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: P323379

Luminaire Tested: **GLEON-SA5D-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:	P323379
	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-SA5D-830-U-SL2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 1200mA 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:	25525 lumens
Efficiency:	N/A
Efficacy:	79.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

Input Watts (W):	320
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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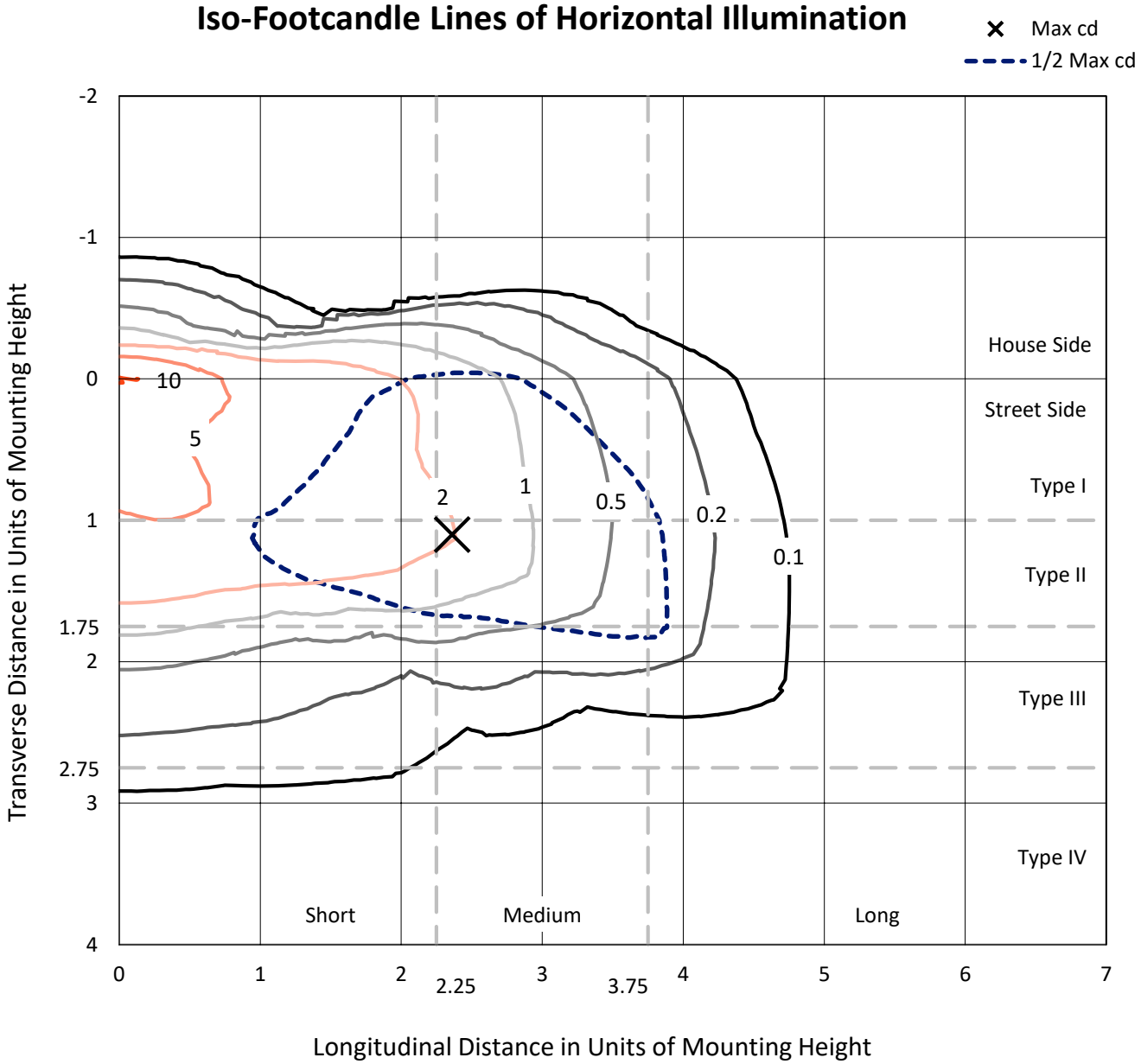
Scaled Data Report

REPORT NUMBER: P323379
CATALOG NUMBER: GLEON-SA5D-830-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
Type III - Medium - N/A

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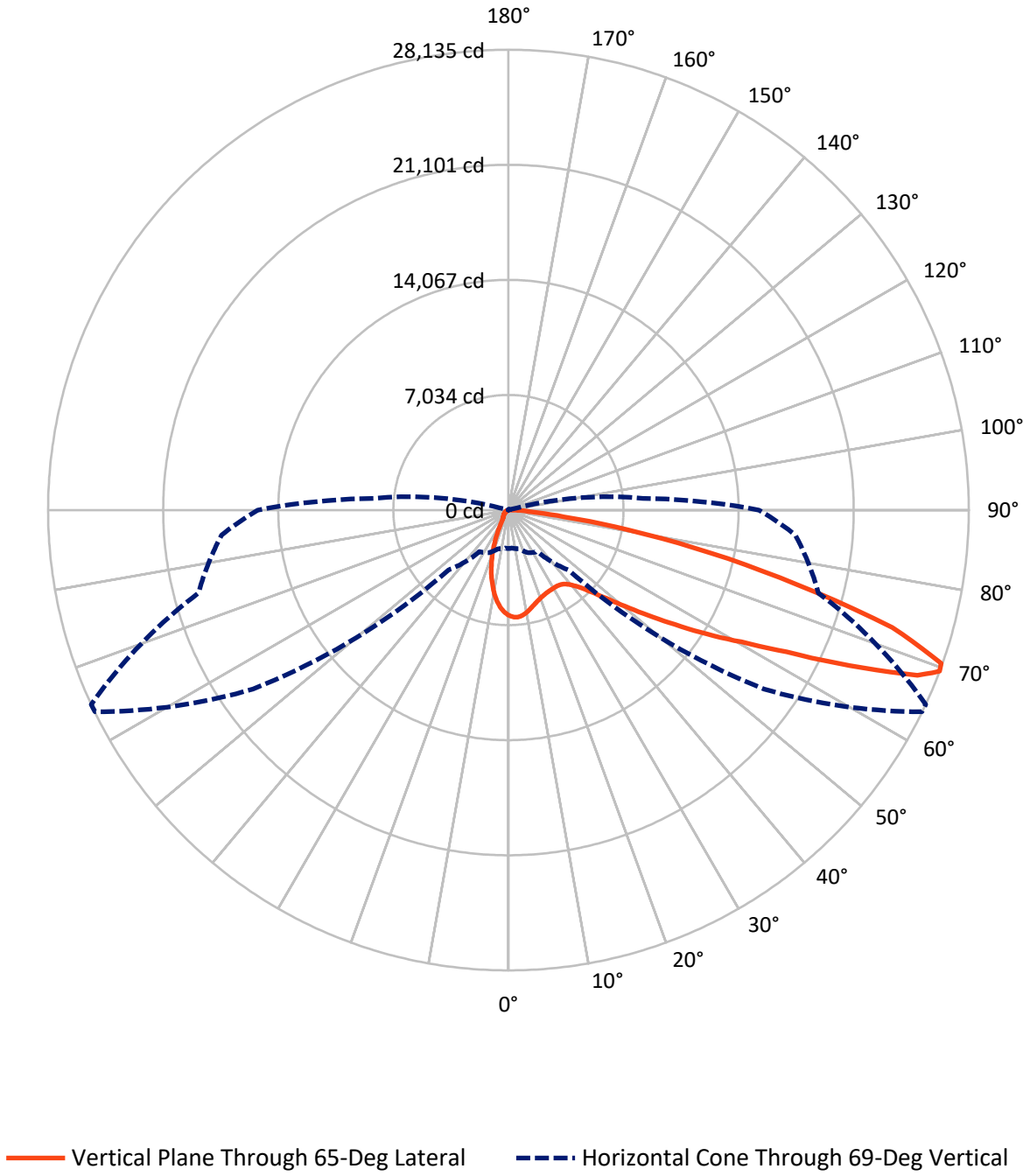
Luminous Intensity Polar Plot



