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: P386511

Luminaire Tested: **GPC-SA2A-830-U-T3**

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:	P386511
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
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-T3
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7731 lumens
Efficiency:	N/A
Efficacy:	117.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - 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: P386511
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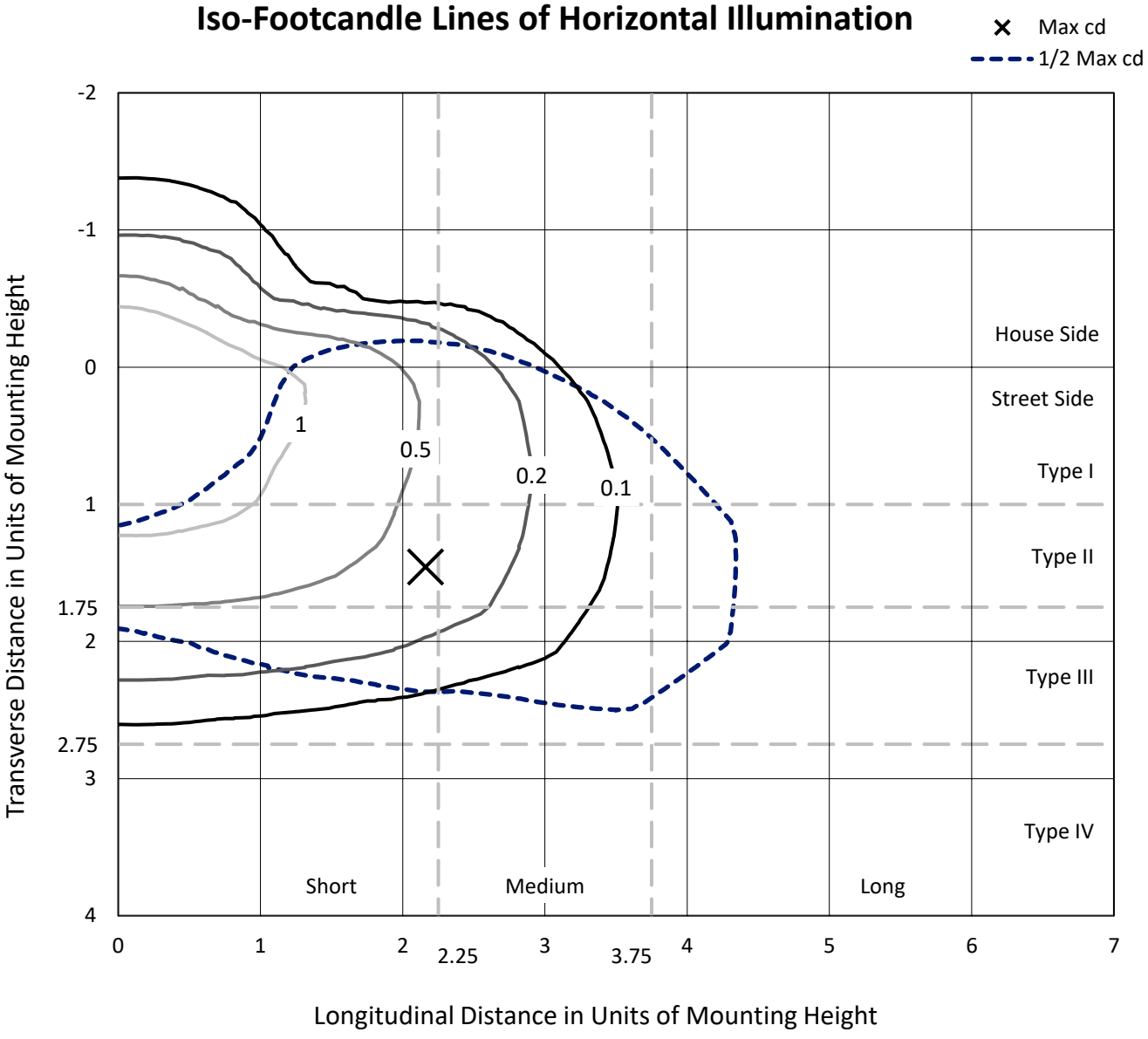
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type III - Short - N/A

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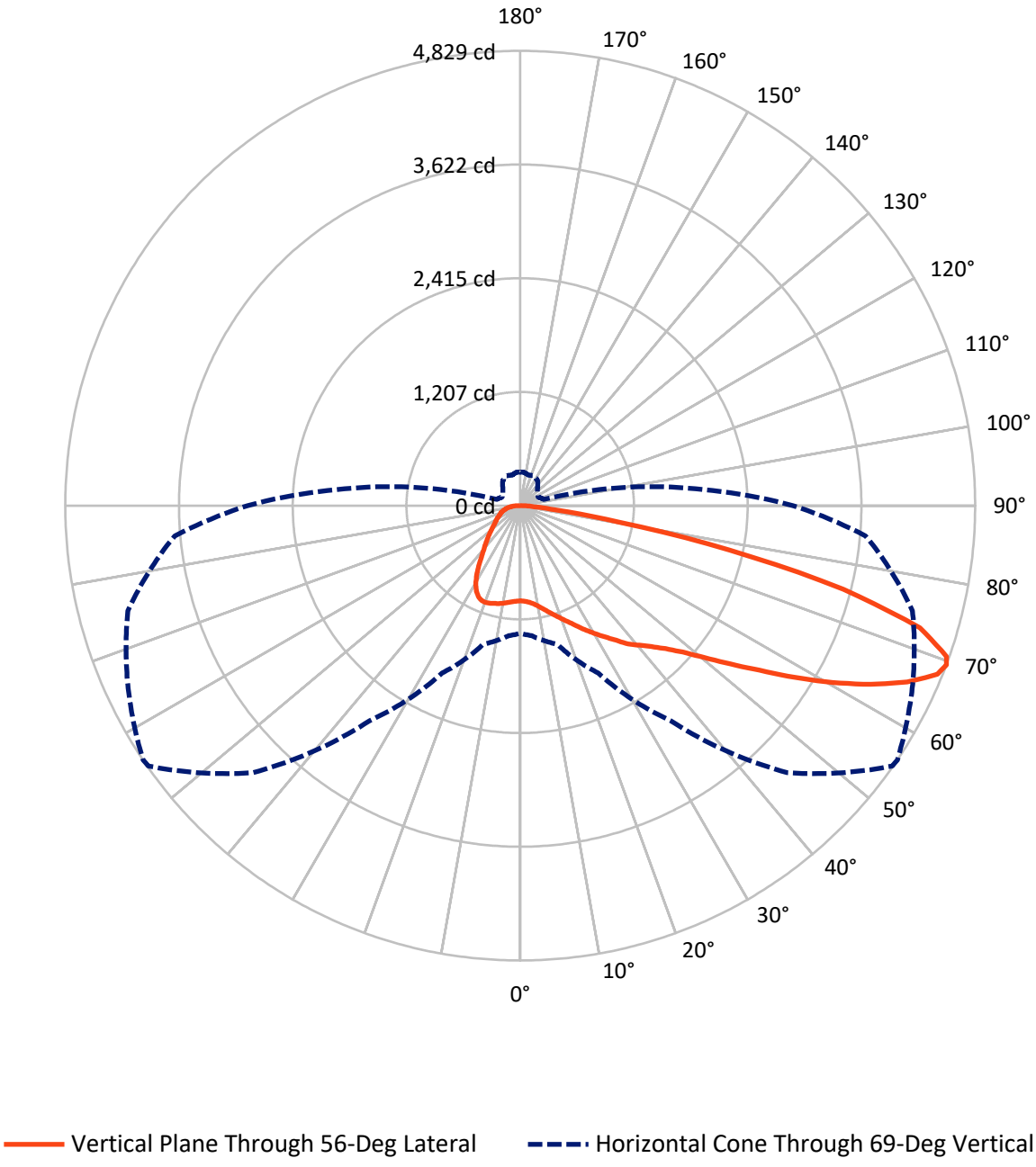
Luminous Intensity Polar Plot



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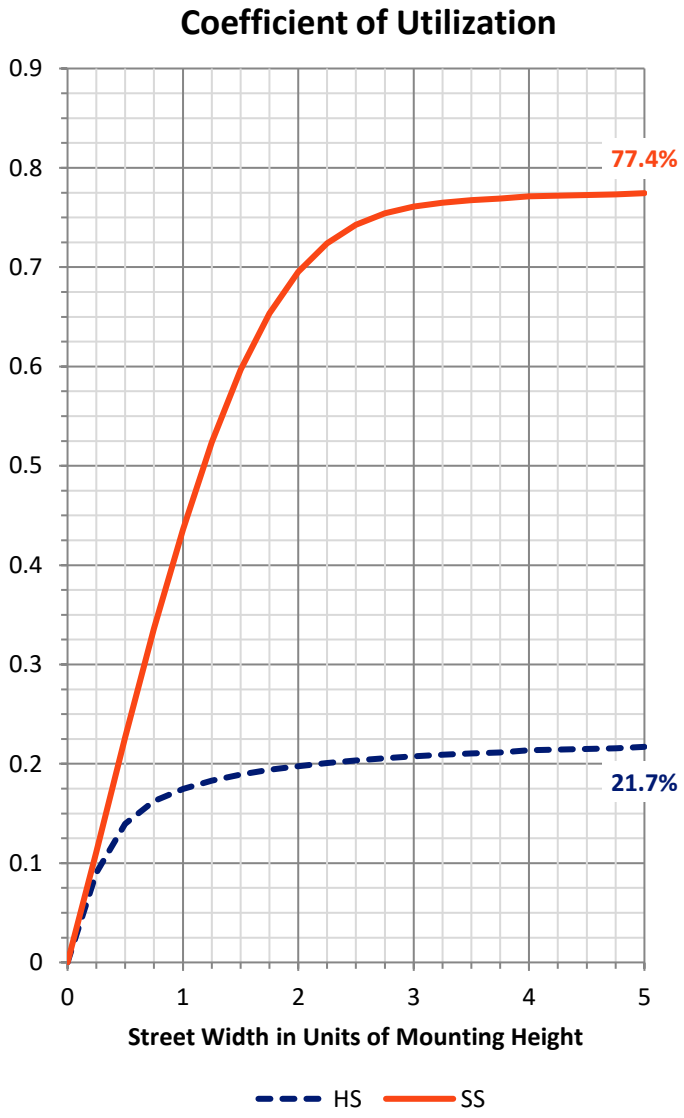
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1721.7	0.0	1721.7
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	6009.3	0.0	6009.3
	% Fixture	77.7	0.0	77.7
