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: P386514

Luminaire Tested: **GPC-SA2A-830-U-T4FT-HSS**

Issue Date: 3/3/2020

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:	P386514
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2A-830-U-T4FT-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5488 lumens
Efficiency:	N/A
Efficacy:	83.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	66
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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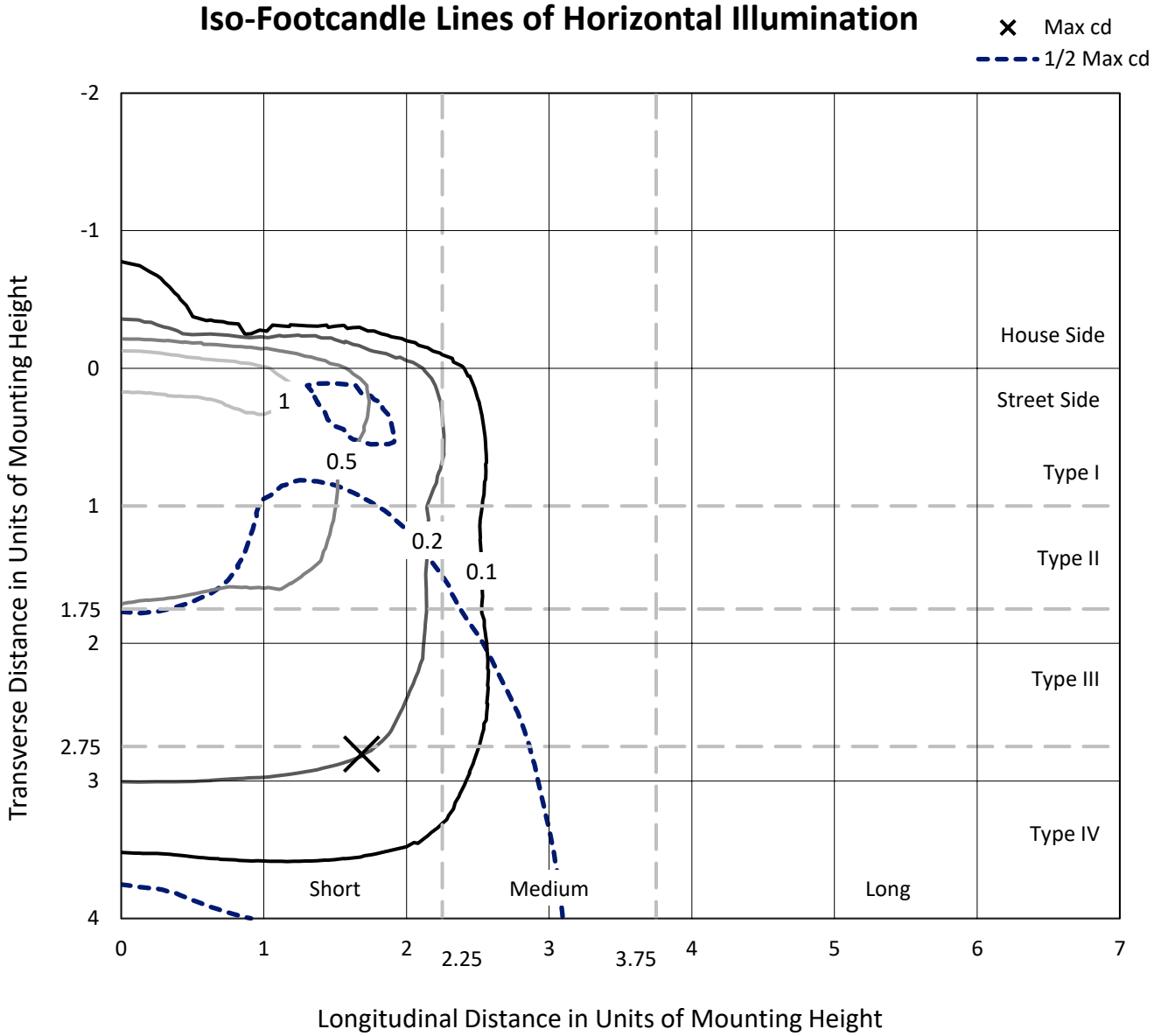
REPORT NUMBER: P386514
CATALOG NUMBER: GPC-SA2A-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type IV - Short - N/A

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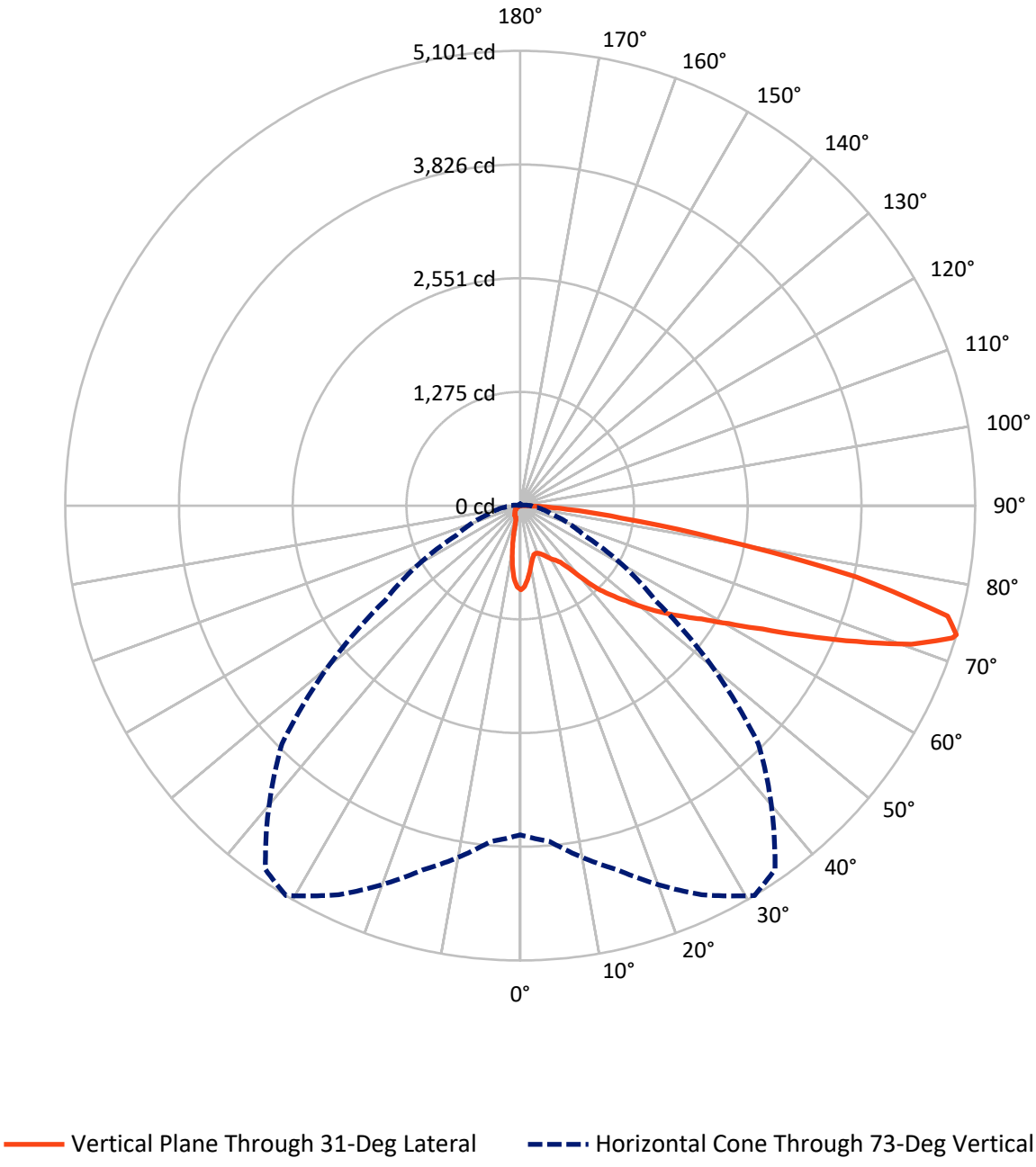
Luminous Intensity Polar Plot