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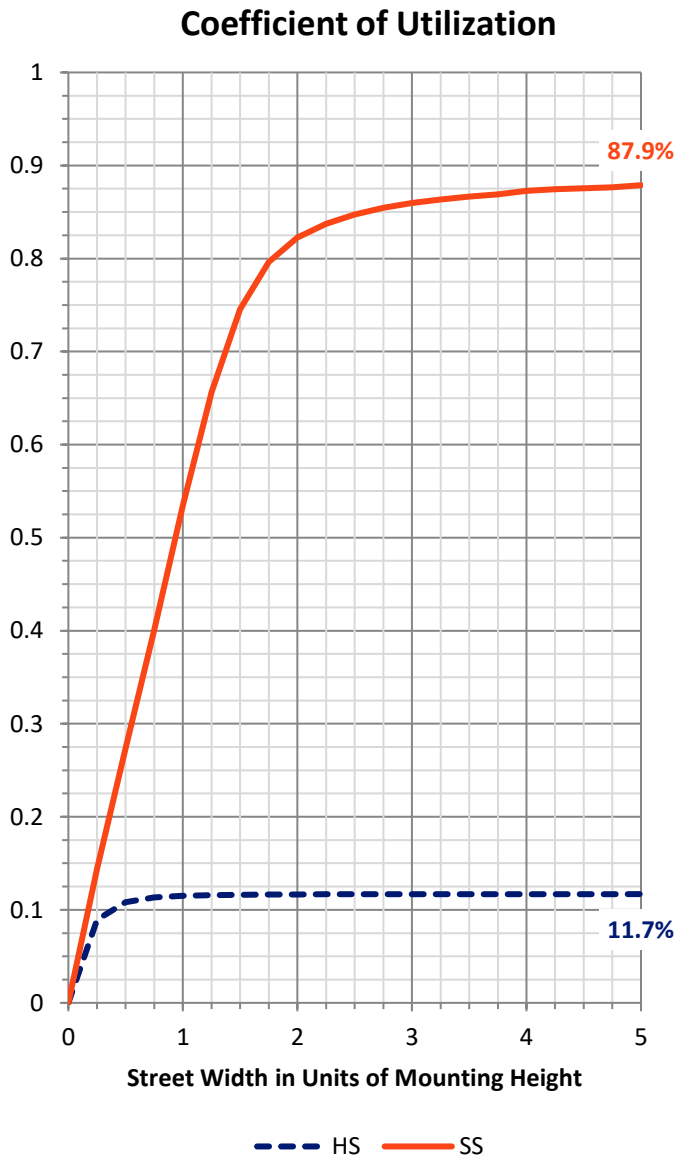
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3008.8	0.0	3008.8
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	22516.2	0.0	22516.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	25525.0	0.0	25525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.4	2.1
10°-20°	1180.7	4.6
20°-30°	1635.3	6.4
30°-40°	2280.2	8.9
40°-50°	3544.1	13.9
50°-60°	5689.7	22.3
60°-70°	6436.0	25.2
70°-80°	3779.9	14.8
80°-90°	439.7	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°	25525.0	100.0
0°-180°	25525.0	100.0