Total	Lumens	7731.0	0.0	7731.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	1.3
10°-20°	319.2	4.1
20°-30°	557.2	7.2
30°-40°	800.4	10.4
40°-50°	1107.7	14.3
50°-60°	1623.0	21.0
60°-70°	1978.7	25.6
70°-80°	1094.0	14.2
80°-90°	151.5	2.0
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°	7731.0	100.0
0°-180°	7731.0	100.0



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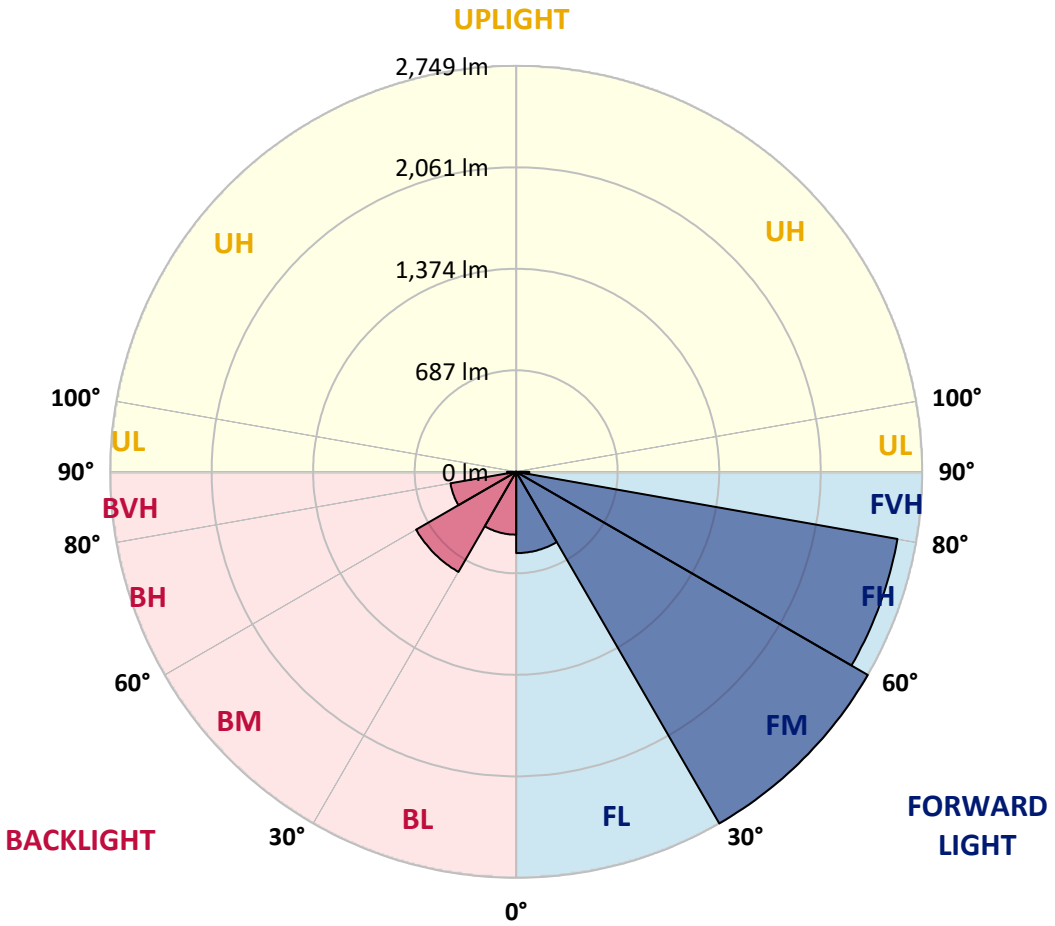
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	550.2	7.1			
FM	(30°-60°)	2748.7	35.6			
FH	(60°-80°)	2621.2	33.9			G2/5000
FVH	(80°-90°)	89.2	1.2			G1/100
BL	(0°-30°)	425.5	5.5	B1/500		
BM	(30°-60°)	782.5	10.1	B1/1000		
BH	(60°-80°)	451.5	5.8	B1/500		G1/500
BVH	(80°-90°)	62.3	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	*1010.7*	1010.7	1010.7	1010.7
2.5°	1017.1	1018.2	1017.4	1019.5	1017.1	1018.7	1017.4	*1017.4*	1016.6	1014.2	1011.5
5°	1033.1	1035.2	1033.9	1036.0	1033.1	1033.6	1031.2	*1031.2*	1028.8	1023.8	1018.4
7.5°	1058.1	1060.5	1059.4	1061.6	1057.6	1057.6	1054.4	*1054.1*	1049.3	1041.1	1034.9
