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: P437434

Luminaire Tested: **ISC-SA1C-830-U-T4FT**

Issue Date: 12/9/2020

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:	P437434
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-10)
Test Lab:	INNOVATION CENTER
Issue Date:	12/9/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	ISC-SA1C-830-U-T4FT
Description:	IMPACT ELITE LED CYLINDER LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3603 lumens
Efficiency:	N/A
Efficacy:	105.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G1

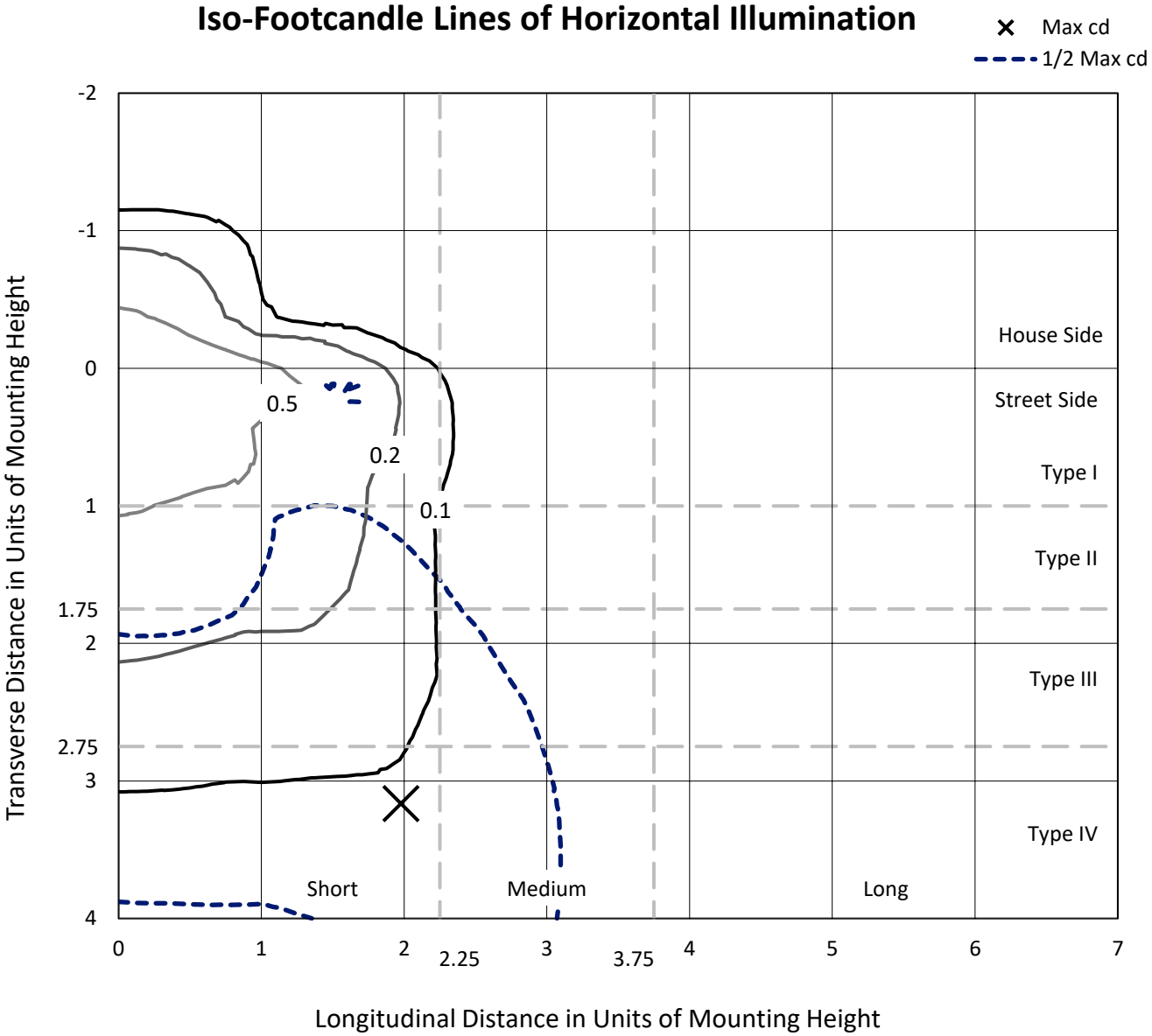
Input Watts (W):	34.2
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P437434
CATALOG NUMBER: ISC-SA1C-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



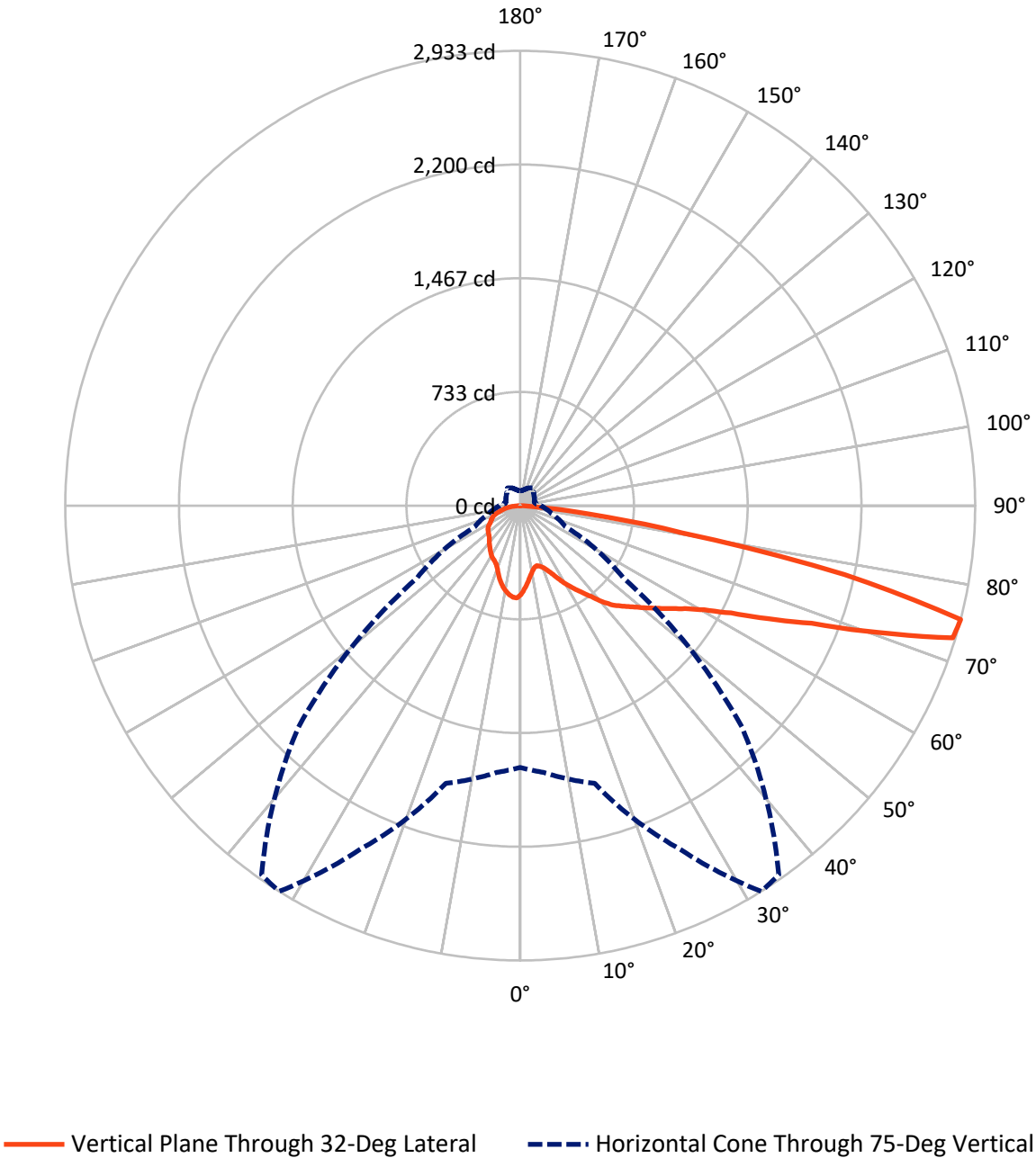
Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P437434
CATALOG NUMBER: ISC-SA1C-830-U-T4FT