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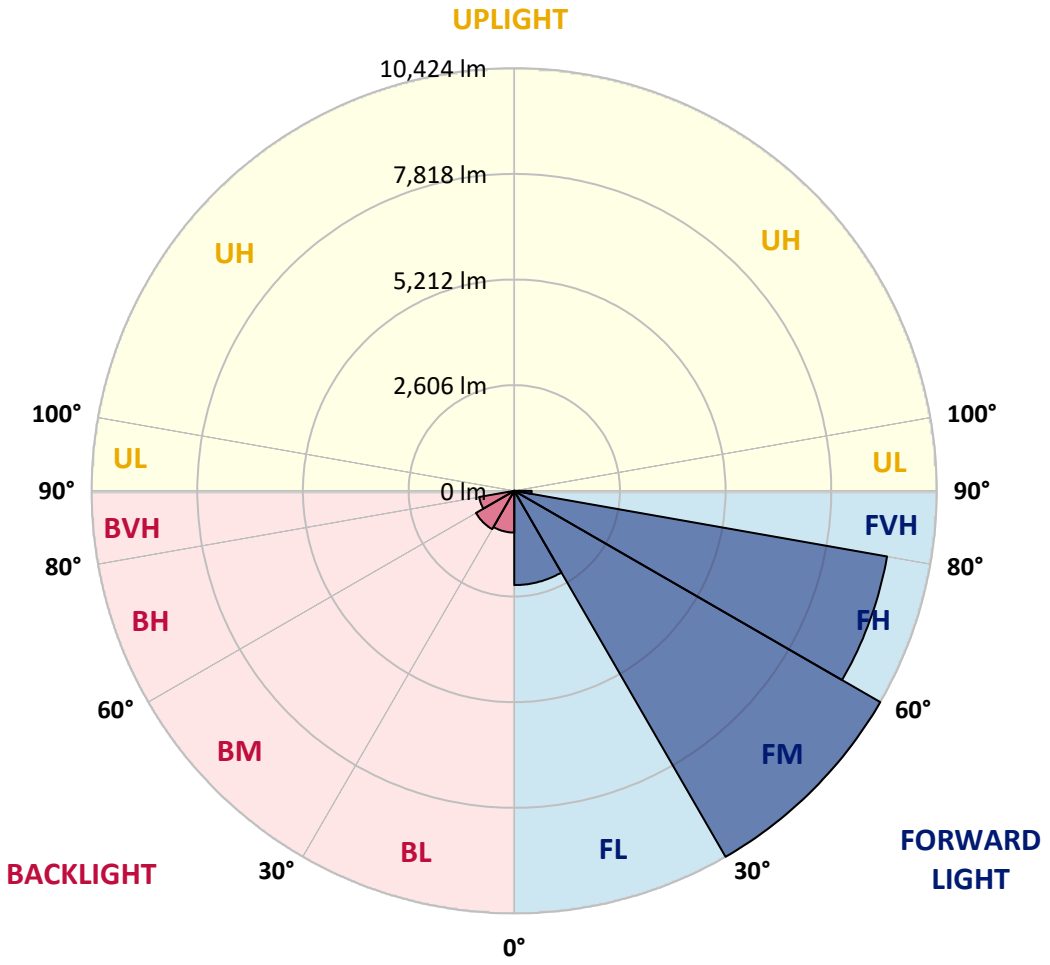
REPORT NUMBER: P323379
CATALOG NUMBER: GLEON-SA5D-830-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2325.9	9.1			
FM	(30°-60°)	10423.7	40.8			
FH	(60°-80°)	9336.8	36.6			G4/12000
FVH	(80°-90°)	429.8	1.7			G3/500
BL	(0°-30°)	1029.5	4.0	B3/2500		
BM	(30°-60°)	1090.3	4.3	B2/2500		
BH	(60°-80°)	879.1	3.4	B2/1000		G2/1000
BVH	(80°-90°)	9.9	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-G4
Type III Medium



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Scaled Data Report

REPORT NUMBER: P323379
CATALOG NUMBER: GLEON-SA5D-830-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2
2.5°	6507.5	6491.3	6504.2	6532.3	6546.3	6546.3	6557.1	6544.2	6548.5	6517.2	6471.8
5°	6100.3	6075.4	6111.1	6189.9	6287.1	6370.3	6493.4	6558.2	6564.7	6565.8	6512.9
7.5°	5661.8	5639.1	5692.0	5784.9	5910.2	6064.6	6279.6	6467.5	6478.3	6579.8	6540.9
10°	5305.3	5289.1	5350.7	5450.1	5597.0	5769.8	6033.3	6294.7	6326.0	6550.7	6536.6
12.5°	5022.4	5009.4	5067.7	5182.2	5332.3	5523.5	5798.9	6102.4	6144.6	6484.8	6515.0
15°	4816.1	4813.9	4862.5	4972.7	5139.0	5317.2	5599.1	5924.2	5972.8	6413.5	6511.8
17.5°	4708.1	4711.3	4746.9	4840.9	4983.5	5160.6	5430.6	5774.1	5827.0	6349.8	6528.0
20°	4697.2	4700.5	4719.9	4772.9	4888.4	5045.0	5293.5	5647.7	5702.8	6302.2	6553.9
22.5°	4792.3	4790.1	4795.5	4790.1	4854.9	4973.7	5202.7	5550.5	5614.2	6270.9	6574.4
25°	4974.8	4971.6	4969.4	4929.5	4886.3	4950.0	5164.9	5495.4	5555.9	6248.2	6586.3
27.5°	5228.6	5226.5	5223.2	5157.4	5027.8	4987.8	5169.2	5474.9	5525.7	6229.9	6584.1
30°	5562.4	5577.5	5573.2	5481.4	5279.4	5103.4	5214.6	5464.1	5508.4	6194.2	6561.5
32.5°	5954.5	5984.7	6008.5	5910.2	5657.4	5332.3	5319.4	5476.0	5508.4	6167.2	6520.4
35°	6361.6	6400.5	6488.0	6453.5	6120.8	5676.9	5499.7	5547.3	5574.3	6182.4	6501.0
37.5°	6762.4	6808.8	6998.9	7099.3	6727.8	6132.7	5780.6	5723.3	5737.4	6274.2	6522.6
40°	7227.9	7298.1	7586.5	7748.5	7452.5	6742.9	6200.7	6025.7	6031.1	6476.1	6623.0
42.5°	7839.2	7911.6	8223.7	8477.5	8269.1	7514.1	6771.0	6488.0	6482.6	6854.2	6859.6
45°	8584.4	8660.0	8983.0	9264.9	9170.9	8427.8	7501.1	7163.1	7156.6	7450.4	7307.8
47.5°	9429.1	9503.6	9792.0	10082.5	10184.0	9494.9	8431.1	8084.4	8069.2	8278.8	8000.1
50°	10153.8	10202.4	10468.1	10859.1	11317.0	10806.2	9587.8	9254.1	9237.9	9379.4	9016.5
52.5°	10417.3	10445.4	10715.4	11263.0	12405.7	12581.8	11107.5	10677.6	10665.7	10727.3	10369.8
55°	9883.8	9934.5	10266.1	11078.3	12995.5	14588.6	13025.7	12440.3	12350.7	12217.8	11784.7
57.5°	8430.0	8511.0	8867.4	9947.5	12720.1	16180.6	15844.7	14434.1	14302.4	13490.1	12935.0
60°	6316.3	6415.6	6711.6	7877.0	11250.1	16747.7	18925.1	16655.8	16358.8	14503.3	13992.4
62.5°	4334.3	4384.0	4584.9	5344.2	8285.3	15818.8	21502.1	19631.5	19089.3	15604.9	15136.2
65°	3310.4	3327.7	3409.8	3671.2	4933.8	12849.7	22527.1	23557.5	22901.9	16922.6	16323.2
67.5°	2667.8	2653.7	2767.2	3140.9	3304.0	7839.2	21331.5	27271.9	26965.2	18684.2	17517.7
69°	2352.4	2333.0	2448.5	2882.7	3103.1	5182.2	19069.8	28115.5	28134.9	19614.2	17599.8
70°	2116.9	2129.9	2244.4	2729.4	3035.0	4067.6	16909.7	27900.5	28053.9	19962.0	17107.3
72.5°	1413.8	1448.4	1678.4	2266.0	2918.4	3078.2	10210.0	23942.0	24531.8	19178.9	14677.1
75°	797.1	823.0	1096.3	1708.7	2749.9	2931.3	5392.8	17638.7	18209.0	16038.0	11318.1
77.5°	391.0	405.0	620.0	1102.8	2299.5	2793.1	3058.8	11981.3	12632.6	10468.1	6401.6
80°	165.3	172.8	310.0	680.4	1643.9	2665.6	2271.4	7373.7	7454.7	4101.0	1705.4
82.5°	63.7	65.9	130.7	424.5	1044.4	2078.1	1899.9	3496.2	3412.0	772.3	388.8
85°	7.6	8.6	47.5	254.9	581.1	1069.3	1543.4	1506.7	1394.4	153.4	199.8
87.5°	0.0	0.0	3.2	77.8	172.8	501.2	802.5	625.4	563.8	49.7	103.7
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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Scaled Data Report

