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: P319540

Luminaire Tested: **GLEON-SA6D-830-U-SL2**

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:	P319540
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA6D-830-U-SL2
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	36126 lumens
Efficiency:	N/A
Efficacy:	94.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	382
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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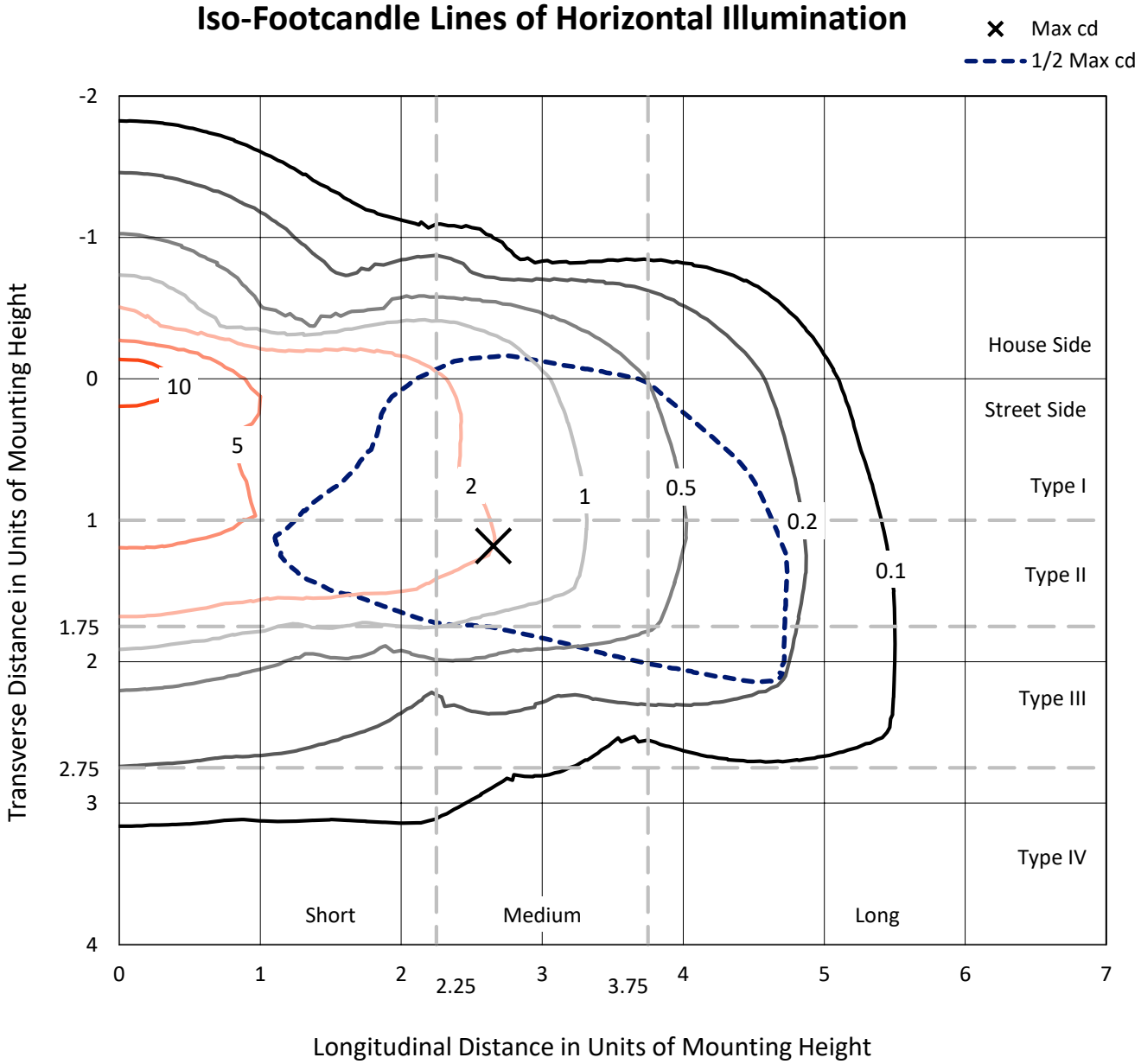
REPORT NUMBER: P319540
CATALOG NUMBER: GLEON-SA6D-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
Type III - Medium - N/A

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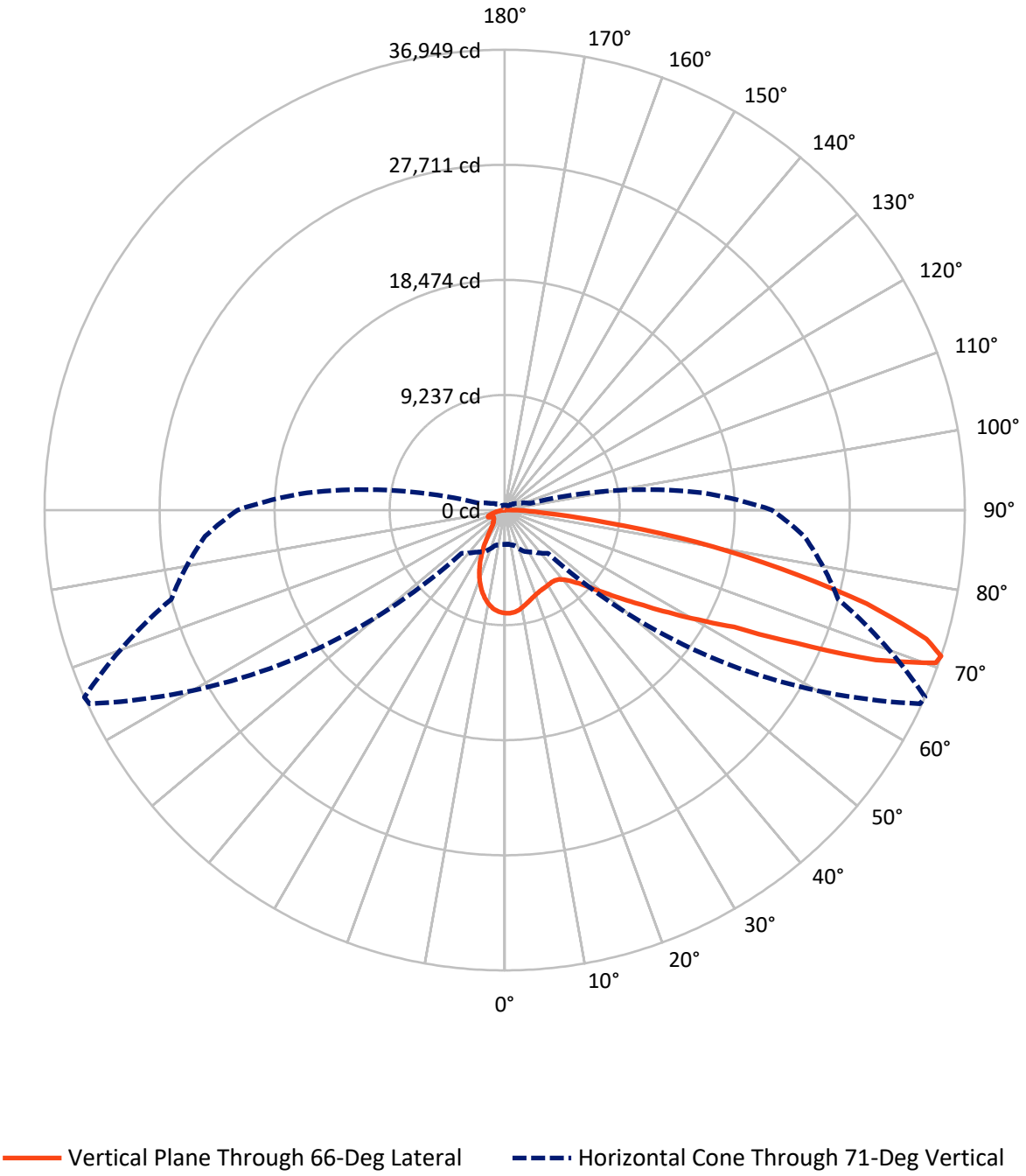
Luminous Intensity Polar Plot