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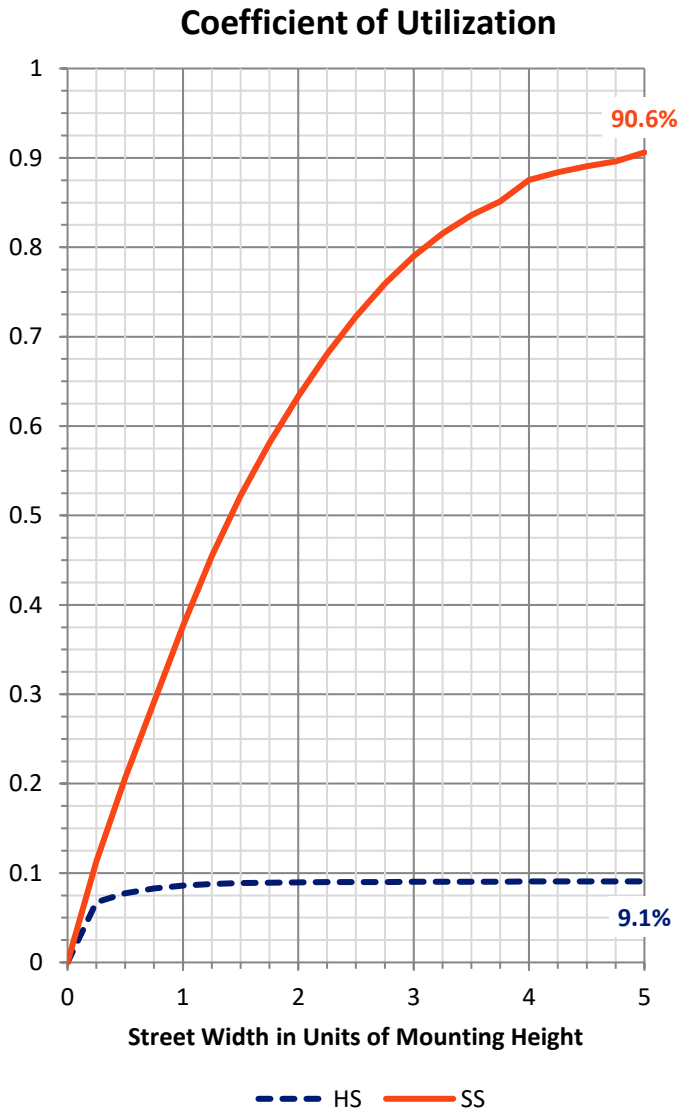
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	500.2	0.0	500.2
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	4987.8	0.0	4987.8
	% Fixture	90.9	0.0	90.9
Total	Lumens	5488.0	0.0	5488.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	1.4
10°-20°	170.0	3.1
20°-30°	254.7	4.6
30°-40°	405.2	7.4
40°-50°	723.6	13.2
50°-60°	1122.8	20.5
60°-70°	1492.6	27.2
70°-80°	1122.8	20.5
80°-90°	118.0	2.1
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°	5488.0	100.0
0°-180°	5488.0	100.0



