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: P386506

Luminaire Tested: **GPC-SA2A-830-U-T2-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:	P386506
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
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-T2-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5498 lumens
Efficiency:	N/A
Efficacy:	83.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
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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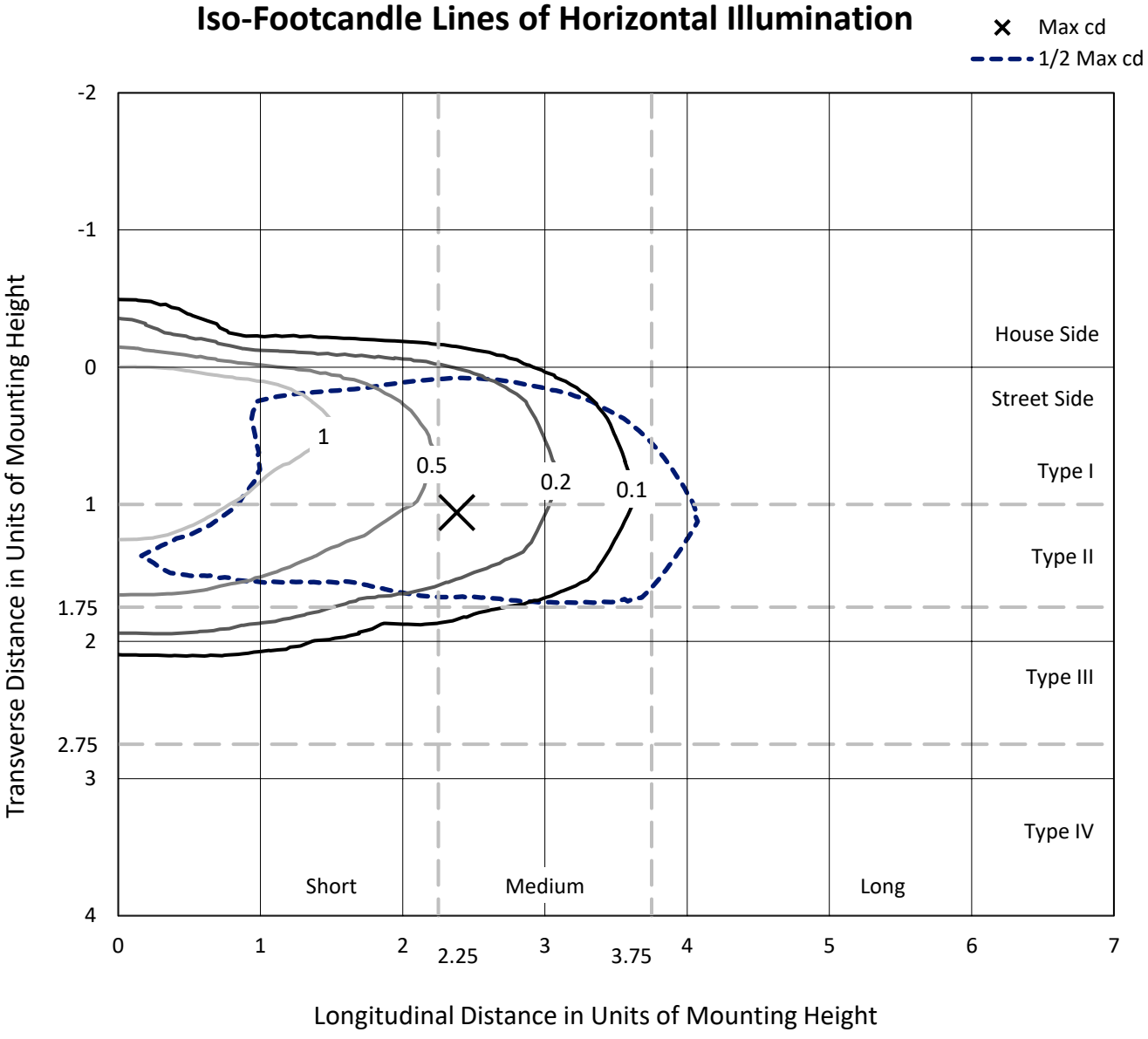
REPORT NUMBER: P386506
CATALOG NUMBER: GPC-SA2A-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type II - Medium - N/A

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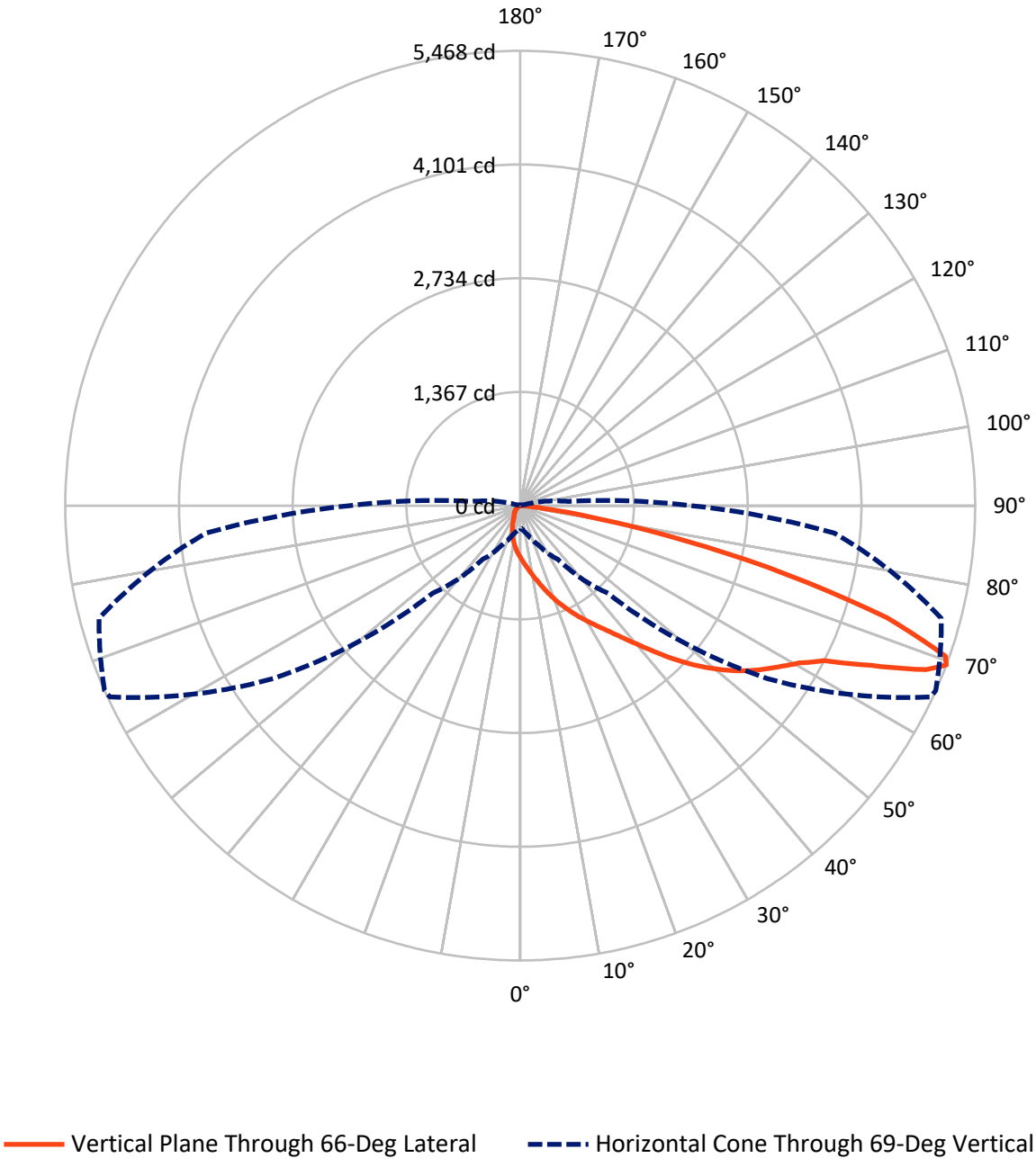
Luminous Intensity Polar Plot