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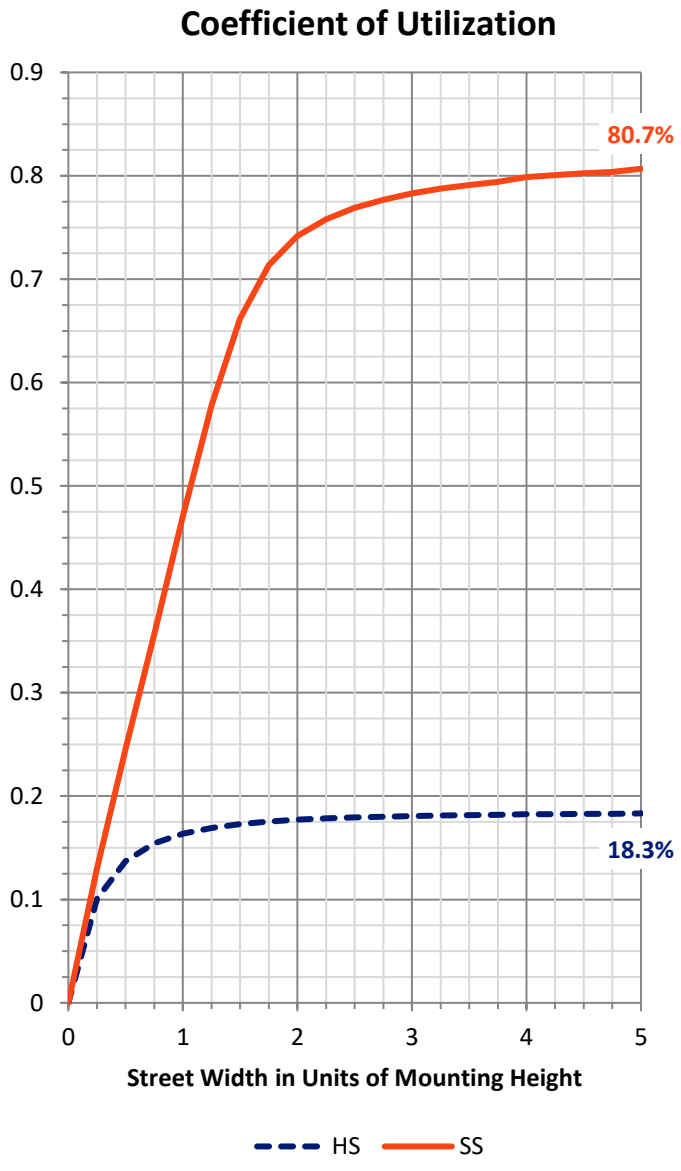
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6695.1	0.0	6695.1
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	29430.9	0.0	29430.9
	% Fixture	81.5	0.0	81.5
Total	Lumens	36126.0	0.0	36126.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	728.5	2.0
10°-20°	1747.2	4.8
20°-30°	2346.9	6.5
30°-40°	3087.3	8.5
40°-50°	4491.2	12.4
50°-60°	7015.7	19.4
60°-70°	8788.4	24.3
70°-80°	6703.6	18.6
80°-90°	1217.3	3.4
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°	36126.0	100.0
0°-180°	36126.0	100.0



