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: P438617

Luminaire Tested: **ISW-SA1D-830-U-SL2**

Issue Date: 12/10/2020

Report Generated By 670245982

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:	P438617
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-14)
Test Lab:	INNOVATION CENTER
Issue Date:	12/10/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	ISW-SA1D-830-U-SL2
Description:	IMPACT ELITE LED WEDGE LUMINAIRE
	(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4487 lumens
Efficiency:	N/A
Efficacy:	99.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	45.2
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:	28.75 FT

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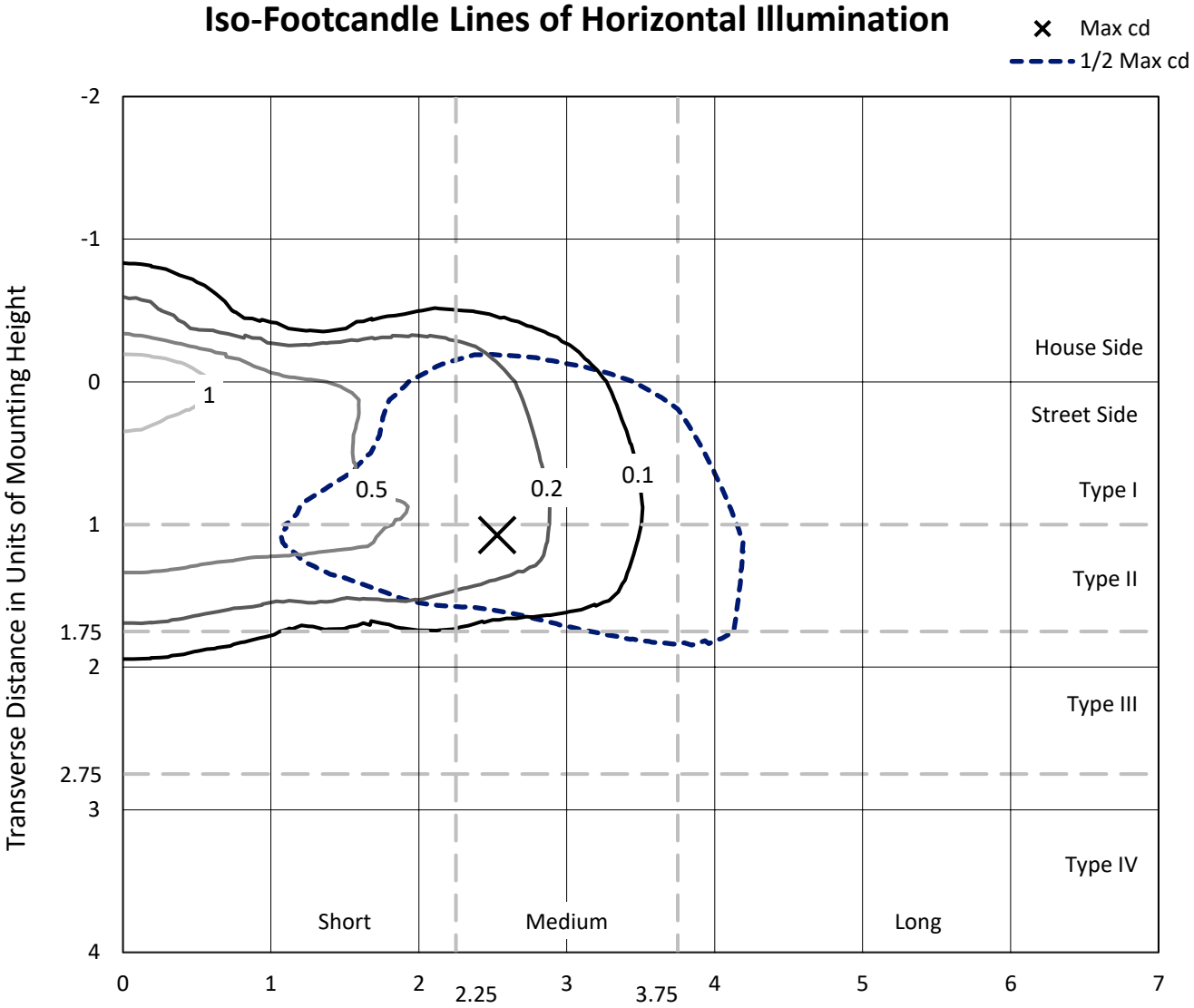
REPORT NUMBER: P438617
CATALOG NUMBER: ISW-SA1D-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type III - Medium - N/A

