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: P324013

Luminaire Tested: **GLEON-SA9C-830-U-SL4-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:	P324013
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA9C-830-U-SL4-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
	SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	40781 lumens
Efficiency:	N/A
Efficacy:	81.4 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	501
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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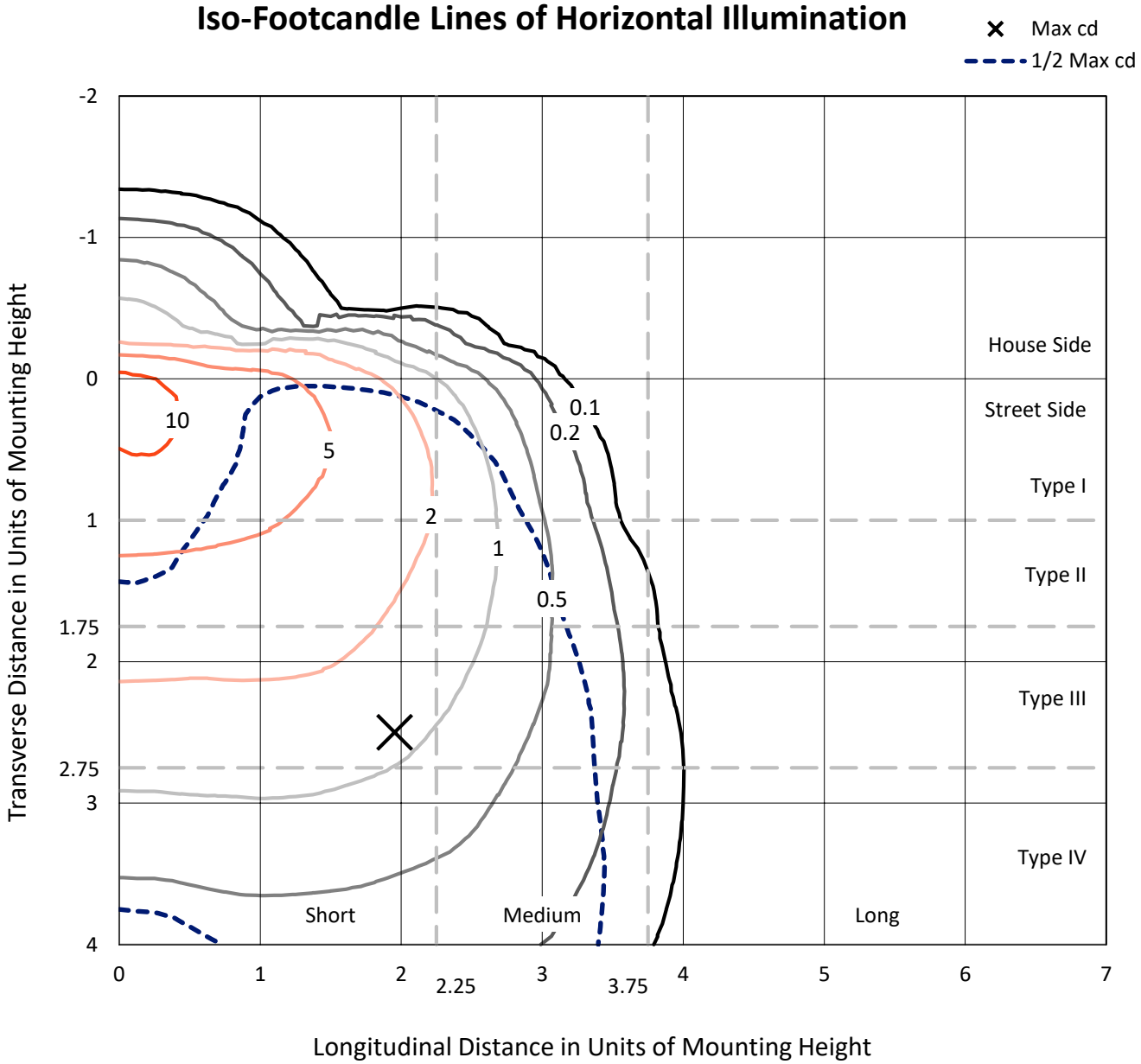
Scaled Data Report

REPORT NUMBER: P324013
CATALOG NUMBER: GLEON-SA9C-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
Type IV - Short - N/A

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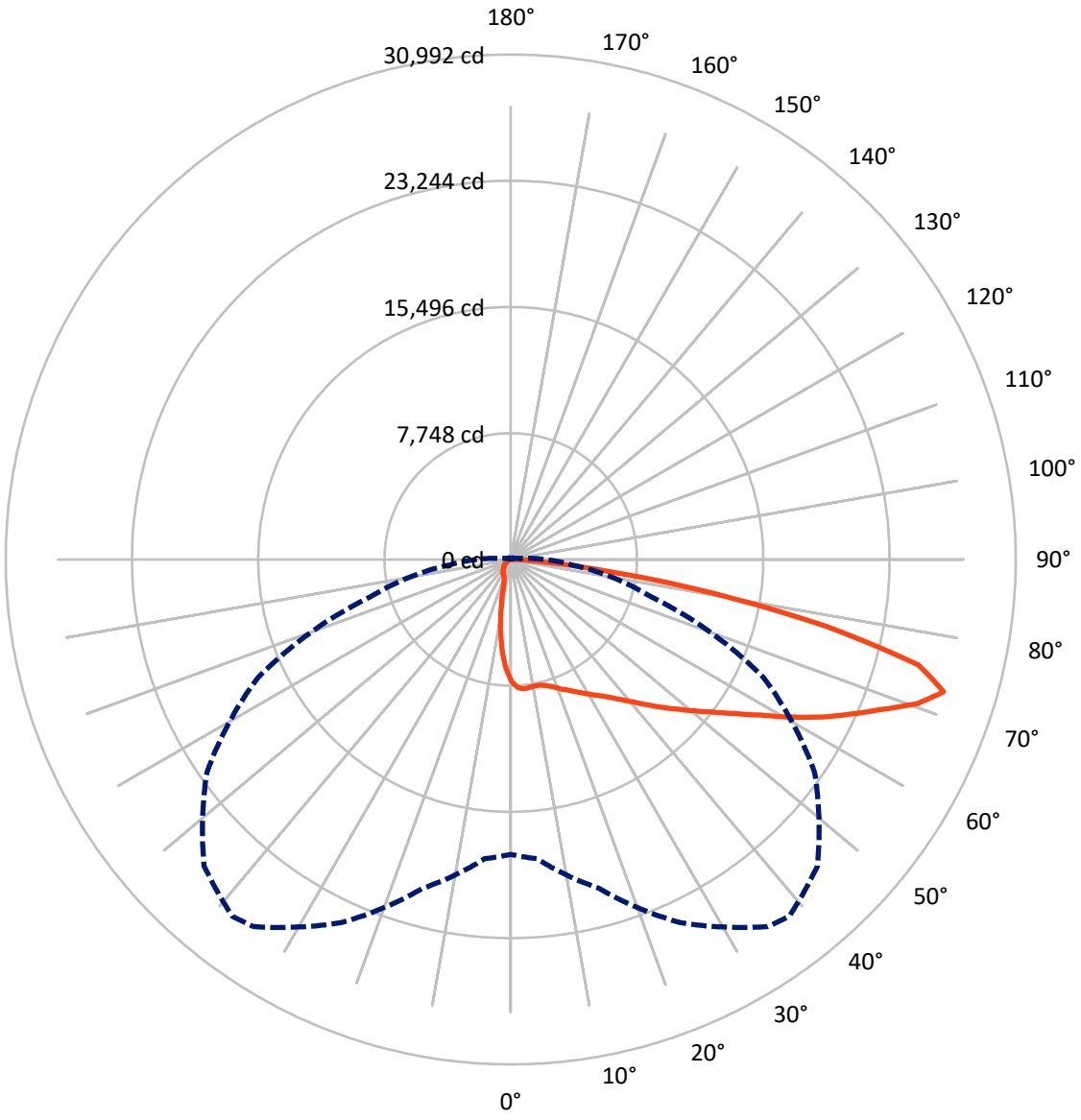
Luminous Intensity Polar Plot