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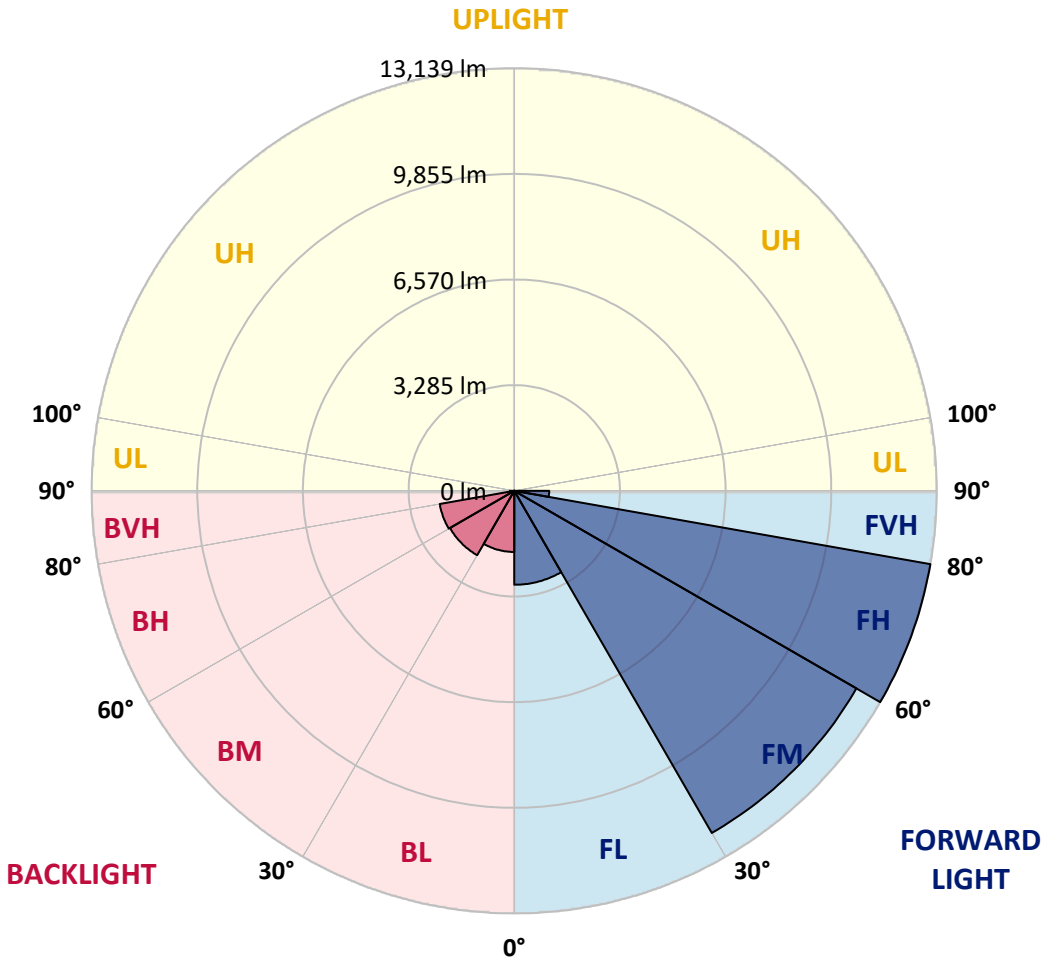
REPORT NUMBER: P319540
CATALOG NUMBER: GLEON-SA6D-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2921.3	8.1			
FM	(30°-60°)	12284.6	34.0			
FH	(60°-80°)	13139.4	36.4			G5
FVH	(80°-90°)	1085.5	3.0			G5
BL	(0°-30°)	1901.2	5.3	B3/2500		
BM	(30°-60°)	2309.6	6.4	B2/2500		
BH	(60°-80°)	2352.5	6.5	B3/2500		G3/2500
BVH	(80°-90°)	131.8	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type III Medium



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Scaled Data Report

REPORT NUMBER: P319540
CATALOG NUMBER: GLEON-SA6D-830-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	8275.8	8275.8	8275.8	8275.8	8275.8	8275.8	8275.8	8275.8	*8275.8*	8275.8	8275.8
2.5°	8122.4	8109.9	8147.3	8186.0	8200.9	8225.9	8263.3	8284.5	*8283.3*	8287.0	8274.5
5°	7583.5	7567.3	7642.1	7703.3	7820.5	7952.7	8113.6	8228.4	*8230.9*	8295.7	8313.2
7.5°	7073.4	7062.2	7148.2	7246.8	7382.7	7584.8	7845.5	8092.4	*8107.4*	8283.3	8344.4
10°	6664.3	6661.8	6745.3	6852.6	7011.0	7236.8	7536.1	7897.8	*7920.3*	8223.4	8349.4
12.5°	6345.0	6350.0	6422.3	6544.5	6711.7	6947.4	7271.7	7679.6	*7715.7*	8128.6	8320.7
15°	6109.2	6129.2	6187.8	6311.3	6475.9	6715.4	7048.4	7477.5	*7532.4*	8022.6	8304.5
17.5°	5974.5	5997.0	6038.1	6140.4	6295.1	6525.8	6841.4	7311.6	*7361.5*	7941.5	8305.7
20°	5934.6	5953.3	5977.0	6039.4	6170.3	6379.9	6678.0	7161.9	*7215.6*	7876.6	8318.2
22.5°	6013.2	6026.9	6029.4	6024.4	6104.2	6275.1	6559.5	7052.2	*7109.6*	7834.2	8326.9
25°	6181.6	6200.3	6186.6	6140.4	6114.2	6219.0	6498.4	6979.8	*7037.2*	7803.0	8309.4
27.5°	6434.8	6437.3	6426.0	6366.2	6242.7	6225.2	6479.7	6937.4	*6992.3*	7766.9	8273.3
30°	6779.0	6795.2	6775.3	6694.2	6492.1	6325.0	6502.1	6896.3	*6946.2*	7720.7	8214.7
32.5°	7181.9	7221.8	7220.6	7135.7	6846.4	6548.3	6594.4	6871.3	*6910.0*	7672.1	8143.6
35°	7599.7	7654.6	7756.9	7720.7	7362.8	6901.3	6771.5	6911.2	*6937.4*	7665.8	8093.7
37.5°	8033.8	8088.7	8299.5	8396.8	7977.7	7406.4	7050.9	7052.2	*7064.6*	7741.9	8089.9
40°	8487.8	8546.4	8863.2	9116.4	8774.7	8046.3	7501.2	7346.5	*7332.8*	7929.0	8163.5
42.5°	9123.9	9176.3	9556.7	9879.8	9659.0	8865.7	8123.6	7800.5	*7771.9*	8295.7	8399.2
45°	9928.4	9973.3	10377.5	10722.9	10609.4	9801.2	8905.6	8425.4	*8420.5*	8906.9	8877.0
47.5°	10885.1	10920.0	11283.0	11617.3	11658.4	10877.6	9888.5	9389.6	*9308.5*	9745.1	9616.6
50°	11881.7	11920.3	12167.3	12526.5	12832.1	12318.2	11153.3	10570.8	*10462.3*	10851.4	10664.3
52.5°	12541.5	12592.6	12807.2	13262.4	14151.7	13897.3	12648.8	12002.7	*11838.0*	12192.3	12048.8
55°	12247.1	12361.9	12689.9	13419.6	15207.0	16309.6	14493.5	13672.8	*13486.9*	13781.3	13696.5
57.5°	10908.8	11066.0	11513.7	12640.0	15355.4	18434.9	17282.4	15639.8	*15508.8*	15424.0	15462.7
60°	8462.9	8613.8	9168.8	10636.9	14321.4	19986.6	21479.6	18064.5	*17874.9*	17072.9	17107.8
62.5°	5989.5	5913.4	6293.8	7367.7	11637.2	20168.7	26255.4	21307.5	*20683.8*	18814.1	18660.7
65°	4567.6	4550.1	4721.0	5062.7	7048.4	17989.7	29100.5	26758.1	*25784.0*	20862.2	20500.5
67.5°	3753.1	3721.9	3890.3	4388.0	4538.9	11606.0	29162.9	33081.9	*32125.2*	23411.6	22628.3
70°	3085.8	3050.9	3208.0	3850.4	4194.6	5886.0	24544.2	36785.1	*36733.9*	26639.6	24234.8
71°	*2766.5*	*2741.5*	*2929.9*	*3643.3*	*4121.0*	*4905.6*	*21191.5*	*36795.0*	*36948.5*	*27732.2*	*24140.0*
72.5°	2252.6	2261.3	2460.9	3243.0	4066.2	4331.8	15574.9	35080.0	*35404.3*	28773.7	23278.2
75°	1496.7	1504.2	1766.2	2494.6	3942.7	4238.3	8560.1	29436.0	*30032.2*	28150.1	21241.3
77.5°	1005.3	1002.8	1181.2	1711.3	3435.0	4238.3	5019.1	22015.9	*22670.7*	22398.8	16375.7
80°	692.2	687.3	813.2	1181.2	2600.6	4289.4	3880.3	15429.0	*15627.3*	12096.2	6655.5
82.5°	424.1	427.8	531.3	834.4	1769.9	3860.4	3663.3	8413.0	*8197.2*	3392.6	1662.6
85°	243.2	242.0	339.3	565.0	1136.3	3257.9	3572.2	3620.9	*3321.5*	1021.5	601.2
87.5°	87.3	93.5	182.1	313.1	651.1	2268.8	3030.9	1883.4	*1697.6*	461.5	271.9
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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Scaled Data Report