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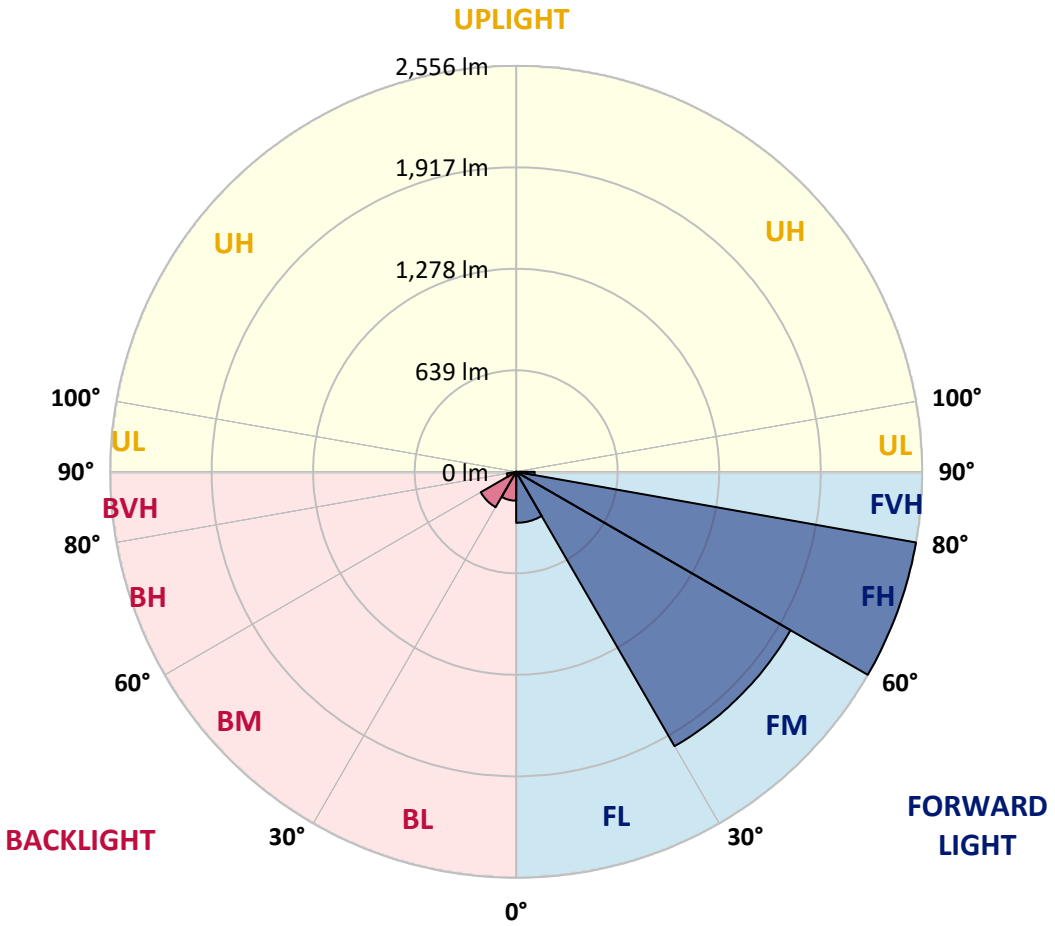
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	321.1	5.9			
FM	(30°-60°)	1994.2	36.3			
FH	(60°-80°)	2555.6	46.6			G2/5000
FVH	(80°-90°)	117.0	2.1			G2/225
BL	(0°-30°)	181.9	3.3	B1/500		
BM	(30°-60°)	257.5	4.7	B1/1000		
BH	(60°-80°)	59.8	1.1	B0/110		G0/110
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2
2.5°	894.8	898.6	902.6	903.4	910.1	910.4	920.1	927.3	934.6	941.5	944.0
5°	803.0	809.1	816.4	823.6	837.9	843.5	867.1	891.3	914.4	936.4	947.2
7.5°	704.9	711.9	722.1	740.1	756.0	767.0	804.3	847.3	890.2	930.8	954.2
10°	615.5	622.0	632.7	651.8	676.2	691.2	741.5	801.1	864.2	925.7	964.6
12.5°	558.6	562.1	568.0	588.4	610.4	627.3	686.4	760.3	842.7	925.4	981.6
15°	548.1	549.2	544.4	553.5	570.7	587.1	646.9	727.2	826.3	929.7	1003.6
17.5°	564.8	564.2	548.1	547.0	560.7	574.2	627.6	704.4	814.8	939.7	1032.0
20°	590.0	588.1	560.2	555.1	569.6	582.2	626.3	695.8	810.5	956.3	1066.7
22.5°	623.6	620.4	576.6	571.2	586.8	599.9	642.9	704.1	814.2	978.6	1107.0
25°	665.2	660.4	604.8	598.9	614.7	627.9	672.7	728.0	825.5	1005.7	1158.0
27.5°	712.2	705.2	649.9	634.6	652.6	666.3	712.5	764.6	843.2	1034.5	1220.6
30°	756.5	747.4	697.4	672.2	694.2	709.5	755.4	808.1	871.7	1078.8	1306.2
32.5°	801.1	790.9	739.9	709.8	729.7	746.3	799.7	868.0	925.2	1146.4	1420.1
35°	903.7	892.9	830.4	780.7	780.4	789.8	861.8	949.9	995.8	1240.7	1556.0
37.5°	1076.3	1070.2	1010.6	916.3	891.0	880.6	946.4	1047.6	1097.3	1370.4	1709.3
40°	1265.4	1260.0	1193.2	1107.8	1069.4	1043.6	1067.8	1183.8	1240.7	1528.9	1865.9
42.5°	1478.9	1453.4	1334.2	1308.6	1274.3	1254.7	1232.9	1351.6	1416.9	1701.3	2021.1
45°	1672.8	1629.8	1475.1	1436.5	1428.7	1433.5	1445.6	1577.2	1615.1	1906.2	2175.8
47.5°	1788.3	1754.4	1635.7	1598.7	1596.5	1628.5	1719.8	1832.0	1812.4	2084.8	2311.9
50°	1898.1	1867.5	1768.9	1778.1	1788.0	1831.5	2031.0	2094.2	1992.6	2246.7	2436.8
52.5°	1987.0	1940.3	1888.7	1940.0	1988.9	2059.0	2352.2	2329.4	2120.5	2375.6	2543.7
55°	2038.3	2017.1	2042.1	2093.6	2185.5	2299.3	2655.4	2525.2	2213.9	2493.2	2614.9
57.5°	2226.3	2184.7	2234.3	2278.9	2398.7	2557.9	2915.1	2671.0	2281.3	2566.0	2631.3
60°	2453.7	2420.2	2449.4	2523.6	2685.2	2872.4	3157.9	2790.0	2316.5	2612.7	2588.8
62.5°	2815.7	2771.4	2753.2	2836.2	3050.5	3254.8	3342.1	2872.4	2308.7	2592.0	2443.3
65°	3300.7	3254.8	3173.2	3248.4	3521.0	3665.2	3548.1	2889.9	2255.0	2424.7	2075.4
67.5°	3797.6	3764.3	3694.4	3821.2	4067.2	4113.6	3765.9	2847.4	2082.1	1966.1	1466.3
70°	4125.7	4111.5	4156.9	4437.3	4656.7	4643.2	3965.7	2619.4	1622.8	1209.0	725.4
72.5°	3889.1	3957.4	4292.5	4800.9	5068.9	4959.3	3863.1	2011.4	927.6	465.1	209.7
73°	3693.1	3780.4	4231.5	4814.6	5101.4	4981.3	3776.9	1846.3	790.6	367.1	159.0
75°	2569.2	2676.4	3503.2	4484.0	4949.4	4746.1	3148.2	1130.1	366.3	162.7	64.2
77.5°	1247.4	1326.6	1929.0	3239.8	3849.1	3708.1	1959.9	421.1	165.4	101.8	29.5
