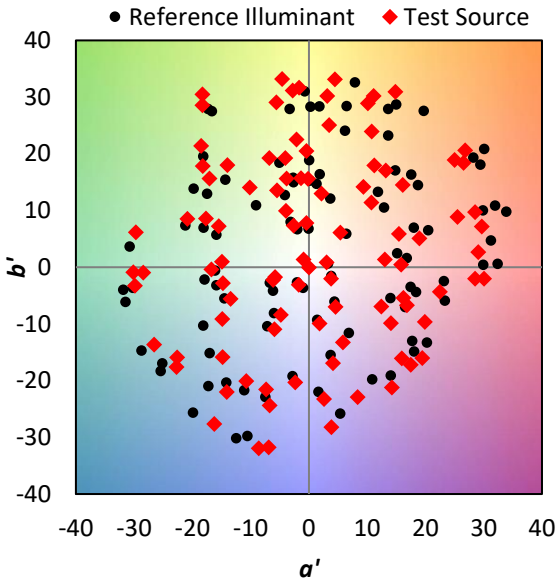
Summary

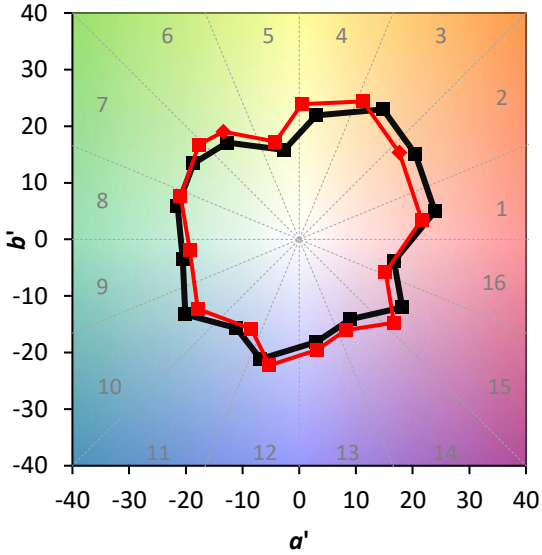
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

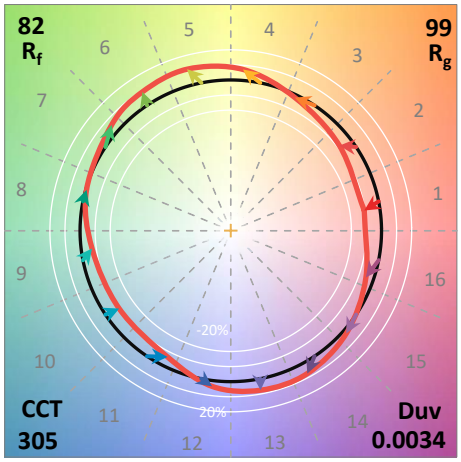
Spectral Power Distribution Comparison

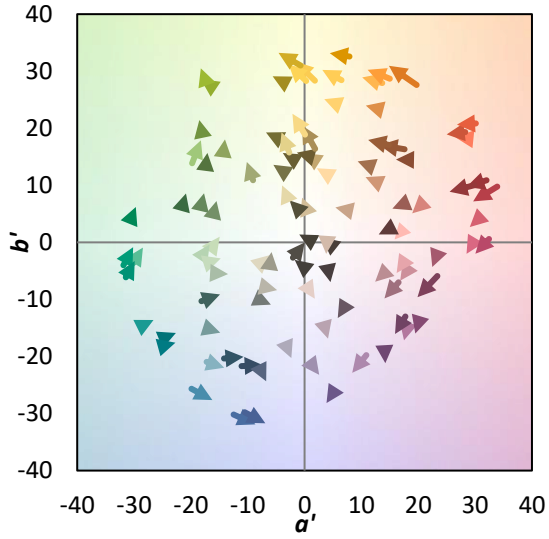


Color Vector Graphics









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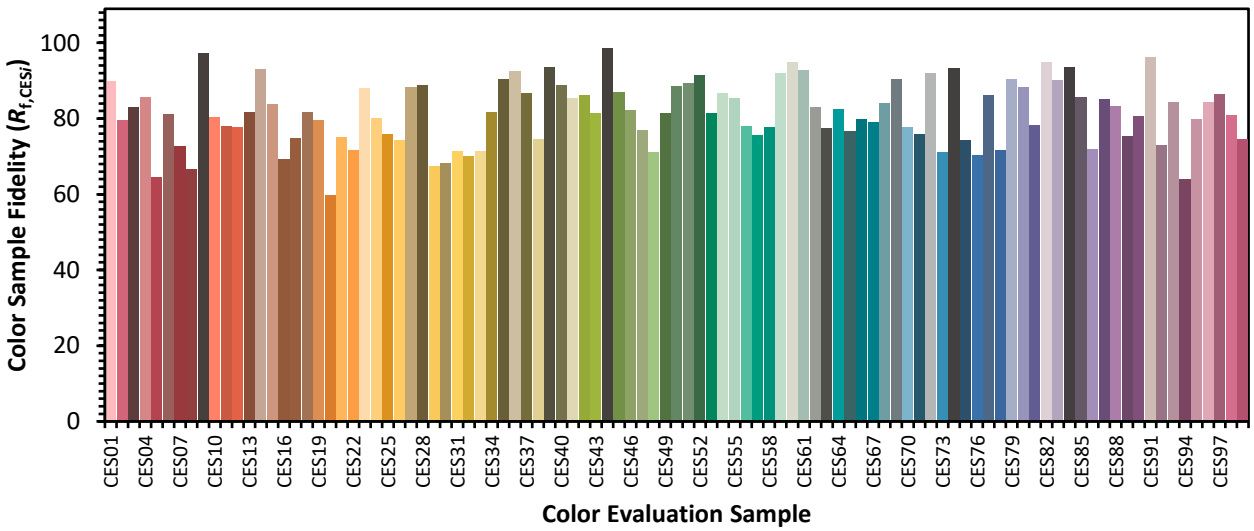
Individual Sample Fidelity Index ($R_{f,i}$)