REPORT NUMBER: P319540
CATALOG NUMBER: GLEON-SA6D-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8275.8	8275.8	8275.8	8275.8	8275.8	8275.8	8275.8	8275.8	8275.8	8275.8	8275.8
2.5°	8265.8	8273.3	8264.5	8214.7	8172.2	8103.6	8065.0	8011.3	7995.1	7987.6	8007.6
5°	8297.0	8299.5	8225.9	8094.9	7947.7	7774.4	7649.6	7496.2	7423.9	7392.7	7412.6
7.5°	8325.7	8314.4	8153.5	7902.8	7630.9	7329.1	7060.9	6815.2	6671.8	6613.1	6618.1
10°	8329.4	8282.0	8023.8	7635.9	7214.3	6771.5	6359.9	5980.8	5741.3	5585.4	5632.8
12.5°	8290.7	8210.9	7833.0	7290.4	6705.4	6101.7	5545.5	4976.7	4634.9	4476.5	4481.5
15°	8260.8	8116.1	7598.5	6883.8	6098.0	5298.5	4538.9	3870.3	3506.1	3344.0	3267.9
17.5°	8235.9	8013.8	7326.6	6426.0	5380.8	4366.8	3453.7	2857.5	2658.0	2610.6	2590.6
20°	8200.9	7905.3	7023.5	5895.9	4563.8	3324.0	2522.0	2227.7	2228.9	2283.8	2291.3
22.5°	8152.3	7781.8	6700.4	5301.0	3687.0	2421.0	1977.0	1892.1	1978.2	2083.0	2101.7
25°	8079.9	7635.9	6341.2	4643.7	2811.4	1861.0	1688.8	1685.1	1789.9	1899.6	1915.8
27.5°	7977.7	7445.1	5942.1	3937.7	2071.7	1581.6	1513.0	1539.2	1616.5	1696.3	1702.6
30°	7840.5	7223.1	5501.8	3193.1	1624.0	1408.2	1400.7	1424.4	1471.8	1527.9	1532.9
32.5°	7689.5	6997.3	5031.6	2472.1	1390.7	1314.6	1322.1	1333.4	1355.8	1378.3	1383.2
35°	7552.3	6766.5	4550.1	1878.4	1279.7	1253.5	1248.5	1246.0	1248.5	1241.1	1242.3
37.5°	7463.8	6575.7	4048.7	1495.5	1216.1	1199.9	1184.9	1166.2	1145.0	1132.5	1135.0
40°	7431.4	6433.5	3541.1	1292.2	1163.7	1152.5	1123.8	1083.9	1058.9	1051.5	1051.5
42.5°	7518.7	6359.9	3050.9	1189.9	1120.1	1101.4	1054.0	1007.8	989.1	987.9	986.6
45°	7785.6	6389.9	2584.4	1133.8	1080.2	1044.0	981.6	943.0	930.5	933.0	931.7
47.5°	8264.5	6578.2	2185.3	1096.4	1040.2	992.8	923.0	891.8	876.8	876.8	878.1
50°	9079.0	7018.5	1867.2	1065.2	1006.6	945.4	880.6	841.9	822.0	820.7	820.7
52.5°	10265.2	7806.8	1668.9	1039.0	969.1	903.0	838.2	789.5	765.8	760.8	758.4
55°	11752.0	8936.8	1614.0	1021.5	919.3	856.9	787.0	738.4	712.2	701.0	699.7
57.5°	13414.6	10311.3	1722.5	1000.3	868.1	802.0	730.9	684.8	657.3	643.6	642.4
60°	15097.2	11811.8	2165.3	970.4	825.7	742.1	673.5	631.1	603.7	588.7	586.2
62.5°	16782.3	13393.4	3069.6	967.9	795.8	684.8	614.9	578.7	552.5	536.3	532.6
65°	18683.2	15124.6	4097.3	1034.0	785.8	632.4	555.0	526.4	503.9	488.9	487.7
67.5°	20865.9	17079.1	3998.8	1170.0	819.5	585.0	498.9	476.5	460.2	447.8	446.5
70°	21889.9	16773.6	2485.8	1266.0	866.9	538.8	445.3	429.1	416.6	407.9	404.1
71°	*21460.9*	*15926.6*	*2084.2*	*1254.8*	*861.9*	*518.9*	*424.1*	*411.6*	*399.1*	*391.6*	*387.9*
72.5°	20290.9	14524.7	1738.7	1167.5	805.7	482.7	396.6	384.2	372.9	364.2	361.7
75°	18207.9	12971.8	1392.0	933.0	642.4	407.9	348.0	334.3	325.5	320.6	315.6
77.5°	13384.7	9257.4	1076.4	737.1	472.7	333.0	296.9	286.9	278.1	270.7	266.9
80°	5127.6	3586.0	724.7	550.1	346.7	263.2	239.5	234.5	225.8	220.8	220.8
82.5°	1380.7	1071.4	386.7	333.0	232.0	192.1	183.4	180.9	173.4	163.4	164.6
85°	558.8	472.7	217.0	183.4	142.2	113.5	123.5	124.7	116.0	103.5	104.8
87.5°	245.7	200.8	121.0	81.1	62.4	43.7	56.1	56.1	51.1	42.4	38.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