Luminous Intensity Polar Plot



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

Scaled Data Report

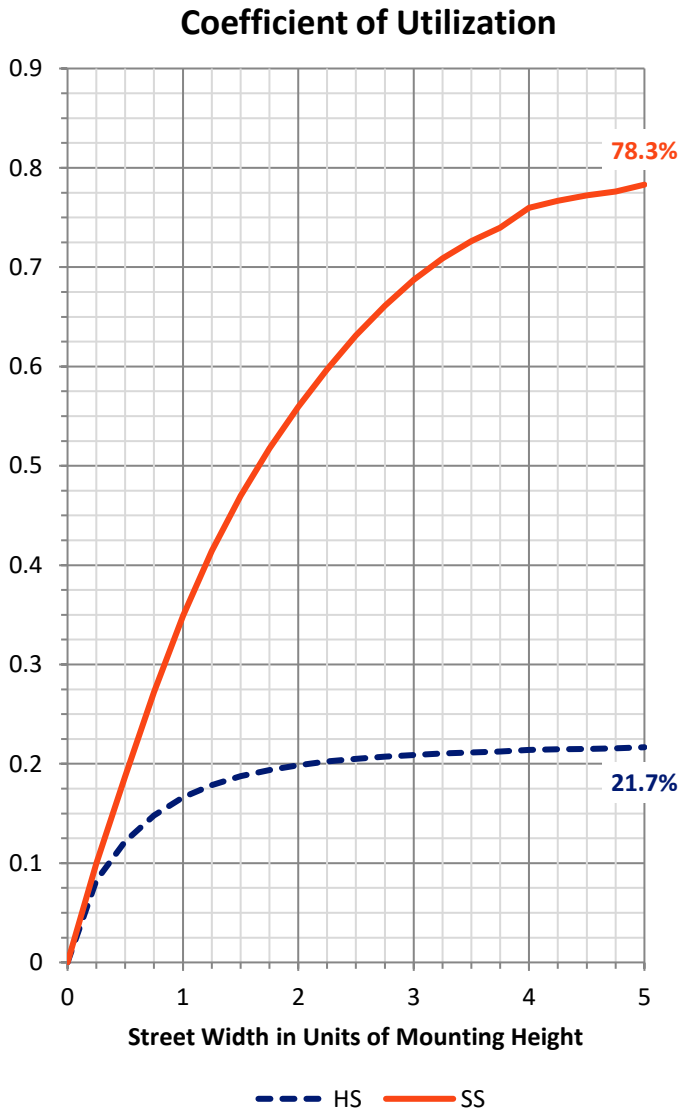
REPORT NUMBER: P437434
CATALOG NUMBER: ISC-SA1C-830-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	789.5	0.0	789.5
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	2813.5	0.0	2813.5
	% Fixture	78.1	0.0	78.1
Total	Lumens	3603.0	0.0	3603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.4
10°-20°	142.4	4.0
20°-30°	235.6	6.5
30°-40°	351.2	9.7
40°-50°	500.0	13.9
50°-60°	687.9	19.1
60°-70°	866.9	24.1
70°-80°	700.8	19.5
80°-90°	66.2	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°	3603.0	100.0
0°-180°	3603.0	100.0