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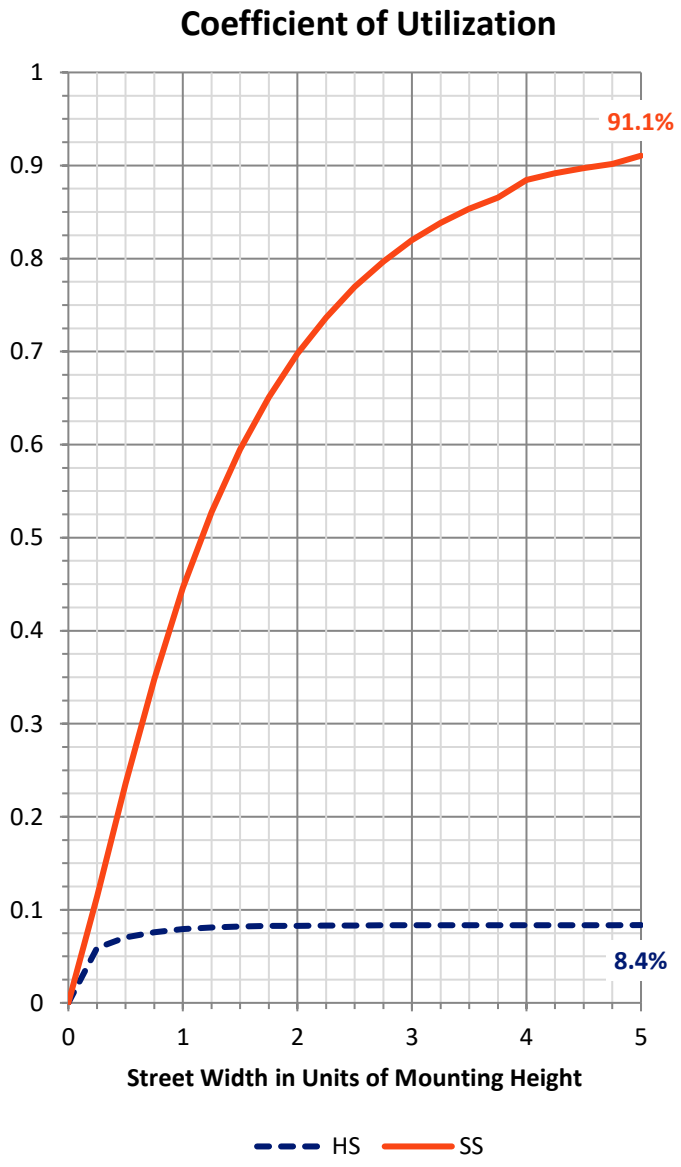
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3431.9	0.0	3431.9
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	37349.1	0.0	37349.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	40781.0	0.0	40781.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.1	1.6
10°-20°	1562.7	3.8
20°-30°	2485.5	6.1
30°-40°	3736.7	9.2
40°-50°	5700.6	14.0
50°-60°	8056.9	19.8
60°-70°	10106.0	24.8
70°-80°	7556.5	18.5
80°-90°	937.0	2.3
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°	40781.0	100.0
0°-180°	40781.0	100.0