REPORT NUMBER: P323379
CATALOG NUMBER: GLEON-SA5D-830-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2
2.5°	6434.0	6423.2	6364.9	6280.6	6200.7	6101.3	6006.3	5949.1	5903.7	5873.5	5909.1
5°	6451.3	6403.8	6226.6	5999.8	5777.3	5526.7	5293.5	5095.8	5018.0	4931.6	4970.5
7.5°	6445.9	6356.2	6037.6	5633.7	5225.4	4803.1	4403.5	4095.6	3935.8	3779.2	3819.1
10°	6418.9	6267.7	5784.9	5186.5	4575.2	3968.2	3401.2	2970.2	2729.4	2511.2	2542.5
12.5°	6359.5	6148.9	5486.8	4674.6	3857.0	3056.6	2392.4	1840.4	1544.5	1413.8	1430.0
15°	6323.8	6033.3	5171.4	4156.1	3090.1	2128.8	1462.4	1087.6	952.6	909.4	914.8
17.5°	6306.6	5922.1	4845.2	3563.2	2306.0	1355.5	945.1	833.8	804.7	797.1	799.3
20°	6289.3	5809.7	4509.3	2976.7	1588.8	911.6	776.6	744.2	733.4	723.7	725.8
22.5°	6260.1	5701.7	4148.6	2382.6	1071.4	739.9	699.9	668.6	645.9	634.0	636.2
25°	6224.5	5588.3	3780.3	1774.6	782.0	659.9	622.1	577.8	550.8	529.2	530.3
27.5°	6167.2	5449.0	3400.1	1291.8	656.7	590.8	540.0	491.4	446.1	421.2	421.2
30°	6087.3	5291.3	2977.8	924.5	588.6	522.8	461.2	400.7	352.1	329.4	327.3
32.5°	5998.7	5127.1	2551.1	701.0	534.6	459.0	388.8	325.1	281.9	263.5	262.5
35°	5923.1	4950.0	2125.6	587.6	480.6	397.5	320.8	266.8	232.2	217.1	216.0
37.5°	5874.5	4772.9	1710.8	524.9	432.0	340.2	268.9	220.3	195.5	183.6	182.5
40°	5867.0	4641.1	1331.7	477.4	386.7	289.5	224.7	186.9	164.2	151.2	150.1
42.5°	5965.3	4565.5	1021.8	437.4	340.2	245.2	191.2	159.9	136.1	123.1	122.0
45°	6223.4	4589.2	786.3	401.8	293.8	207.4	162.0	132.8	111.2	101.5	99.4
47.5°	6694.3	4753.4	625.4	366.1	249.5	176.1	138.2	110.2	91.8	82.1	81.0
50°	7532.4	5139.0	522.8	327.3	208.5	150.1	114.5	89.6	74.5	65.9	64.8
52.5°	8644.9	5825.9	466.6	289.5	172.8	127.4	94.0	71.3	58.3	51.8	50.8
55°	9871.9	6657.6	429.9	248.4	141.5	105.8	74.5	56.2	45.4	40.0	37.8
57.5°	11069.7	7378.0	395.3	208.5	117.7	86.4	59.4	44.3	35.6	30.2	29.2
60°	12170.3	8040.1	355.3	167.4	96.1	68.0	46.4	34.6	28.1	22.7	22.7
62.5°	13348.7	8552.0	300.3	130.7	78.8	51.8	37.8	31.3	22.7	19.4	18.4
65°	14597.2	8932.2	235.5	101.5	61.6	38.9	31.3	32.4	18.4	14.0	13.0
67.5°	15519.6	8856.6	173.9	79.9	47.5	30.2	30.2	34.6	16.2	10.8	9.7
69°	*15316.6*	*8242.1*	*145.8*	*69.1*	*41.0*	*25.9*	*28.1*	*34.6*	*15.1*	*9.7*	*8.6*
70°	14727.9	7561.6	128.5	61.6	36.7	23.8	27.0	33.5	14.0	9.7	8.6
72.5°	12265.3	5695.2	100.4	46.4	29.2	19.4	22.7	29.2	14.0	9.7	7.6
75°	9226.0	3645.3	76.7	33.5	21.6	15.1	17.3	21.6	14.0	8.6	7.6
77.5°	5020.2	1314.5	55.1	22.7	15.1	11.9	11.9	16.2	13.0	6.5	4.3
80°	1290.7	330.5	34.6	15.1	11.9	8.6	7.6	10.8	7.6	1.1	0.0
82.5°	318.6	74.5	18.4	10.8	8.6	3.2	3.2	5.4	3.2	0.0	0.0
85°	175.0	36.7	11.9	7.6	4.3	0.0	0.0	1.1	0.0	0.0	0.0
87.5°	89.6	10.8	3.2	2.2	1.1	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