80°	465.7	517.8	837.3	1648.9	2224.4	2282.7	862.0	159.3	110.1	81.9	15.0
82.5°	121.9	135.9	308.8	735.3	1140.0	1193.2	271.8	80.3	80.6	67.4	9.1
85°	38.9	44.6	96.4	330.0	537.1	471.6	70.9	38.9	58.5	50.2	5.1
87.5°	4.8	6.2	30.6	77.6	118.4	65.8	11.0	11.5	25.0	27.9	3.0
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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CATALOG NUMBER: GPC-SA2A-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2	944.2
2.5°	946.4	945.0	945.3	938.3	933.7	924.6	915.2	910.9	906.4	904.5	906.4
5°	951.2	948.8	941.8	920.3	897.5	868.0	840.3	819.3	793.0	785.8	793.3
7.5°	958.7	953.9	933.5	889.7	839.0	782.6	719.2	673.0	635.1	610.7	619.5
10°	969.7	960.6	919.5	845.1	754.4	654.5	564.5	494.4	444.7	424.3	423.5
12.5°	988.3	971.1	902.3	787.1	651.0	517.8	399.9	323.9	283.6	257.5	257.0
15°	1008.7	983.4	880.6	717.6	530.7	370.9	257.5	199.8	173.8	165.4	164.4
17.5°	1033.6	997.7	852.4	631.9	404.7	245.7	168.1	151.5	150.4	149.6	149.6
20°	1065.1	1014.6	816.1	533.9	287.1	164.1	142.9	143.9	144.5	143.4	143.7
22.5°	1101.6	1031.8	772.9	428.6	194.2	137.2	136.7	138.0	138.6	138.0	138.3
25°	1144.0	1051.6	720.3	318.2	140.2	130.2	131.6	133.5	134.8	134.8	134.8
27.5°	1196.7	1075.8	656.9	222.1	121.1	123.0	126.8	130.2	132.1	132.7	132.7
30°	1265.1	1105.9	580.9	152.3	110.1	113.3	120.3	127.0	130.5	131.1	131.3
32.5°	1351.6	1139.7	492.8	112.5	100.7	103.1	110.6	121.9	128.6	129.7	129.7
35°	1450.7	1178.9	398.0	98.0	94.0	94.8	100.7	113.6	125.4	128.4	128.6
37.5°	1559.2	1217.6	302.7	91.6	88.4	88.4	92.6	103.7	117.6	126.8	127.8
40°	1660.4	1241.0	212.2	86.5	83.3	83.3	87.0	95.1	108.2	121.9	124.9
42.5°	1753.9	1249.0	147.7	81.6	78.4	79.2	82.4	88.9	98.8	112.5	115.2
45°	1850.0	1247.7	107.7	76.0	73.6	76.0	78.4	83.3	90.5	98.3	98.8
47.5°	1922.5	1236.4	85.4	70.6	69.0	72.2	74.4	77.6	81.6	81.1	81.1
50°	1990.5	1209.0	68.7	63.4	64.5	68.2	69.3	70.4	70.6	65.5	65.0
52.5°	2042.1	1166.3	55.1	55.6	59.9	63.6	62.6	61.0	58.3	52.1	51.0
55°	2059.2	1084.1	43.2	45.9	53.2	58.0	54.0	50.5	45.4	40.3	39.2
57.5°	2028.1	978.1	35.2	35.7	44.8	48.9	44.3	40.3	34.6	30.3	29.5
60°	1962.0	860.2	29.0	26.9	34.6	38.1	35.2	31.2	26.0	22.8	22.6
62.5°	1831.0	734.5	23.9	20.9	26.3	29.3	27.4	24.4	20.1	18.0	17.7
65°	1555.4	587.6	19.3	16.9	20.4	22.8	21.2	19.1	15.8	14.2	14.0
67.5°	1085.7	397.2	15.8	14.0	16.1	18.0	16.7	15.6	12.6	12.4	12.6
70°	523.7	191.5	13.2	11.3	12.6	14.0	13.4	12.6	12.1	14.0	16.1
72.5°	150.1	64.2	10.5	9.4	10.2	11.0	11.5	11.3	13.2	16.9	19.6
73°	*115.5*	*51.8*	*9.9*	*8.9*	*9.7*	*10.7*	*11.3*	*11.0*	*13.4*	*17.2*	*19.6*
75°	49.4	25.0	7.5	7.3	8.1	9.4	9.9	9.9	13.4	17.5	18.8
77.5°	22.3	13.4	4.8	5.6	7.0	7.5	8.3	8.3	10.7	13.4	13.4
80°	12.6	7.3	3.8	4.3	5.1	5.1	5.1	4.6	4.8	5.4	5.9
82.5°	8.1	4.8	3.0	3.5	3.2	2.7	2.1	2.1	1.9	2.1	2.7
85°	4.6	2.7	2.7	2.1	1.3	1.1	1.3	1.1	0.3	0.0	0.3
87.5°	2.7	1.6	0.8	0.0	0.0	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