10°	1087.9	1091.1	1090.1	1093.3	1090.1	1091.1	1087.9	*1087.9*	1081.6	1069.8	1062.1
12.5°	1131.4	1135.4	1132.4	1132.2	1130.8	1133.0	1130.3	*1129.8*	1123.9	1107.9	1097.3
15°	1189.4	1193.7	1187.6	1187.0	1179.6	1178.8	1178.8	*1178.0*	1174.2	1155.1	1137.5
17.5°	1256.3	1257.6	1252.3	1243.7	1234.2	1228.0	1227.2	*1229.4*	1229.4	1207.0	1179.0
20°	1321.8	1324.2	1319.9	1310.3	1298.1	1289.0	1282.6	*1286.9*	1286.6	1260.0	1220.3
22.5°	1393.2	1398.8	1392.4	1380.1	1365.7	1355.6	1344.4	*1348.1*	1348.4	1315.7	1260.8
25°	1485.6	1480.5	1476.5	1459.2	1438.7	1428.3	1417.9	*1421.7*	1420.6	1375.6	1302.6
27.5°	1567.3	1568.4	1563.1	1544.7	1521.0	1498.1	1497.6	*1500.0*	1496.0	1437.9	1342.0
30°	1662.4	1662.9	1655.5	1639.0	1613.1	1583.6	1576.7	*1580.7*	1572.1	1497.0	1383.6
32.5°	1757.0	1759.6	1751.4	1731.4	1710.6	1674.7	1660.8	*1663.5*	1642.2	1557.5	1426.4
35°	1839.8	1843.5	1840.9	1827.5	1804.9	1774.0	1757.5	*1755.9*	1729.5	1631.5	1483.2
37.5°	1924.2	1927.7	1924.7	1913.6	1904.5	1871.7	1863.0	*1863.0*	1817.2	1707.2	1555.4
40°	2011.0	2016.4	2012.9	1997.5	1989.7	1974.8	1953.8	*1948.7*	1899.2	1798.0	1673.1