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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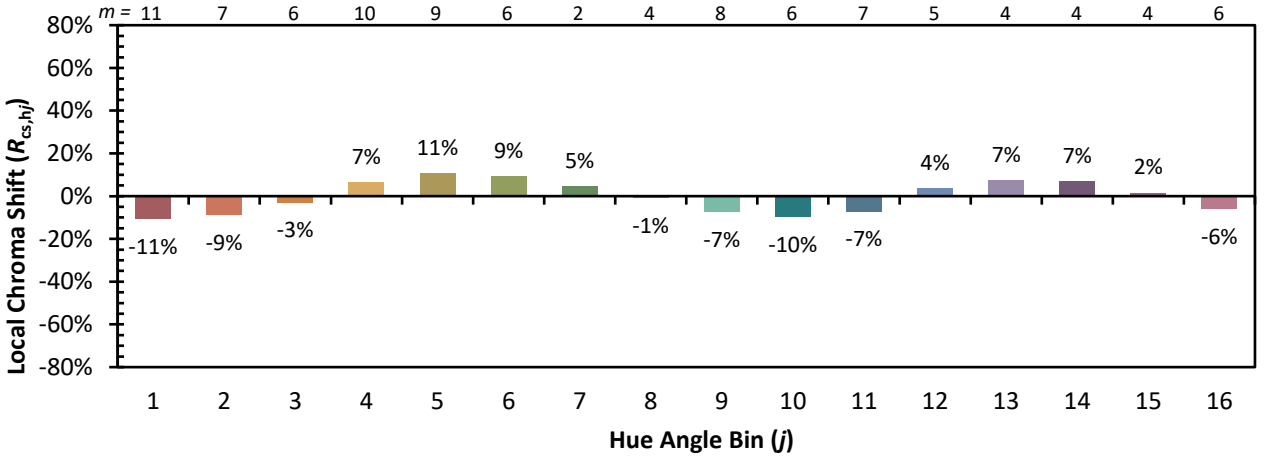
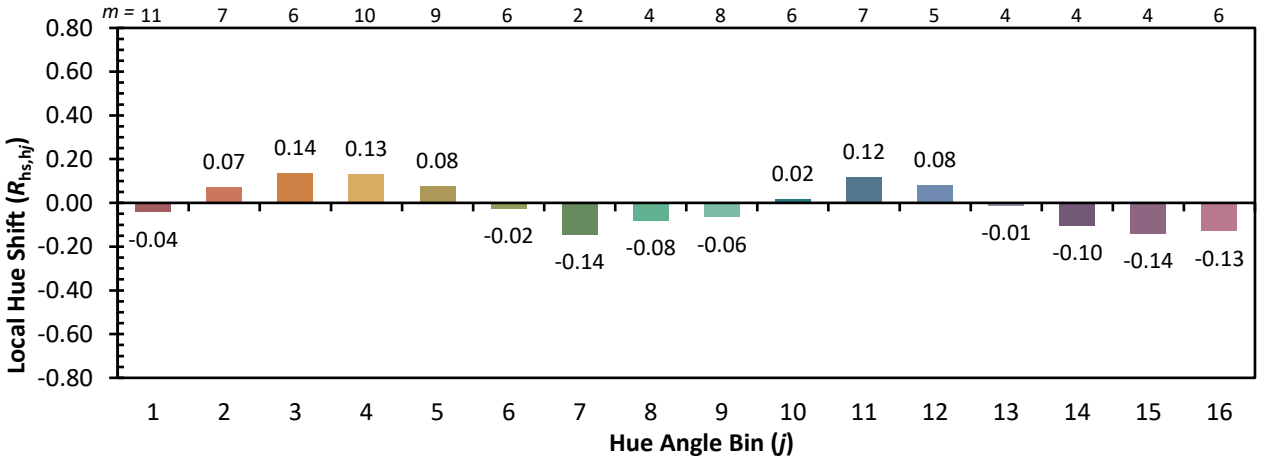
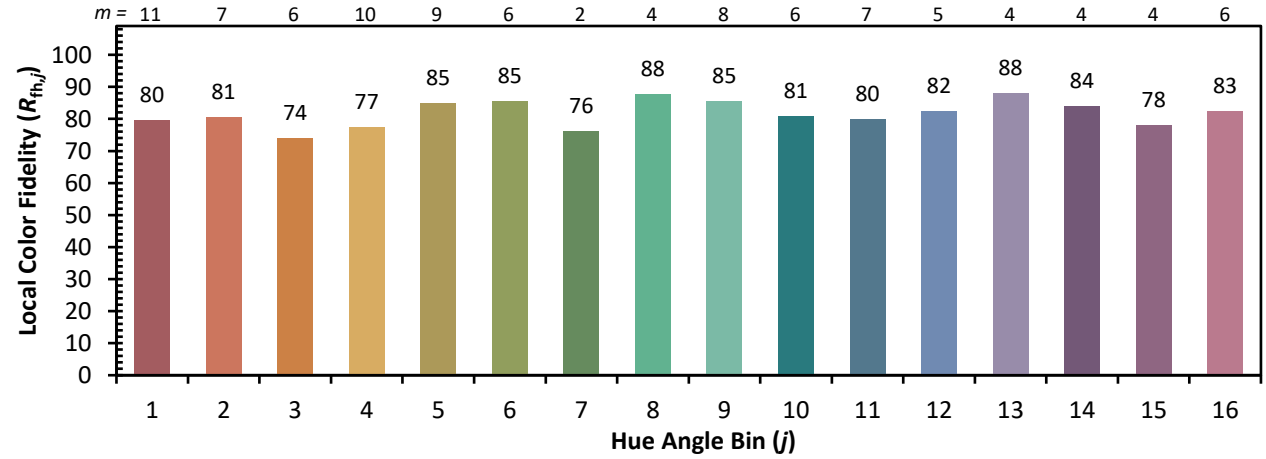
Color Rendition by Hue-Angle Bin