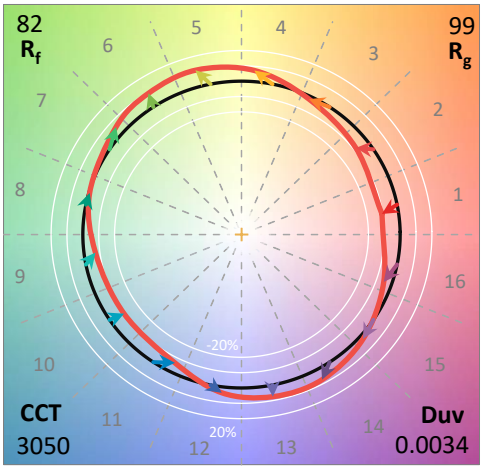
Test Information

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

Spectral Parameters

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

Rf:	81.5
Rg:	99.2



Test Conditions

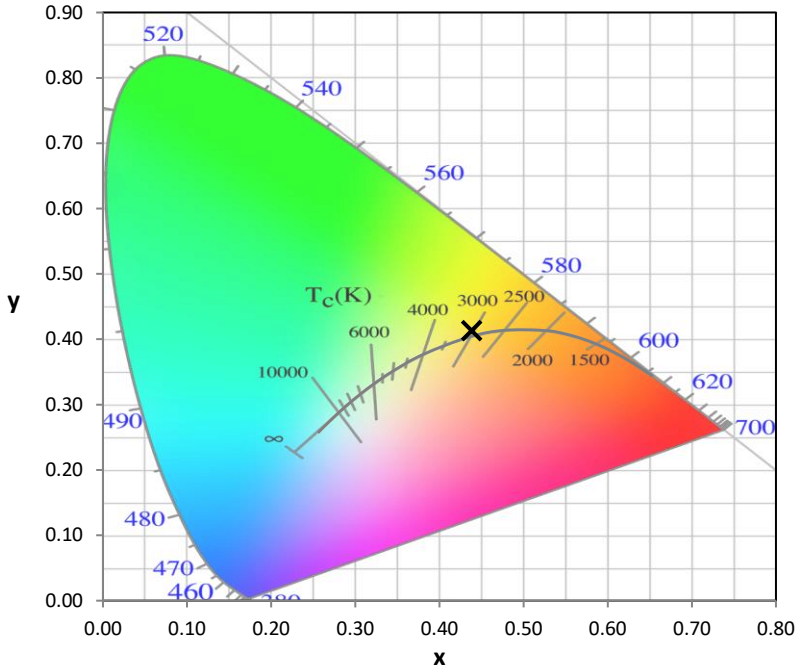
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

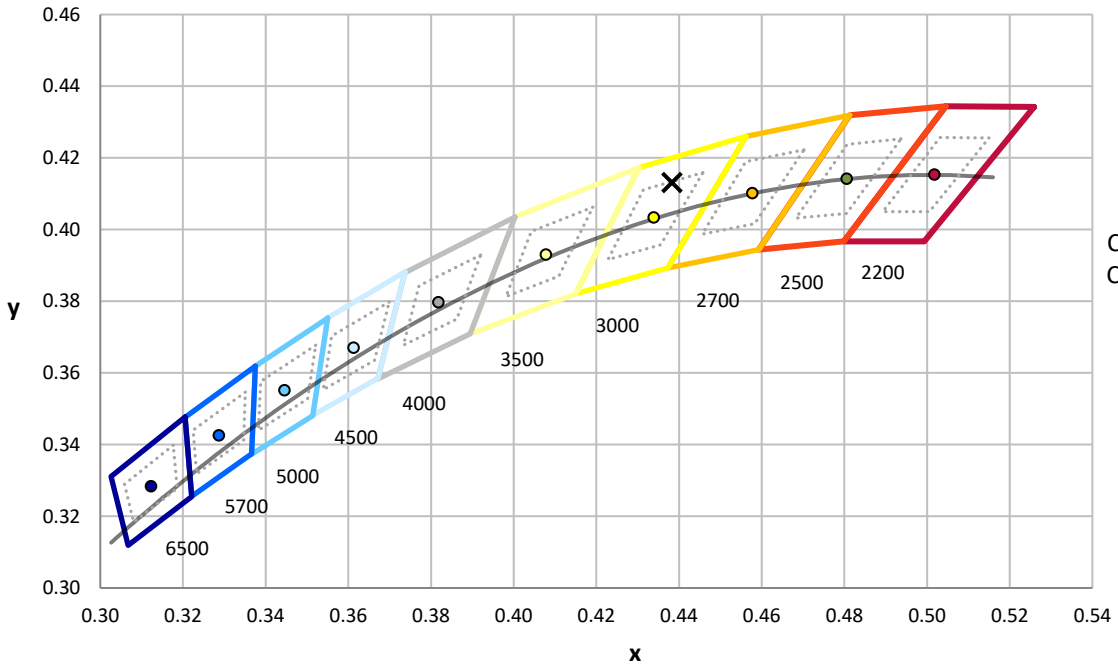
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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