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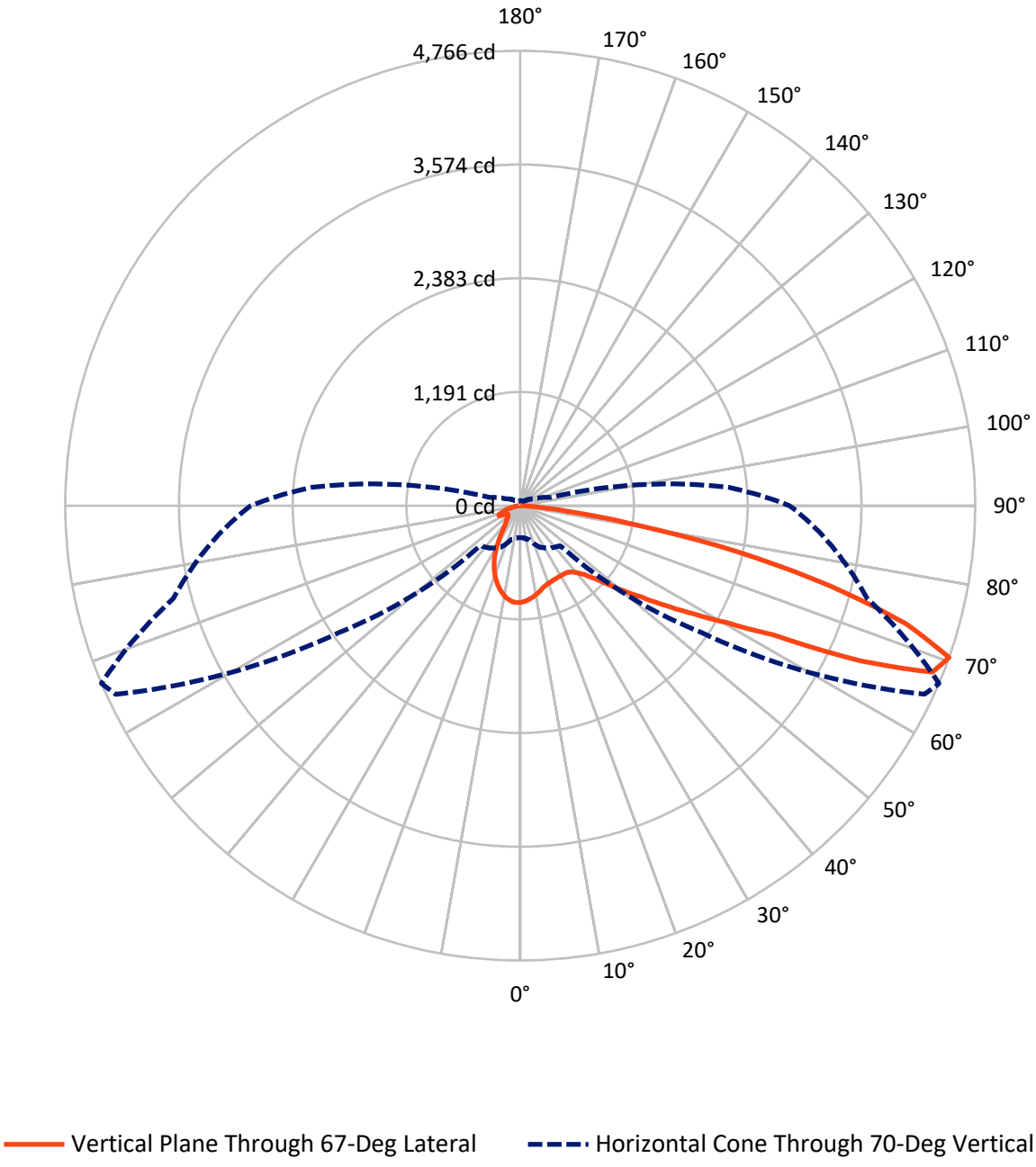
Luminous Intensity Polar Plot



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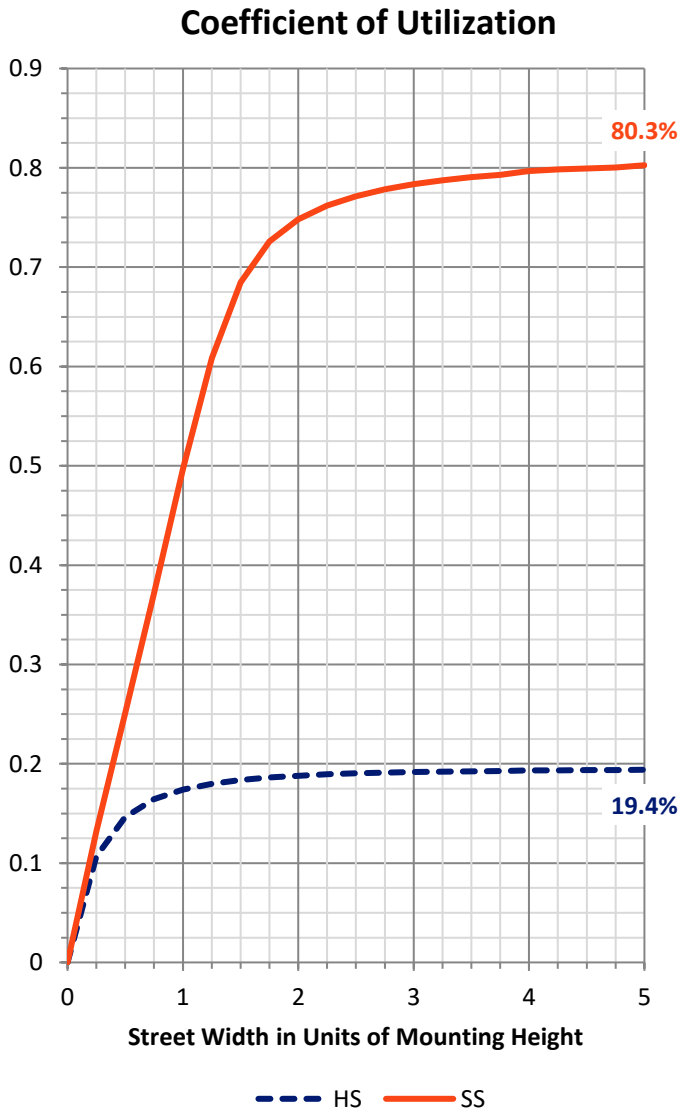
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	878.8	0.0	878.8
	% Fixture	19.6	0.0	19.6
Street Side	Lumens	3608.2	0.0	3608.2
	% Fixture	80.4	0.0	80.4
Total	Lumens	4487.0	0.0	4487.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	2.0
10°-20°	215.3	4.8
20°-30°	296.8	6.6
30°-40°	400.9	8.9
40°-50°	594.8	13.3
50°-60°	915.5	20.4
60°-70°	1132.0	25.2
70°-80°	758.3	16.9
80°-90°	84.5	1.9
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°	4487.0	100.0
0°-180°	4487.0	100.0