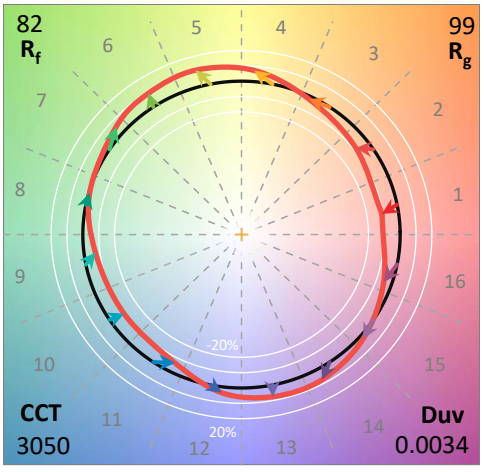
Test Information

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

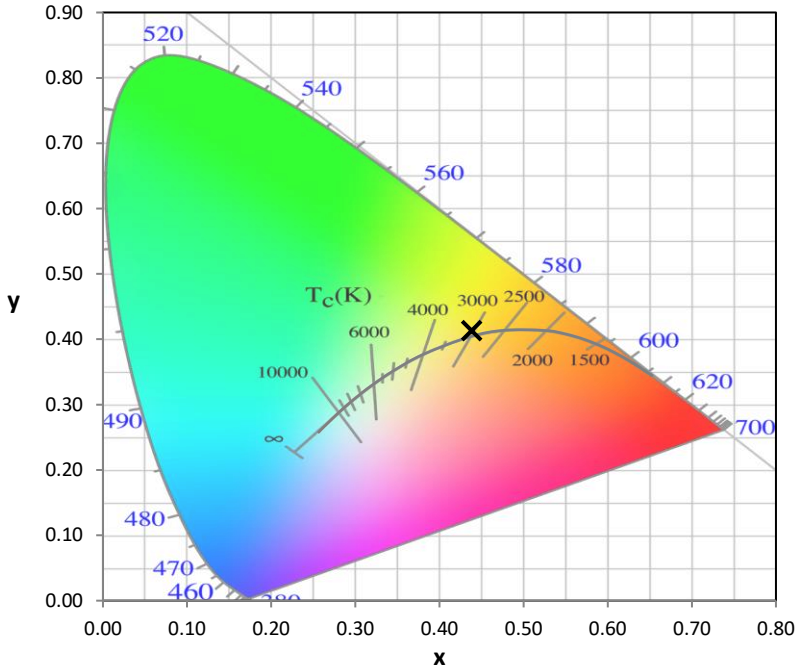
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

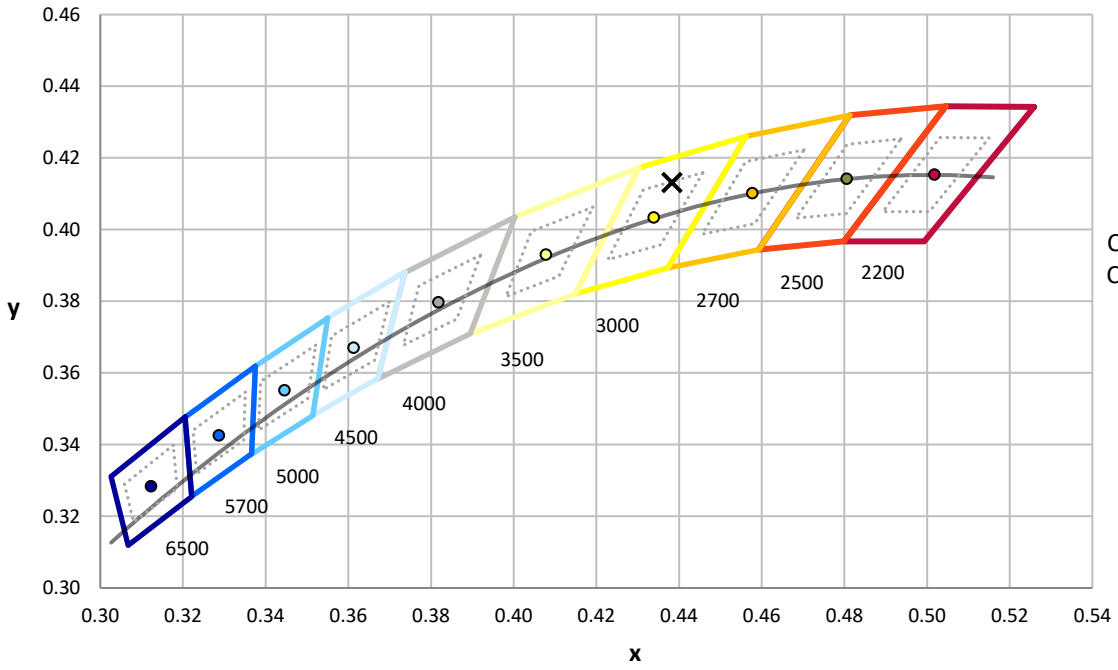
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

