Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

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

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629564

Luminaire Tested: GWS-SA1B-830-U-SL2-W

Issue Date: 1/10/2023

Report Generated By 670246102 / DESKTOP-G35701P

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P629564
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1B-830-U-SL2-W
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2797.8 lumens
Efficiency:	N/A
Efficacy:	111.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	25
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P629564
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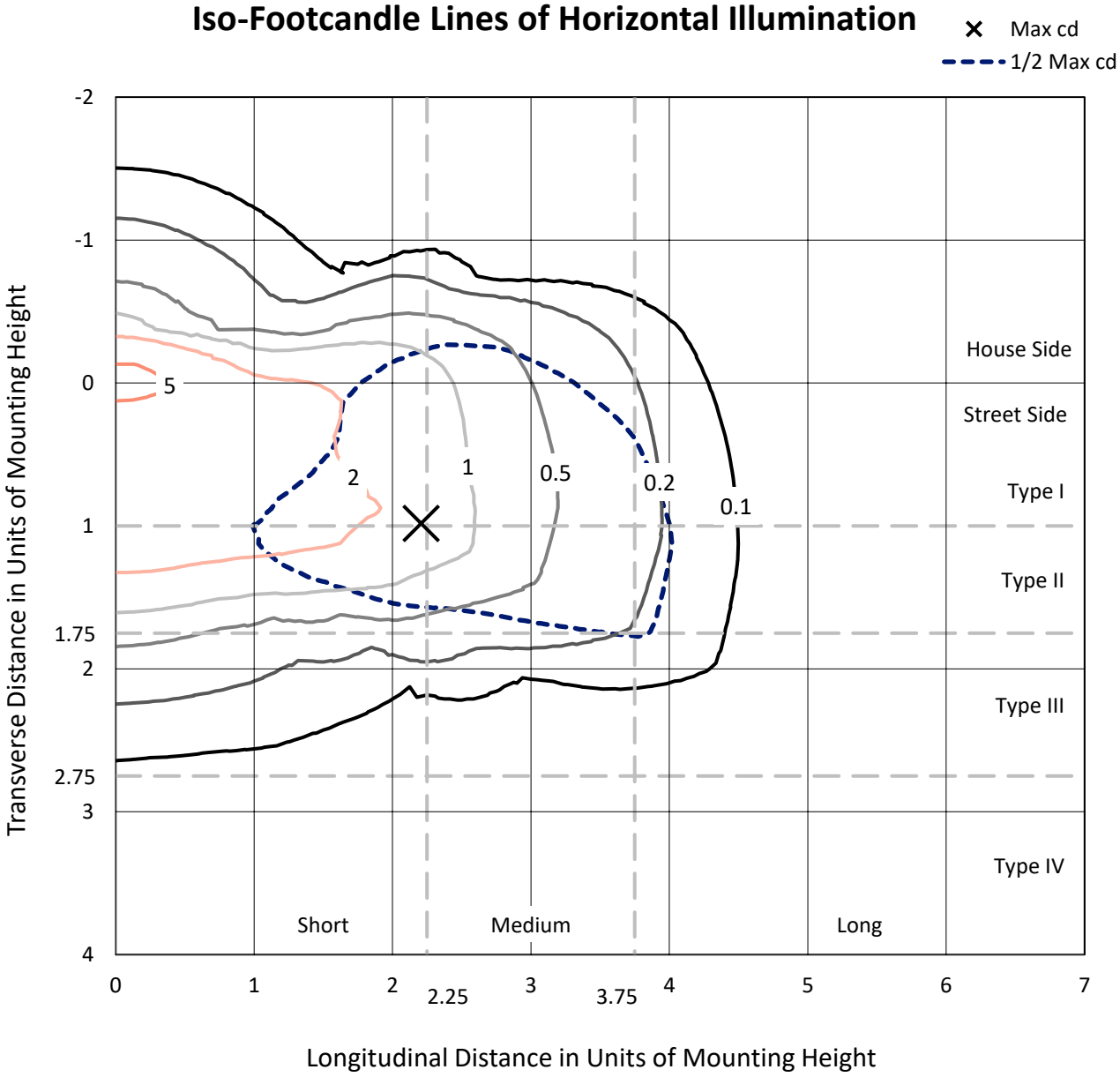
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
Type II - Short - N/A

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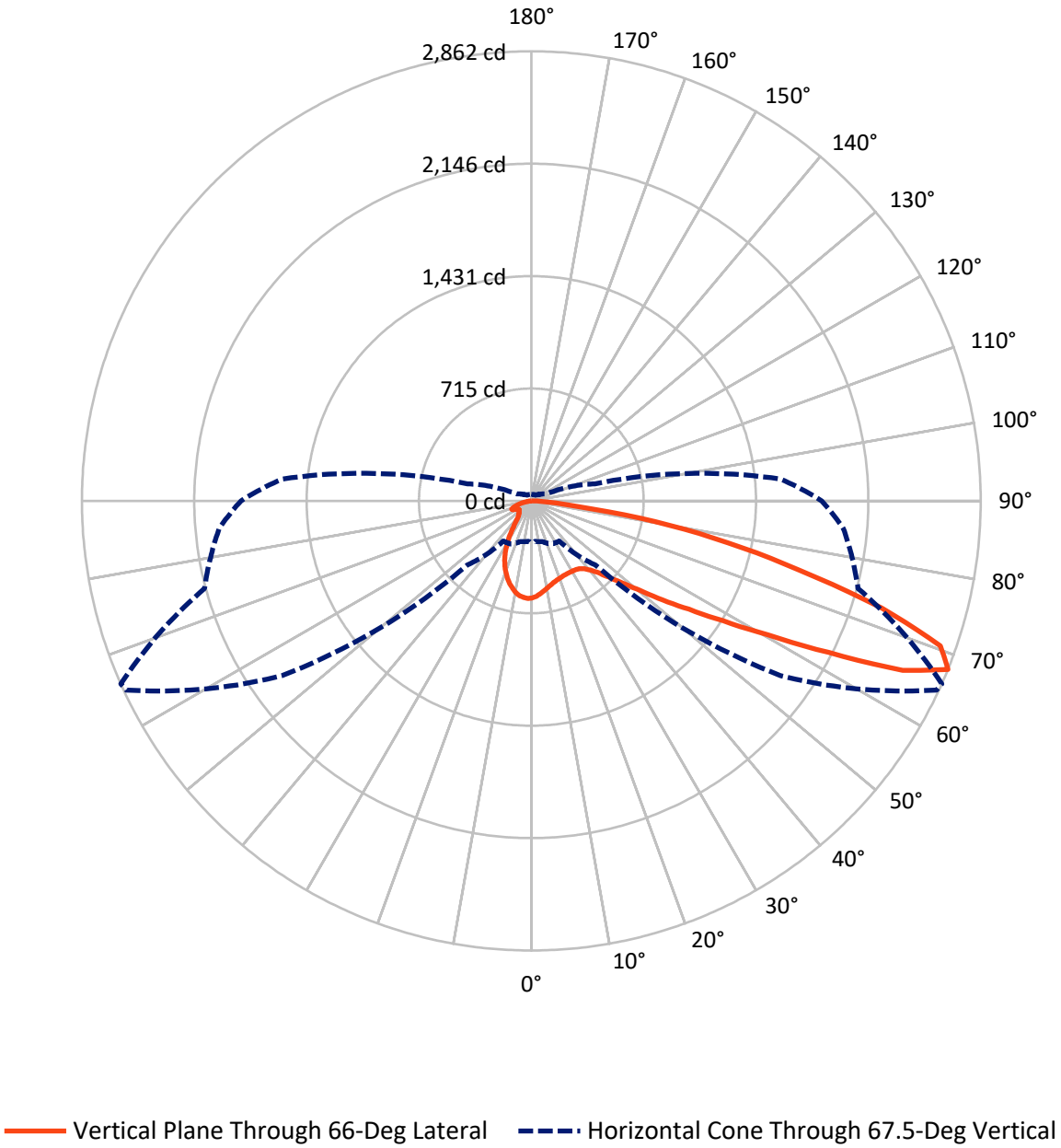
Luminous Intensity Polar Plot