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

Point lies inside the ANSI 3000K 4-step quadrangle

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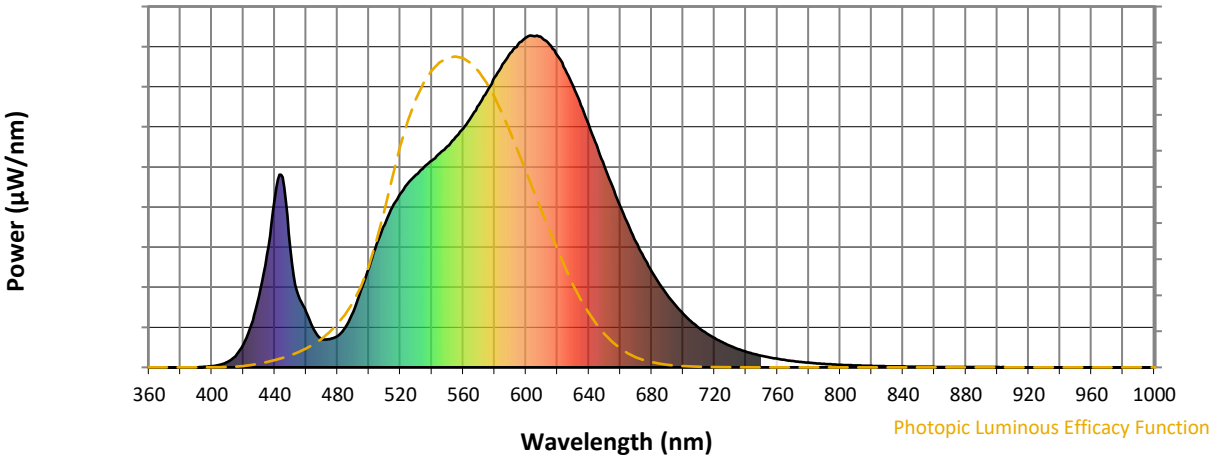
Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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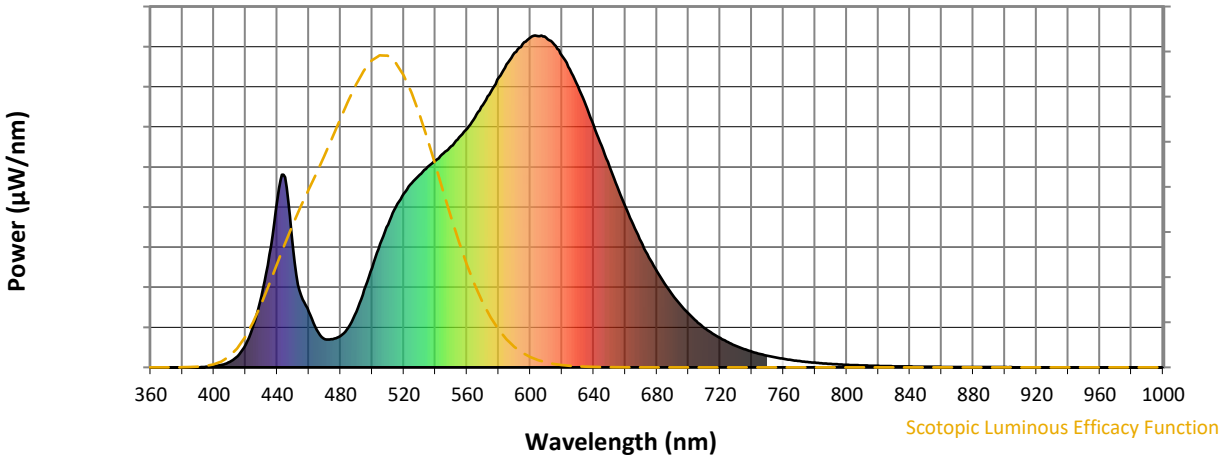
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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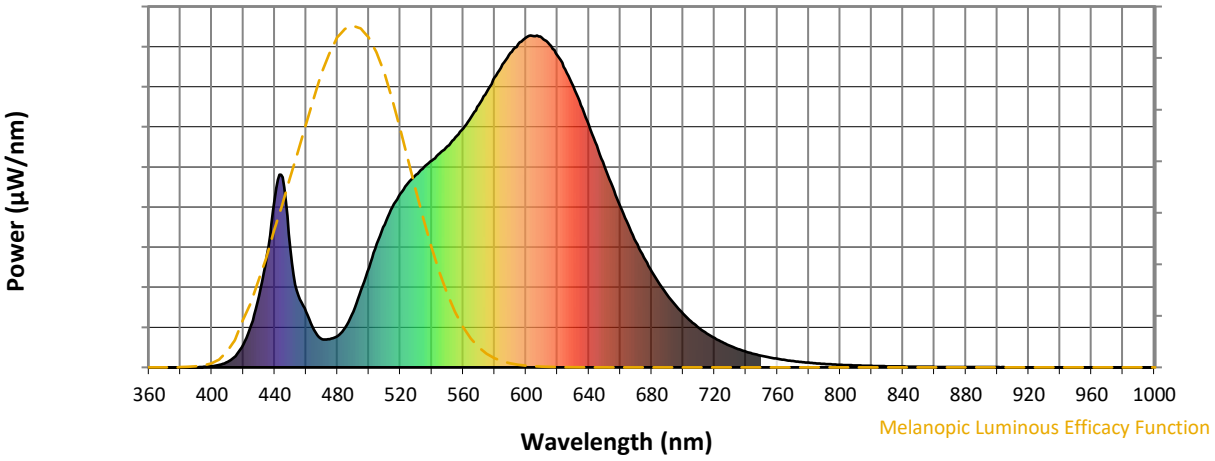
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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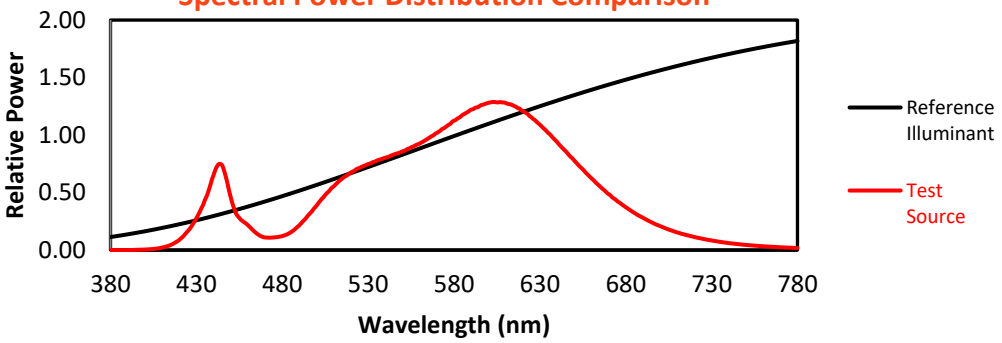
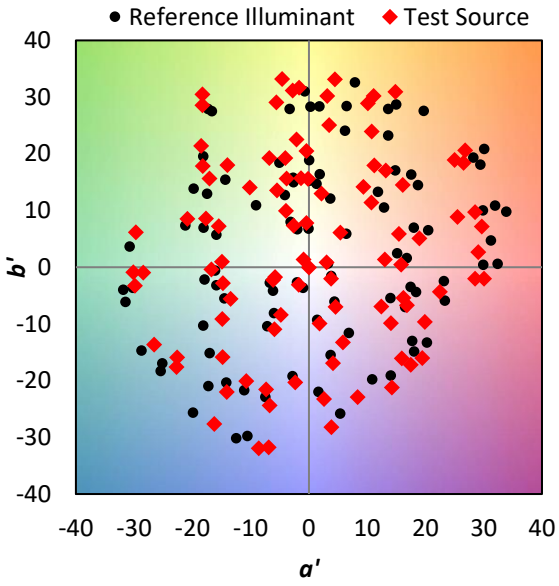
Summary

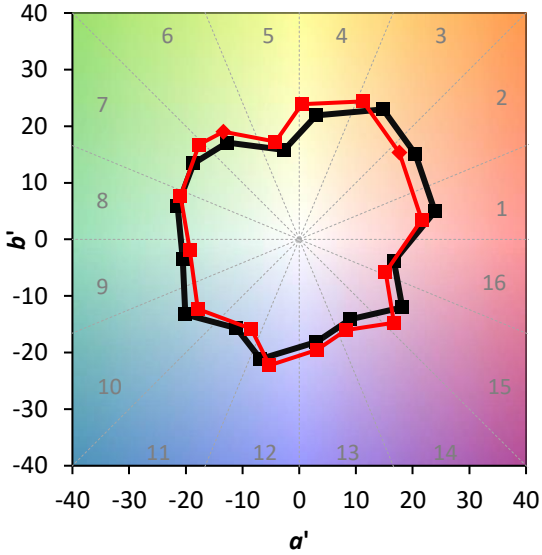
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