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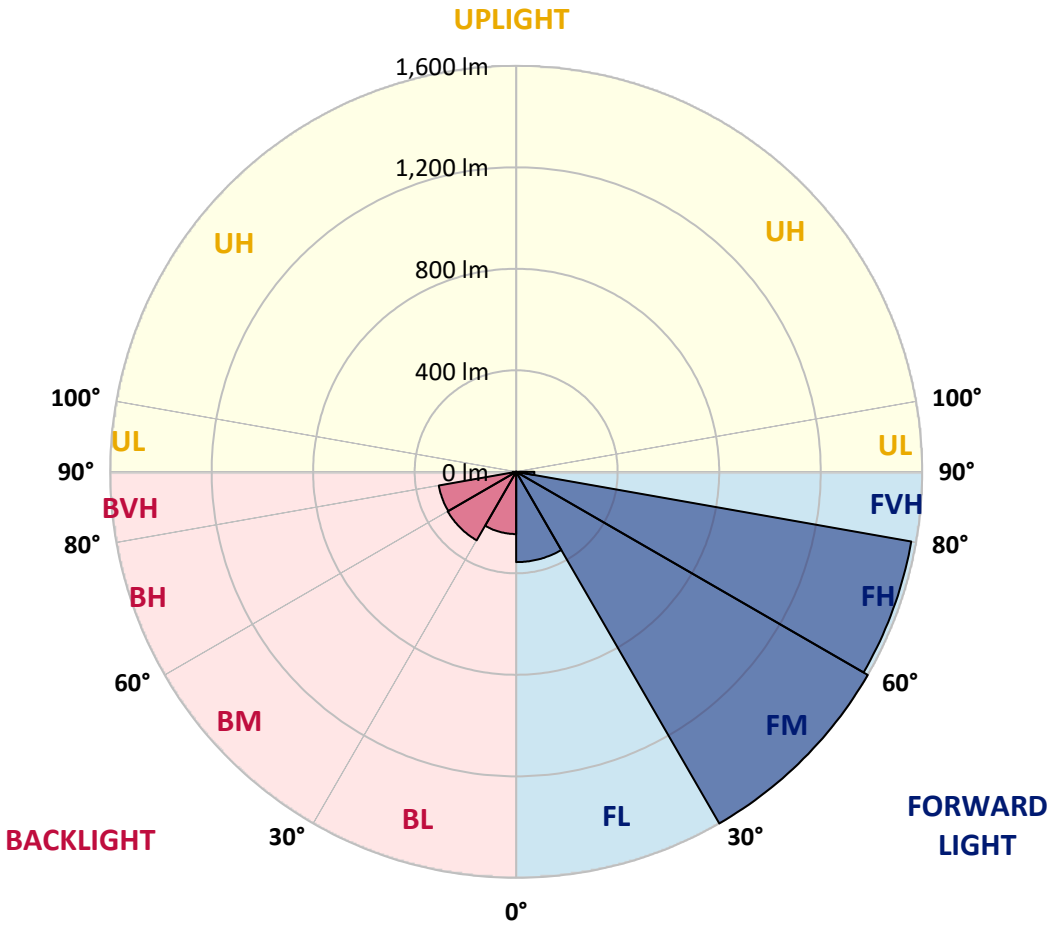
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	355.9	7.9			
FM	(30°-60°)	1599.7	35.7			
FH	(60°-80°)	1580.7	35.2			G1/1800
FVH	(80°-90°)	71.9	1.6			G1/100
BL	(0°-30°)	245.2	5.5	B1/500		
BM	(30°-60°)	311.5	6.9	B1/1000		
BH	(60°-80°)	309.5	6.9	B1/500		G1/500
BVH	(80°-90°)	12.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2	*1013.2*	1013.2	1013.2
2.5°	958.0	964.5	966.1	971.0	977.5	984.0	992.1	1001.8	*1003.5*	1008.3	1018.1
5°	893.0	896.3	899.5	909.3	920.6	941.8	962.9	982.4	*985.6*	1001.8	1019.7
7.5°	833.0	841.1	842.7	850.8	868.7	894.7	923.9	958.0	*967.7*	990.5	1018.1
10°	789.1	794.0	797.2	811.9	826.5	855.7	891.4	933.6	*943.4*	977.5	1016.4
12.5°	753.4	761.5	766.4	776.1	798.9	824.8	860.6	906.0	*919.0*	961.2	1010.0
15°	733.9	740.4	742.0	753.4	771.3	797.2	831.3	883.3	*893.0*	945.0	1010.0
17.5°	729.0	730.7	732.3	738.8	753.4	774.5	810.2	863.8	*875.2*	938.5	1010.0
20°	738.8	738.8	738.8	735.5	746.9	763.1	798.9	847.6	*863.8*	932.0	1014.8
22.5°	761.5	763.1	758.3	750.2	745.3	756.7	787.5	842.7	*857.3*	930.4	1024.6
25°	794.0	795.6	792.4	781.0	758.3	756.7	782.6	837.8	*850.8*	928.8	1022.9
27.5°	837.8	847.6	837.8	824.8	795.6	769.6	787.5	834.6	*849.2*	928.8	1026.2
30°	899.5	906.0	901.2	880.1	842.7	797.2	794.0	837.8	*849.2*	927.1	1024.6
32.5°	961.2	962.9	967.7	953.1	907.7	837.8	811.9	841.1	*850.8*	925.5	1019.7
35°	1008.3	1018.1	1039.2	1040.8	987.2	896.3	849.2	854.1	*857.3*	930.4	1014.8
37.5°	1068.4	1071.7	1105.8	1131.7	1084.6	977.5	901.2	878.4	*880.1*	946.6	1022.9
40°	1123.6	1136.6	1183.7	1216.2	1199.9	1086.3	972.6	922.3	*925.5*	975.9	1042.4
42.5°	1206.4	1216.2	1264.9	1310.3	1315.2	1209.7	1071.7	997.0	*988.8*	1032.7	1084.6
45°	1279.5	1290.9	1352.6	1419.1	1441.9	1349.3	1195.1	1099.3	*1086.3*	1128.5	1162.6
47.5°	1381.8	1401.3	1450.0	1526.3	1602.6	1519.8	1352.6	1238.9	*1227.5*	1256.8	1266.5
50°	1479.2	1490.6	1531.2	1623.7	1758.5	1734.1	1545.8	1420.8	*1402.9*	1407.8	1430.5
52.5°	1493.8	1498.7	1540.9	1638.3	1891.6	1995.6	1782.8	1625.3	*1592.9*	1597.7	1625.3
55°	1383.4	1402.9	1433.7	1570.1	1901.4	2286.2	2115.7	1894.9	*1844.5*	1826.7	1849.4
57.5°	1154.5	1177.2	1221.0	1362.3	1789.3	2443.7	2661.3	2216.4	*2138.4*	2055.6	2083.2
60°	850.8	875.2	902.8	1040.8	1505.2	2468.1	3203.6	2606.1	*2490.8*	2284.6	2299.2
62.5°	652.7	652.7	677.1	733.9	1006.7	2291.1	3521.8	3265.3	*2982.8*	2563.9	2546.0
65°	527.7	534.2	558.6	612.1	636.5	1627.0	3648.5	4223.3	*3922.9*	2898.3	2805.8
67.5°	436.8	438.4	466.0	550.4	556.9	894.7	3309.1	4726.6	*4655.2*	3317.3	3081.8
70°	*334.5*	*336.1*	*368.6*	*479.0*	*542.3*	*592.7*	*2315.4*	*4674.7*	*4765.6*	*3762.2*	*3141.9*
72.5°	222.4	232.2	271.2	380.0	540.7	558.6	1256.8	4088.5	*4220.0*	3935.9	2940.6
75°	138.0	139.6	180.2	263.0	496.9	556.9	738.8	3185.7	*3348.1*	3265.3	2550.9
77.5°	84.4	87.7	107.2	172.1	384.8	558.6	526.1	2192.0	*2326.8*	2143.3	1503.6