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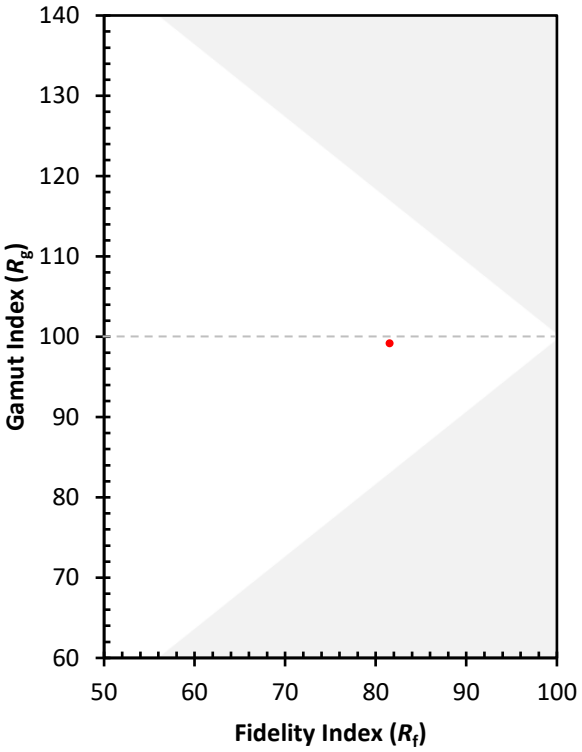
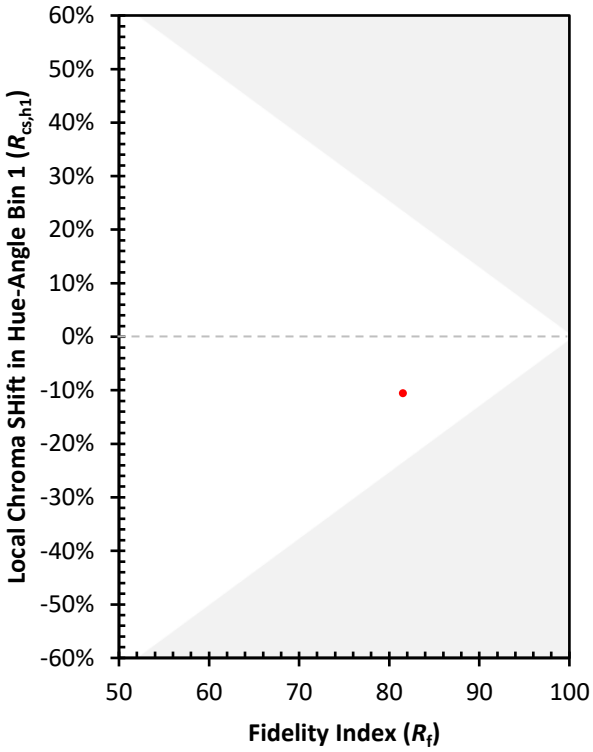
Measure Comparisons





(END OF REPORT)