42.5°	2091.7	2098.7	2112.5	2103.5	2087.7	2089.9	2047.5	*2044.9*	2008.6	1932.2	1820.9
45°	2206.3	2216.4	2239.8	2232.9	2229.7	2218.0	2167.6	*2165.2*	2151.4	2112.8	2004.4
47.5°	2331.2	2345.0	2387.4	2388.7	2423.0	2400.9	2332.5	*2324.2*	2327.4	2329.0	2228.4
50°	2446.2	2461.4	2530.9	2563.7	2644.6	2649.4	2540.0	*2532.5*	2545.0	2581.8	2489.4
52.5°	2538.1	2557.3	2644.1	2745.3	2884.1	2923.5	2795.4	*2789.8*	2799.1	2862.5	2784.5
55°	2605.5	2626.3	2720.8	2905.1	3126.7	3196.2	3089.4	*3084.1*	3089.9	3170.6	3105.4
57.5°	2621.2	2626.3	2763.4	3012.7	3331.5	3498.5	3449.2	*3438.6*	3409.8	3480.1	3459.6
60°	2547.4	2567.7	2728.3	3050.5	3490.0	3796.5	3825.3	*3811.9*	3731.2	3788.8	3772.3
62.5°	2397.7	2434.0	2597.0	2993.0	3552.0	4039.9	4194.1	*4178.1*	4039.1	4076.4	3997.0
65°	2153.3	2168.7	2340.0	2794.6	3473.2	4195.7	4523.0	*4515.0*	4340.1	4281.7	4038.6
67.5°	1715.9	1745.0	1890.4	2379.9	3150.7	4177.3	4777.4	*4776.6*	4536.6	4357.9	3891.3
69°	*1355.6*	*1385.7*	*1524.2*	*1960.4*	*2787.9*	*4009.3*	*4820.0*	*4829.3*	*4592.0*	*4311.6*	*3680.9*
70°	1080.8	1115.6	1210.7	1651.2	2465.9	3787.7	4784.6	*4801.3*	4581.4	4235.1	3486.8