80°	52.0	52.0	61.7	103.9	250.1	500.1	453.0	1274.6	*1261.6*	792.4	427.0
82.5°	19.5	21.1	32.5	56.8	126.7	388.1	397.8	576.4	*531.0*	233.8	152.6
85°	3.2	3.2	6.5	17.9	34.1	160.7	220.8	203.0	*170.5*	71.4	63.3
87.5°	0.0	0.0	0.0	1.6	1.6	3.2	4.9	4.9	*4.9*	4.9	6.5
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: P438617
CATALOG NUMBER: ISW-SA1D-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2	1013.2
2.5°	1018.1	1021.3	1019.7	1014.8	1010.0	1006.7	998.6	993.7	995.3	995.3	997.0
5°	1021.3	1026.2	1018.1	1008.3	990.5	971.0	953.1	943.4	930.4	935.3	932.0
7.5°	1026.2	1029.4	1014.8	985.6	954.7	922.3	891.4	863.8	842.7	833.0	839.5
10°	1022.9	1027.8	1000.2	956.4	909.3	857.3	810.2	764.8	735.5	716.1	720.9
12.5°	1021.3	1016.4	979.1	914.2	849.2	777.8	706.3	651.1	602.4	582.9	586.2
15°	1014.8	1011.6	953.1	870.3	781.0	680.3	586.2	514.7	456.3	436.8	443.3
17.5°	1018.1	1008.3	922.3	816.7	695.0	571.5	456.3	386.4	357.2	350.7	349.1
20°	1014.8	997.0	891.4	758.3	604.0	443.3	339.4	302.0	302.0	311.8	313.4
22.5°	1018.1	987.2	857.3	691.7	500.1	332.9	264.7	254.9	269.5	290.6	290.6
25°	1018.1	975.9	820.0	617.0	391.3	253.3	225.7	225.7	245.2	264.7	263.0
27.5°	1011.6	953.1	777.8	537.5	290.6	209.5	198.1	203.0	216.0	232.2	230.6
30°	995.3	930.4	725.8	444.9	220.8	185.1	183.5	185.1	191.6	201.3	199.7
32.5°	980.7	904.4	675.5	345.9	186.7	172.1	170.5	172.1	173.7	177.0	177.0
35°	971.0	881.7	615.4	266.3	168.9	164.0	160.7	160.7	157.5	159.1	159.1
37.5°	959.6	860.6	553.7	207.8	159.1	155.9	152.6	147.8	147.8	144.5	144.5
40°	959.6	844.3	490.4	175.4	152.6	151.0	144.5	138.0	134.8	134.8	134.8
42.5°	985.6	844.3	431.9	160.7	146.1	144.5	136.4	129.9	126.7	126.7	126.7
45°	1029.4	854.1	371.8	151.0	141.3	138.0	128.3	121.8	118.5	118.5	116.9
47.5°	1105.8	894.7	318.2	146.1	136.4	131.5	120.2	113.7	110.4	110.4	110.4
50°	1234.0	975.9	274.4	141.3	131.5	123.4	113.7	107.2	103.9	103.9	102.3
52.5°	1411.0	1097.6	253.3	138.0	125.0	115.3	107.2	100.7	97.4	95.8	95.8
55°	1623.7	1281.1	250.1	136.4	118.5	108.8	100.7	94.2	90.9	89.3	89.3
57.5°	1855.9	1482.5	272.8	133.1	112.0	100.7	94.2	87.7	84.4	82.8	82.8
60°	2080.0	1703.3	345.9	129.9	107.2	94.2	86.1	81.2	77.9	76.3	76.3
62.5°	2339.8	1935.5	506.6	131.5	103.9	87.7	79.6	74.7	73.1	71.4	71.4
65°	2625.6	2201.8	647.9	144.5	105.5	81.2	73.1	69.8	66.6	64.9	64.9
67.5°	2878.9	2373.9	540.7	167.2	115.3	76.3	64.9	63.3	60.1	58.5	60.1
70°	*2822.0*	*2192.0*	*332.9*	*168.9*	*116.9*	*73.1*	*58.5*	*55.2*	*52.0*	*52.0*	*52.0*
72.5°	2573.6	1933.8	232.2	146.1	103.9	64.9	50.3	47.1	45.5	45.5	45.5
75°	2166.0	1594.5	185.1	118.5	81.2	53.6	42.2	40.6	39.0	37.3	37.3
77.5°	1185.3	867.1	138.0	90.9	60.1	40.6	35.7	32.5	30.9	30.9	30.9
80°	347.5	297.1	86.1	64.9	39.0	29.2	27.6	24.4	22.7	22.7	22.7
82.5°	146.1	123.4	52.0	35.7	26.0	19.5	17.9	16.2	14.6	13.0	14.6
85°	56.8	60.1	32.5	21.1	14.6	9.7	8.1	6.5	6.5	4.9	6.5
87.5°	6.5	8.1	6.5	4.9	3.2	1.6	1.6	1.6	1.6	1.6	1.6
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