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

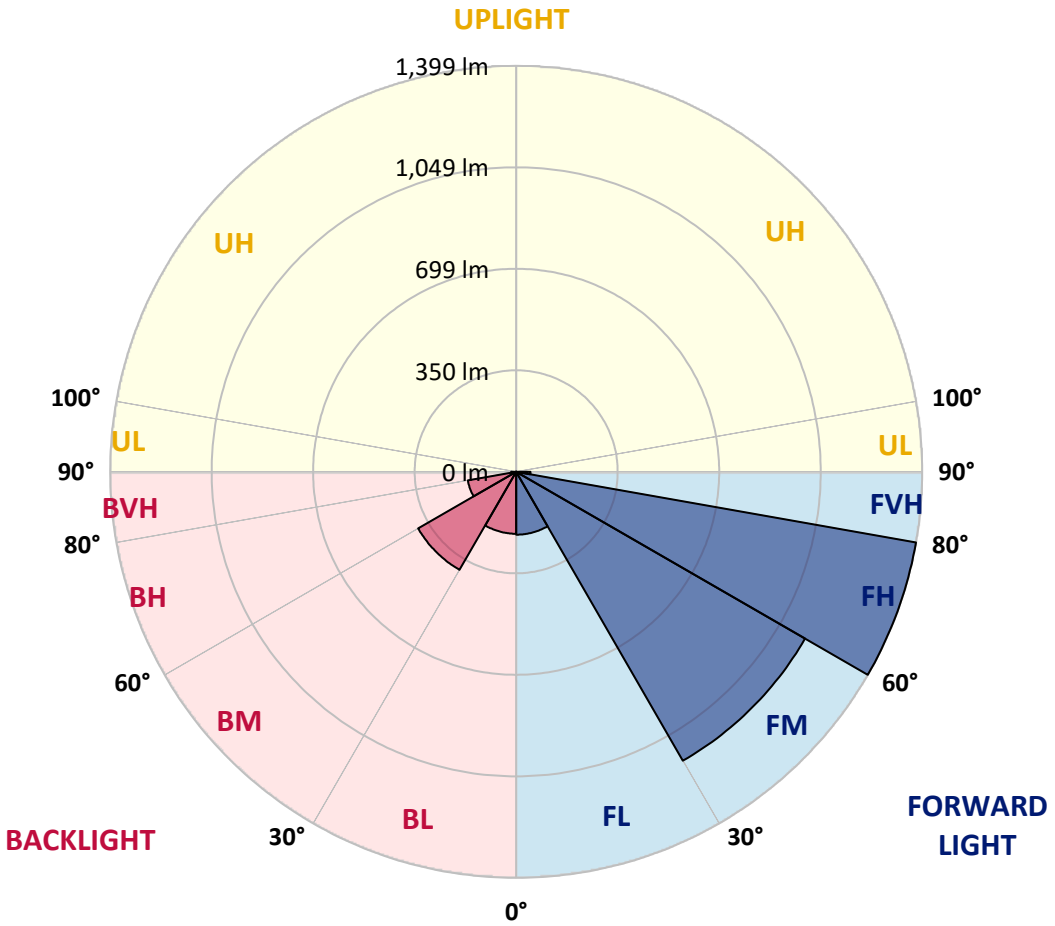
Scaled Data Report

REPORT NUMBER: P437434
CATALOG NUMBER: ISC-SA1C-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	216.6	6.0			
FM	(30°-60°)	1149.1	31.9			
FH	(60°-80°)	1398.6	38.8			G1/1800
FVH	(80°-90°)	49.2	1.4			G1/100
BL	(0°-30°)	213.4	5.9	B1/500		
BM	(30°-60°)	390.0	10.8	B1/1000		
BH	(60°-80°)	169.1	4.7	B1/500		G1/500
BVH	(80°-90°)	17.0	0.5			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 IV Short