72.5°	459.9	488.2	555.8	851.2	1502.9	2828.4	4374.7	*4438.1*	4334.5	3876.1	2881.7
75°	200.8	209.6	240.2	347.0	667.1	1539.4	3427.1	*3544.3*	3706.2	3276.4	2146.6
77.5°	147.0	150.7	167.5	203.7	299.4	581.4	2203.9	*2272.0*	2672.9	2384.2	1316.7
80°	113.7	116.4	129.4	149.7	195.5	235.2	1005.1	*1063.7*	1502.9	1224.6	548.4
82.5°	90.6	92.4	101.5	110.3	135.0	142.5	333.7	*370.2*	554.8	338.2	145.1
85°	84.2	86.3	89.5	80.4	86.6	83.6	144.3	*151.0*	167.5	132.9	60.7
87.5°	38.1	45.0	88.7	62.6	46.1	36.8	59.1	*61.8*	69.5	69.8	26.9
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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Scaled Data Report

REPORT NUMBER: P386511
CATALOG NUMBER: GPC-SA2A-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7	1010.7
2.5°	1013.1	1012.3	1013.6	1010.4	1014.4	1014.2	1012.8	1013.4	1016.0	1015.8	1016.0
5°	1019.2	1018.7	1020.3	1017.9	1022.7	1024.3	1024.6	1027.0	1029.9	1030.7	1030.7
7.5°	1034.7	1034.7	1035.5	1032.3	1035.5	1035.2	1033.9	1036.3	1039.2	1039.5	1039.2