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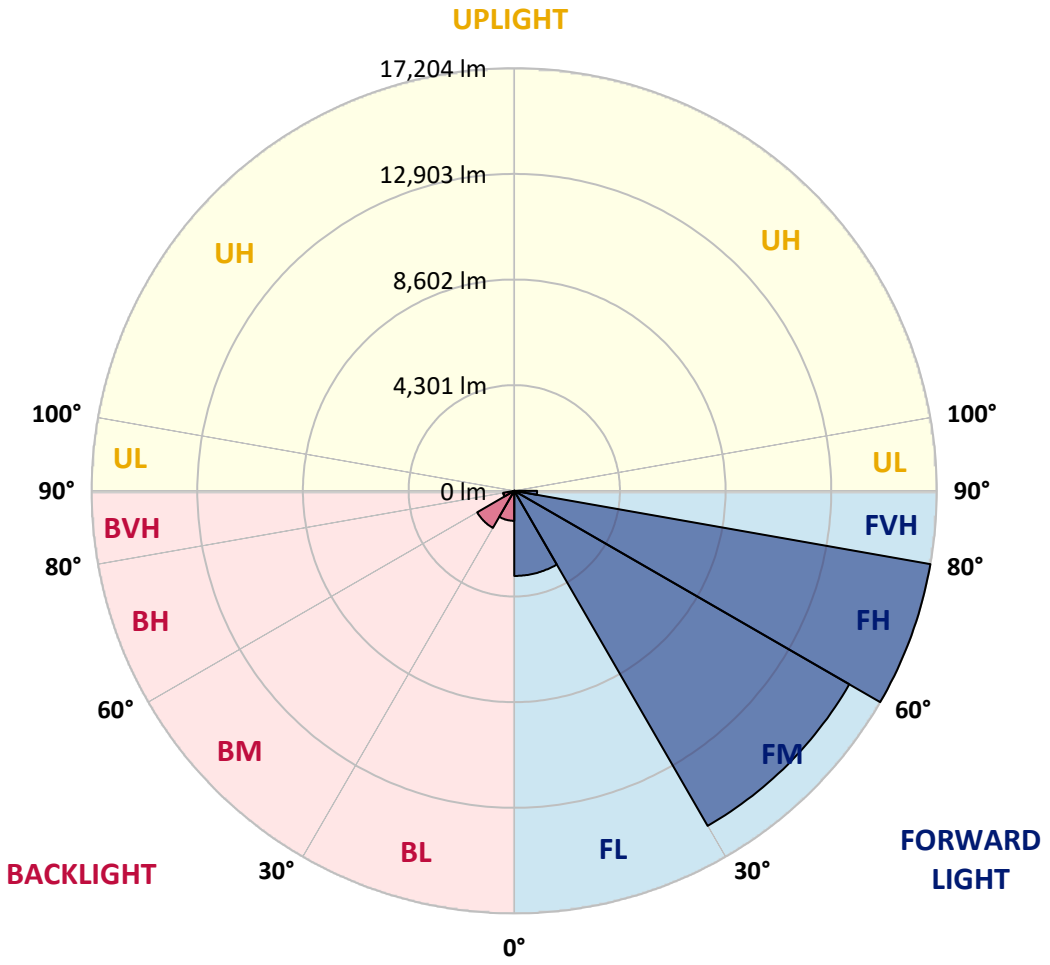
REPORT NUMBER: P324013
CATALOG NUMBER: GLEON-SA9C-830-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3465.4	8.5			
FM	(30°-60°)	15751.4	38.6			
FH	(60°-80°)	17204.1	42.2			G5
FVH	(80°-90°)	928.2	2.3			G5
BL	(0°-30°)	1222.0	3.0	B3/2500		
BM	(30°-60°)	1742.8	4.3	B2/2500		
BH	(60°-80°)	458.4	1.1	B1/500		G1/500
BVH	(80°-90°)	8.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type IV Short



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REPORT NUMBER: P324013
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	7499.5	7499.5	7499.5	7499.5	7499.5	*7499.5*	7499.5	7499.5	7499.5	7499.5	7499.5
2.5°	7960.2	7961.9	7943.2	7912.7	7873.8	*7853.5*	7819.6	7765.4	7707.8	7604.5	7492.7
5°	8122.8	8122.8	8099.0	8058.4	7995.7	*7977.1*	7912.7	7826.4	7707.8	7540.1	7352.1
7.5°	8105.8	8109.2	8077.0	8034.7	7972.0	*7955.1*	7877.2	7780.6	7633.3	7430.1	7189.6
10°	8017.7	8026.2	8000.8	7980.5	7922.9	*7904.3*	7831.4	7734.9	7587.6	7370.8	7094.7
12.5°	7928.0	7936.5	7944.9	7963.6	7928.0	*7921.2*	7863.6	7782.3	7641.8	7416.5	7104.9
15°	7870.4	7887.3	7948.3	8021.1	8029.6	*8022.8*	7985.6	7909.4	7767.1	7533.4	7177.7
17.5°	7870.4	7897.5	8024.5	8163.4	8212.5	*8217.6*	8185.4	8078.7	7909.4	7658.7	7245.4
20°	7936.5	7973.7	8171.9	8368.3	8449.6	*8449.6*	8387.0	8237.9	8039.8	7772.2	7291.2
22.5°	8105.8	8154.9	8403.9	8630.9	8717.2	*8698.6*	8613.9	8397.1	8175.3	7900.9	7348.8
25°	8439.5	8476.7	8735.9	8964.5	9017.0	*8974.7*	8868.0	8590.2	8348.0	8075.3	7453.8
27.5°	8869.7	8874.7	9142.3	9335.4	9303.2	*9274.4*	9140.6	8832.4	8597.0	8324.3	7635.0
30°	9342.2	9342.2	9577.6	9725.0	9626.7	*9603.0*	9469.2	9125.4	8915.4	8663.0	7892.4
32.5°	9799.5	9819.8	10011.2	10104.3	9994.2	*9970.5*	9840.1	9496.3	9338.8	9179.6	8293.8
35°	10241.5	10256.8	10438.0	10488.8	10383.8	*10390.6*	10297.4	10006.1	9946.8	9926.5	8898.4
37.5°	10670.0	10673.4	10858.0	10890.2	10837.7	*10895.3*	10903.7	10646.3	10756.4	10920.7	9750.4
40°	11061.2	11064.6	11247.5	11330.5	11420.3	*11494.8*	11560.9	11423.7	11787.8	12168.9	10764.9
42.5°	11374.6	11410.1	11642.2	11799.7	12036.8	*12179.1*	12358.6	12351.8	13015.7	13588.2	11991.1
45°	11650.6	11711.6	12035.1	12311.2	12717.6	*12944.6*	13225.7	13445.9	14397.7	15168.3	13232.5
47.5°	12014.8	12072.4	12441.6	12893.8	13435.7	*13733.8*	14199.6	14675.5	15916.9	16719.7	14445.2
50°	12527.9	12502.5	12866.7	13515.3	14211.4	*14602.7*	15266.6	15979.6	17424.3	18071.3	15158.2
52.5°	13075.0	13064.8	13334.1	14191.1	15126.0	*15583.3*	16460.6	17327.8	18865.6	19002.8	15485.1
55°	13752.5	13679.6	13906.6	14961.7	16211.6	*16702.8*	17735.9	18662.4	20013.9	19527.8	15649.3
57.5°	14462.1	14341.8	14558.6	15820.4	17436.1	*18017.1*	19148.4	19963.1	20777.7	19886.9	15647.7
60°	15195.4	15053.2	15310.6	16894.2	18957.0	*19629.4*	20679.5	20842.1	21490.8	20068.1	15532.5
62.5°	15808.5	15723.9	16106.6	18042.5	20655.8	*21316.3*	21836.3	21641.5	22092.0	20208.7	15263.2
65°	16457.2	16462.3	17080.5	19382.2	22461.2	*22906.6*	22950.7	22678.0	22595.0	20179.9	14352.0
67.5°	17334.5	17415.8	18447.3	21201.1	24217.5	*24561.3*	24558.0	23800.9	22962.5	19035.0	12331.5
70°	18262.7	18454.0	20022.4	23282.6	26134.7	*26483.6*	26304.1	24515.6	21621.2	15391.9	8727.4
72.5°	*18106.8*	*18438.8*	*20898.0*	*24595.2*	*27511.7*	*27777.6*	*26610.7*	*22759.3*	*17088.9*	*8945.9*	*3715.9*
75°	13969.2	14353.7	19162.0	23294.5	26067.0	*25828.2*	22864.3	17710.5	9338.8	2496.4	836.7
77.5°	7379.2	7584.2	12658.4	17746.1	20325.5	*19825.9*	16106.6	9824.9	2847.0	618.2	376.0
80°	3864.9	3912.3	5516.2	10068.8	12544.9	*12548.3*	9545.4	4315.4	1173.7	316.7	252.4
82.5°	2069.6	2110.3	2914.8	4652.5	6573.1	*5958.3*	3654.9	2374.5	682.5	179.5	242.2
85°	497.9	506.4	1653.0	2125.5	2584.5	*1846.1*	1085.6	1993.4	184.6	105.0	196.5
87.5°	191.4	194.8	613.1	919.7	658.8	*426.8*	508.1	743.5	23.7	40.6	30.5
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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Scaled Data Report