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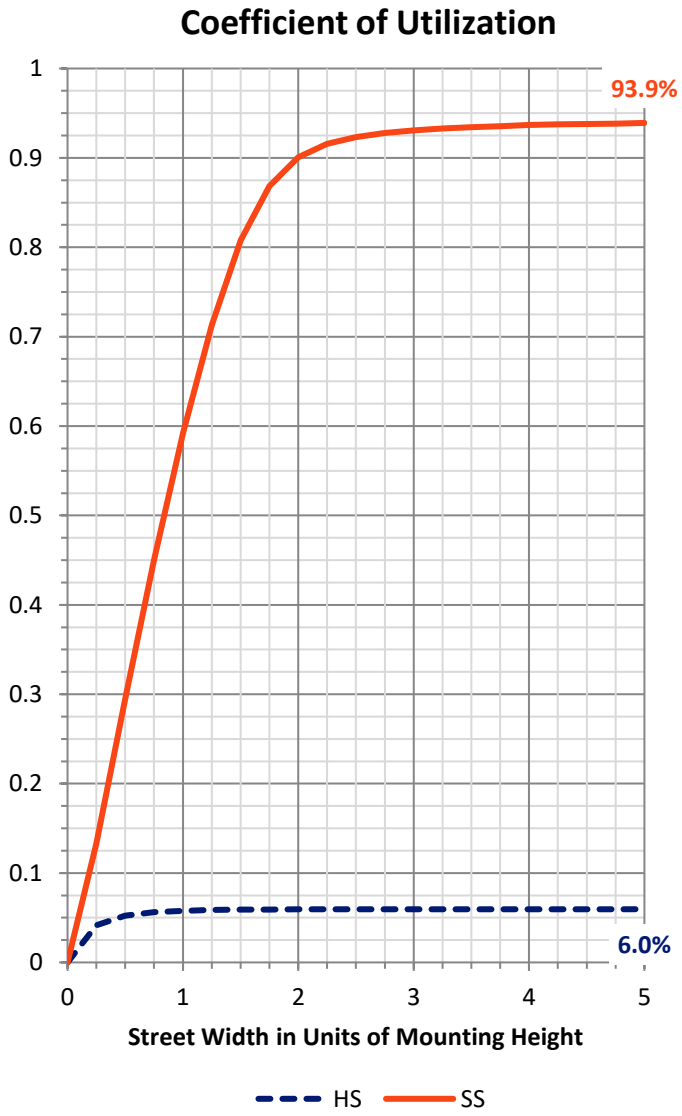
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	329.8	0.0	329.8
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	5168.2	0.0	5168.2
	% Fixture	94.0	0.0	94.0
Total	Lumens	5498.0	0.0	5498.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	1.1
10°-20°	180.0	3.3
20°-30°	313.5	5.7
30°-40°	549.9	10.0
40°-50°	920.5	16.7
50°-60°	1353.1	24.6
60°-70°	1389.3	25.3
70°-80°	685.9	12.5
80°-90°	45.3	0.8
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°	5498.0	100.0
0°-180°	5498.0	100.0