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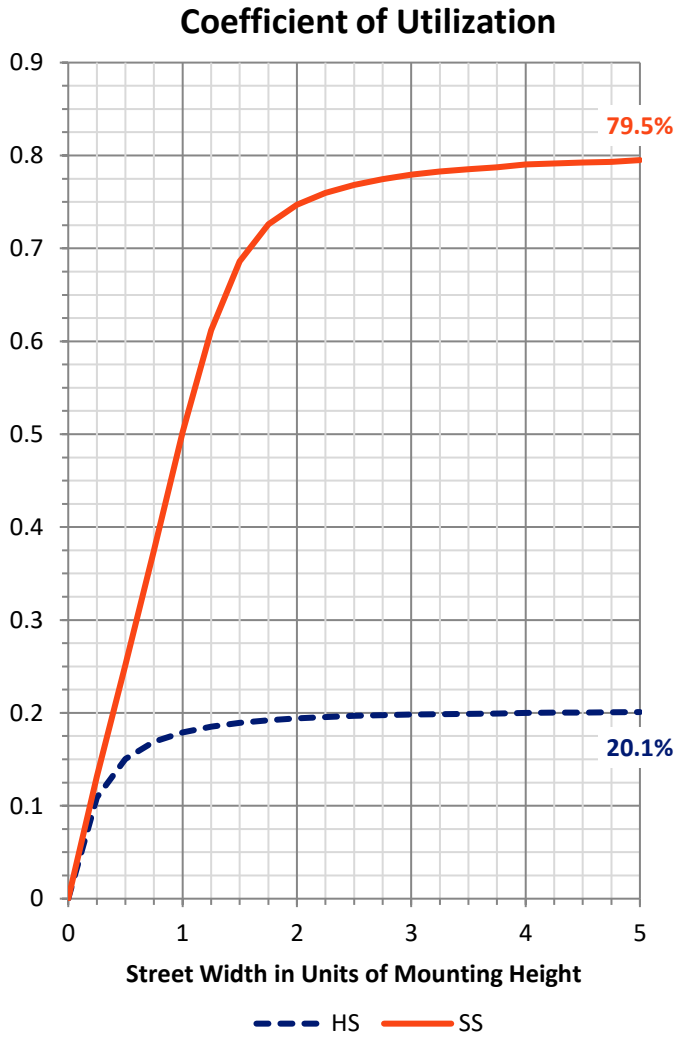
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	567.7	0.0	567.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	2230.1	0.0	2230.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	2797.8	0.0	2797.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.9
10°-20°	133.3	4.8
20°-30°	183.3	6.6
30°-40°	250.6	9.0
40°-50°	379.7	13.6
50°-60°	590.3	21.1
60°-70°	718.6	25.7
70°-80°	437.8	15.6
80°-90°	50.0	1.8
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°	2797.8	100.0
0°-180°	2797.8	100.0