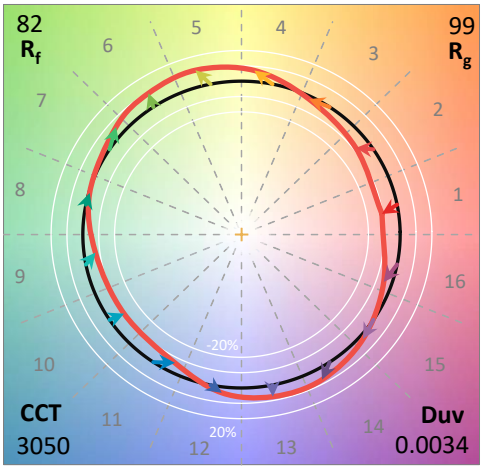
Test Information

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

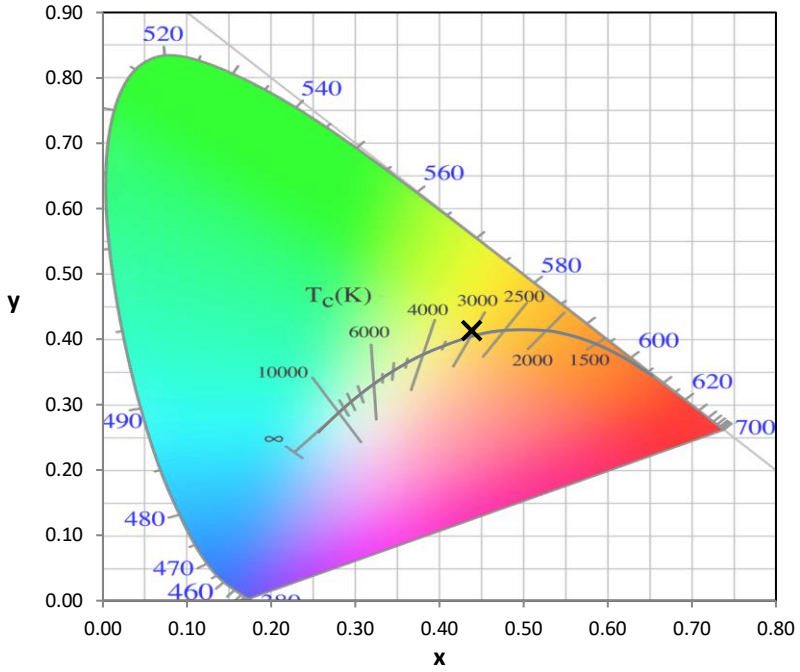
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

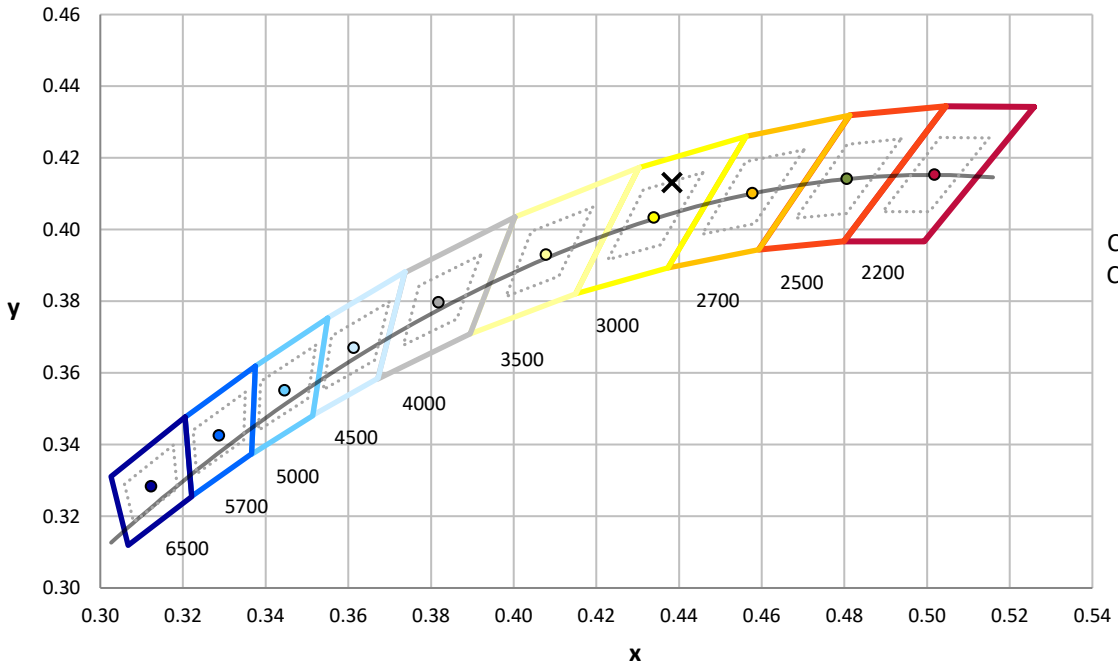
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