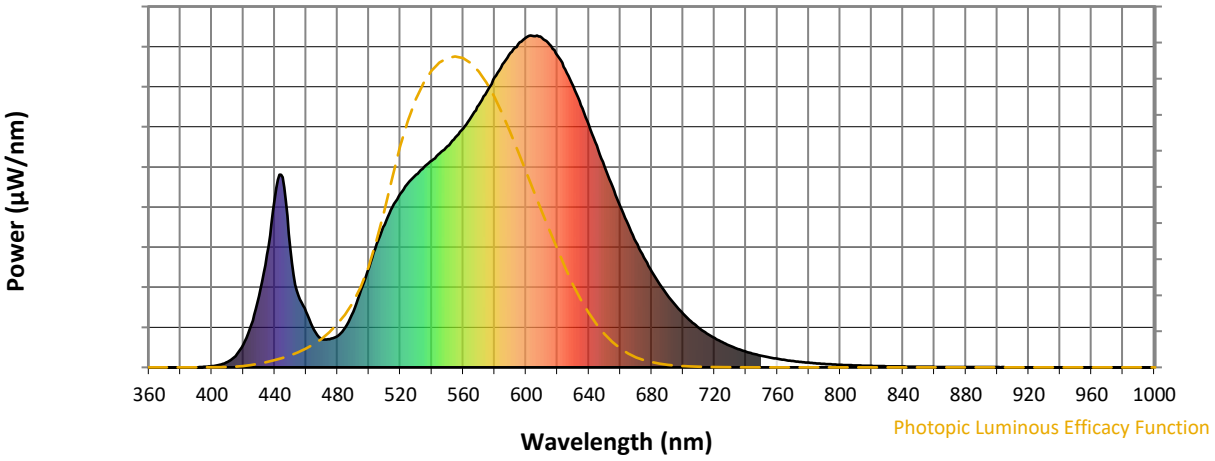


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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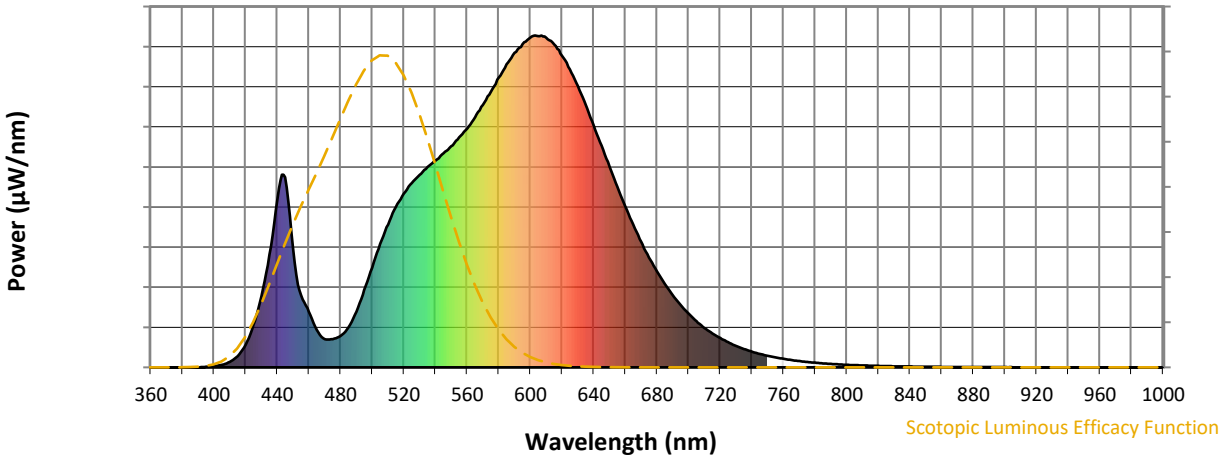
Scotopic Flux vs. Wavelength



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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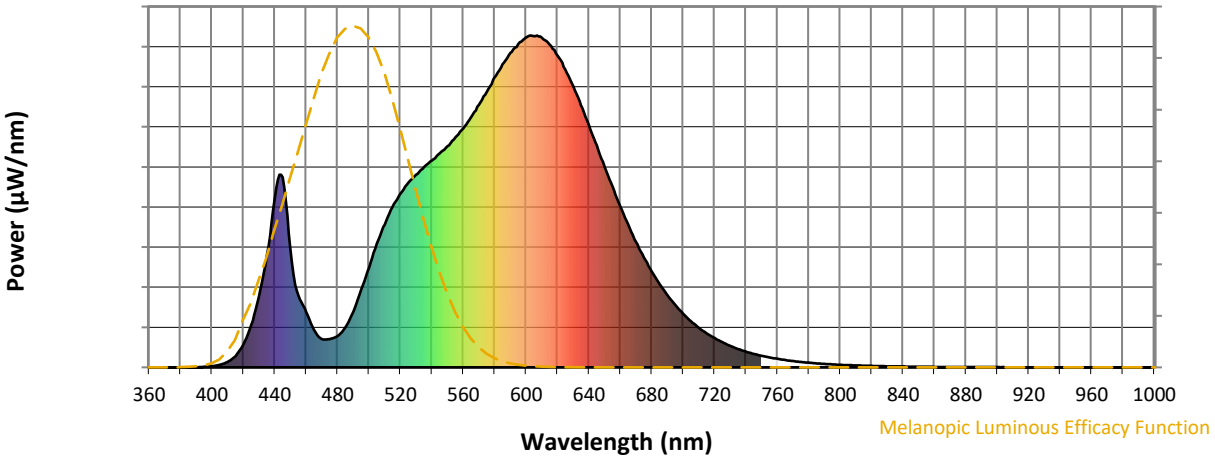
Melanopic Flux vs. Wavelength



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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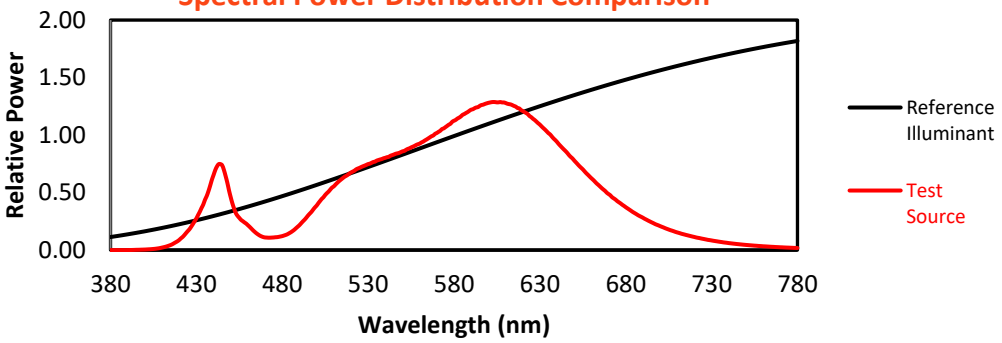
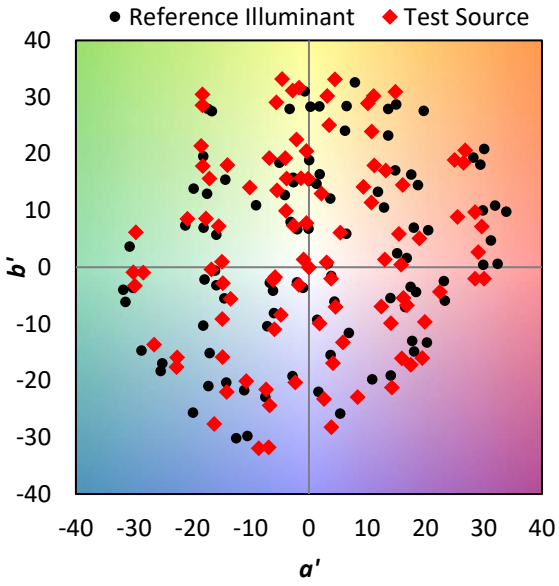
Summary

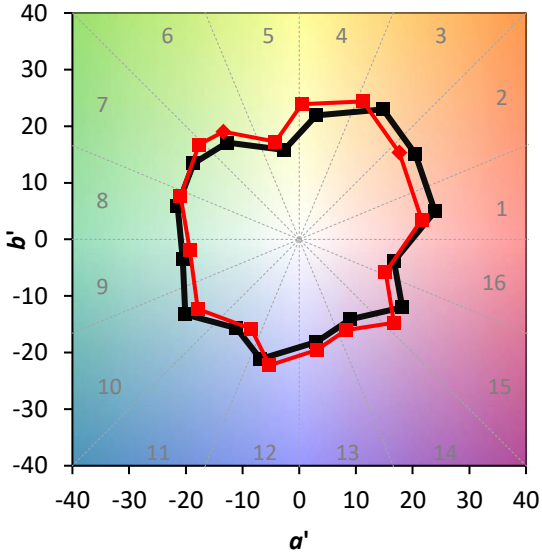
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