10°	1061.3	1061.6	1060.2	1052.0	1049.3	1042.1	1035.5	1035.7	1039.5	1042.4	1043.2
12.5°	1094.9	1093.8	1087.9	1072.8	1061.6	1046.9	1040.0	1039.7	1043.5	1045.9	1046.7
15°	1133.2	1130.3	1115.1	1090.3	1070.6	1056.3	1045.1	1042.4	1040.3	1037.6	1037.9
17.5°	1169.4	1162.8	1137.5	1103.1	1082.4	1063.2	1041.6	1024.3	1012.3	1005.4	1003.3
20°	1206.2	1193.1	1156.7	1115.1	1088.7	1053.9	1012.3	977.2	955.3	945.2	943.3
22.5°	1239.8	1218.7	1174.5	1127.6	1083.7	1022.4	957.2	906.0	875.7	862.1	863.2
25°	1272.5	1243.2	1193.1	1136.4	1058.1	967.0	880.5	817.6	782.5	767.3	766.8
27.5°	1301.3	1268.0	1213.4	1129.2	1010.4	888.2	789.7	728.4	699.1	686.1	683.9
30°	1334.3	1299.1	1240.3	1101.8	940.7	797.1	701.0	657.8	637.1	624.0	621.6
32.5°	1374.5	1341.5	1262.4	1052.0	851.4	702.0	631.7	601.6	582.7	568.1	565.4
35°	1433.1	1397.4	1268.0	980.6	753.4	626.9	580.9	550.0	524.4	505.5	503.6
37.5°	1506.6	1467.5	1255.2	888.2	658.4	578.2	538.5	500.4	467.1	440.5	436.2
40°	1612.6	1553.5	1219.8	781.7	588.3	540.6	497.2	453.8	412.5	381.4	375.3
42.5°	1739.9	1654.4	1165.4	675.7	536.9	502.6	456.2	402.4	363.0	340.9	337.7