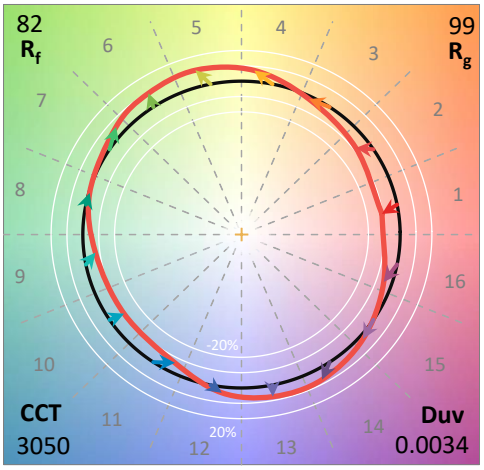
Test Information

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

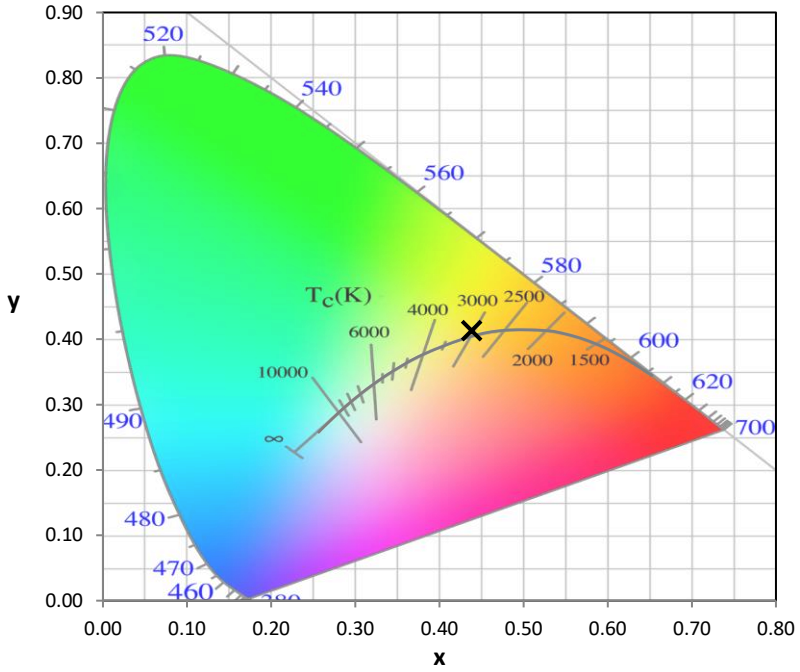
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

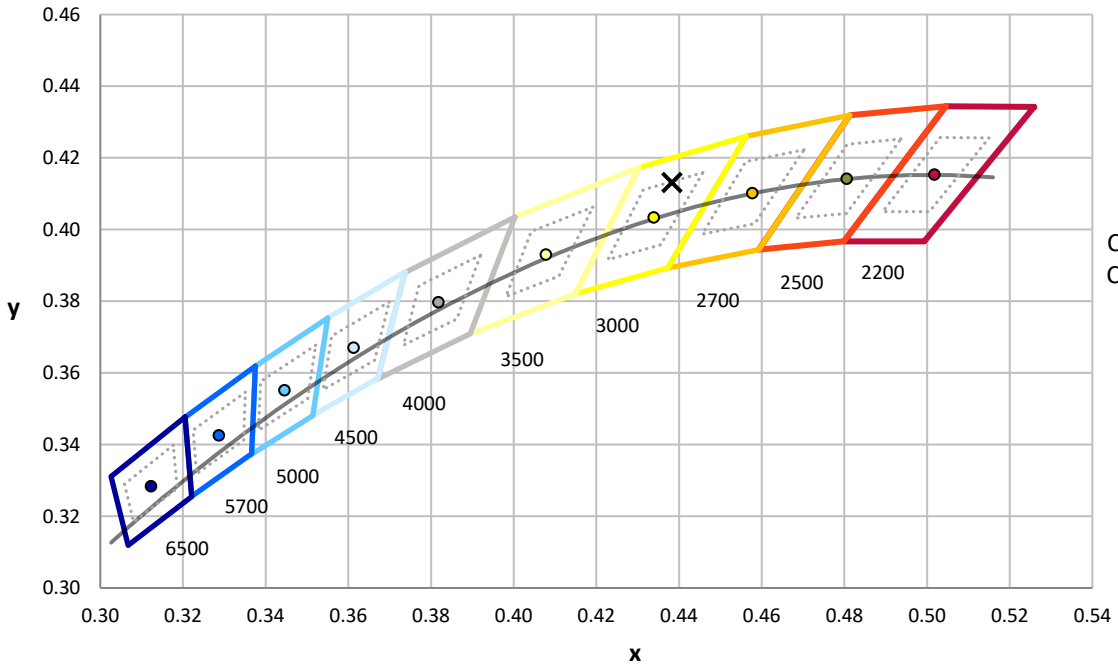
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