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

Scaled Data Report

REPORT NUMBER: P437434
CATALOG NUMBER: ISC-SA1C-830-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	573.6	573.6	573.6	573.6	*573.6*	573.6	573.6	573.6	573.6	573.6	573.6
2.5°	523.8	527.7	529.0	531.7	*536.9*	534.3	540.8	548.7	559.2	564.4	574.9
5°	479.3	479.3	483.2	489.8	*498.9*	498.9	510.7	525.1	543.4	557.8	576.2
7.5°	440.0	440.0	443.9	451.8	*460.9*	467.5	481.9	504.2	529.0	556.5	580.1
10°	407.3	408.6	411.2	419.0	*430.8*	437.4	458.3	483.2	515.9	551.3	584.0
12.5°	395.5	394.2	392.8	399.4	*408.6*	413.8	437.4	468.8	506.8	550.0	591.9
15°	404.6	402.0	398.1	398.1	*402.0*	404.6	424.3	457.0	498.9	548.7	601.1
17.5°	428.2	425.6	416.4	407.3	*409.9*	411.2	424.3	450.5	495.0	553.9	614.2
20°	460.9	457.0	441.3	429.5	*426.9*	426.9	434.8	454.4	497.6	564.4	631.2
22.5°	500.2	496.3	478.0	457.0	*454.4*	453.1	457.0	470.1	505.5	576.2	657.4
25°	552.6	548.7	526.4	500.2	*491.1*	489.8	485.8	493.7	518.6	591.9	675.7
27.5°	608.9	610.2	584.0	548.7	*539.5*	535.6	525.1	523.8	534.3	605.0	707.1
30°	661.3	658.7	631.2	602.4	*589.3*	584.0	567.0	559.2	552.6	624.6	743.8
32.5°	686.2	690.1	677.0	649.5	*639.0*	629.9	610.2	597.1	588.0	654.7	788.3
35°	728.1	729.4	724.2	707.1	*686.2*	679.6	661.3	652.1	632.5	691.4	842.0
37.5°	770.0	773.9	772.6	762.1	*743.8*	737.2	721.5	717.6	678.3	737.2	908.8
40°	832.8	826.3	817.1	821.1	*814.5*	810.6	804.0	790.9	742.5	787.0	974.3
42.5°	900.9	889.2	856.4	866.9	*876.1*	880.0	889.2	874.7	809.3	861.7	1028.0
45°	955.9	946.8	903.6	906.2	*924.5*	937.6	980.8	973.0	895.7	942.8	1100.0
47.5°	987.4	979.5	949.4	962.5	*974.3*	992.6	1076.4	1069.9	976.9	1030.6	1186.4
50°	1031.9	1018.8	990.0	1013.6	*1034.5*	1048.9	1169.4	1166.8	1046.3	1120.9	1284.6
52.5°	1056.8	1043.7	1041.1	1073.8	*1098.7*	1118.3	1268.9	1261.0	1114.4	1211.3	1377.6
55°	1090.8	1093.4	1110.5	1135.3	*1170.7*	1203.4	1365.8	1326.5	1177.2	1300.3	1469.3
57.5°	1165.5	1162.8	1195.6	1207.4	*1253.2*	1295.1	1481.0	1395.9	1229.6	1364.5	1512.5
60°	1265.0	1270.2	1282.0	1312.1	*1361.9*	1426.0	1592.4	1467.9	1263.7	1410.3	1504.6
62.5°	1453.5	1423.4	1418.2	1426.0	*1524.3*	1598.9	1701.0	1532.1	1278.1	1411.6	1422.1
65°	1644.7	1632.9	1592.4	1612.0	*1754.7*	1822.8	1841.2	1574.0	1249.3	1330.5	1238.8
67.5°	1842.5	1841.2	1797.9	1854.3	*2025.8*	2105.7	1997.0	1566.2	1155.0	1140.6	952.0
70°	2045.4	2054.6	2054.6	2214.4	*2448.8*	2469.7	2171.2	1491.5	967.7	808.0	556.5
72.5°	2134.5	2139.7	2186.9	2541.7	*2916.3*	2922.8	2270.7	1266.3	660.0	430.8	280.2
75°	*1687.9*	*1727.2*	*1854.3*	*2447.5*	*2933.3*	*2907.1*	*2023.2*	*810.6*	*322.1*	*214.8*	*155.8*
77.5°	662.6	677.0	935.0	1558.3	*2137.1*	2163.3	1309.5	323.4	163.7	136.2	112.6
80°	187.3	196.4	331.3	619.4	*1055.5*	1166.8	521.2	140.1	110.0	99.5	81.2
82.5°	66.8	76.0	123.1	237.0	*450.5*	475.3	141.4	69.4	70.7	64.2	49.8
85°	9.2	7.9	17.0	43.2	*99.5*	83.8	23.6	18.3	28.8	30.1	21.0
87.5°	0.0	0.0	0.0	1.3	*1.3*	1.3	0.0	0.0	0.0	1.3	1.3
90°	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P437434
CATALOG NUMBER: ISC-SA1C-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6
2.5°	577.5	580.1	585.3	588.0	590.6	595.8	594.5	597.1	597.1	595.8	598.4
5°	582.7	589.3	595.8	598.4	599.8	599.8	593.2	589.3	588.0	586.7	588.0
7.5°	588.0	597.1	603.7	602.4	597.1	588.0	580.1	573.6	567.0	564.4	567.0
10°	597.1	606.3	610.2	601.1	586.7	572.3	560.5	551.3	540.8	539.5	540.8
12.5°	605.0	616.8	616.8	595.8	576.2	556.5	538.2	523.8	510.7	506.8	506.8
15°	618.1	627.3	618.1	589.3	561.8	536.9	510.7	492.4	476.7	470.1	471.4
17.5°	632.5	639.0	615.5	578.8	546.1	513.3	479.3	454.4	442.6	436.1	437.4
20°	649.5	650.8	615.5	565.7	522.5	479.3	442.6	424.3	416.4	412.5	413.8
22.5°	671.8	666.5	611.5	548.7	492.4	445.2	411.2	405.9	405.9	405.9	409.9
25°	695.3	680.9	605.0	526.4	453.1	404.6	391.5	398.1	403.3	403.3	405.9
27.5°	718.9	695.3	591.9	493.7	407.3	375.8	381.1	391.5	396.8	396.8	399.4
30°	747.7	712.4	576.2	449.2	364.0	356.2	369.3	382.4	390.2	390.2	392.8
32.5°	784.4	726.8	552.6	403.3	335.2	339.2	353.6	368.0	377.1	379.8	381.1
35°	825.0	746.4	519.9	352.3	315.6	326.1	337.9	350.9	358.8	361.4	361.4
37.5°	866.9	766.1	476.7	309.0	298.6	313.0	324.8	331.3	336.5	336.5	336.5
40°	908.8	776.5	420.3	275.0	281.5	302.5	313.0	310.4	309.0	305.1	306.4
42.5°	952.0	784.4	360.1	250.1	264.5	290.7	298.6	292.0	281.5	275.0	276.3
45°	999.1	796.2	310.4	231.8	247.5	280.2	288.1	275.0	261.9	251.4	248.8
47.5°	1052.8	815.8	265.8	214.8	237.0	273.7	281.5	263.2	246.2	231.8	229.2
50°	1126.2	845.9	231.8	203.0	230.5	269.8	276.3	252.7	233.1	214.8	213.4
52.5°	1200.8	868.2	208.2	192.5	222.6	261.9	269.8	244.9	221.3	201.7	199.0
55°	1255.8	865.6	187.3	182.0	212.1	251.4	263.2	235.7	205.6	187.3	184.6
57.5°	1279.4	811.9	170.2	172.9	200.4	238.3	252.7	221.3	193.8	178.1	176.8
60°	1238.8	725.5	158.4	162.4	187.3	221.3	233.1	210.8	185.9	171.5	170.2
62.5°	1168.1	628.6	149.3	154.5	174.2	205.6	221.3	197.7	175.5	165.0	163.7
65°	1000.5	522.5	140.1	145.4	162.4	189.9	210.8	189.9	167.6	157.1	155.8
67.5°	755.6	375.8	130.9	136.2	151.9	178.1	201.7	179.4	155.8	148.0	148.0
70°	450.5	230.5	119.2	127.0	138.8	163.7	187.3	165.0	141.4	138.8	136.2
72.5°	220.0	146.7	108.7	115.2	124.4	145.4	166.3	146.7	123.1	116.5	115.2
75°	*132.3*	*106.1*	*94.3*	*102.1*	*108.7*	*121.8*	*140.1*	*125.7*	*107.4*	*96.9*	*95.6*
77.5°	95.6	79.9	79.9	87.7	87.7	100.8	120.5	107.4	90.4	83.8	82.5
80°	68.1	60.2	65.5	70.7	68.1	85.1	102.1	90.4	73.3	68.1	66.8
82.5°	44.5	41.9	49.8	48.5	48.5	65.5	83.8	68.1	53.7	44.5	41.9
85°	18.3	21.0	28.8	27.5	27.5	36.7	43.2	35.4	24.9	19.6	19.6
87.5°	0.0	1.3	3.9	2.6	2.6	3.9	1.3	1.3	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