45°	1901.8	1759.4	1090.1	583.0	486.3	464.5	412.0	362.5	338.0	321.7	319.1
47.5°	2086.7	1877.1	1011.0	507.6	443.4	428.8	376.6	344.6	325.2	312.4	310.0
50°	2313.9	2010.0	927.1	445.8	400.3	385.9	359.8	334.8	319.3	309.5	307.1
52.5°	2570.1	2159.9	866.6	397.1	364.6	354.2	351.0	329.4	316.9	309.5	307.1
55°	2846.0	2312.5	801.4	356.1	333.7	336.6	345.2	330.0	321.5	312.4	308.9
57.5°	3122.2	2470.2	728.7	321.5	309.2	323.6	341.2	331.0	323.9	315.1	311.9
60°	3340.5	2570.1	616.0	292.4	289.8	309.2	331.6	323.1	313.7	314.0	313.5
62.5°	3442.5	2564.7	491.6	266.6	270.3	289.8	316.1	310.5	302.8	313.2	314.0
65°	3385.3	2436.9	382.7	243.2	249.5	269.5	300.2	304.4	307.1	327.0	329.7
67.5°	3145.1	2188.1	296.4	222.6	230.6	255.7	301.7	331.6	335.0	356.1	355.8
69°	*2896.6*	*1954.8*	*257.5*	*212.0*	*221.3*	*259.1*	*322.5*	*348.9*	*335.8*	*358.2*	*355.0*
70°	2688.3	1770.3	236.8	204.8	217.1	265.3	336.4	348.6	331.8	351.0	345.7
72.5°	2070.4	1273.6	200.8	191.5	202.7	253.8	340.4	340.9	322.5	326.3	317.2
75°	1420.1	804.8	175.2	173.4	180.8	228.8	327.6	325.7	298.3	293.0	285.5
77.5°	783.0	408.8	148.9	156.1	161.1	202.7	297.8	295.1	272.5	261.3	258.6