REPORT NUMBER: P324013
CATALOG NUMBER: GLEON-SA9C-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7499.5	7499.5	7499.5	7499.5	7499.5	7499.5	7499.5	7499.5	7499.5	7499.5	7499.5
2.5°	7425.0	7380.9	7272.5	7135.4	7013.4	6925.3	6793.2	6706.9	6649.3	6647.6	6625.6
5°	7237.0	7147.2	6913.5	6635.7	6383.4	6156.4	5888.8	5677.1	5519.6	5494.2	5440.0
7.5°	7035.4	6888.1	6529.0	6095.5	5672.0	5241.9	4742.2	4432.3	4166.4	4039.4	4025.8
10°	6911.8	6705.2	6195.4	5568.7	4904.8	4205.3	3551.6	3099.4	2772.5	2679.4	2609.9
12.5°	6886.4	6613.7	5937.9	5074.2	4125.7	3201.0	2477.8	1996.8	1736.0	1653.0	1631.0
15°	6911.8	6571.4	5721.2	4584.7	3336.5	2271.2	1663.2	1383.7	1285.5	1261.8	1260.1
17.5°	6927.0	6520.6	5475.6	4041.1	2571.0	1622.5	1273.6	1192.3	1177.1	1175.4	1178.8
20°	6925.3	6442.7	5182.6	3434.7	1912.1	1275.3	1151.7	1134.7	1131.4	1133.1	1131.4
22.5°	6913.5	6351.2	4860.8	2809.8	1444.7	1139.8	1099.2	1089.0	1087.3	1087.3	1087.3
25°	6935.5	6278.4	4506.8	2211.9	1190.6	1077.2	1051.8	1043.3	1041.6	1041.6	1038.2
27.5°	7015.1	6237.7	4119.0	1702.1	1075.5	1021.3	1000.9	999.3	994.2	992.5	995.9
30°	7143.8	6237.7	3693.9	1324.4	1006.0	963.7	948.4	945.1	943.4	941.7	943.4
32.5°	7370.8	6285.1	3229.8	1100.9	940.0	899.3	889.2	894.2	889.2	889.2	889.2
35°	7780.6	6427.4	2743.7	960.3	870.5	836.7	826.5	833.3	829.9	829.9	828.2
37.5°	8378.5	6691.6	2254.3	875.6	809.6	774.0	760.4	770.6	767.2	767.2	765.5
40°	9106.8	7076.1	1788.5	811.3	750.3	713.0	701.2	706.3	697.8	697.8	701.2
42.5°	10006.1	7563.9	1382.0	748.6	691.0	655.4	648.7	643.6	628.3	619.9	621.6
45°	11005.4	8071.9	1077.2	687.6	635.1	606.3	596.2	582.6	557.2	540.3	542.0
47.5°	11897.9	8463.2	875.6	628.3	584.3	562.3	547.0	521.6	484.4	464.1	465.8
50°	12367.0	8522.5	745.2	569.1	536.9	514.9	492.9	453.9	409.9	387.8	386.2
52.5°	12487.3	8244.7	648.7	514.9	489.5	464.1	435.3	382.8	333.6	309.9	306.6
55°	12531.3	7821.3	562.3	464.1	438.7	409.9	372.6	313.3	267.6	243.9	242.2
57.5°	12385.7	7189.6	494.5	418.3	387.8	352.3	306.6	250.7	206.6	188.0	188.0
60°	12062.2	6334.3	442.0	369.2	335.3	294.7	247.3	194.8	154.1	138.9	138.9
62.5°	11416.9	5226.6	392.9	318.4	286.2	243.9	199.9	147.3	108.4	99.9	101.6
65°	10199.2	3964.8	343.8	272.7	243.9	201.5	155.8	105.0	72.8	72.8	76.2
67.5°	8317.5	2753.9	293.0	232.0	210.0	164.3	118.6	72.8	50.8	57.6	64.4
70°	5506.1	1544.6	250.7	191.4	179.5	130.4	88.1	49.1	40.6	54.2	66.1
72.5°	*2078.1*	*601.2*	*210.0*	*154.1*	*155.8*	*99.9*	*62.7*	*37.3*	*37.3*	*59.3*	*77.9*
75°	579.2	294.7	150.7	113.5	121.9	72.8	45.7	32.2	35.6	67.7	91.5
77.5°	340.4	216.8	98.2	66.1	83.0	50.8	30.5	25.4	30.5	57.6	88.1
80°	274.4	115.2	57.6	33.9	45.7	28.8	20.3	15.2	8.5	22.0	45.7
82.5°	274.4	69.4	27.1	23.7	23.7	15.2	10.2	6.8	1.7	0.0	11.9
85°	184.6	28.8	16.9	15.2	11.9	5.1	3.4	1.7	0.0	0.0	0.0
87.5°	30.5	11.9	6.8	3.4	1.7	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