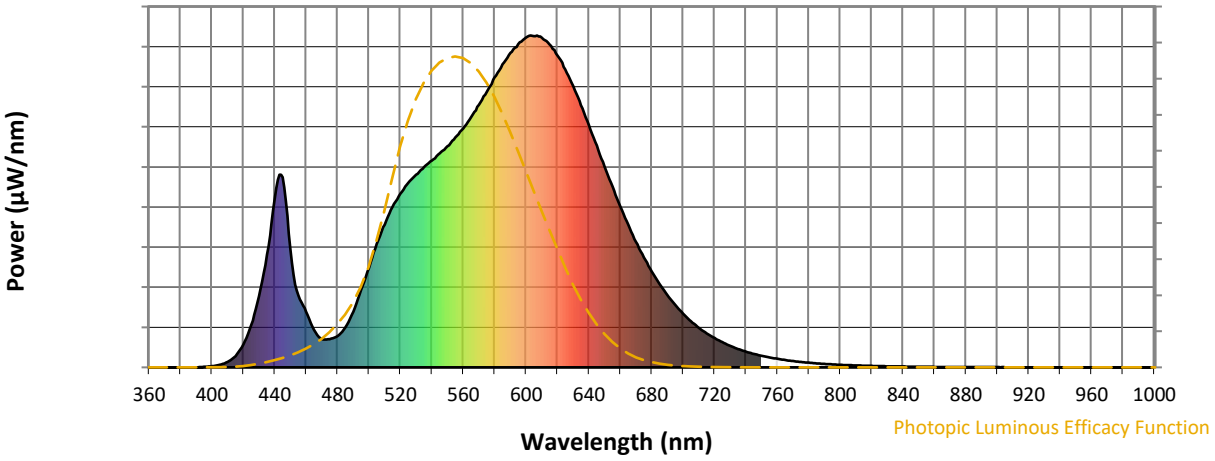


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

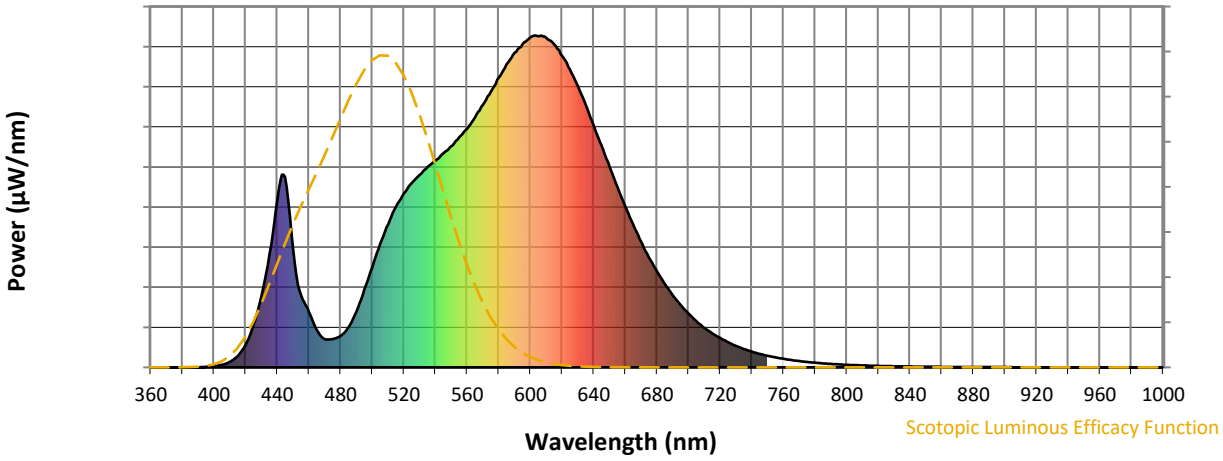


Photopic Lumens: NR

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

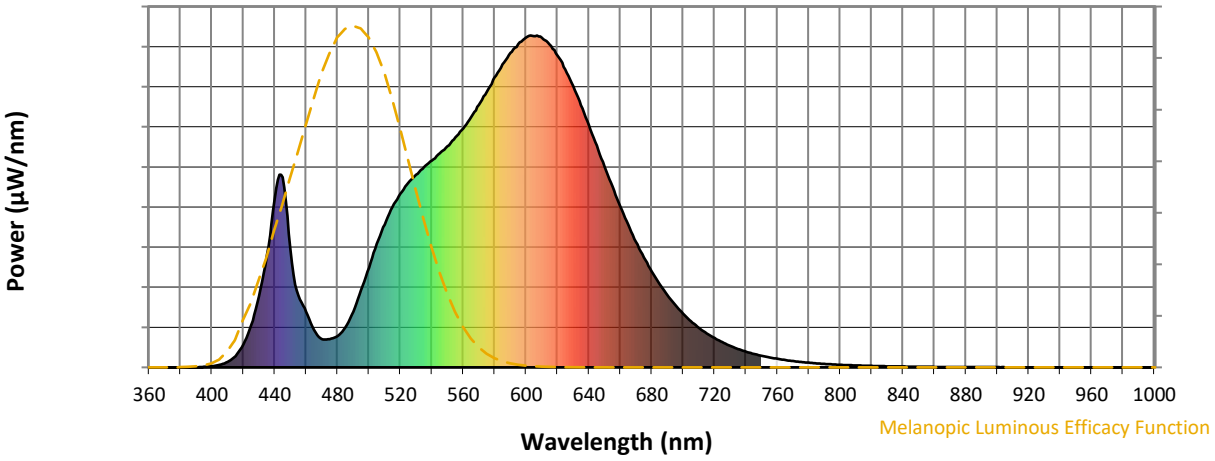


Scotopic Lumens: NR **S/P: 1.27**

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			

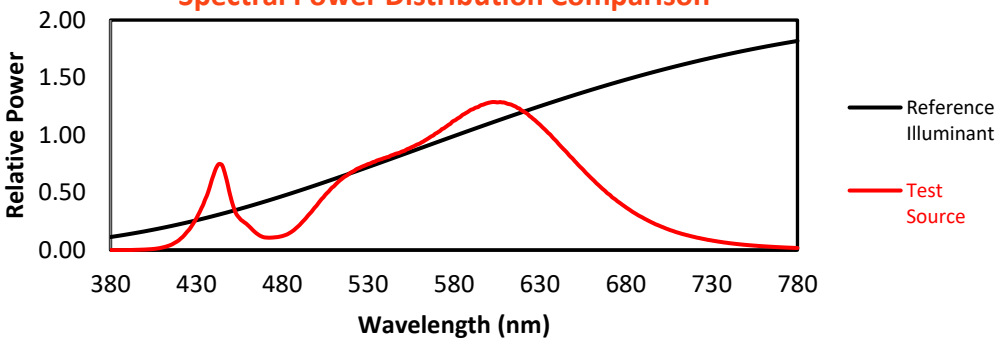
REPORT NUMBER: SP1-2408-195-9

TM-30-18

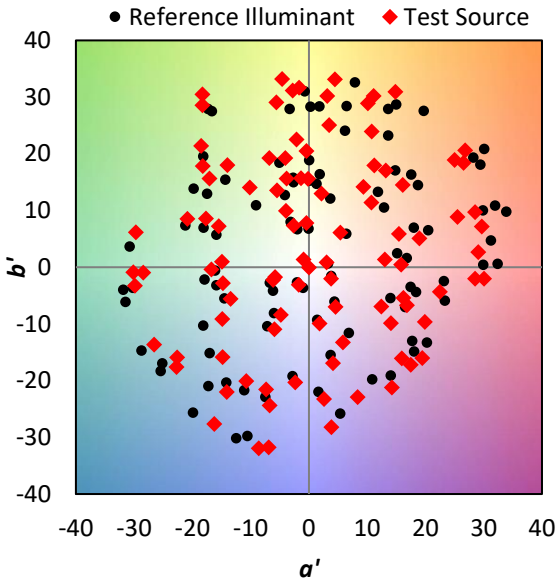
Summary

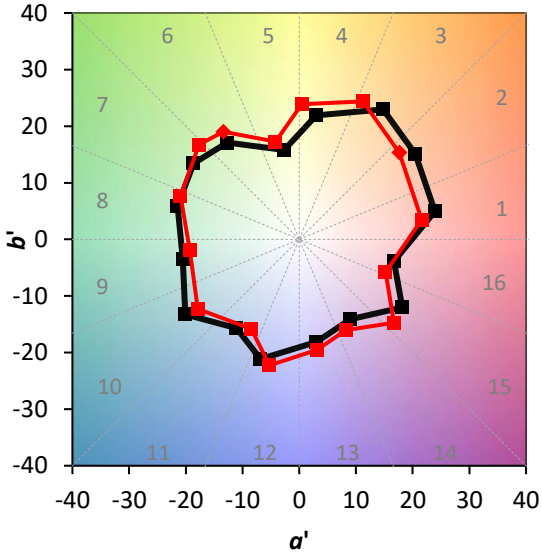
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