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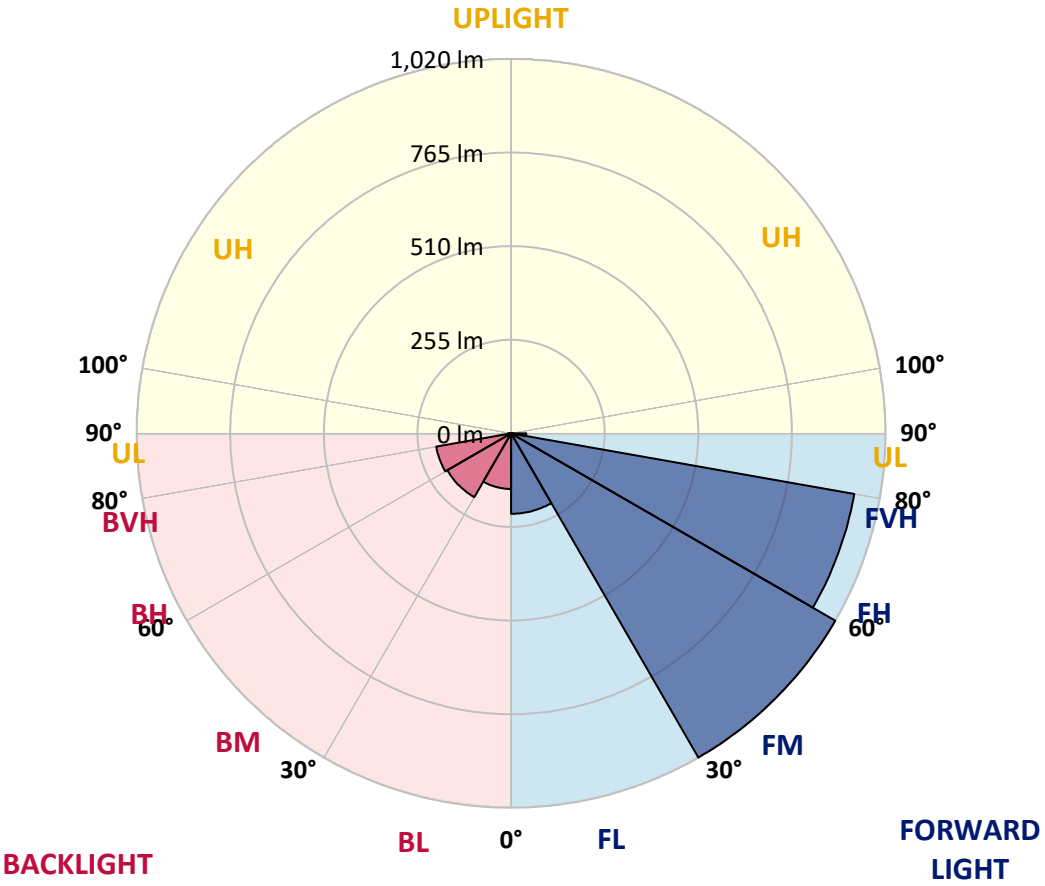
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	219.2	7.8			
FM	(30°-60°)	1019.9	36.5			
FH	(60°-80°)	949.4	33.9			G1/1800
FVH	(80°-90°)	41.6	1.5			G1/100
BL	(0°-30°)	151.7	5.4	B1/500		
BM	(30°-60°)	200.6	7.2	B0/220		
BH	(60°-80°)	207.0	7.4	B1/500		G1/500
BVH	(80°-90°)	8.4	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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REPORT NUMBER: P629564
CATALOG NUMBER: GWS-SA1B-830-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	*618.2*	618.2	618.2
2.5°	579.0	581.1	579.9	587.6	588.0	597.8	603.3	608.0	*608.4*	614.6	618.6
5°	539.4	540.7	540.7	548.0	552.9	566.0	578.6	592.1	*593.1*	607.8	619.1
7.5°	507.4	508.6	507.8	517.6	523.9	538.4	554.6	575.2	*577.2*	600.9	620.5
10°	482.3	481.9	483.9	492.9	501.1	518.4	536.4	559.9	*562.9*	592.9	622.1
12.5°	465.2	465.6	466.8	476.2	485.0	502.1	520.7	546.2	*549.5*	583.7	621.3
15°	457.0	456.2	457.2	465.8	474.1	489.2	508.4	534.8	*538.0*	575.6	621.5
17.5°	455.2	454.5	454.3	460.5	466.8	480.9	499.2	526.0	*529.4*	570.3	622.7
20°	460.9	460.1	457.8	460.5	463.1	475.0	492.7	519.7	*523.5*	566.8	625.2
22.5°	476.6	475.2	471.7	468.4	465.0	472.1	488.6	515.0	*518.8*	564.6	627.6
25°	500.5	499.2	495.6	488.2	475.6	474.3	487.8	512.9	*516.8*	562.9	628.6
27.5°	533.3	531.5	527.8	517.2	496.6	482.7	490.9	512.7	*516.4*	561.1	627.6
30°	572.3	571.1	569.0	556.2	528.6	500.5	497.8	514.3	*517.2*	560.1	625.6
32.5°	611.9	610.7	612.3	606.2	572.3	529.9	512.9	518.8	*520.9*	559.9	623.7
35°	646.8	648.2	660.1	661.1	627.8	569.7	536.8	529.2	*529.7*	563.9	624.6
37.5°	683.3	688.9	704.4	717.6	689.9	622.3	572.3	548.8	*548.4*	574.4	629.7
40°	731.7	734.2	754.0	778.9	761.5	694.6	622.7	580.9	*578.0*	595.6	643.3
42.5°	778.9	784.8	816.4	845.0	839.3	776.0	686.2	628.8	*623.7*	633.1	671.5
45°	838.9	844.6	880.1	916.8	927.2	868.1	767.4	697.0	*691.9*	689.7	723.1
47.5°	898.9	904.8	936.6	989.7	1026.2	983.2	873.2	787.0	*778.7*	769.9	801.1
50°	939.3	946.2	976.6	1040.3	1126.0	1126.9	998.5	905.0	*894.4*	880.5	910.9
52.5°	937.9	942.4	971.3	1044.8	1197.9	1292.0	1166.3	1055.2	*1046.7*	1016.4	1043.0
55°	864.2	870.9	900.1	992.0	1205.6	1448.5	1412.8	1232.4	*1217.1*	1163.0	1192.2
57.5°	716.2	721.9	751.3	864.6	1136.9	1528.7	1725.9	1458.1	*1437.1*	1322.6	1356.3
60°	540.7	533.7	547.6	646.8	972.4	1530.8	2002.3	1764.3	*1729.2*	1493.2	1521.4
62.5°	405.8	398.8	401.9	429.8	659.3	1407.1	2159.8	2183.1	*2125.1*	1685.9	1680.4
65°	320.6	316.8	325.5	344.7	384.3	1071.6	2161.1	2636.0	*2599.5*	1909.2	1843.5
67.5°	*261.3*	*258.8*	*267.8*	*303.3*	*311.7*	*575.8*	*1937.8*	*2847.5*	*2861.8*	*2153.7*	*1994.7*
70°	210.4	206.8	220.8	267.6	289.8	348.4	1388.1	2739.7	*2762.8*	2299.4	1952.1
72.5°	145.3	145.5	152.7	216.8	279.8	300.9	785.2	2281.3	*2331.3*	2167.4	1716.1
75°	98.0	98.8	100.8	143.1	257.8	291.9	418.4	1727.1	*1762.4*	1791.4	1418.5
77.5°	59.2	59.6	64.3	86.5	177.8	272.5	283.5	1252.0	*1279.7*	1181.0	879.3
80°	34.3	35.7	40.0	58.0	120.0	204.7	219.4	767.6	*799.1*	525.0	279.4
82.5°	15.1	16.1	21.8	33.7	70.0	174.1	171.2	303.3	*298.8*	146.3	96.9
85°	2.7	3.3	4.7	10.6	25.7	91.8	132.9	133.9	*125.9*	55.5	40.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	20.0	35.9	*35.7*	15.7	13.9
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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REPORT NUMBER: P629564
CATALOG NUMBER: GWS-SA1B-830-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2
2.5°	621.3	615.8	620.7	621.3	620.3	619.5	613.3	608.0	607.4	601.7	601.7
5°	623.5	618.4	620.9	616.2	608.8	601.3	588.2	579.3	575.2	567.8	567.8
7.5°	626.6	621.3	618.4	606.8	589.7	573.1	552.1	534.6	527.4	517.0	516.6
10°	629.5	622.7	612.9	590.3	562.9	536.6	506.0	481.1	464.1	451.7	451.7
12.5°	629.3	620.5	601.1	567.6	529.9	491.7	450.9	413.3	390.9	371.5	370.2
15°	628.8	616.8	586.0	541.3	491.3	438.4	382.9	333.9	300.6	281.7	280.0
17.5°	628.4	612.1	569.0	511.3	444.3	372.3	299.0	245.9	218.2	206.6	207.0
20°	628.4	606.8	550.9	476.8	390.2	293.1	219.4	180.8	173.9	174.5	175.1
22.5°	626.6	600.3	530.7	439.2	330.0	215.5	161.9	148.8	152.5	158.2	159.0
25°	622.3	589.5	507.2	397.6	258.4	157.0	132.1	129.6	136.3	143.5	145.5
27.5°	615.6	577.0	480.9	348.8	190.2	126.1	116.1	115.9	121.2	126.5	128.4
30°	608.4	563.1	453.1	294.5	137.8	109.8	105.9	105.9	108.6	111.8	111.4
32.5°	600.1	549.0	423.3	238.0	112.3	100.6	99.4	98.8	99.2	100.4	100.4
35°	592.9	536.6	392.7	178.2	100.6	95.5	94.3	92.9	92.3	91.4	91.8
37.5°	590.3	526.8	361.1	134.3	94.9	91.8	89.8	87.8	86.3	85.9	85.7
40°	594.6	522.7	329.4	110.6	90.8	88.0	85.7	83.1	81.8	81.8	81.8
42.5°	611.3	525.8	297.2	100.0	88.0	84.7	81.4	79.0	78.6	79.0	79.2
45°	641.9	537.6	263.7	94.7	85.5	81.4	77.6	75.7	75.7	76.1	76.1
47.5°	696.6	568.6	230.6	91.4	83.1	78.8	74.7	72.9	72.7	73.1	73.1
50°	791.3	624.6	200.8	89.2	81.2	76.7	72.7	70.2	69.6	69.4	69.4
52.5°	910.7	721.5	181.9	87.6	79.0	74.5	70.4	67.2	65.9	65.3	65.3
55°	1055.0	850.7	181.9	86.3	76.1	71.8	67.2	63.9	62.0	61.2	61.2
57.5°	1218.5	1001.1	213.3	85.3	73.9	68.8	63.7	60.4	58.4	57.1	57.1
60°	1384.9	1160.1	291.1	83.9	71.8	64.9	59.8	56.7	54.1	52.7	52.5
62.5°	1557.3	1335.3	393.5	84.7	70.4	61.2	55.7	52.3	50.0	48.6	48.4
65°	1715.3	1502.0	483.1	91.0	70.6	58.0	51.0	48.0	46.1	44.3	44.1
67.5°	*1849.4*	*1594.1*	*420.3*	*103.9*	*74.9*	*54.1*	*46.3*	*43.3*	*41.6*	*40.4*	*40.2*
70°	1755.5	1453.6	238.4	111.8	80.8	50.0	41.0	39.0	37.4	36.5	36.3
72.5°	1501.2	1230.8	159.4	98.8	73.7	44.7	36.1	34.5	33.3	32.2	32.0
75°	1216.1	976.0	121.9	81.0	57.4	36.3	31.0	29.8	28.6	27.6	27.4
77.5°	719.5	563.9	89.8	64.1	40.4	28.4	25.7	24.7	23.5	22.7	22.5
80°	229.6	195.9	56.9	44.1	26.7	21.8	19.8	19.0	17.8	16.7	16.5
82.5°	87.6	75.7	30.2	22.5	17.8	14.9	13.3	12.5	11.6	10.6	10.4
85°	38.8	36.3	16.7	12.0	9.6	7.3	6.5	6.1	5.1	4.3	4.1
87.5°	13.7	13.7	7.1	3.5	2.0	1.0	0.6	0.2	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