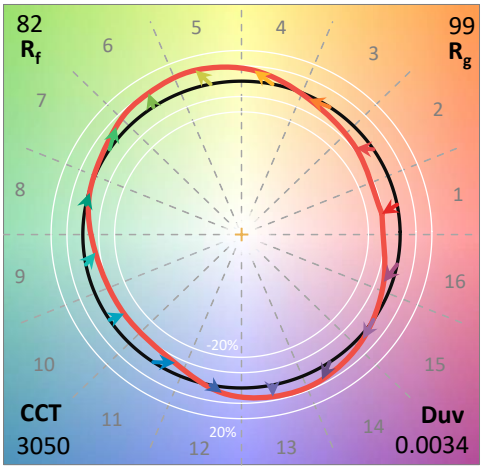
Test Information

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

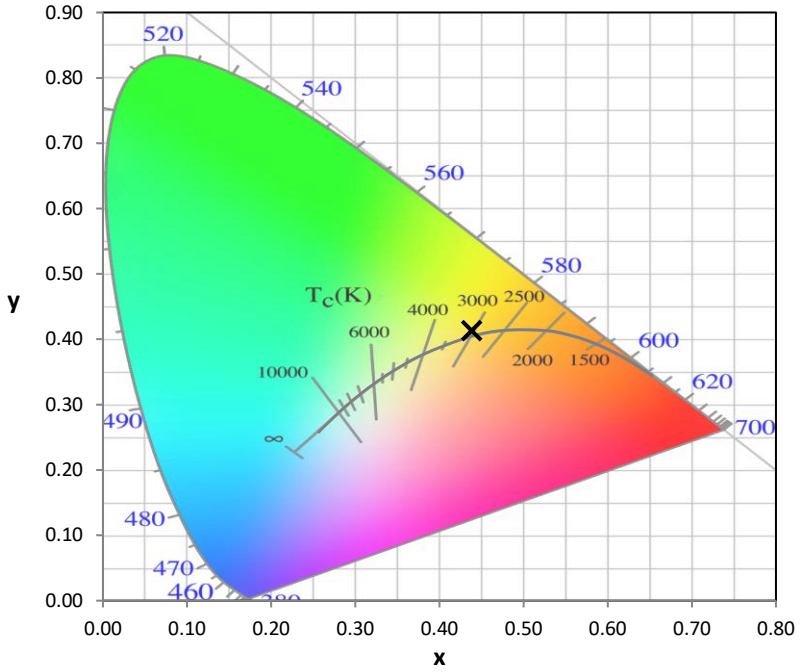
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

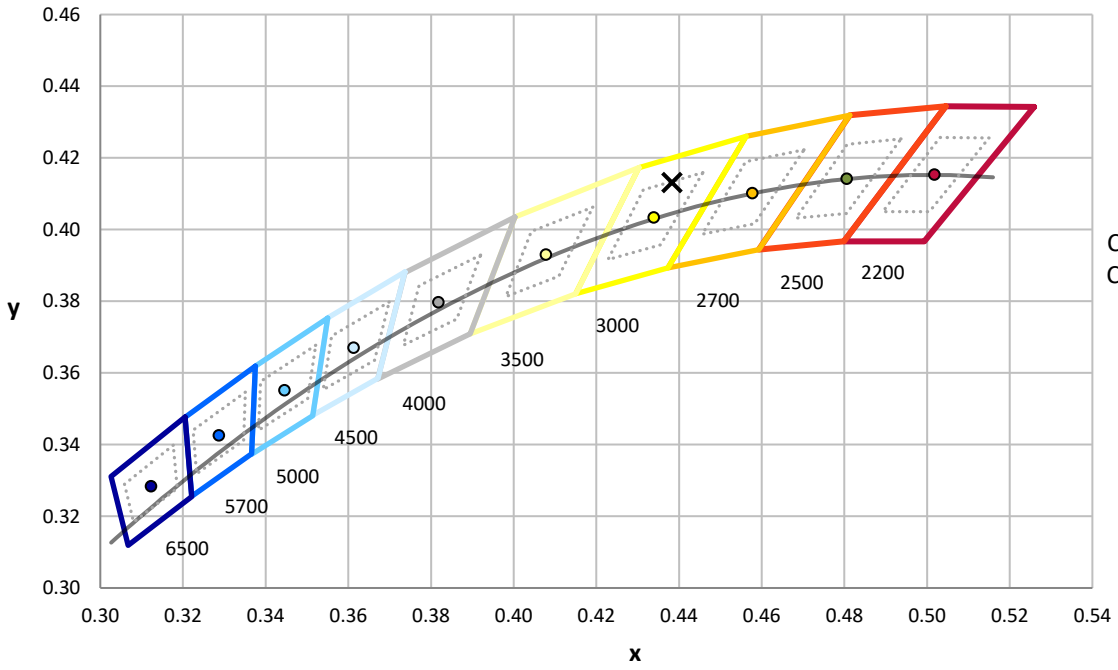
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