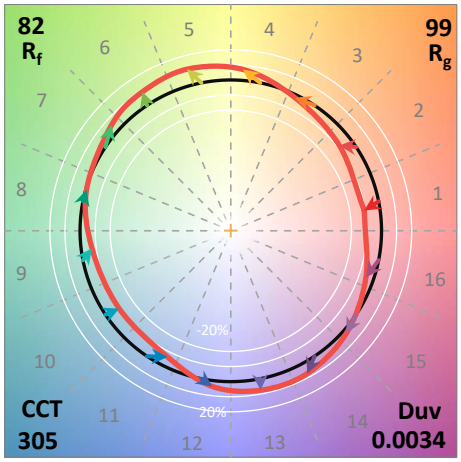
Spectral Power Distribution Comparison

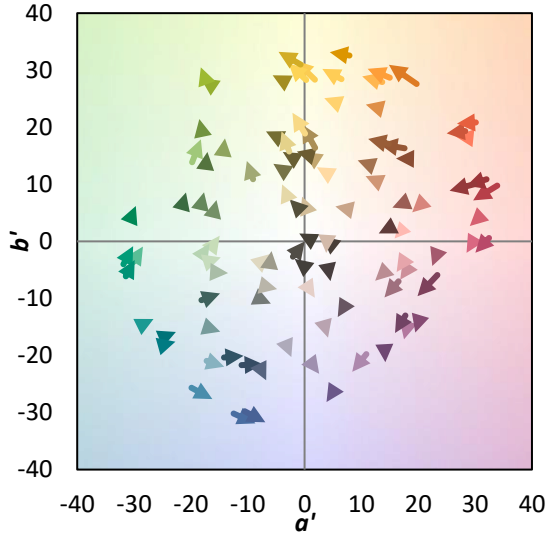


Color Vector Graphics







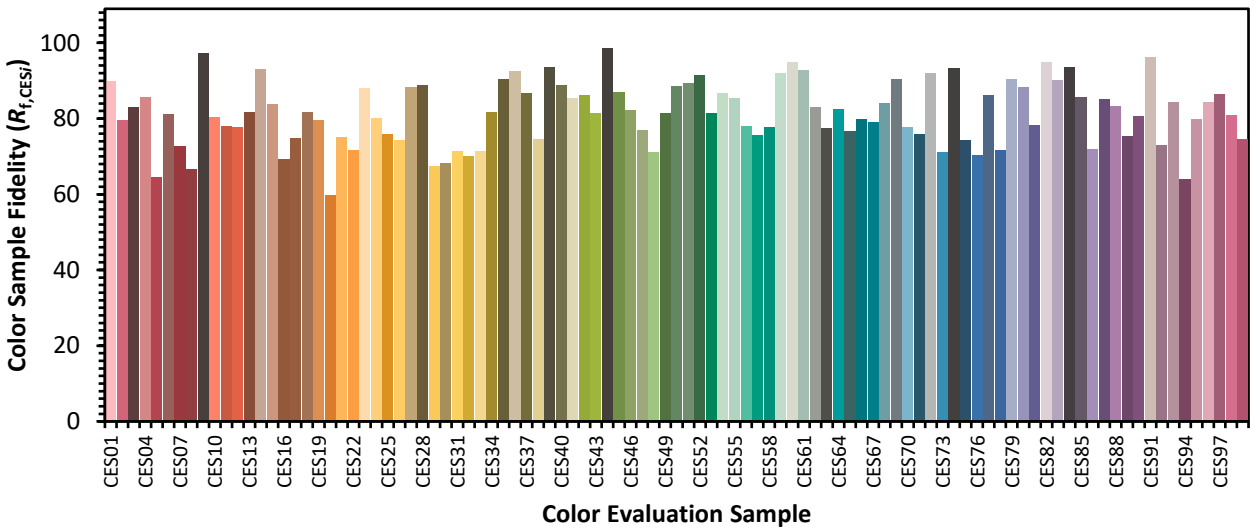


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

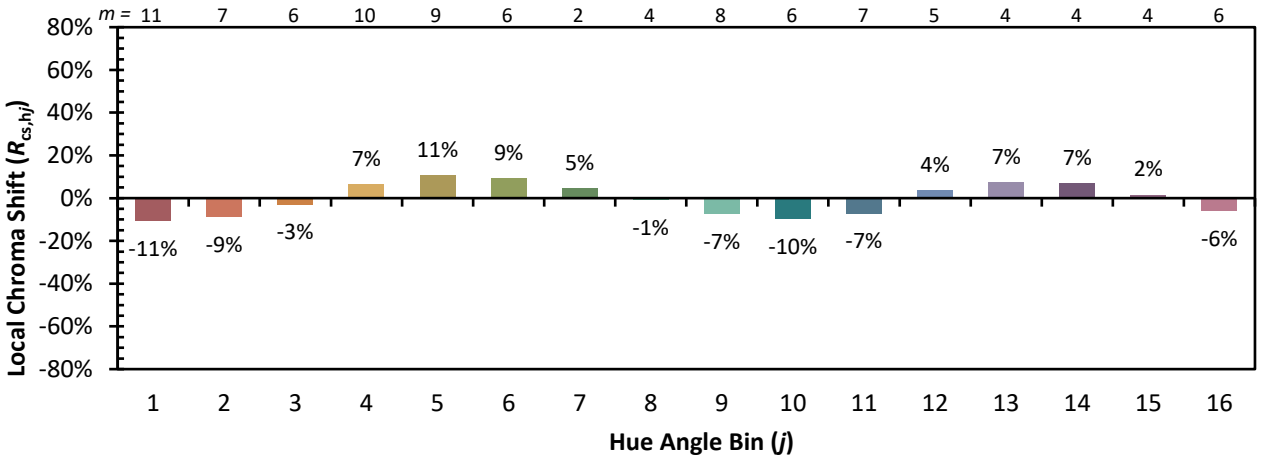
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