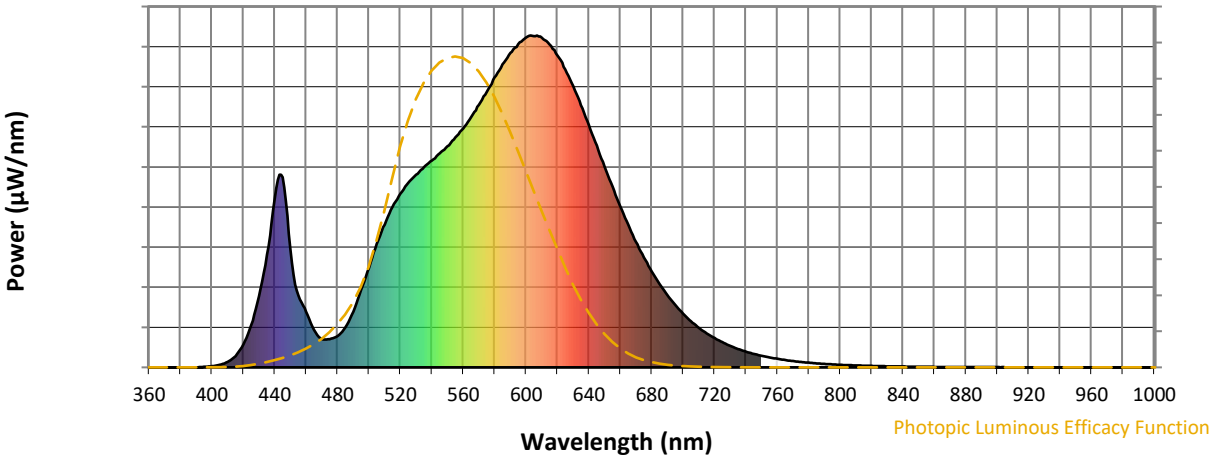


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

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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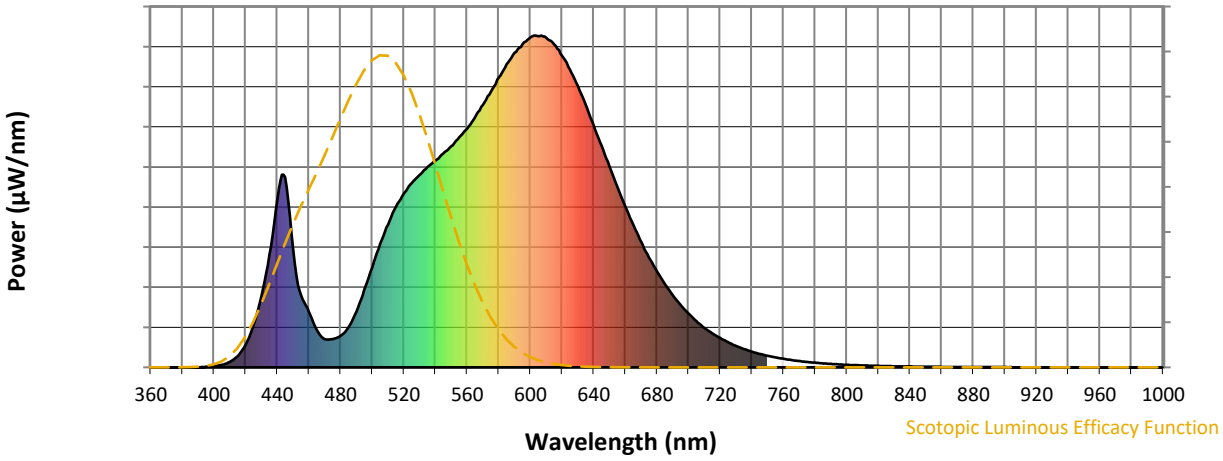
Scotopic Flux vs. Wavelength



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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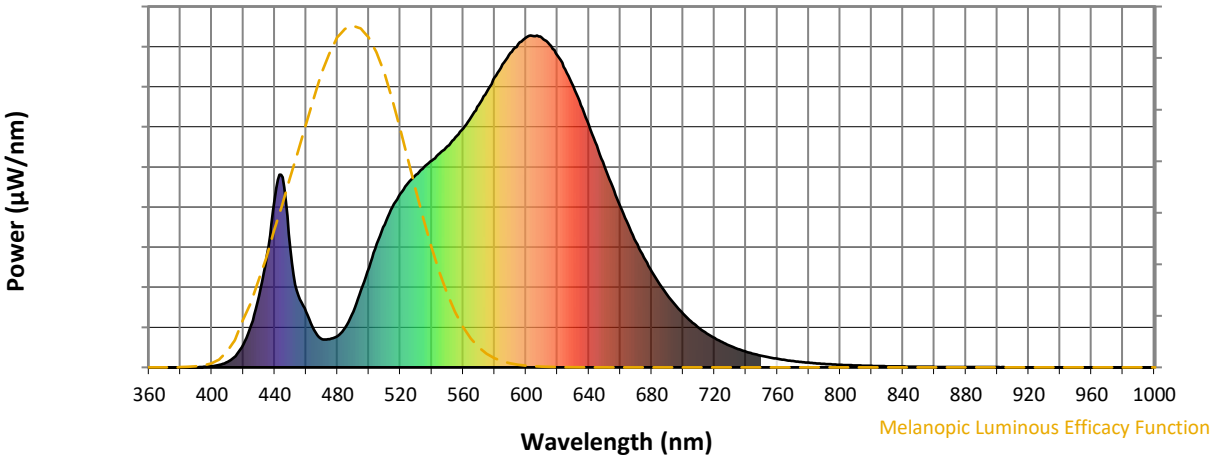
Melanopic Flux vs. Wavelength



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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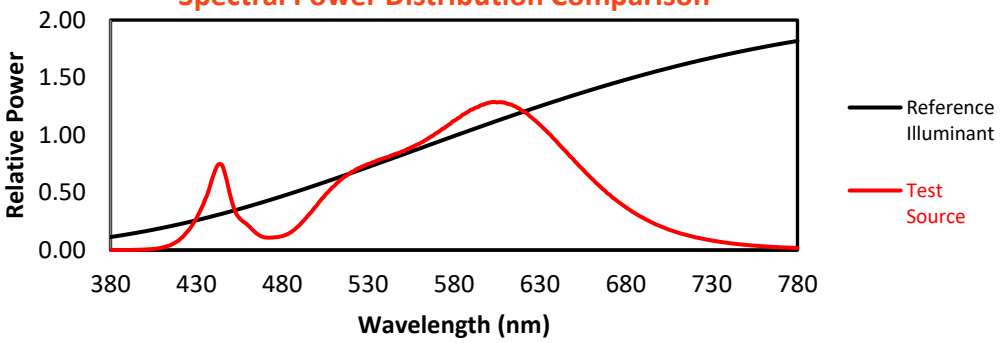
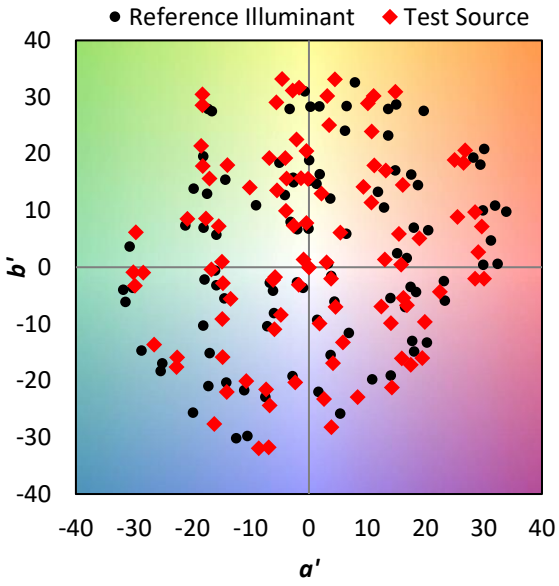
Summary

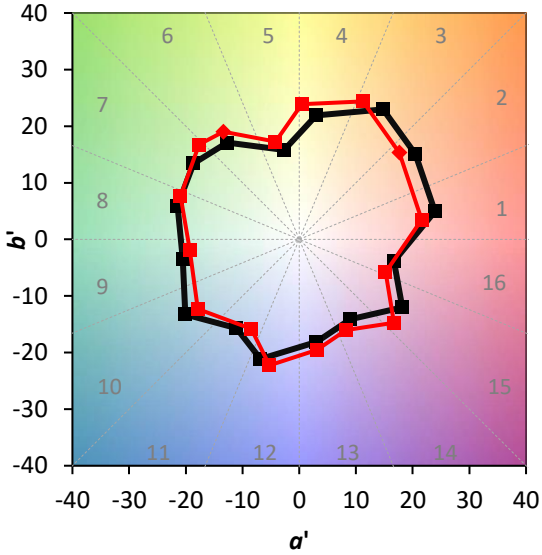
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