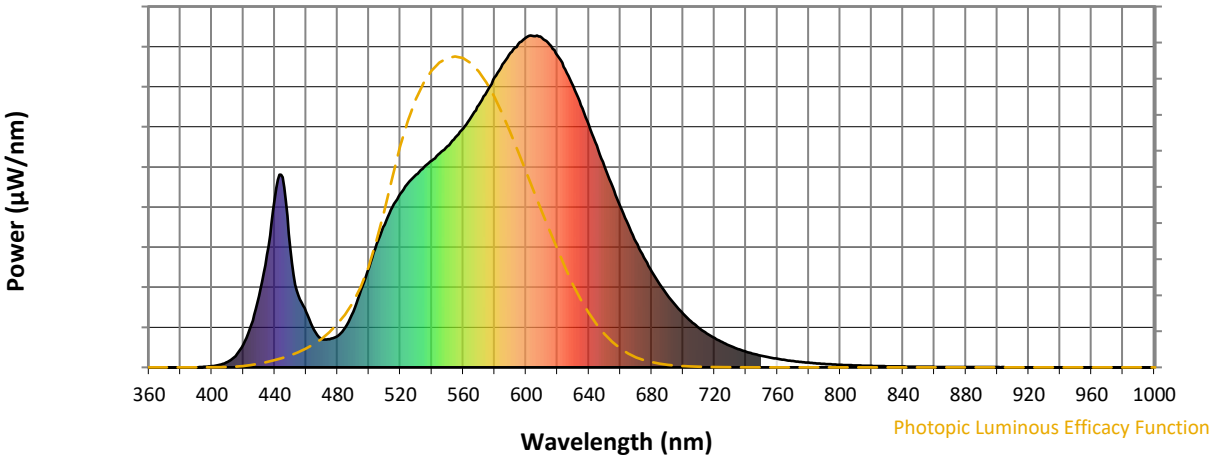


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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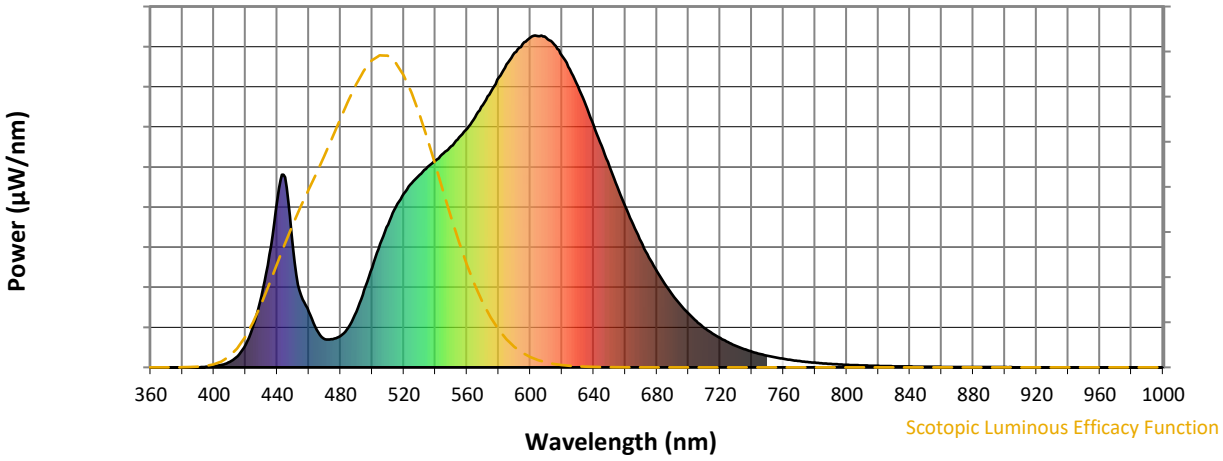
Scotopic Flux vs. Wavelength



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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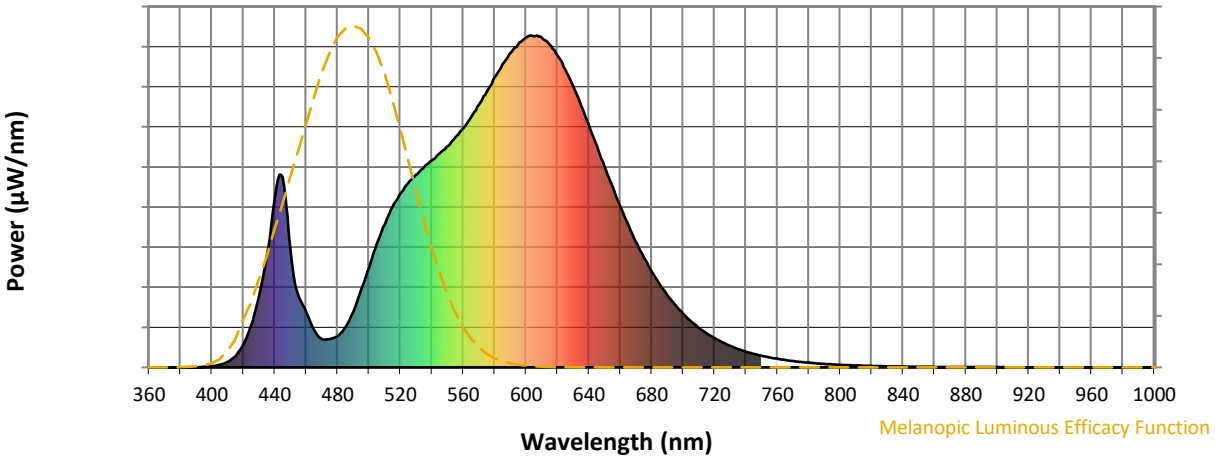
Melanopic Flux vs. Wavelength



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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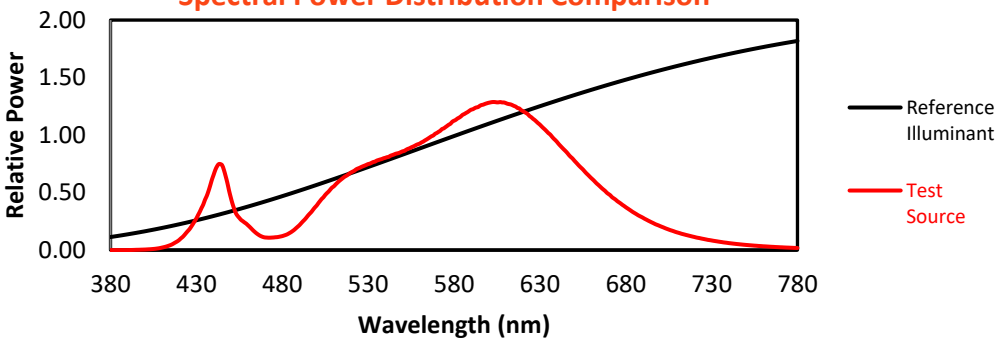
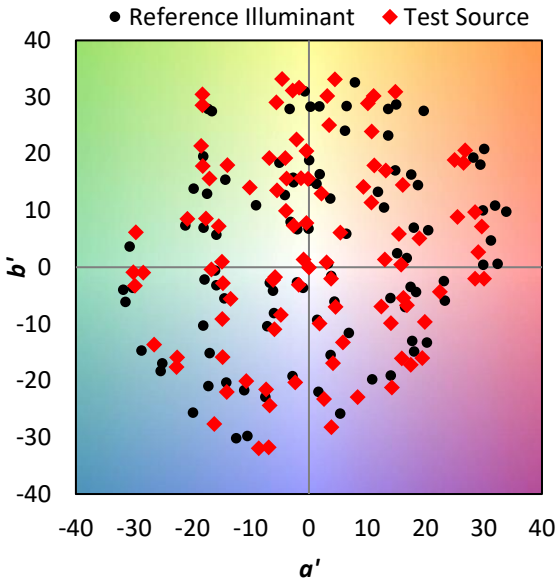
Summary

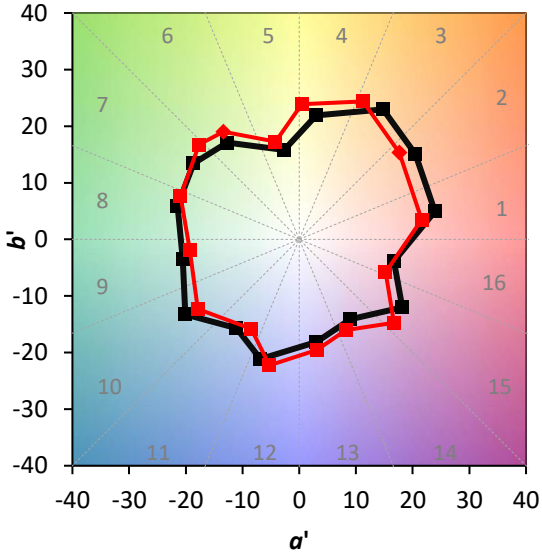
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