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

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

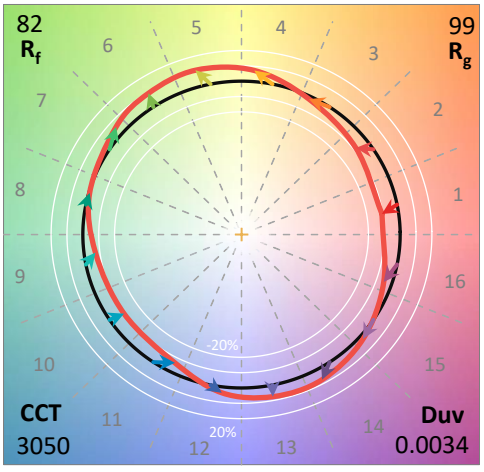
Test Information

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

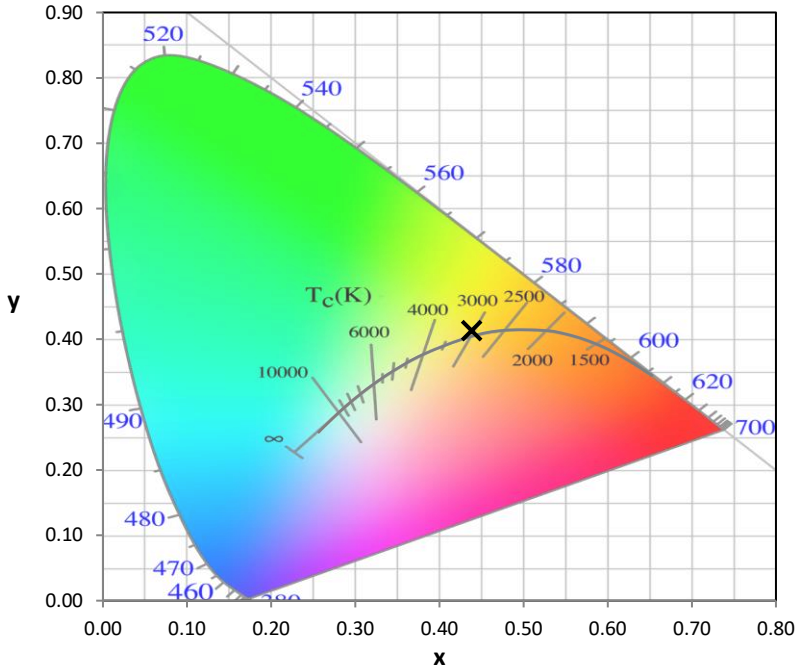
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

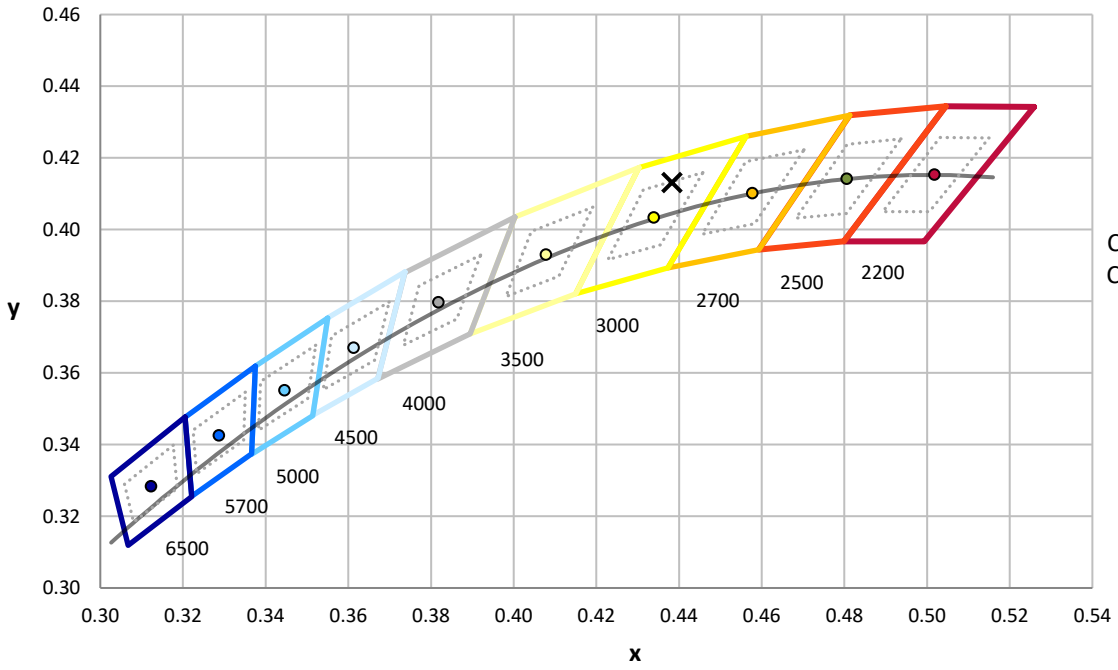
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