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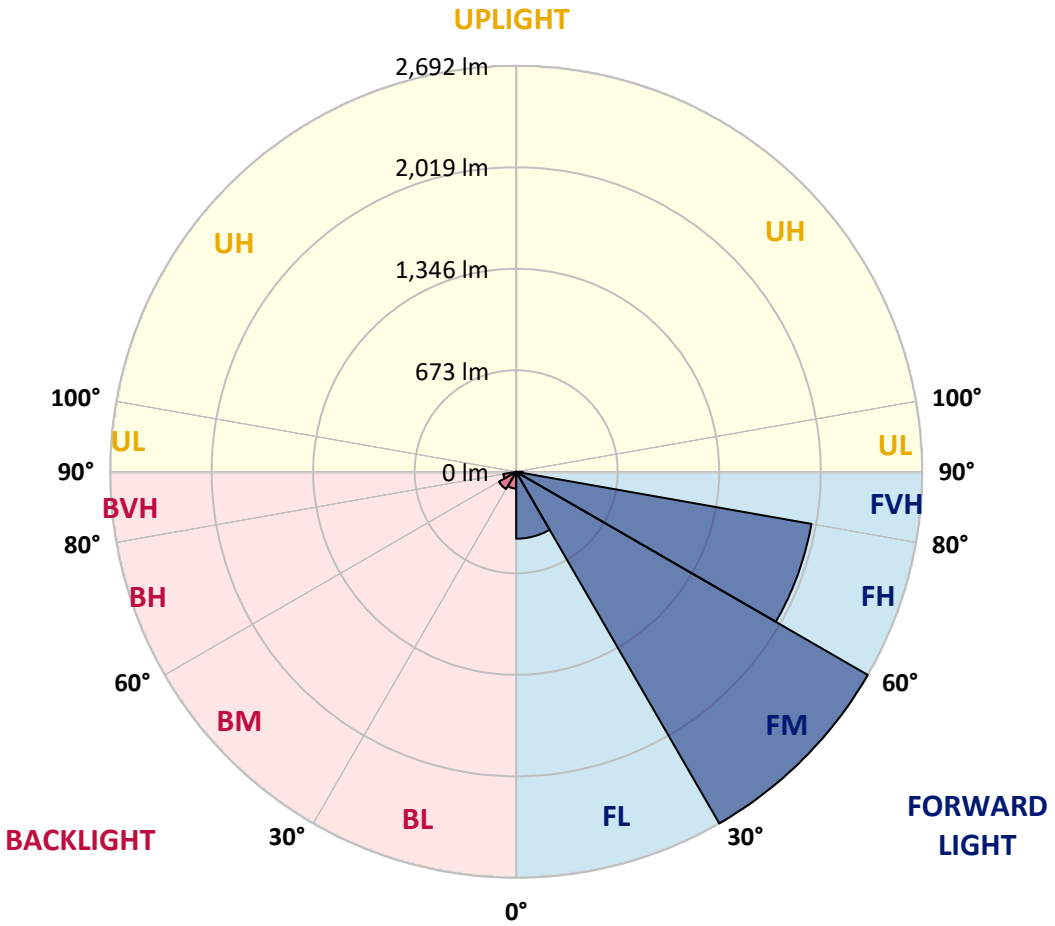
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	443.6	8.1			
FM	(30°-60°)	2692.1	49.0			
FH	(60°-80°)	1988.2	36.2			G2/5000
FVH	(80°-90°)	44.3	0.8			G1/100
BL	(0°-30°)	110.3	2.0	B1/500		
BM	(30°-60°)	131.5	2.4	B0/220		
BH	(60°-80°)	86.9	1.6	B0/110		G0/110
BVH	(80°-90°)	1.1	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 II Medium



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Scaled Data Report

REPORT NUMBER: P386506
CATALOG NUMBER: GPC-SA2A-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	*625.7*	625.7	625.7
2.5°	736.4	733.3	732.0	726.2	716.3	708.7	694.1	677.1	*674.0*	657.5	637.4
5°	832.0	829.4	827.6	819.5	809.3	790.2	763.6	732.0	*726.0*	694.6	654.4
7.5°	898.6	903.3	903.3	898.1	885.3	870.9	838.3	795.2	*787.6*	739.5	677.1
10°	937.5	943.2	947.7	952.1	950.3	944.5	913.7	865.2	*856.0*	792.3	703.5
12.5°	941.1	946.9	959.4	978.0	996.0	1009.0	989.7	942.7	*932.3*	853.4	734.8
15°	920.8	926.8	946.1	982.1	1025.8	1063.9	1070.1	1028.6	*1017.9*	926.3	774.0
17.5°	885.3	889.2	916.9	966.7	1035.2	1105.1	1143.0	1120.8	*1110.9*	1009.6	817.6
20°	858.9	861.8	886.0	939.6	1029.4	1131.0	1211.9	1218.7	*1208.3*	1098.9	864.9
22.5°	904.1	909.3	910.1	935.4	1013.7	1143.8	1272.5	1315.1	*1307.3*	1193.7	911.4
25°	1027.6	1033.6	1013.7	998.1	1027.1	1149.5	1324.5	1413.8	*1407.5*	1295.8	958.1
27.5°	1190.8	1197.1	1171.5	1124.7	1096.8	1171.2	1370.7	1514.1	*1513.8*	1403.9	1008.5
30°	1351.1	1357.4	1331.3	1284.5	1220.3	1232.6	1410.7	1619.1	*1620.6*	1515.4	1062.1
32.5°	1519.3	1527.1	1500.2	1440.2	1373.1	1338.6	1466.8	1724.6	*1733.4*	1644.7	1122.4
35°	1710.5	1711.5	1673.6	1610.7	1533.4	1480.4	1556.9	1842.9	*1864.0*	1804.7	1198.9
37.5°	1898.0	1905.5	1874.5	1775.2	1704.2	1644.1	1690.9	1990.7	*2020.7*	2000.3	1298.9
40°	2036.9	2052.8	2048.4	1941.3	1873.9	1831.1	1857.2	2166.4	*2204.5*	2228.0	1425.0
42.5°	2124.1	2136.1	2156.5	2092.0	2030.9	2037.9	2053.6	2371.1	*2418.2*	2487.6	1570.0
45°	2224.1	2229.9	2246.8	2218.4	2177.1	2248.1	2262.0	2601.7	*2651.1*	2766.8	1730.8
47.5°	2346.3	2359.9	2364.6	2338.5	2319.7	2434.1	2462.8	2811.4	*2880.6*	3065.8	1901.1
50°	2502.0	2505.6	2513.7	2496.8	2478.0	2593.9	2643.0	3031.6	*3094.5*	3365.8	2069.0
52.5°	2654.2	2667.3	2695.5	2684.8	2677.2	2730.0	2803.6	3230.0	*3300.3*	3616.0	2236.7
55°	2698.1	2709.3	2806.7	2873.3	2934.9	2897.6	2957.1	3407.9	*3483.9*	3839.5	2398.0
57.5°	2522.9	2545.6	2714.3	2887.7	3143.3	3158.2	3168.1	3590.4	*3658.6*	4010.8	2566.0
60°	2080.0	2084.4	2361.2	2658.7	3108.9	3385.7	3476.3	3786.5	*3843.7*	4170.4	2767.0
62.5°	1322.9	1368.1	1671.8	2091.7	2744.3	3352.8	3848.9	4083.2	*4104.1*	4361.8	3055.3
65°	630.1	659.4	878.2	1292.4	1987.8	2931.6	4106.2	4619.8	*4629.2*	4741.2	3440.5
67.5°	348.9	363.0	467.2	695.7	1162.1	2073.2	4002.2	5255.4	*5264.3*	5128.8	3778.4
69°	*272.9*	*284.9*	*366.9*	*524.4*	*787.9*	*1490.1*	*3621.7*	*5441.6*	*5468.0*	*5239.8*	*3790.4*
70°	231.6	243.4	316.0	442.9	633.5	1151.4	3223.8	5395.4	*5423.3*	5229.3	3700.9
72.5°	141.8	148.6	210.5	311.8	424.6	579.2	1988.1	4562.9	*4610.2*	4796.9	3180.7
75°	95.6	99.2	131.6	215.2	303.7	298.2	1032.8	3216.2	*3318.6*	3731.4	2349.2
77.5°	68.4	71.8	88.3	139.2	212.8	196.9	467.7	1998.8	*2020.7*	2238.0	1281.1
80°	38.9	42.0	62.4	82.8	144.4	131.4	185.9	954.7	*965.7*	959.7	427.7
82.5°	20.4	23.0	34.2	54.6	92.7	85.9	77.3	319.6	*321.2*	267.1	93.7
85°	3.9	4.7	17.0	37.3	47.8	37.3	31.6	74.9	*76.5*	67.6	23.2
87.5°	0.0	0.3	6.8	8.4	9.4	9.7	10.2	14.6	*15.7*	21.2	6.3
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