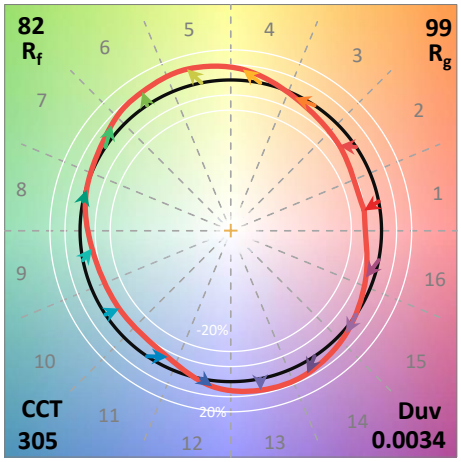
Spectral Power Distribution Comparison

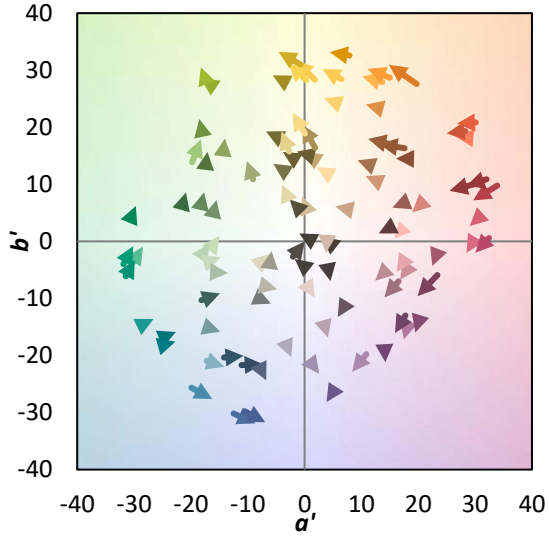


Color Vector Graphics









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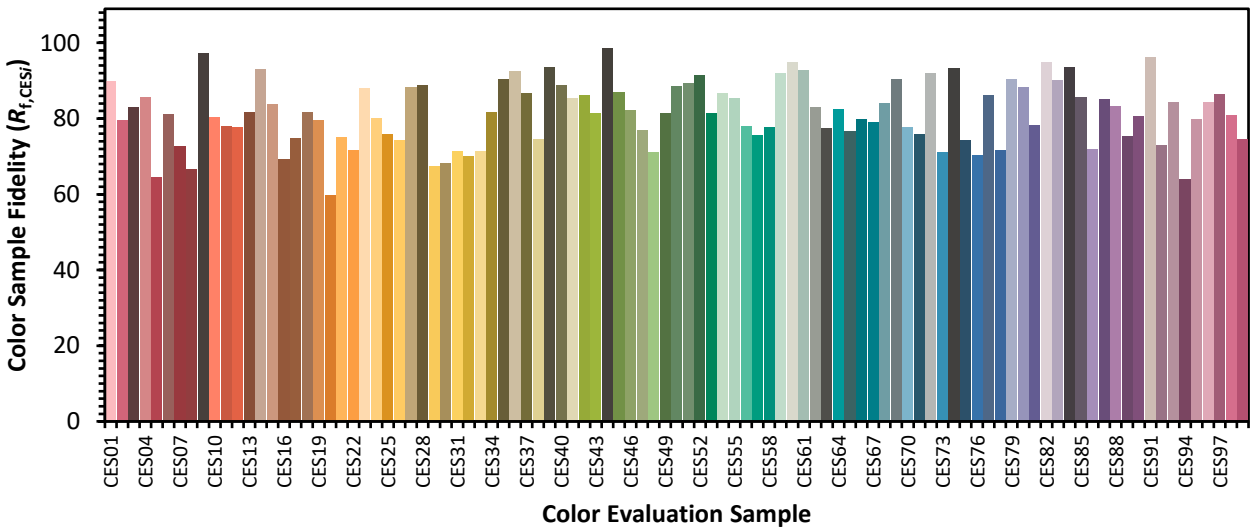
Individual Sample Fidelity Index ($R_{f,i}$)