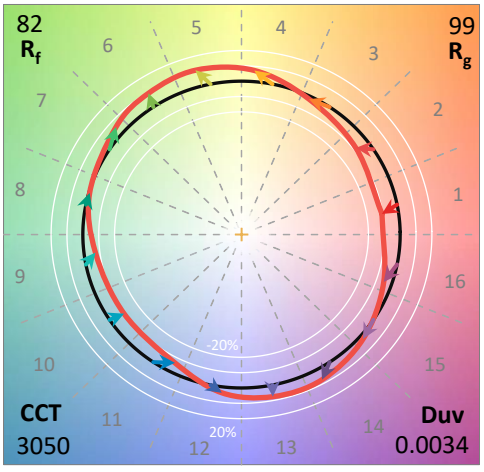
Test Information

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

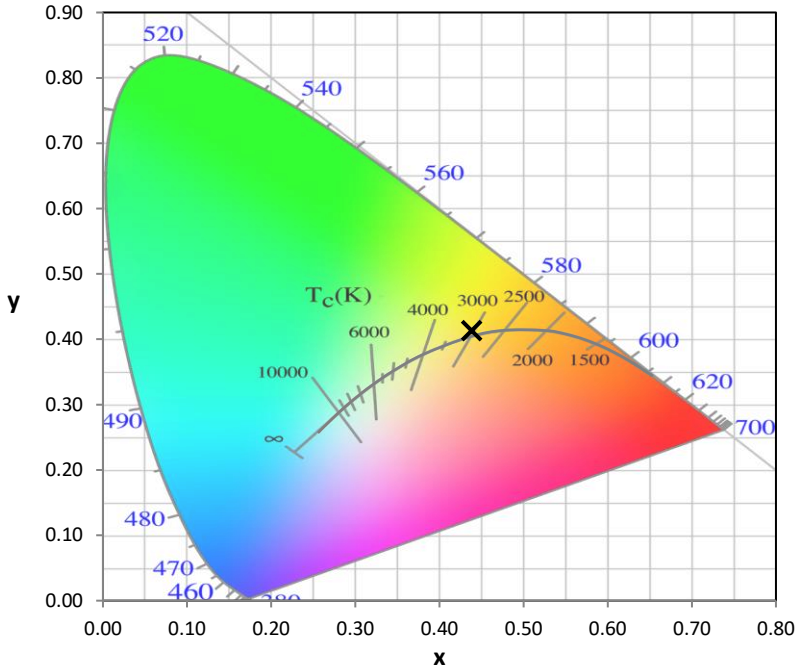
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