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CATALOG NUMBER: GPC-SA2A-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7
2.5°	628.6	619.2	601.1	580.3	564.1	548.1	535.6	522.5	517.8	515.5	515.2
5°	634.8	615.0	576.9	537.7	505.6	475.3	453.6	433.0	423.3	418.9	417.0
7.5°	645.3	613.4	552.0	492.2	446.0	408.2	378.1	355.7	344.4	339.7	337.9
10°	657.5	611.3	523.1	444.2	385.2	346.0	316.2	294.0	281.8	276.5	273.9
12.5°	671.9	607.7	489.6	395.6	333.2	294.0	258.0	230.6	216.5	210.5	207.6
15°	689.7	604.0	454.6	349.9	287.5	239.7	200.3	181.8	178.9	177.8	178.1
17.5°	707.2	598.3	416.5	304.7	239.5	187.2	167.1	166.1	166.6	166.6	166.6
20°	722.8	585.2	375.0	266.1	193.8	158.0	153.8	152.0	150.7	149.6	148.3
22.5°	735.1	567.7	335.0	227.7	158.3	144.7	138.1	132.4	127.7	124.6	123.0
25°	743.5	544.5	298.5	190.9	142.3	131.6	119.9	110.2	102.9	98.4	96.6
27.5°	749.7	519.4	265.8	159.8	131.4	116.5	101.1	89.6	82.0	78.1	76.5
30°	754.2	490.9	237.1	140.5	119.1	100.5	84.1	72.9	67.4	65.3	64.2
32.5°	758.3	459.3	210.0	131.4	107.6	85.9	70.5	61.9	58.5	55.9	55.1
35°	768.8	430.1	184.1	121.7	95.8	73.4	60.6	54.3	50.9	49.4	48.8
37.5°	793.6	408.4	159.3	111.8	84.1	63.5	53.0	48.6	45.4	43.9	43.3
40°	833.6	397.5	138.4	101.1	72.6	55.9	48.0	43.9	40.5	38.1	37.6
42.5°	892.3	399.0	123.8	90.4	63.5	49.9	43.3	38.4	34.7	32.6	32.1
45°	963.6	410.5	113.6	79.9	55.9	45.2	38.1	32.9	29.5	27.7	27.2
47.5°	1040.9	429.1	105.2	70.5	49.9	40.7	32.9	27.4	24.5	23.0	22.7
50°	1122.4	447.1	96.6	61.4	44.7	36.3	27.7	22.7	20.4	19.1	18.5
52.5°	1204.9	468.0	88.8	53.0	40.2	31.1	23.0	18.5	16.7	15.7	15.1
55°	1293.7	483.6	81.2	46.5	35.8	26.4	19.1	15.4	13.8	12.5	12.3
57.5°	1398.1	507.9	73.4	40.2	30.6	21.9	15.7	12.3	11.0	9.7	9.4
60°	1539.2	536.4	65.0	35.5	25.1	18.0	12.8	9.9	8.4	7.3	7.1
62.5°	1725.1	568.0	54.6	31.1	20.4	14.6	10.2	7.8	6.0	4.7	4.7
65°	1960.9	619.4	44.7	26.1	16.7	12.0	7.8	5.7	3.4	2.1	2.1
67.5°	2098.5	628.3	36.0	21.4	13.6	10.2	6.5	3.9	1.0	0.3	0.0
69°	*2054.4*	*576.9*	*30.6*	*18.3*	*11.8*	*9.7*	*6.0*	*2.9*	*0.5*	*0.0*	*0.0*
70°	1971.3	527.5	26.9	16.2	10.7	9.1	5.7	2.1	0.5	0.0	0.0
72.5°	1629.0	375.5	20.4	12.0	7.8	8.1	5.2	1.3	0.5	0.0	0.0
75°	1186.6	228.2	14.6	8.4	5.0	6.0	3.7	0.5	0.3	0.0	0.0
77.5°	660.2	107.6	9.1	4.7	3.1	3.7	1.8	0.0	0.0	0.0	0.0
80°	214.4	29.2	4.2	2.6	1.8	2.1	0.8	0.0	0.0	0.0	0.0
82.5°	39.7	8.4	2.4	1.3	0.5	0.5	0.0	0.0	0.0	0.0	0.0
85°	8.6	3.4	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	1.0	0.3	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