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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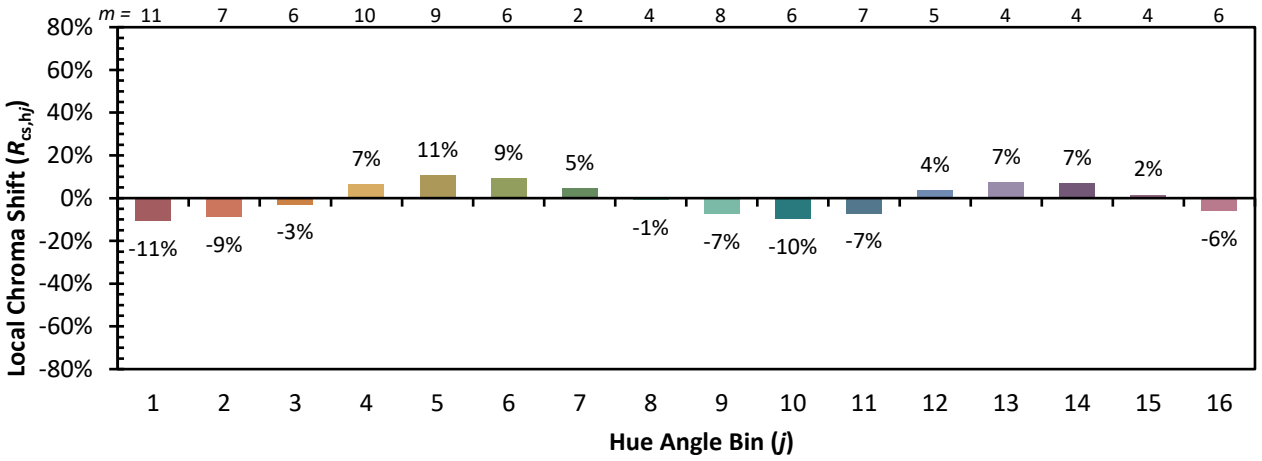
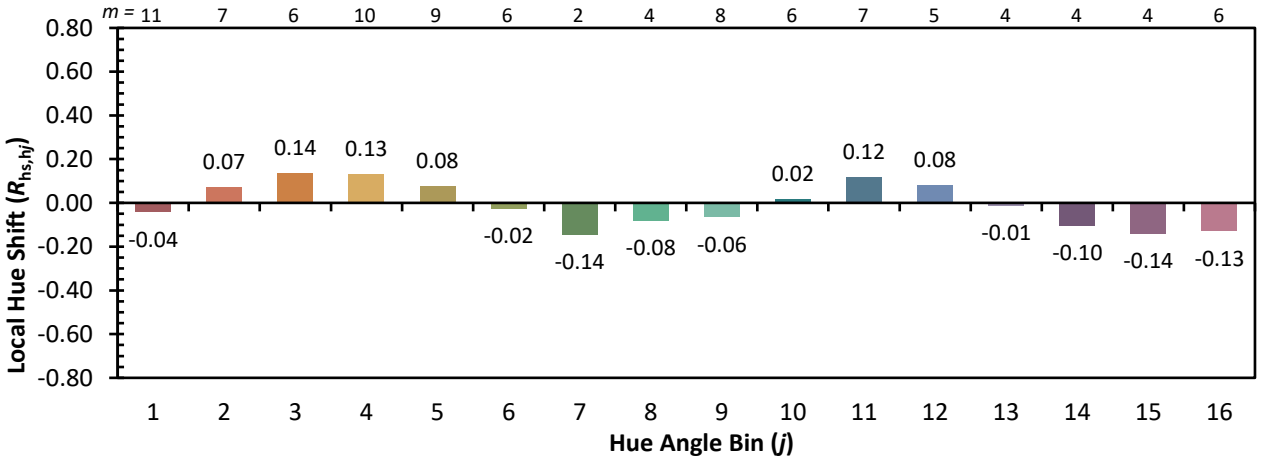
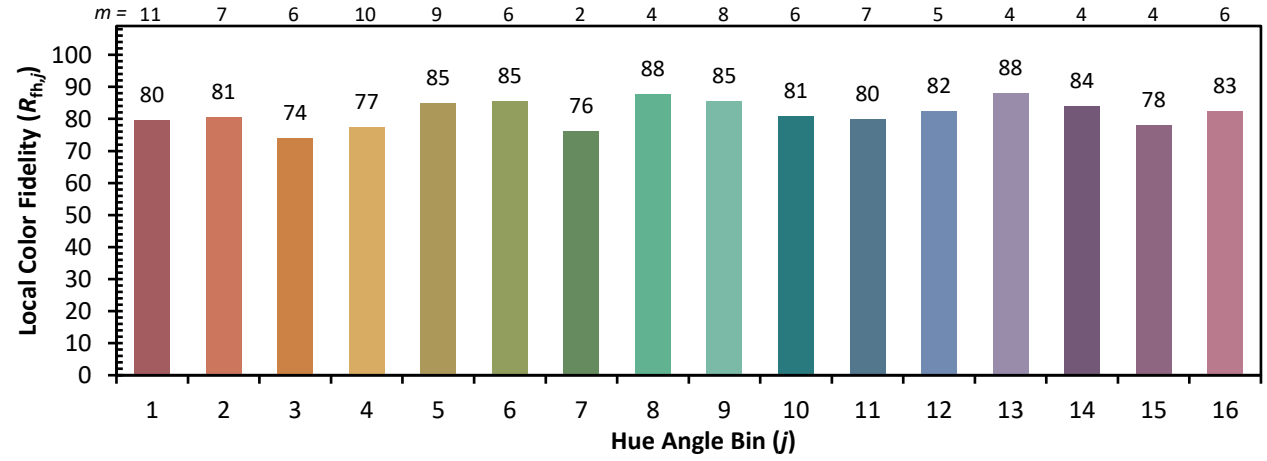
Color Rendition by Hue-Angle Bin







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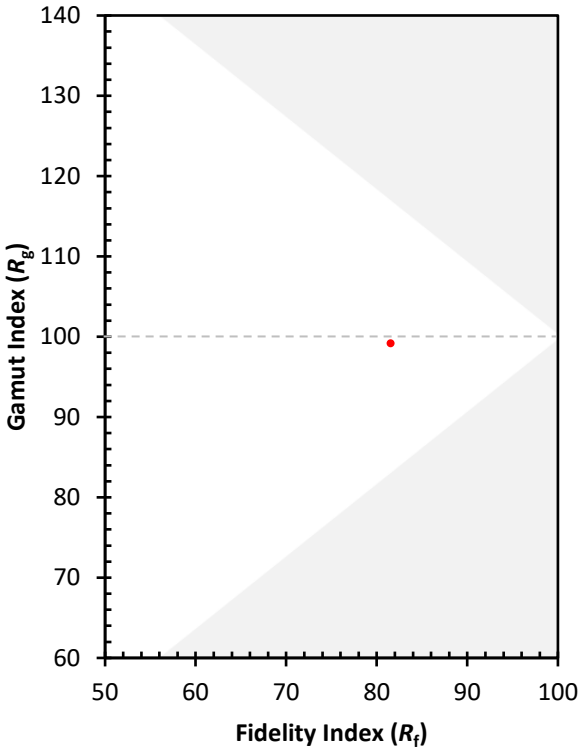
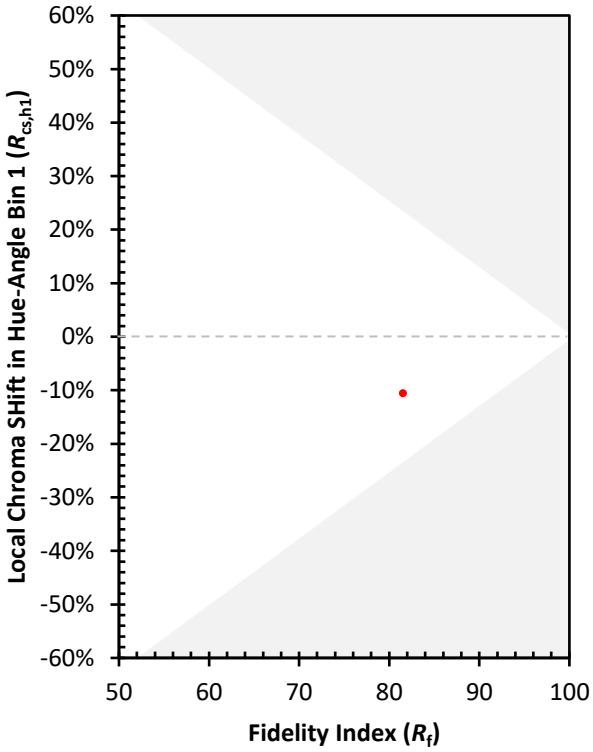
Measure Comparisons





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