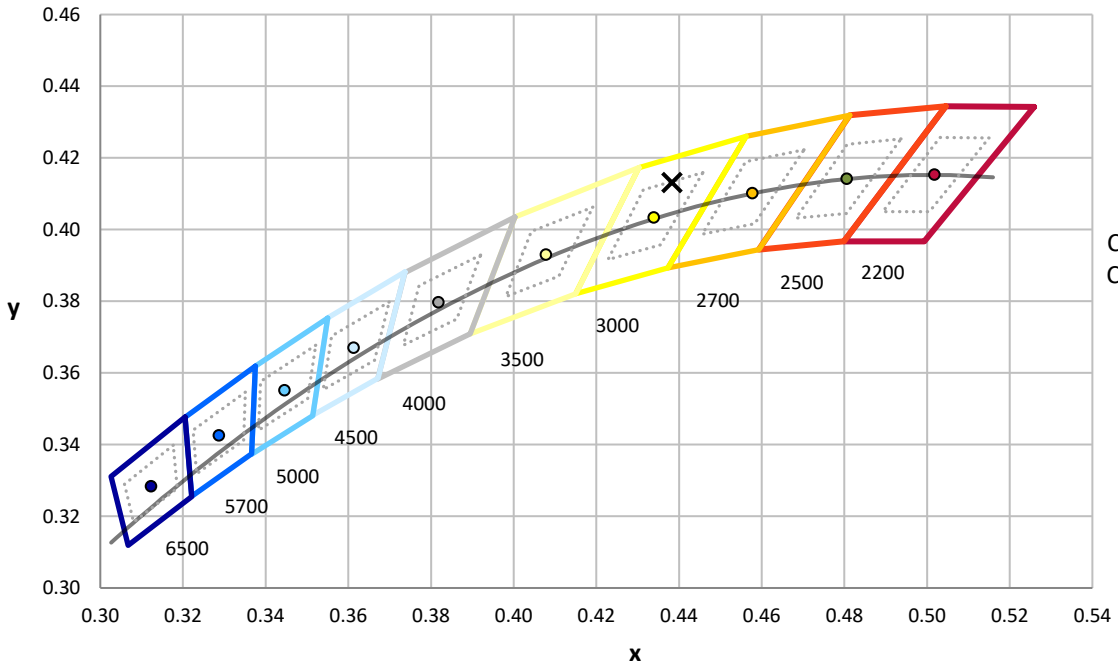
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