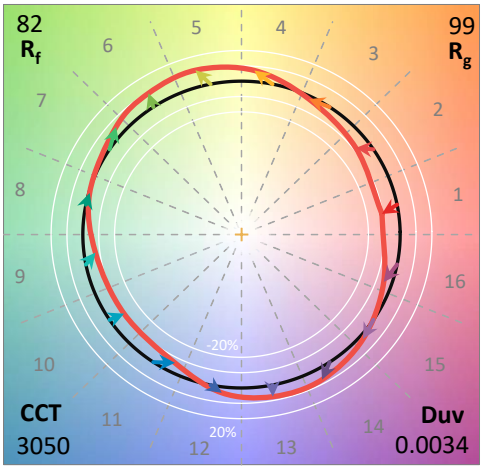
Test Information

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

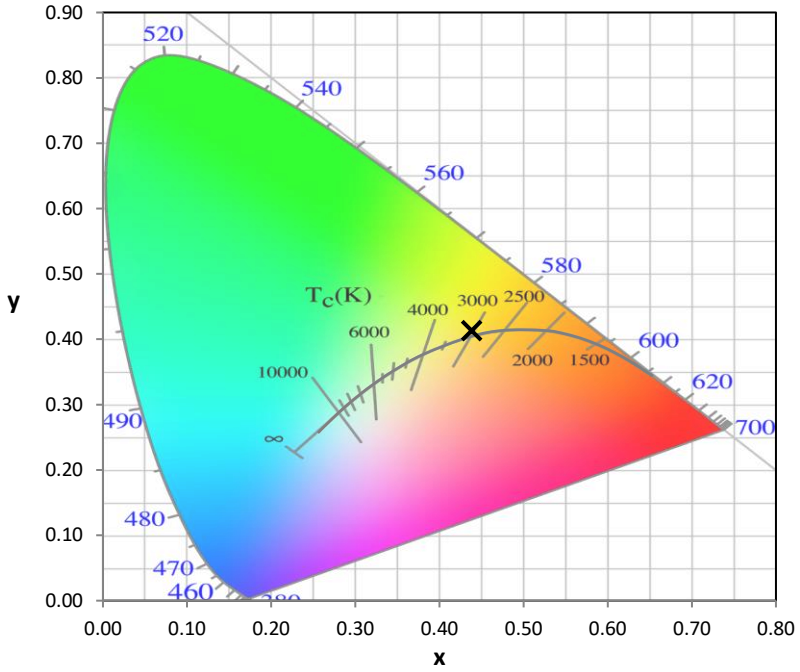
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

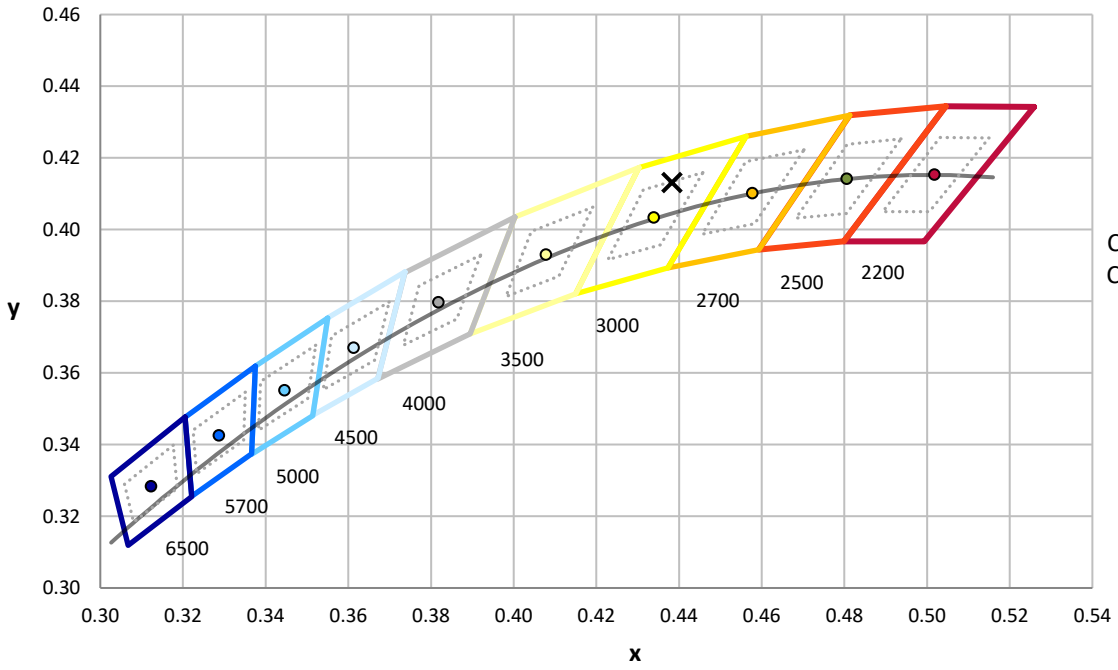
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