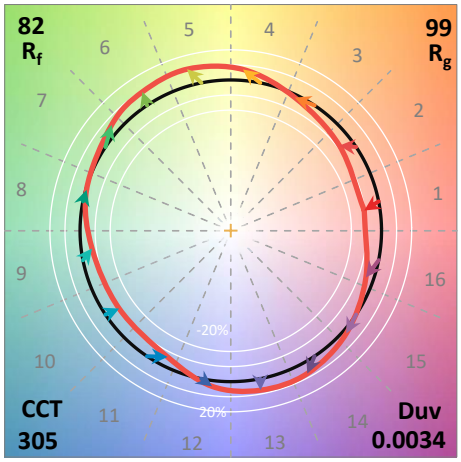
Spectral Power Distribution Comparison

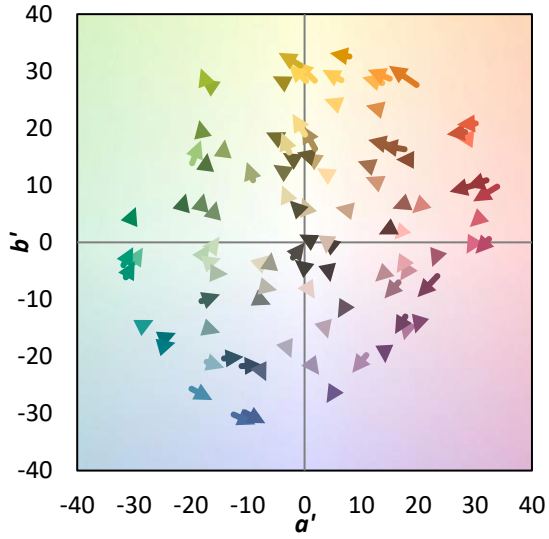


Color Vector Graphics









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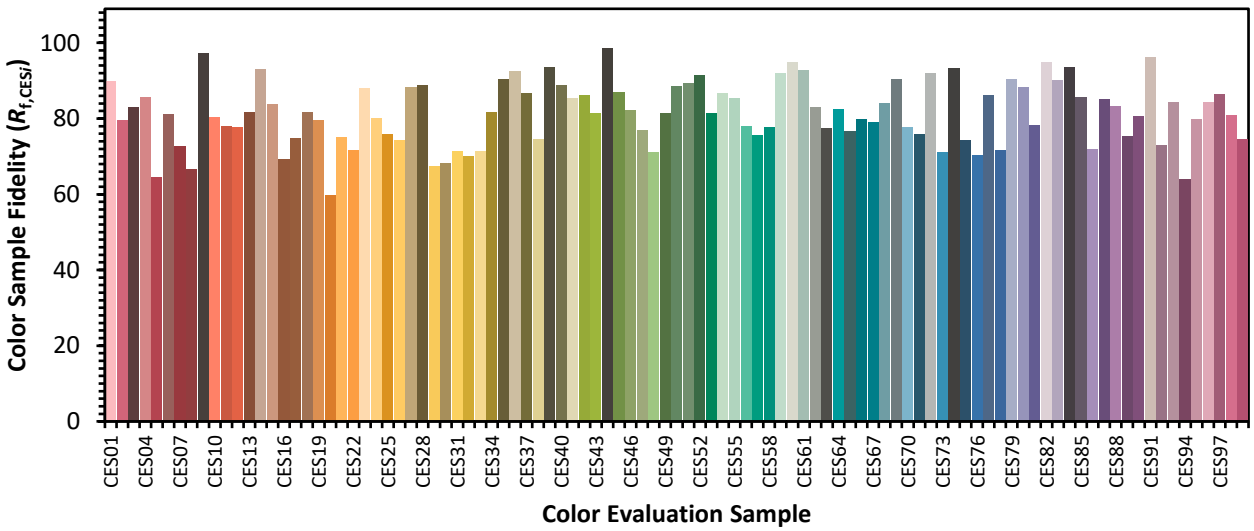
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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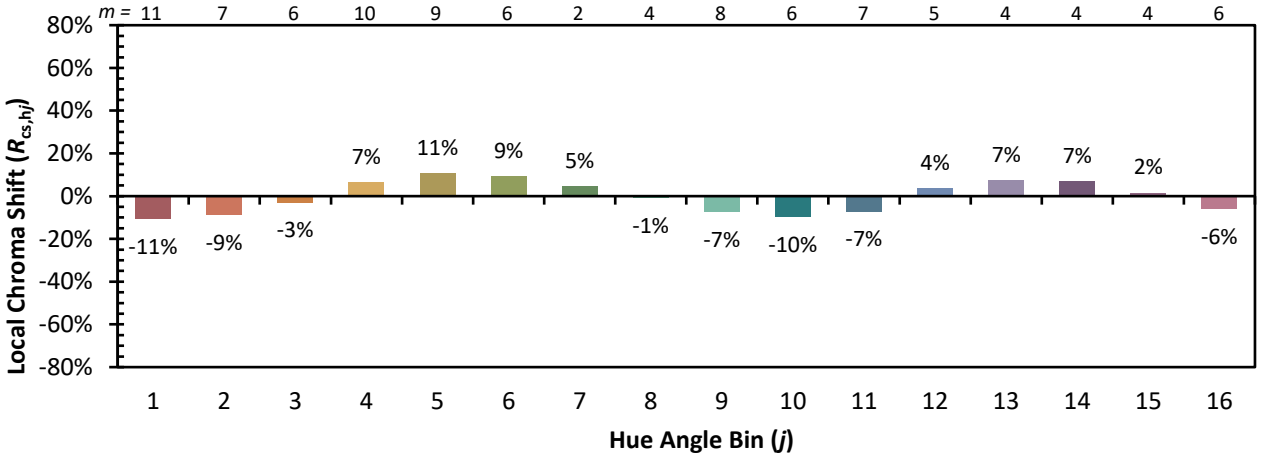
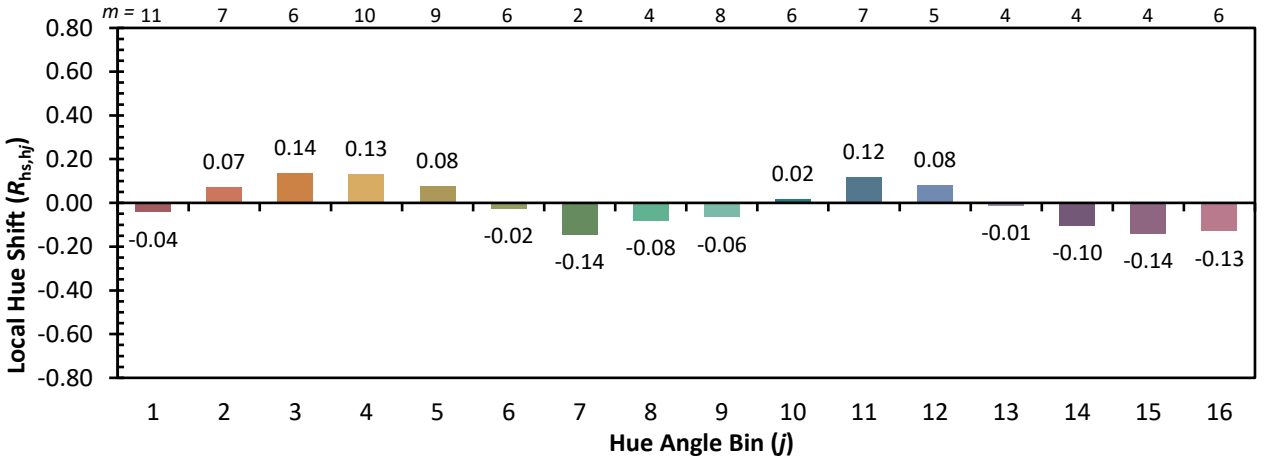
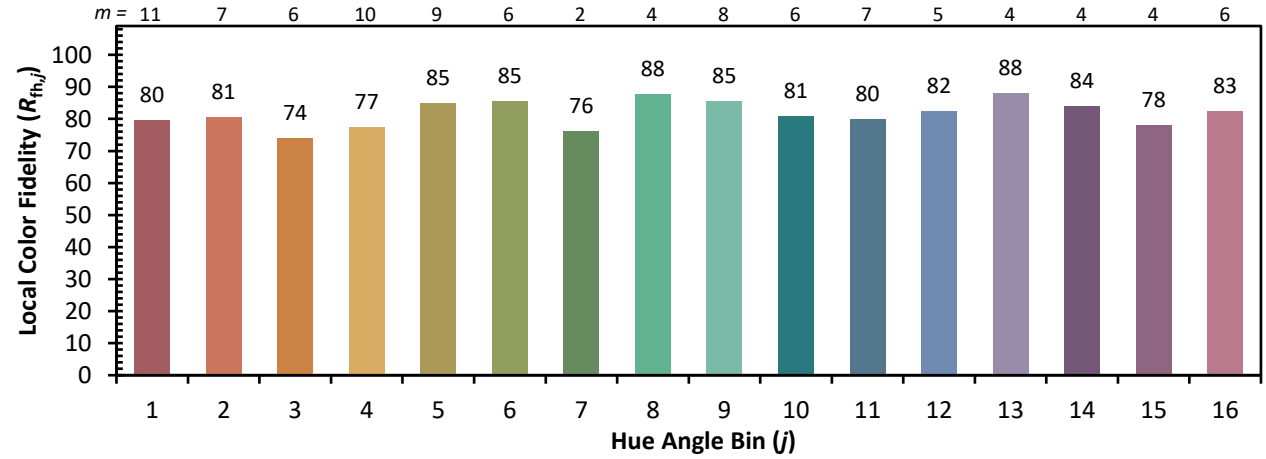
Color Rendition by Hue-Angle Bin