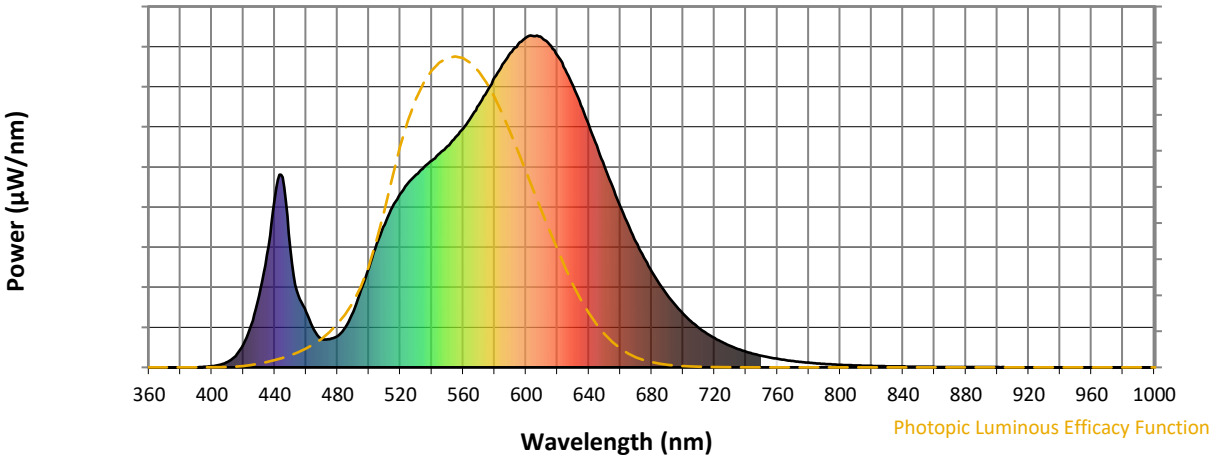


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

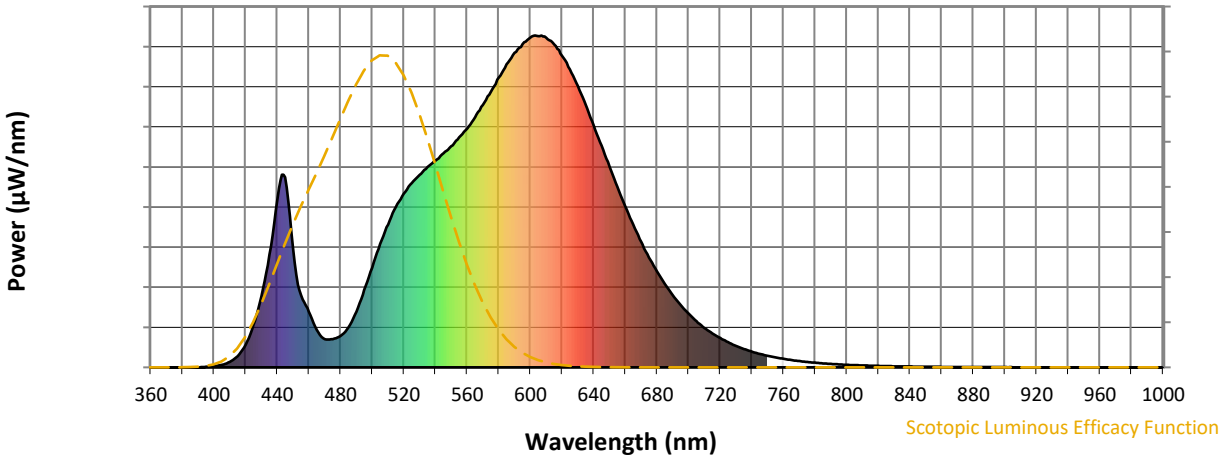


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

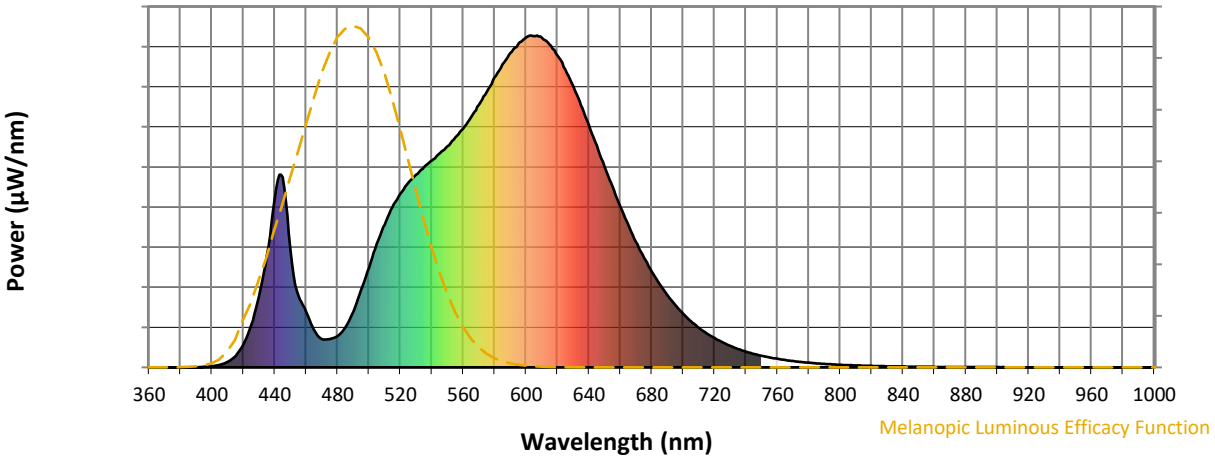


Scotopic Lumens: NR **S/P: 1.27**

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			

REPORT NUMBER: SP1-2408-195-9

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			

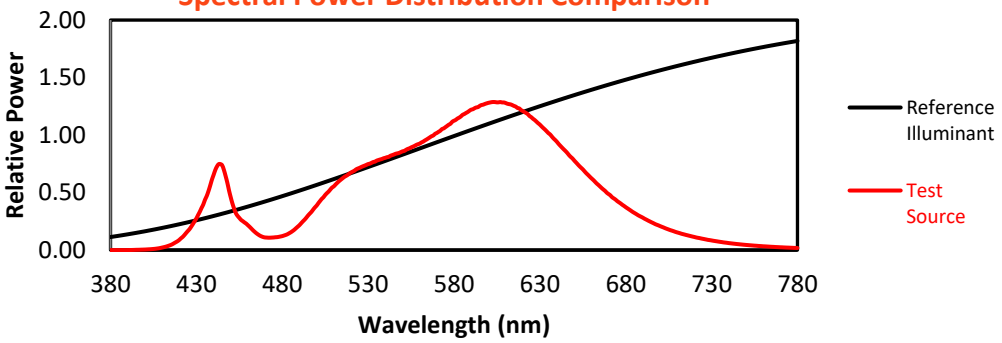
REPORT NUMBER: SP1-2408-195-9

TM-30-18

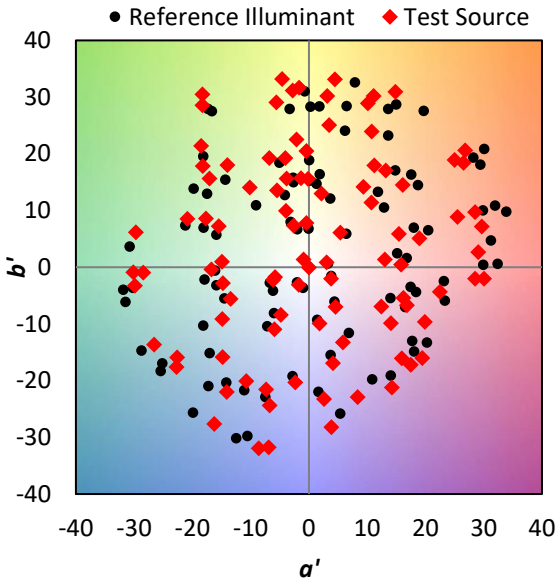
Summary

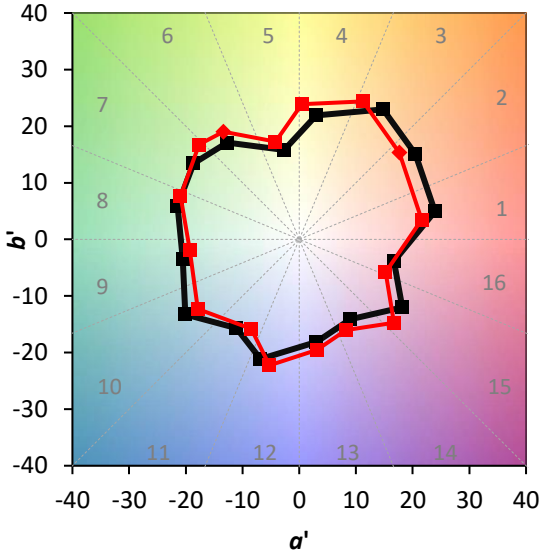
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