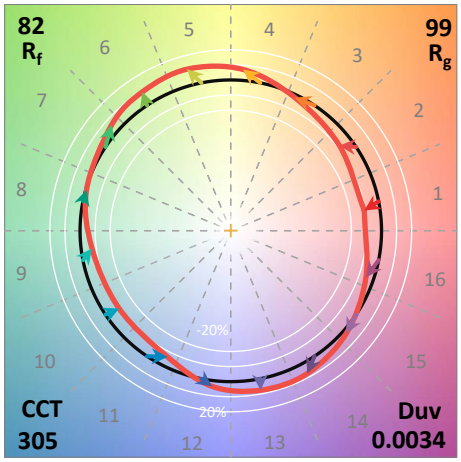
Spectral Power Distribution Comparison

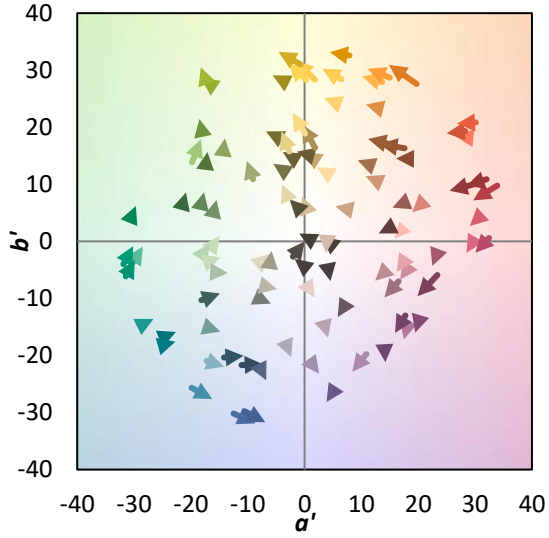


Color Vector Graphics









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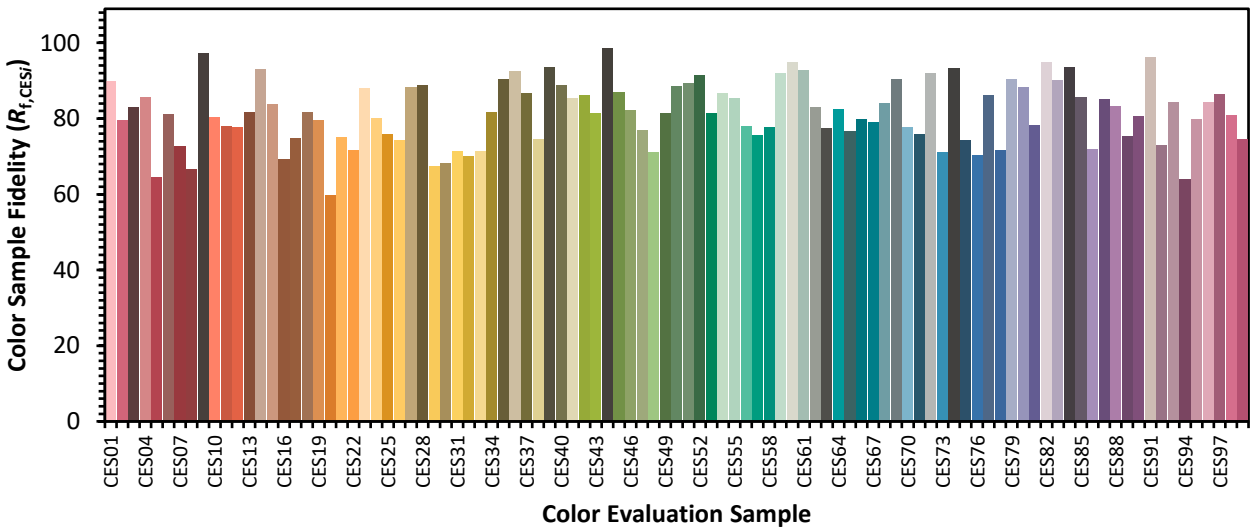
Individual Sample Fidelity Index ($R_{f,i}$)