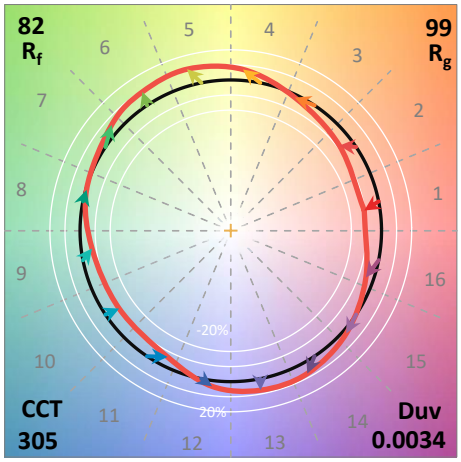
Spectral Power Distribution Comparison

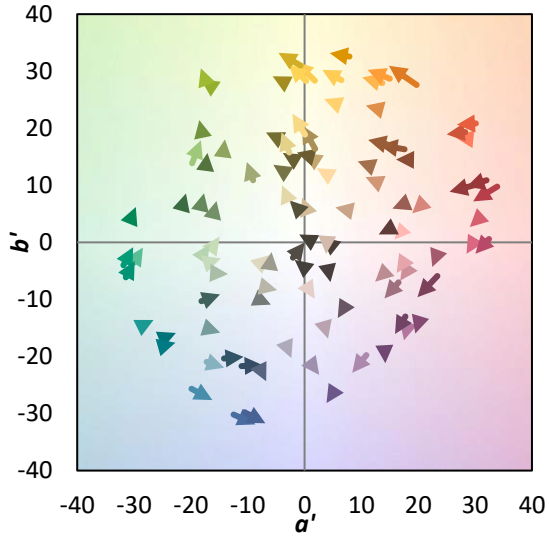


Color Vector Graphics









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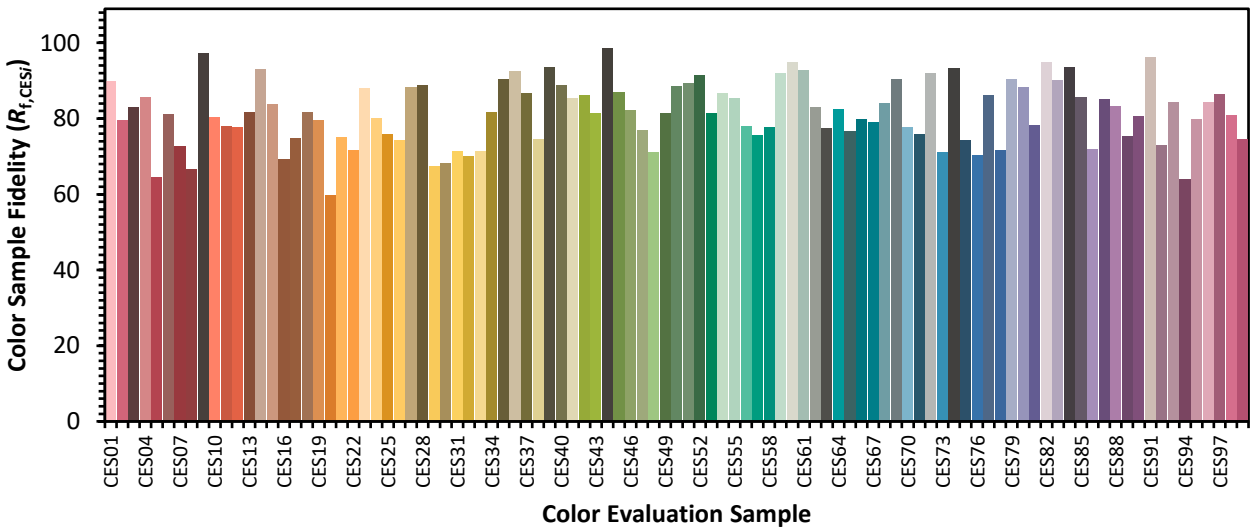
Individual Sample Fidelity Index ($R_{f,i}$)