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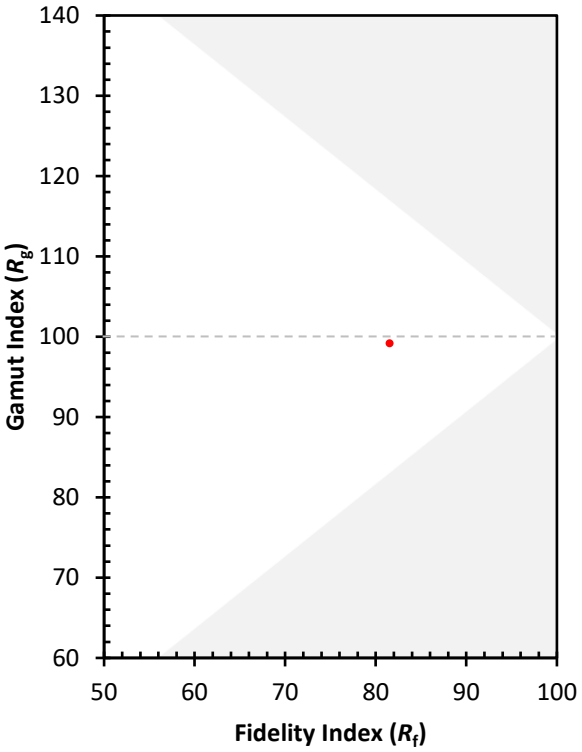
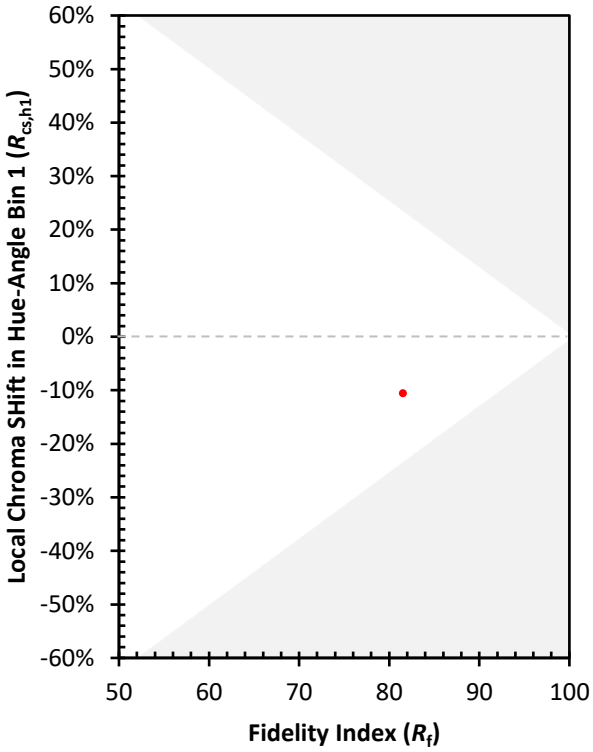
Measure Comparisons





(END OF REPORT)