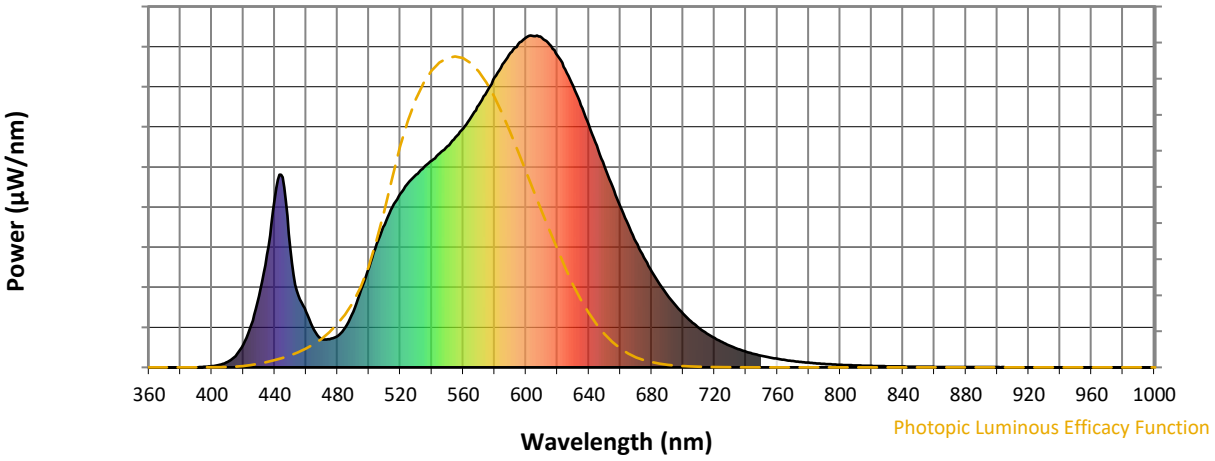


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

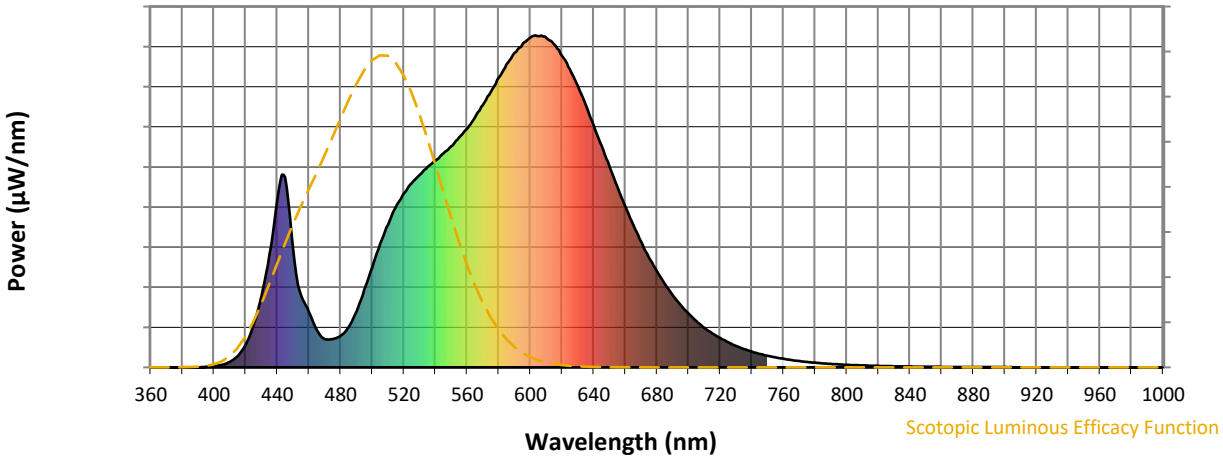


Photopic Lumens: NR

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

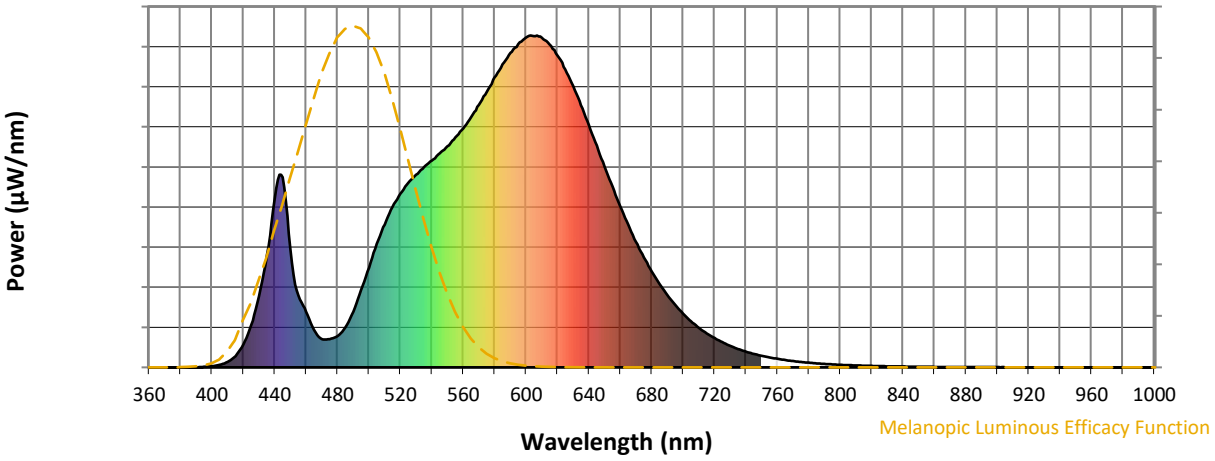


Scotopic Lumens: NR **S/P: 1.27**

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			

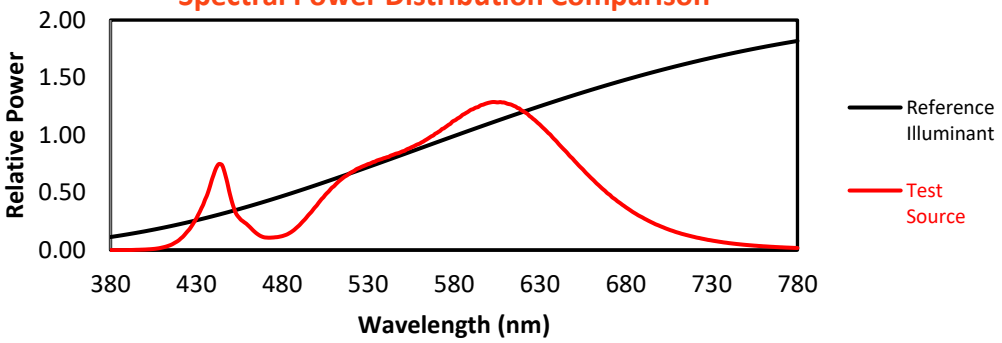
REPORT NUMBER: SP1-2408-195-9

TM-30-18

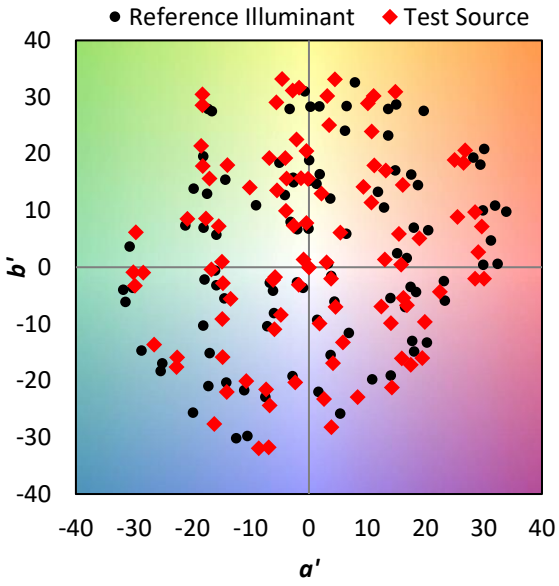
Summary

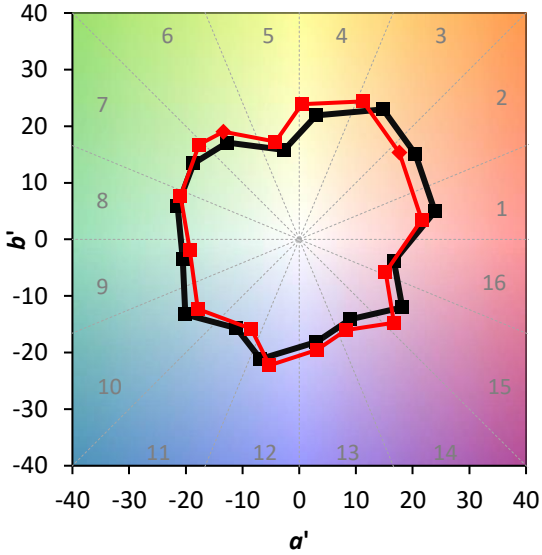
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