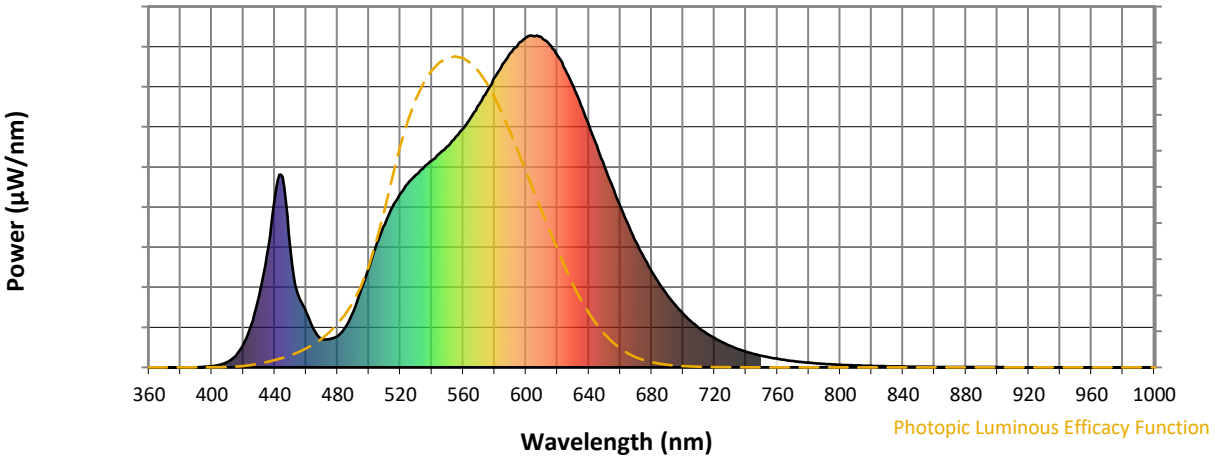


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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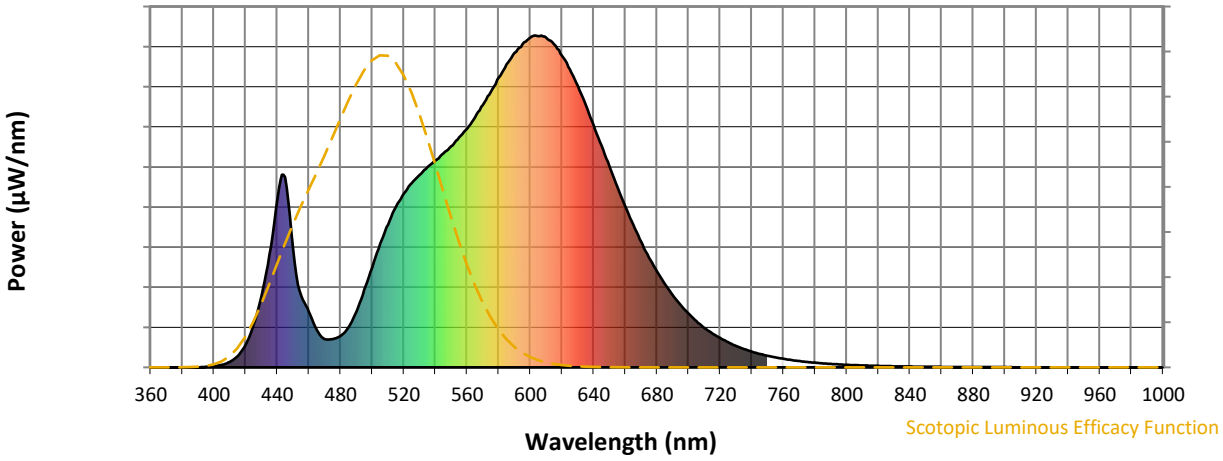
Scotopic Flux vs. Wavelength



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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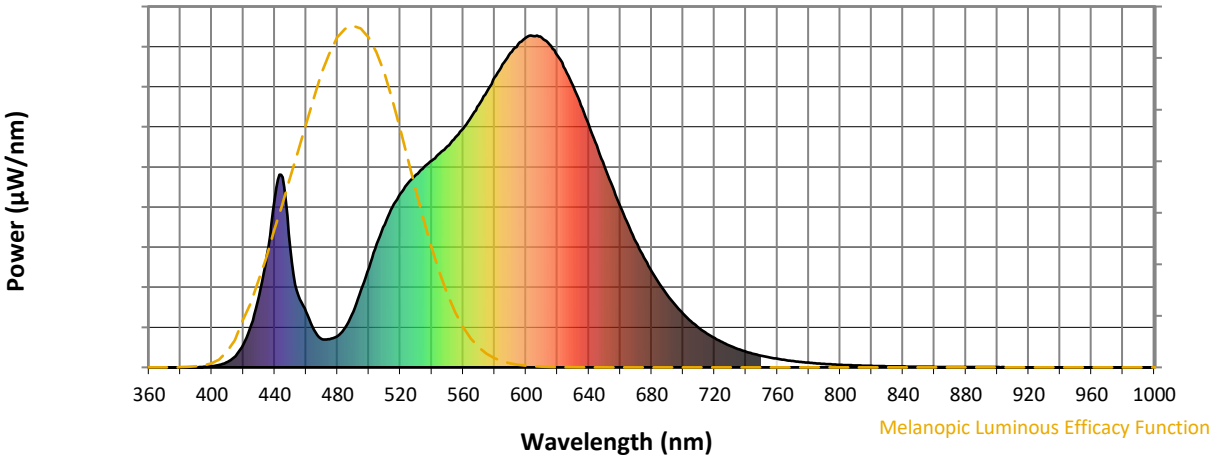
Melanopic Flux vs. Wavelength



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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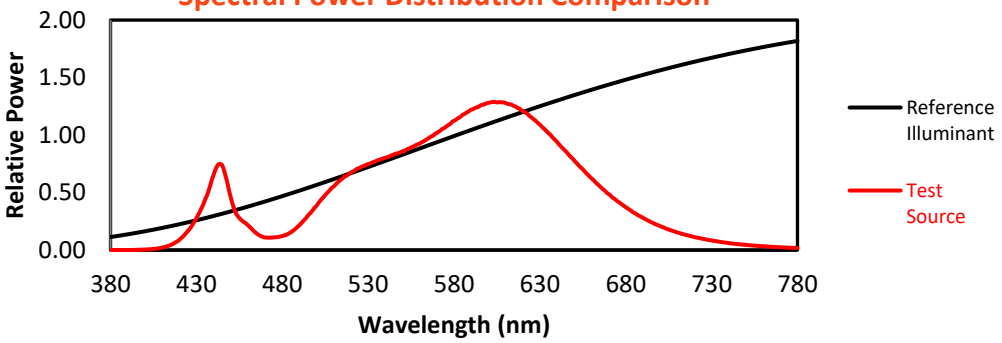
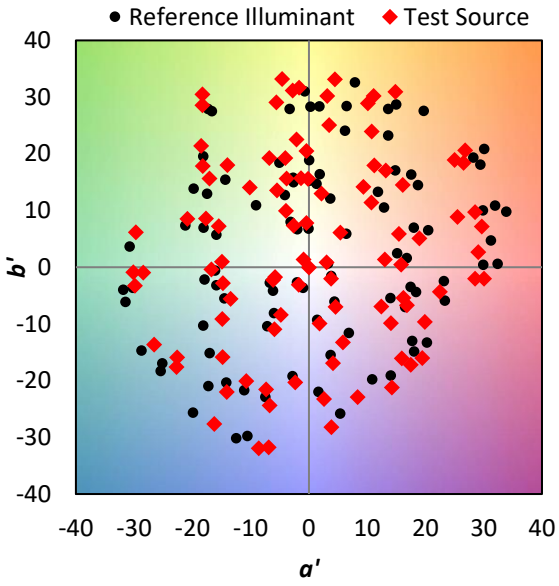
Summary

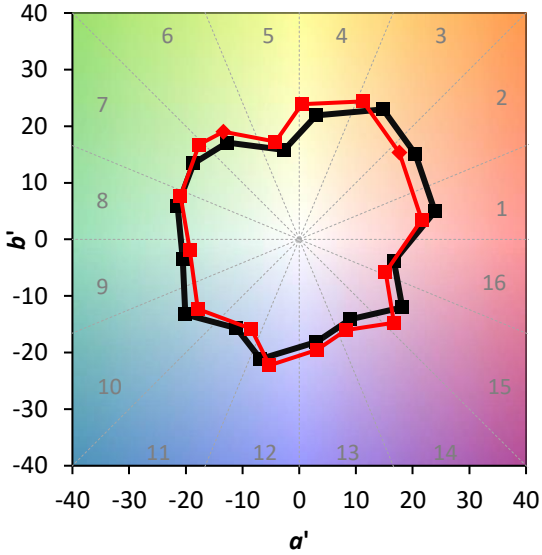
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