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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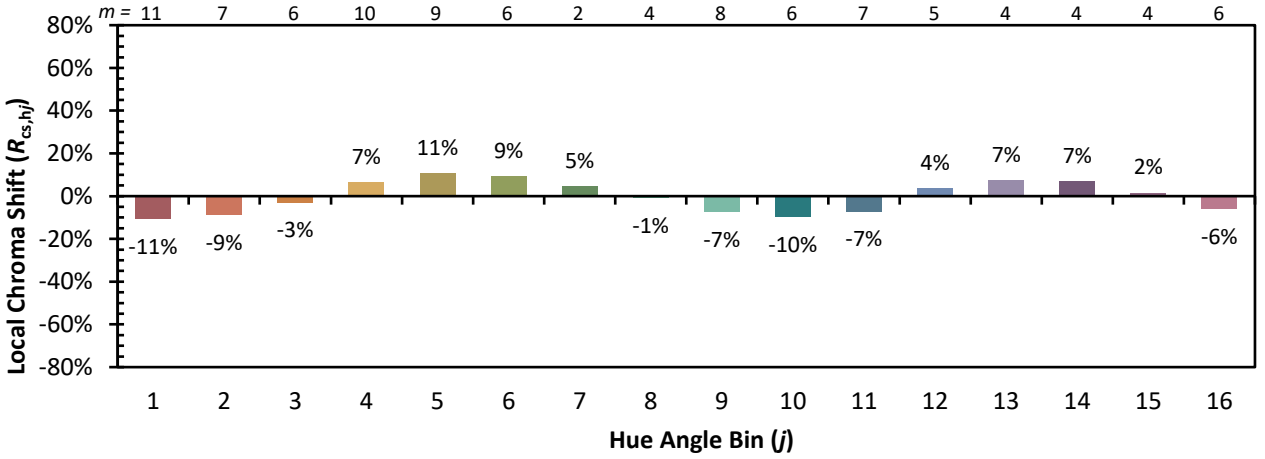
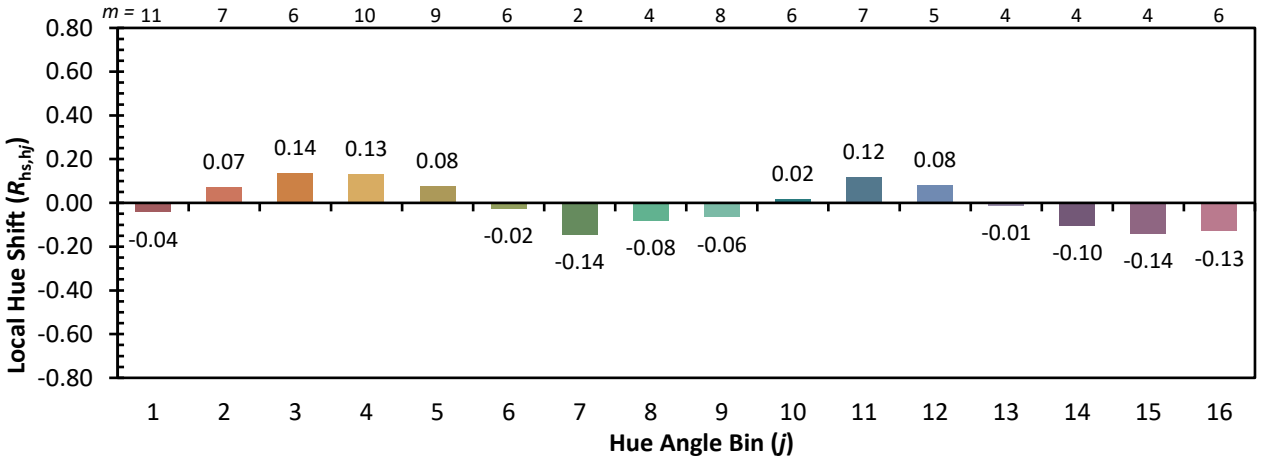
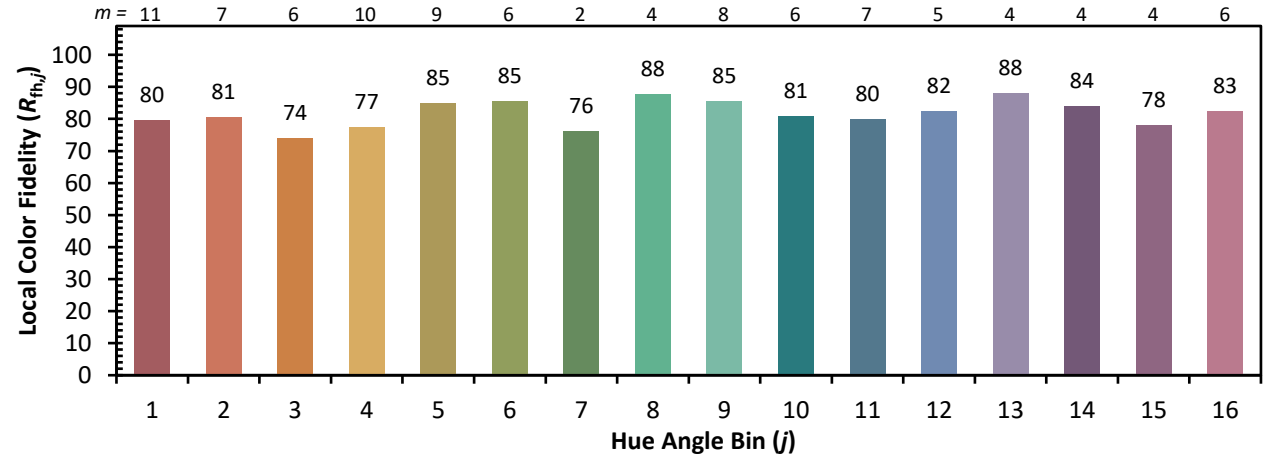
Color Rendition by Hue-Angle Bin







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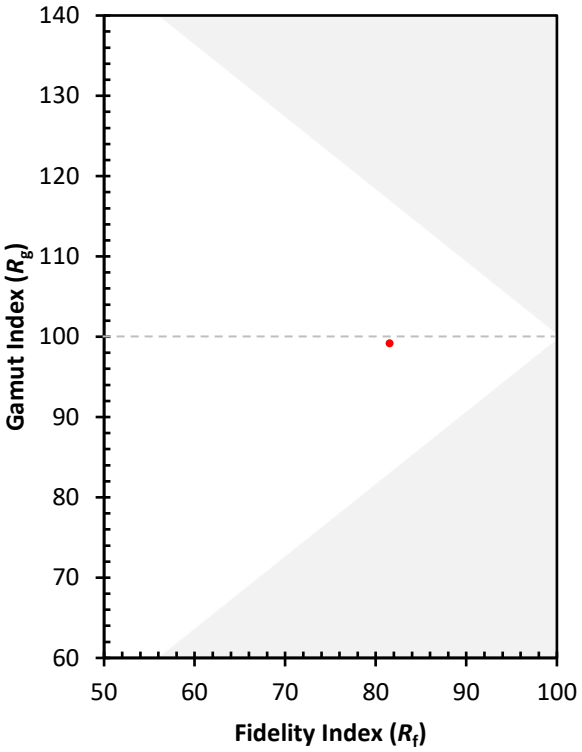
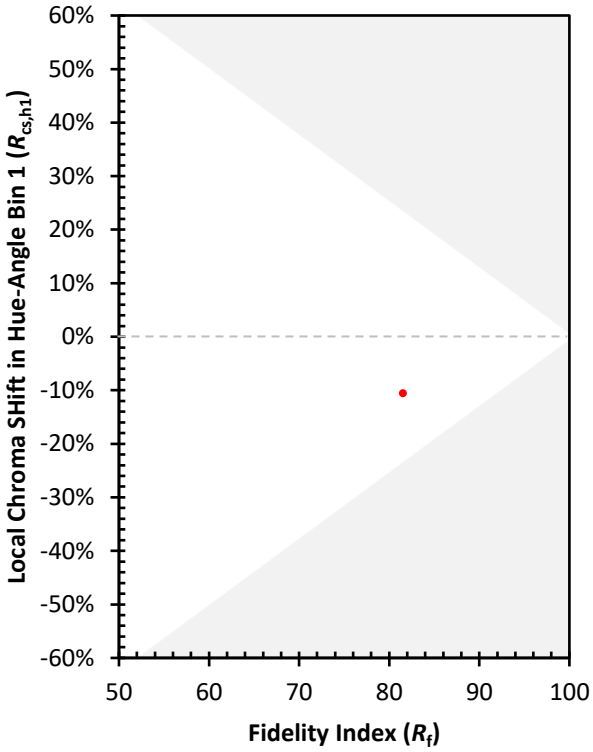
Measure Comparisons





(END OF REPORT)