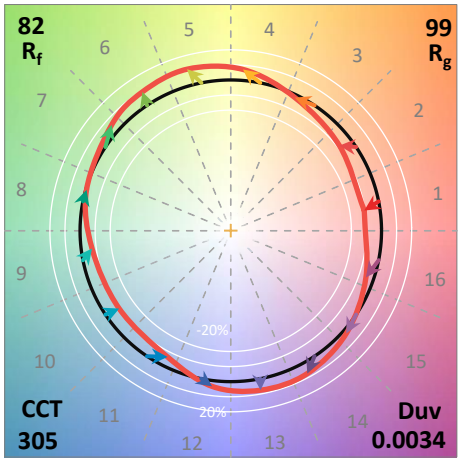
Spectral Power Distribution Comparison

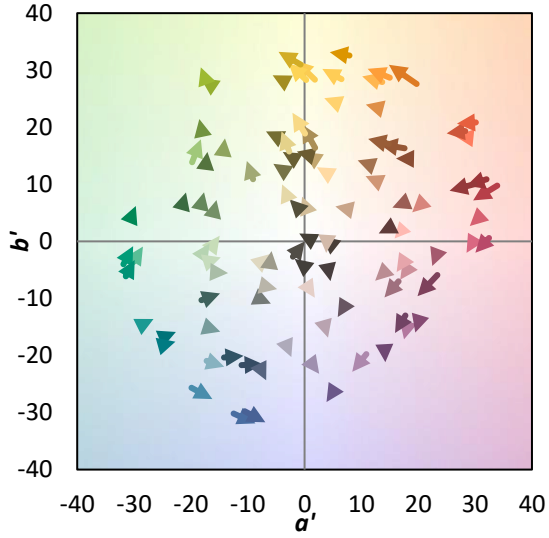


Color Vector Graphics







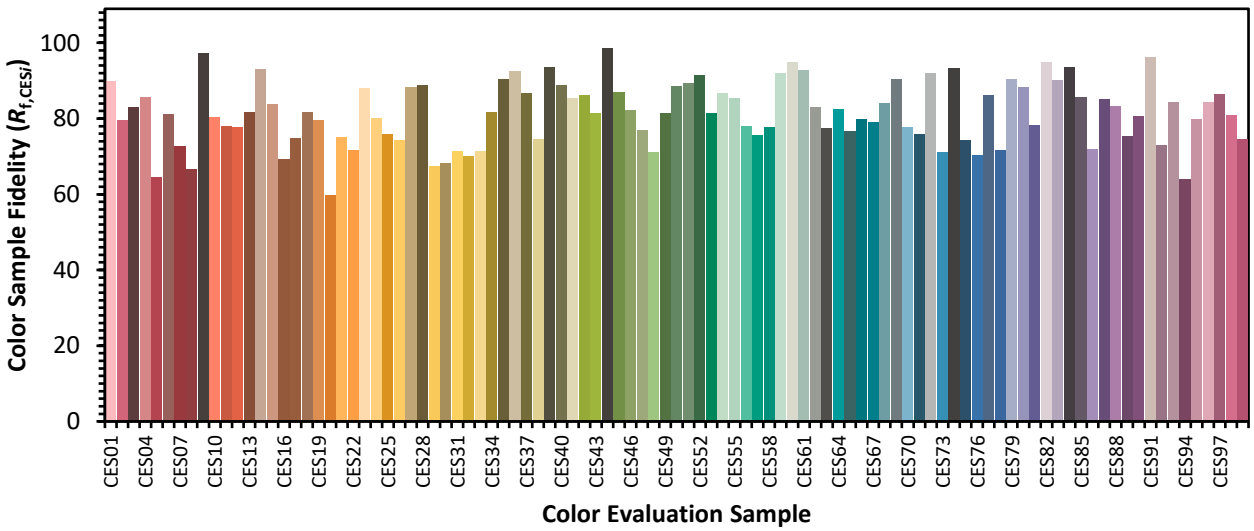


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

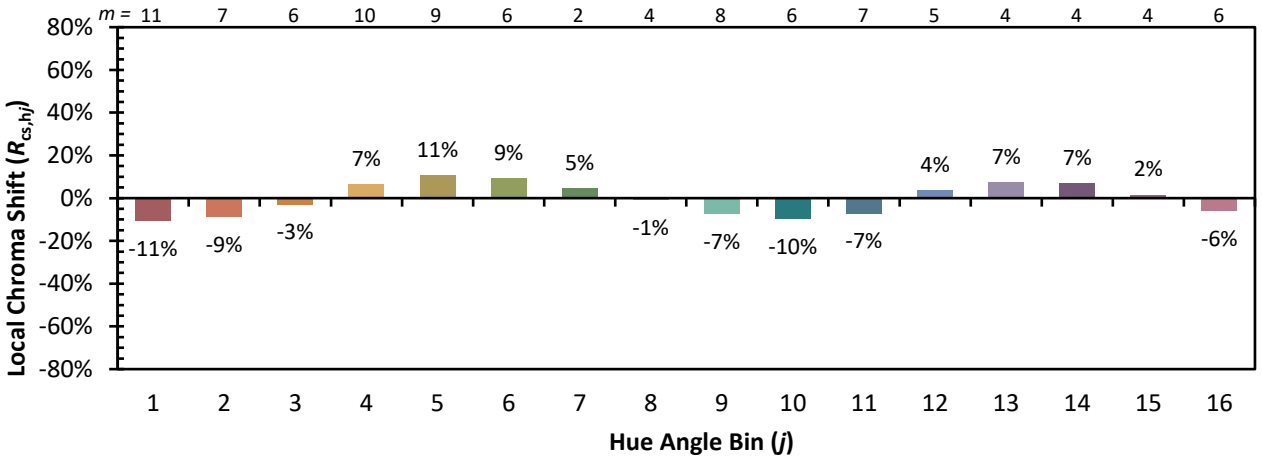
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