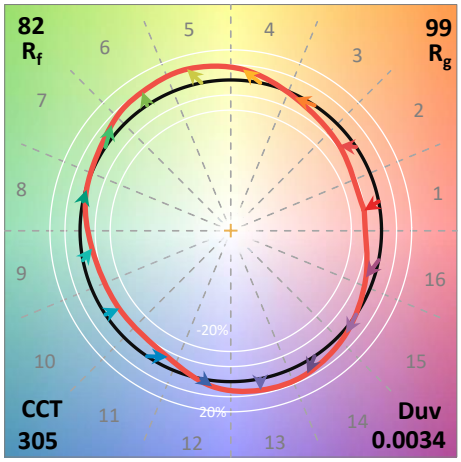
Spectral Power Distribution Comparison

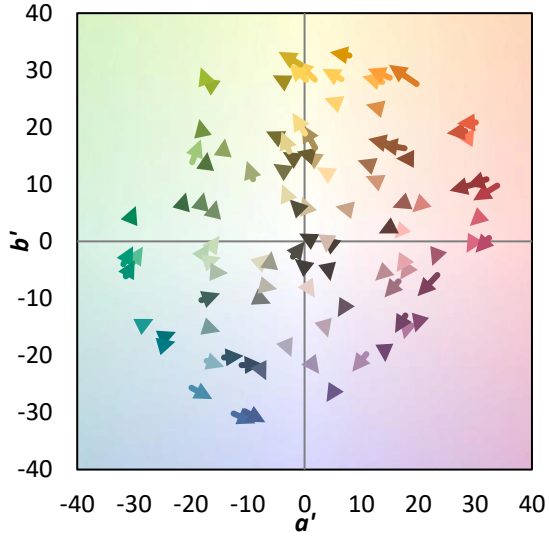


Color Vector Graphics







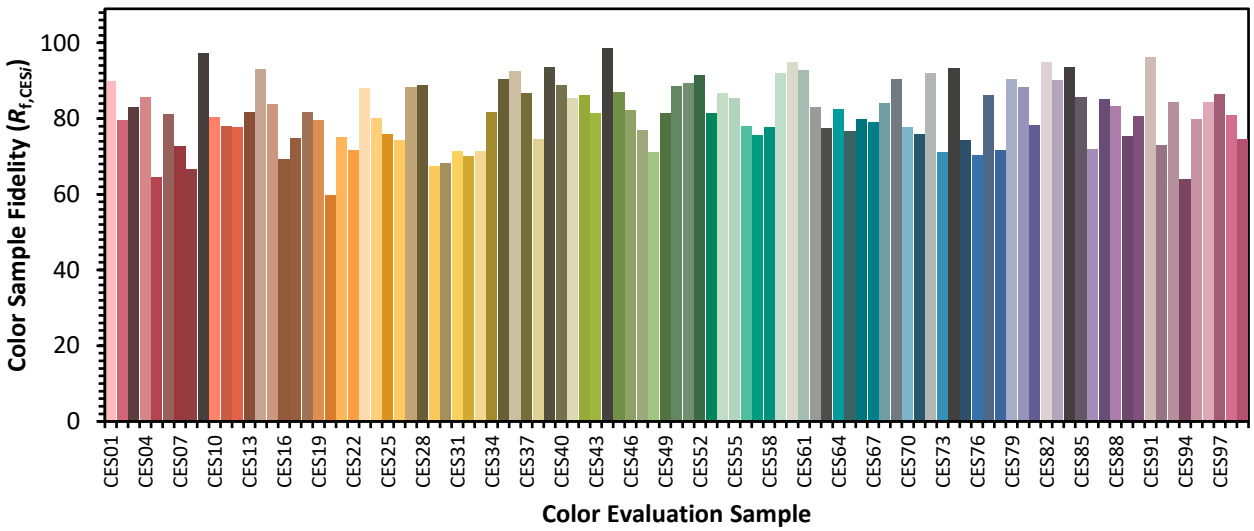


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

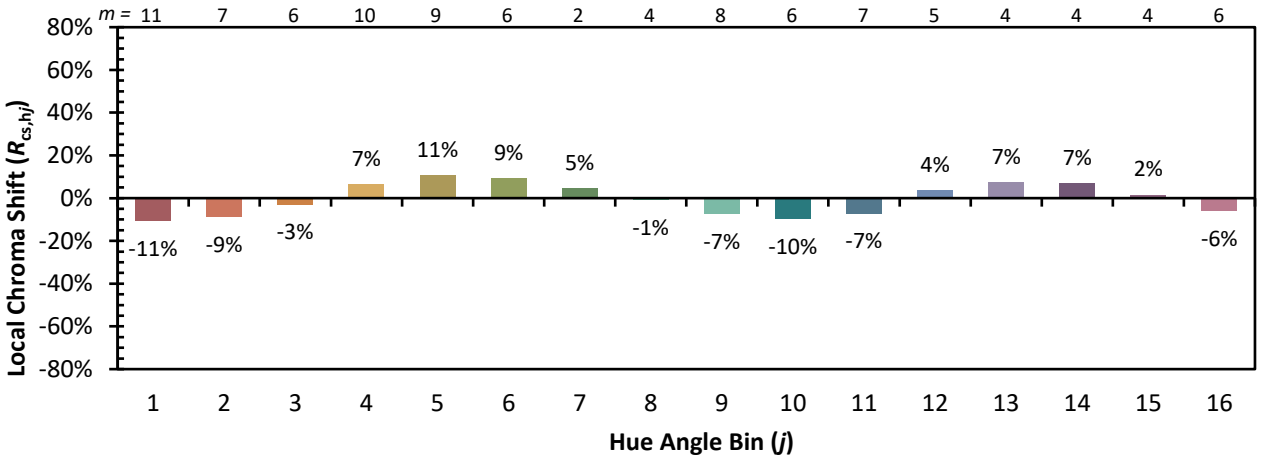
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