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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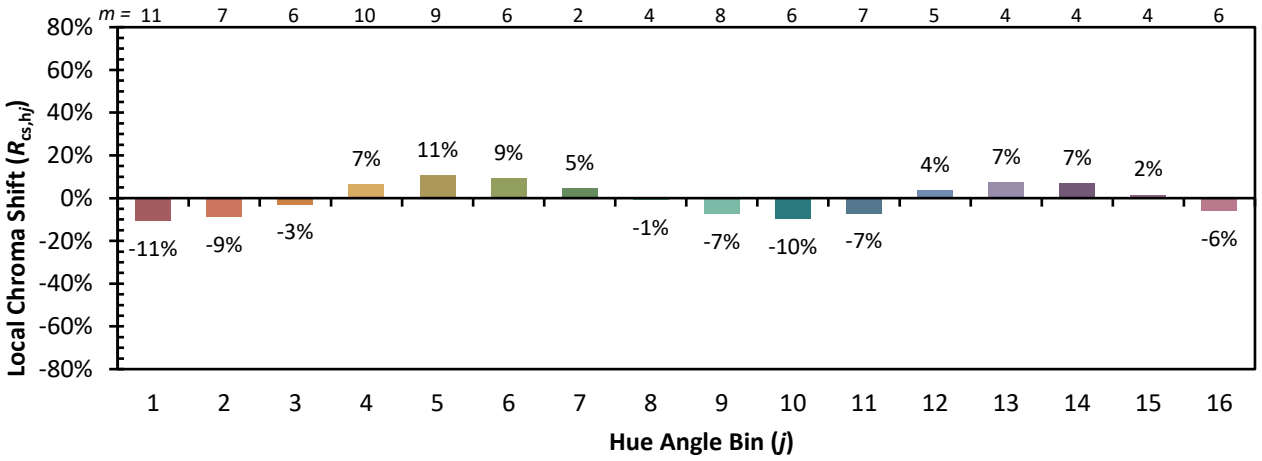
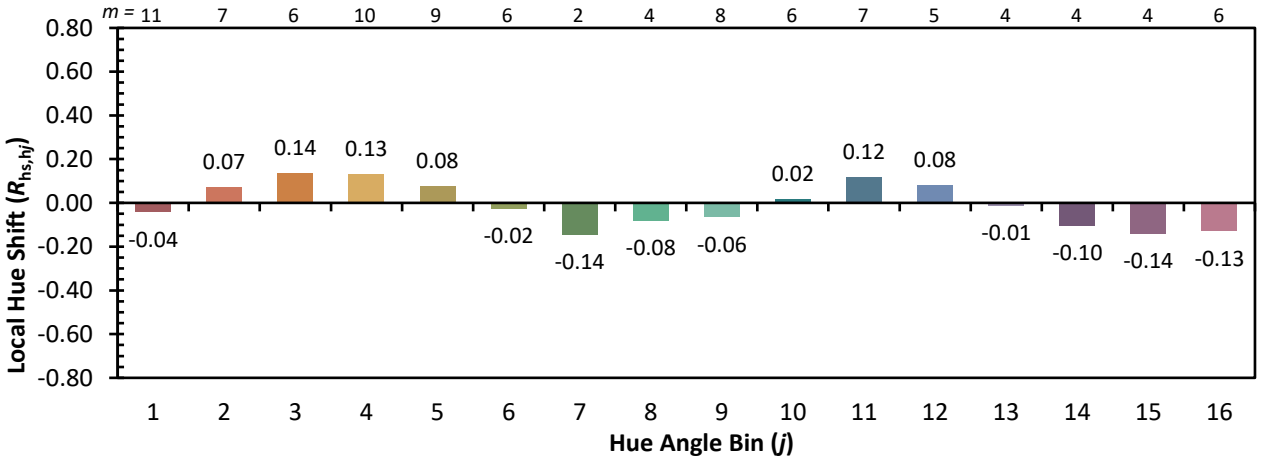
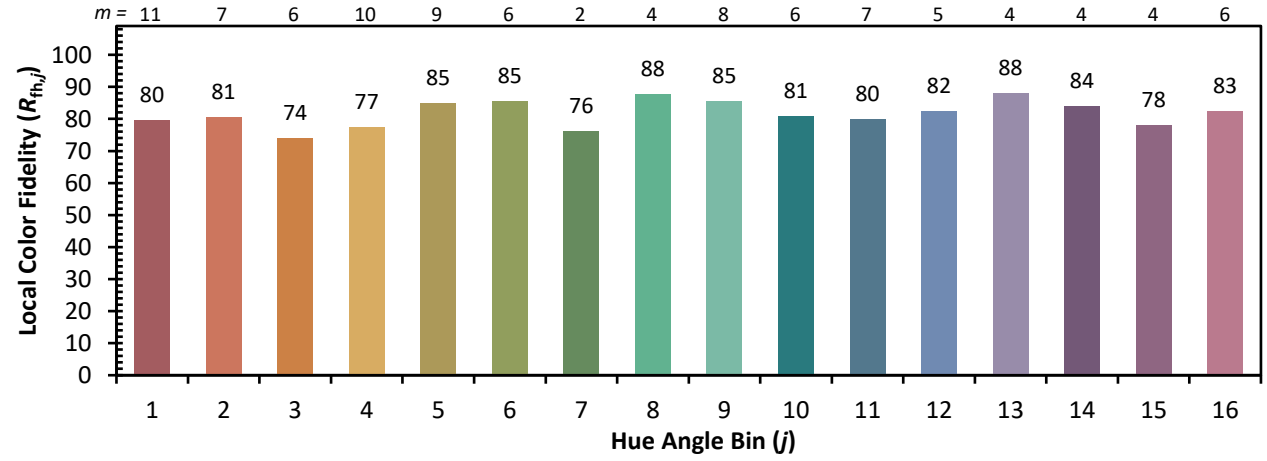
Color Rendition by Hue-Angle Bin







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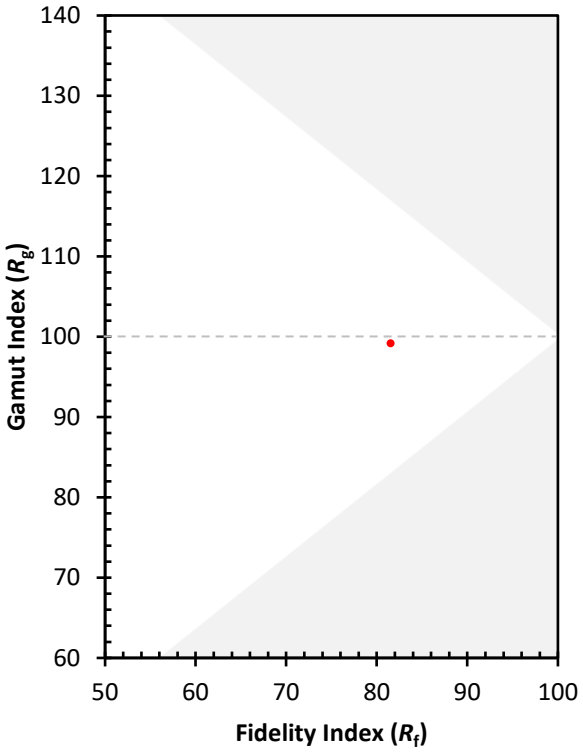
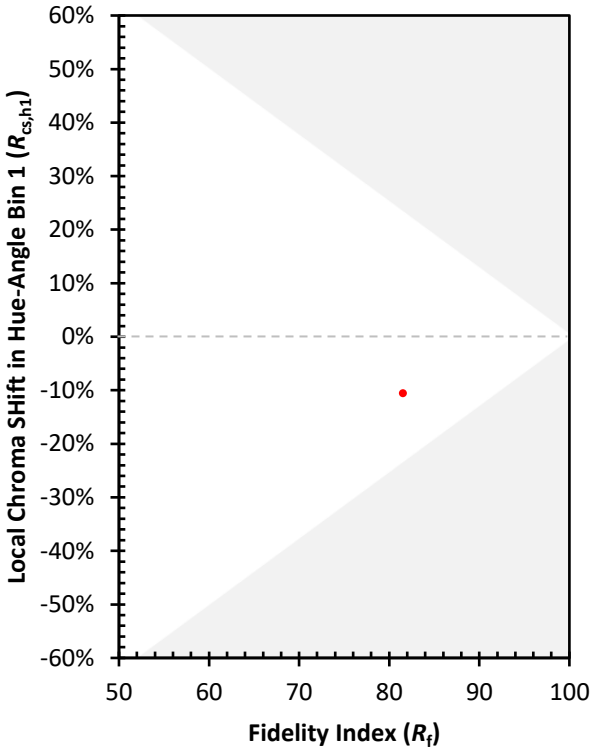
Measure Comparisons





(END OF REPORT)