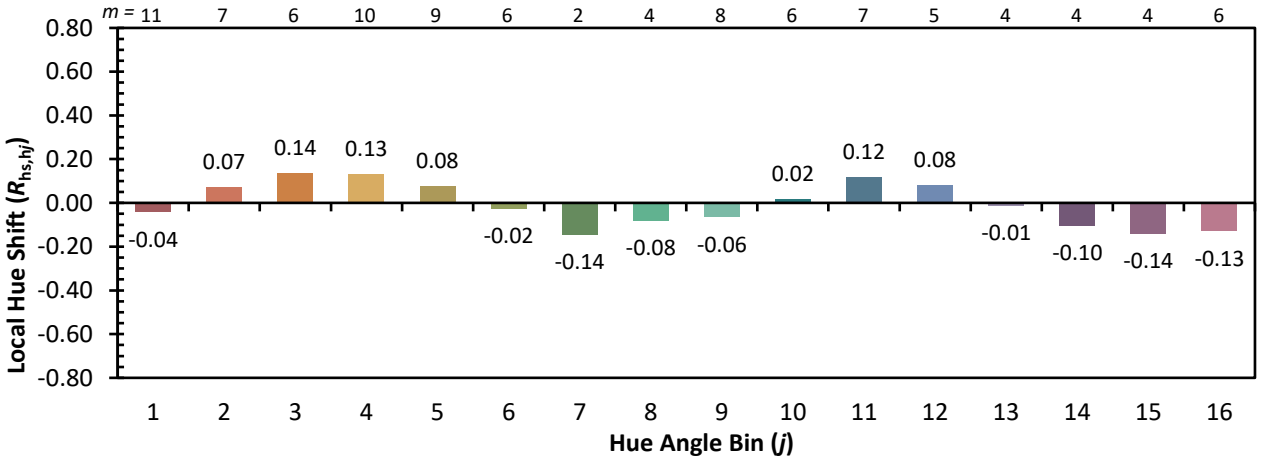


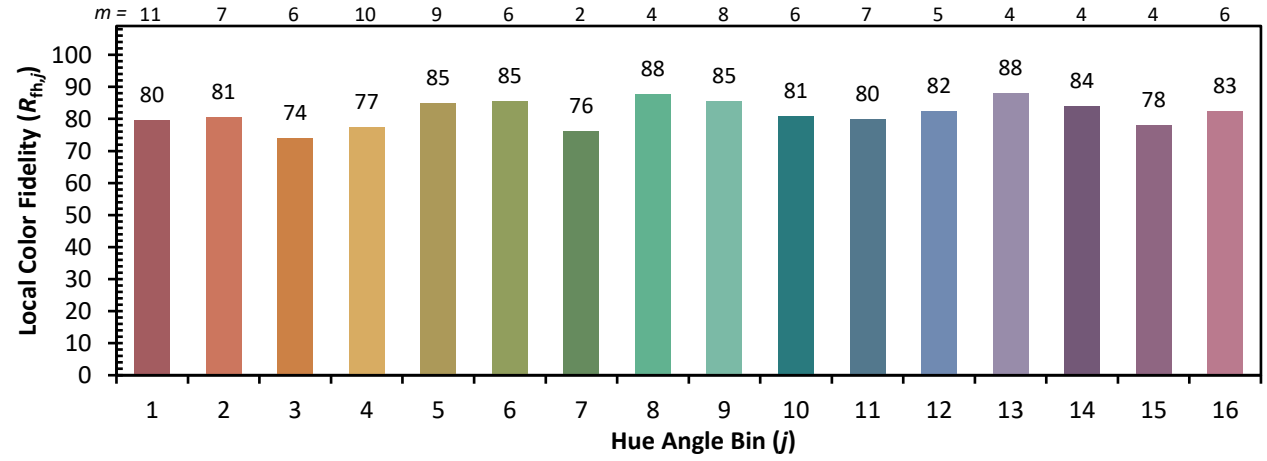
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



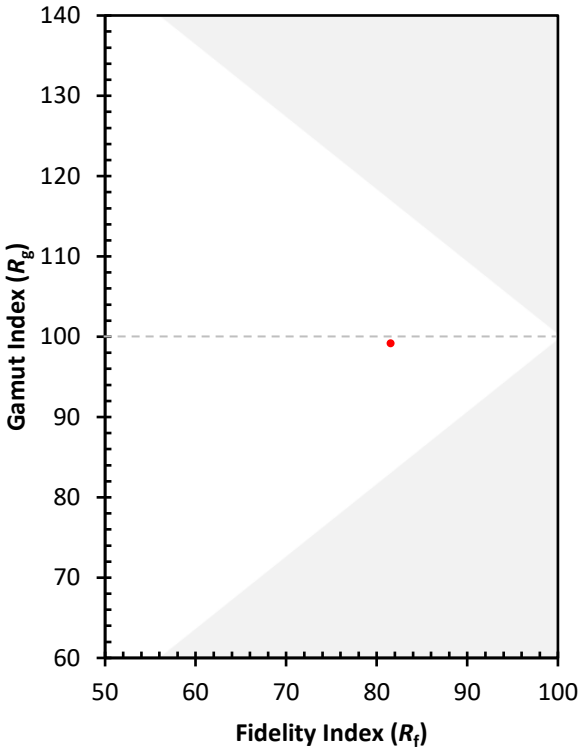


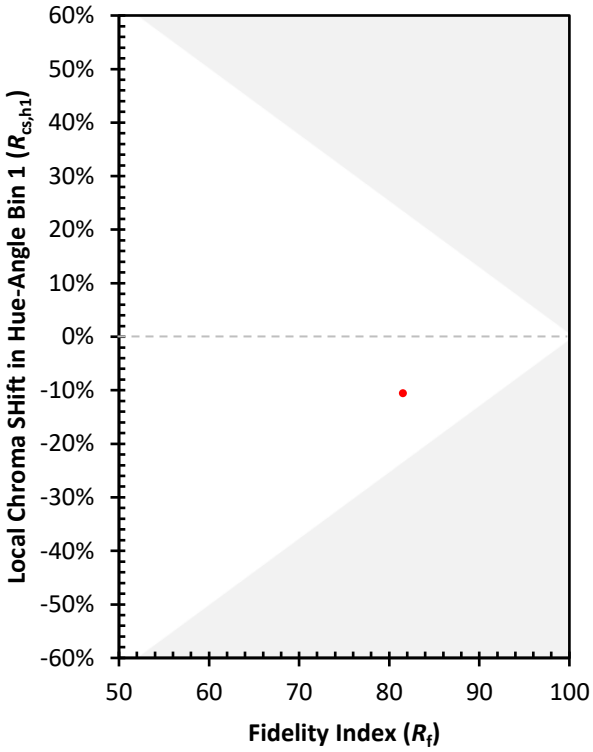


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)