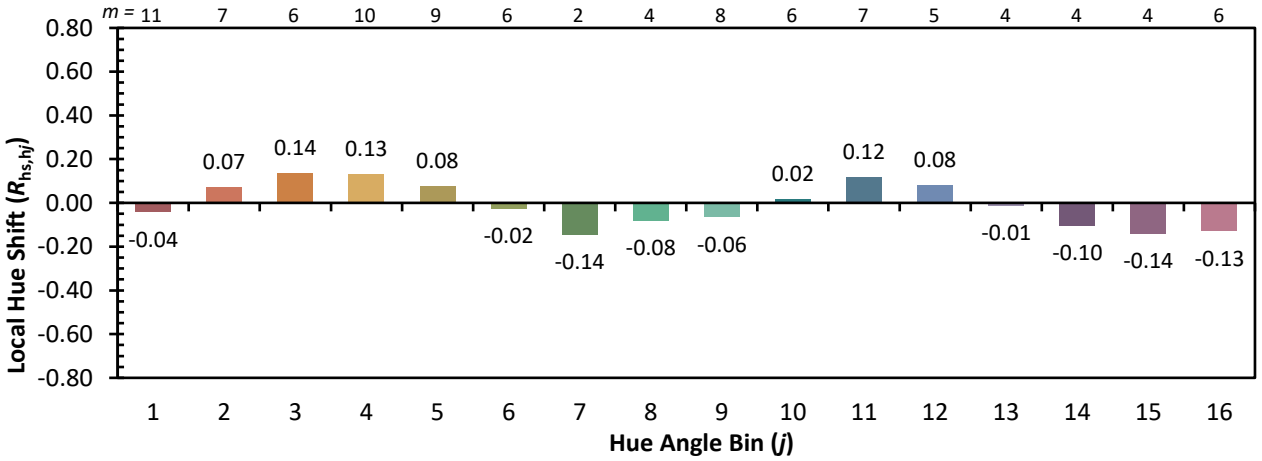


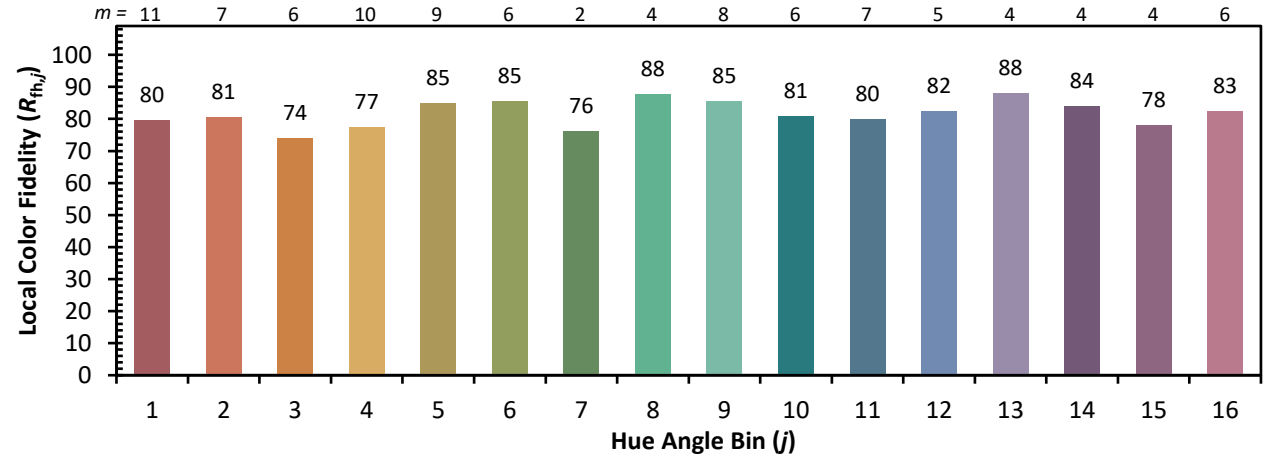
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



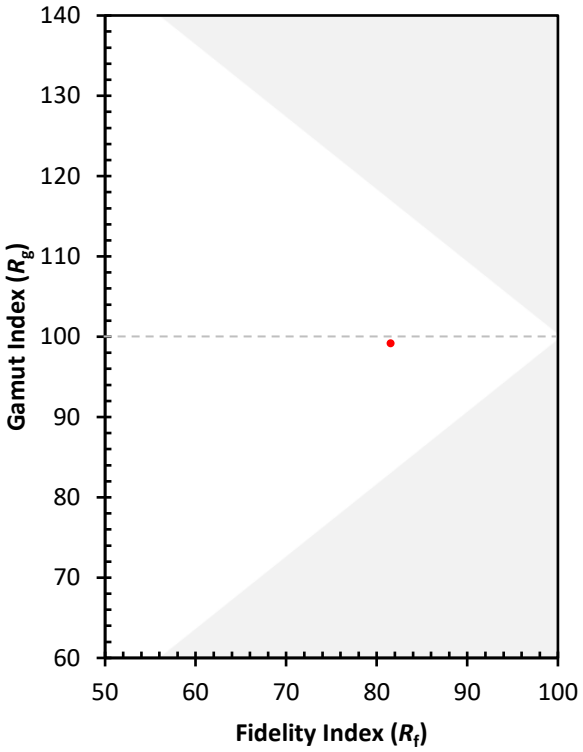


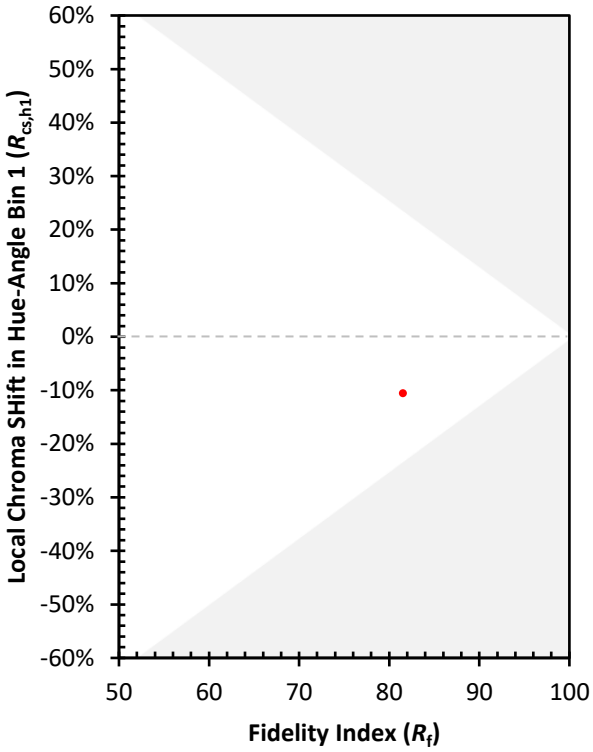


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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