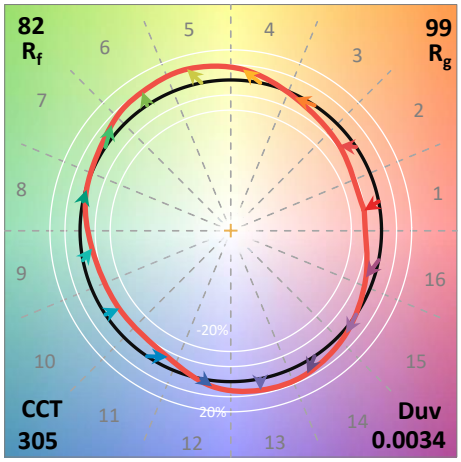
Spectral Power Distribution Comparison

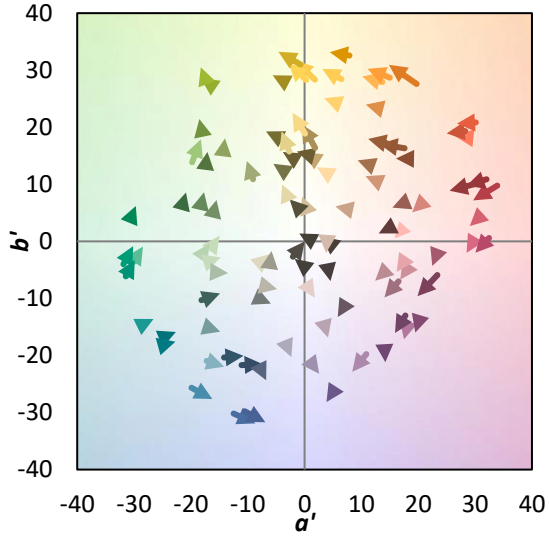


Color Vector Graphics









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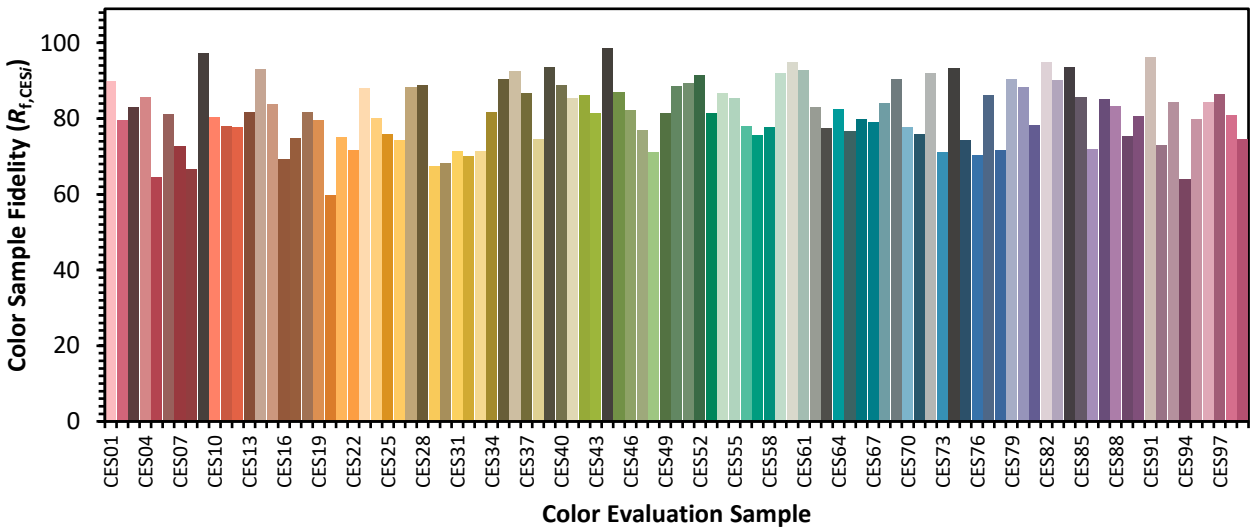
Individual Sample Fidelity Index ($R_{f,i}$)