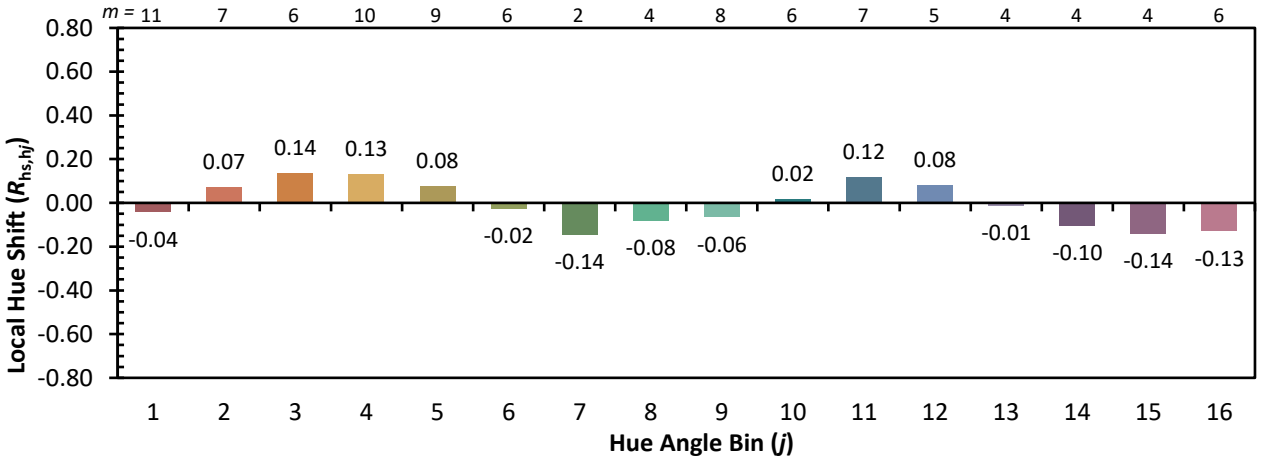


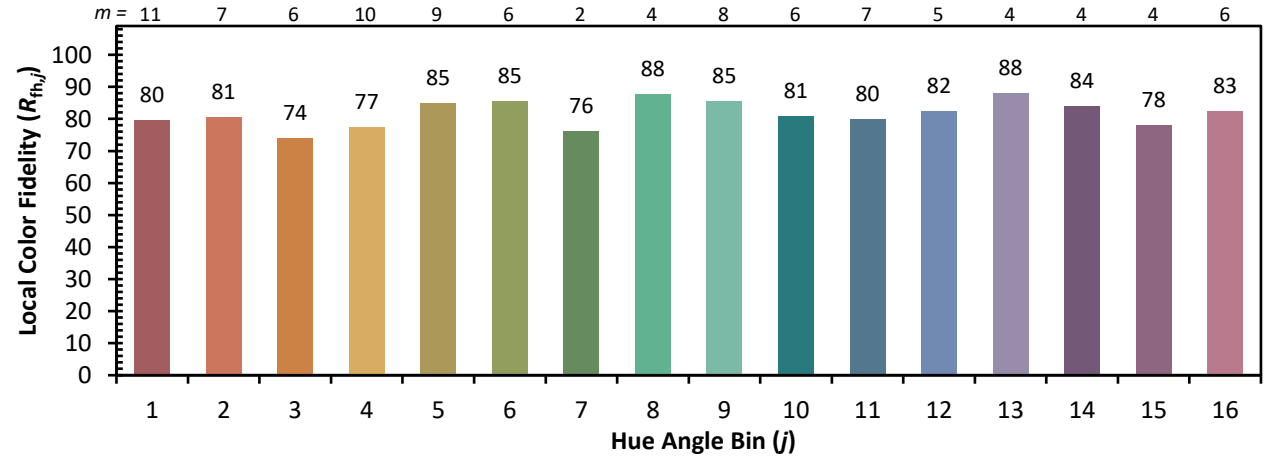
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



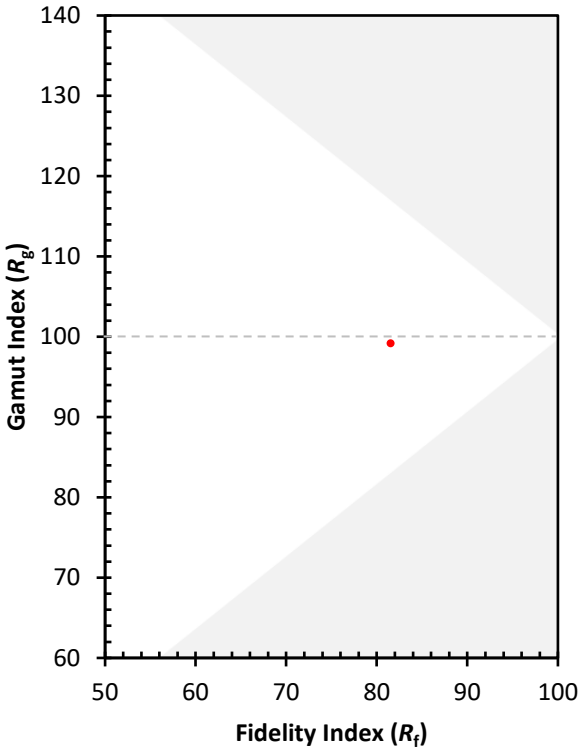


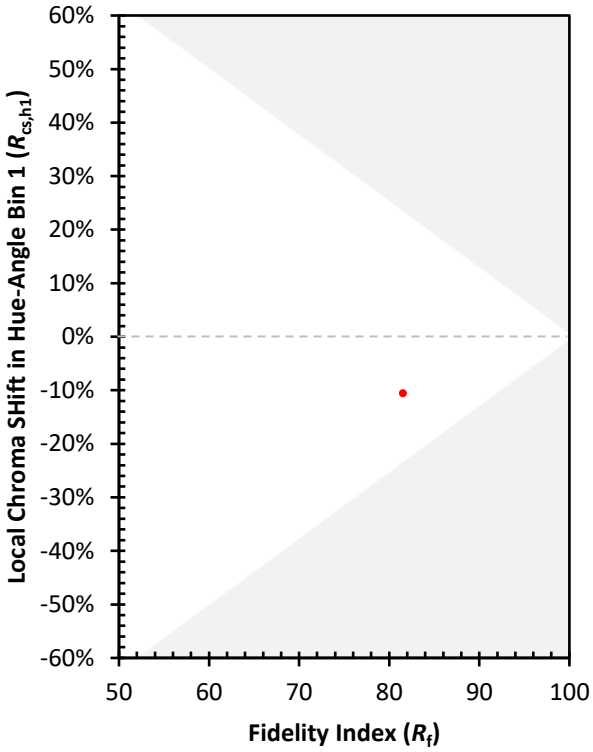


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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