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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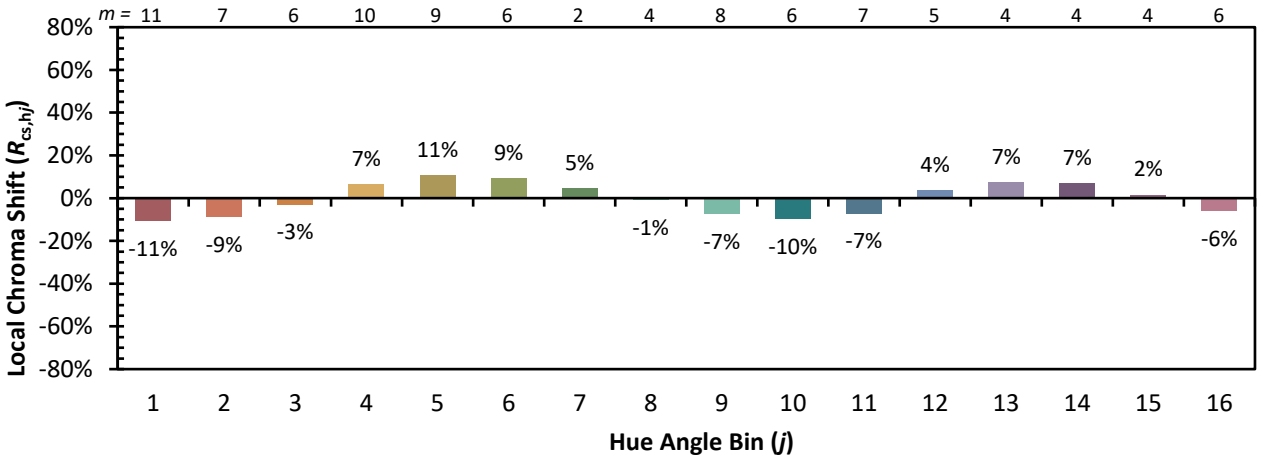
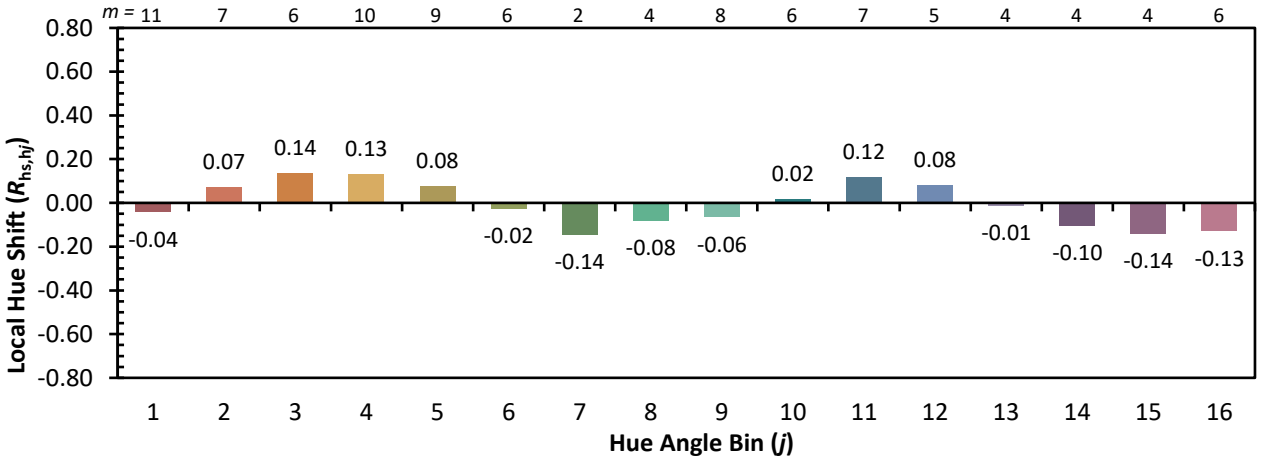
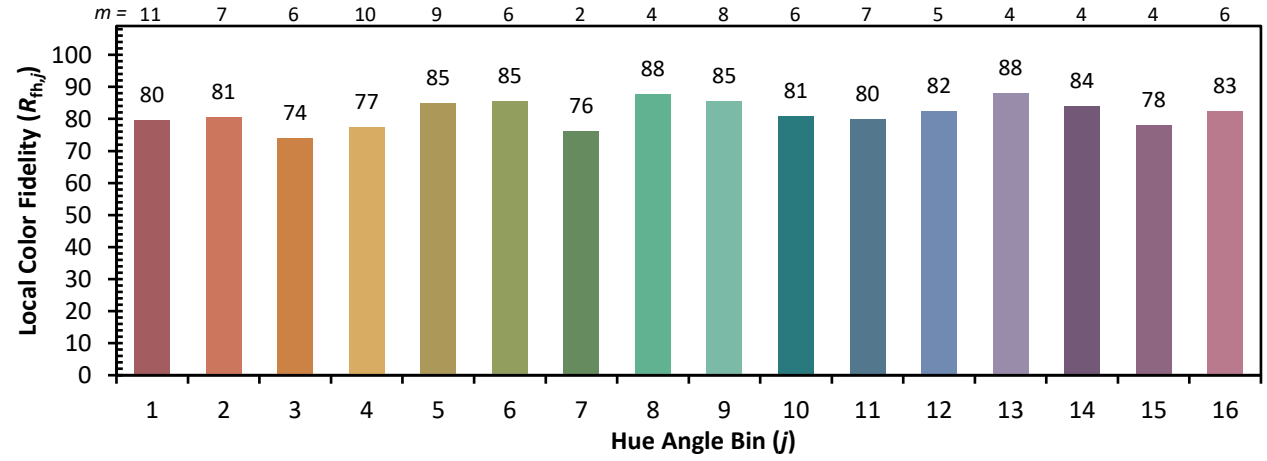
Color Rendition by Hue-Angle Bin







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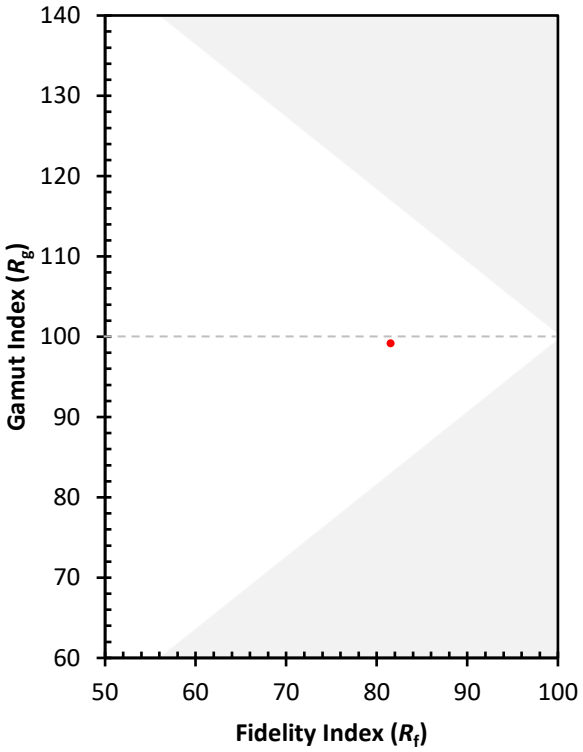
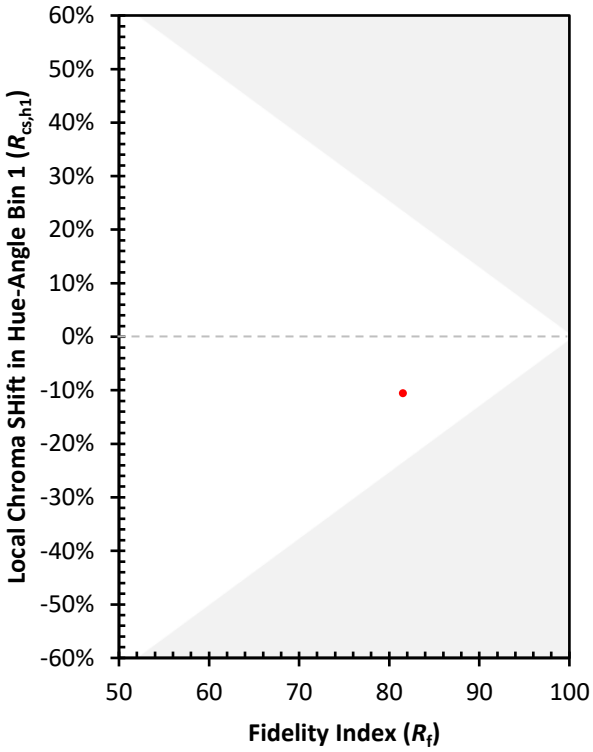
Measure Comparisons





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