80°	302.0	179.0	125.7	138.8	142.0	175.5	261.0	258.6	239.7	225.3	221.3
82.5°	114.0	93.7	103.9	120.1	119.0	144.9	221.1	219.7	201.3	180.3	173.9
85°	52.7	56.2	82.3	99.1	91.4	107.3	176.8	179.2	156.9	131.8	131.8
87.5°	22.4	31.4	58.3	74.8	61.5	72.4	129.7	123.8	113.7	78.8	74.0
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

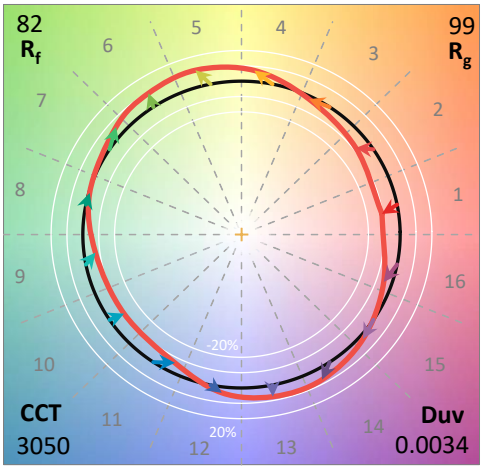
Test Information

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

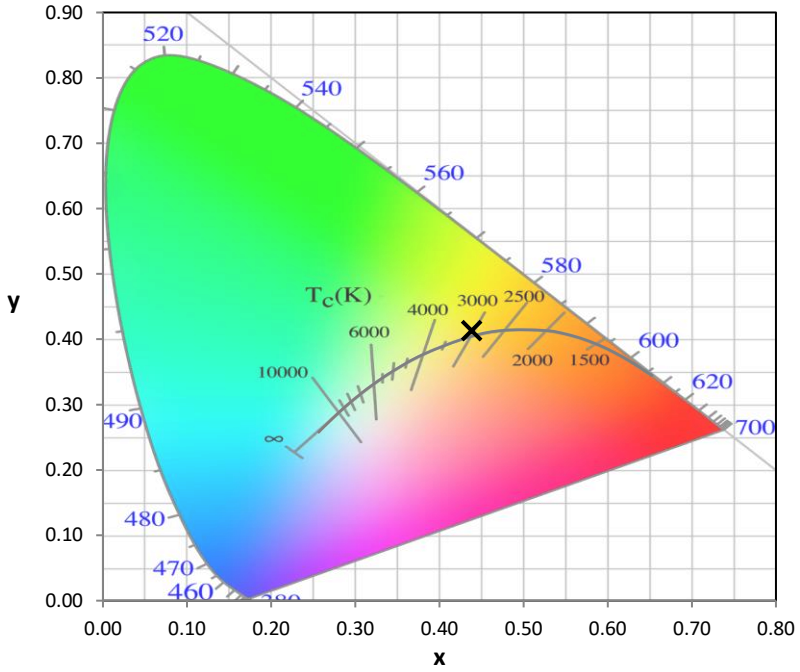
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

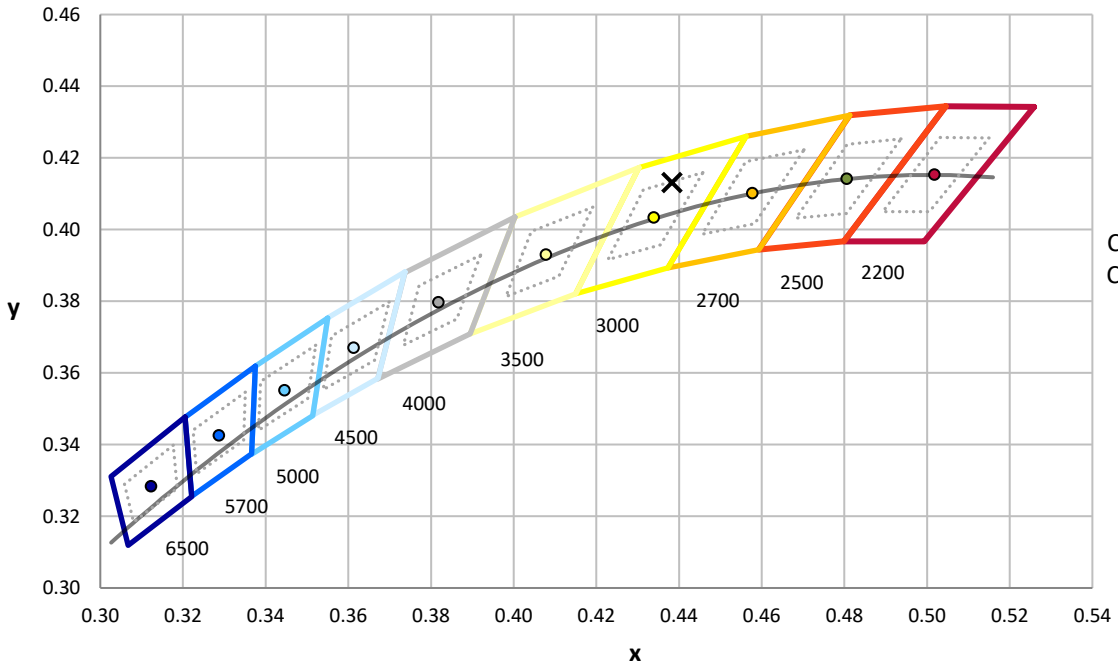
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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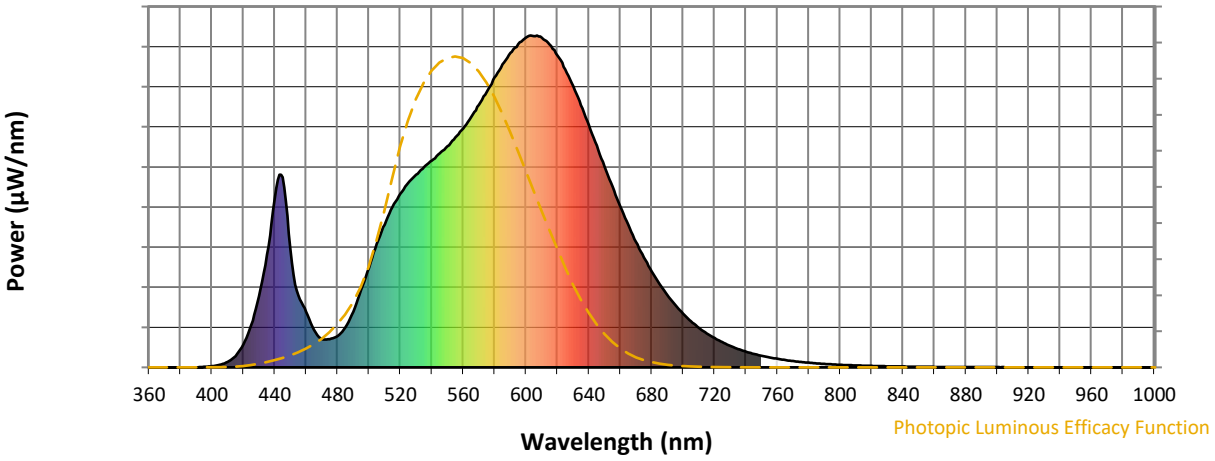
Photopic Flux vs. Wavelength



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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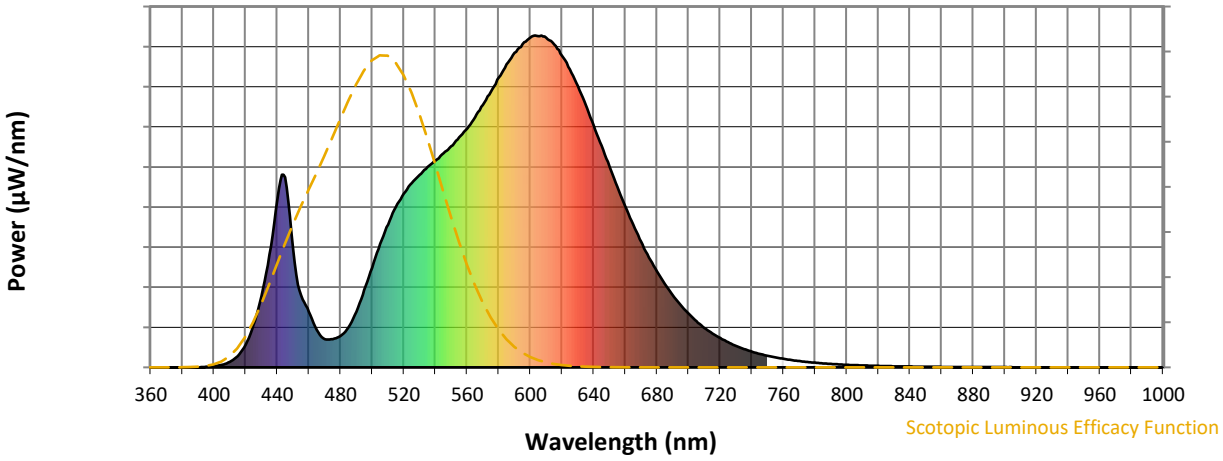
Scotopic Flux vs. Wavelength



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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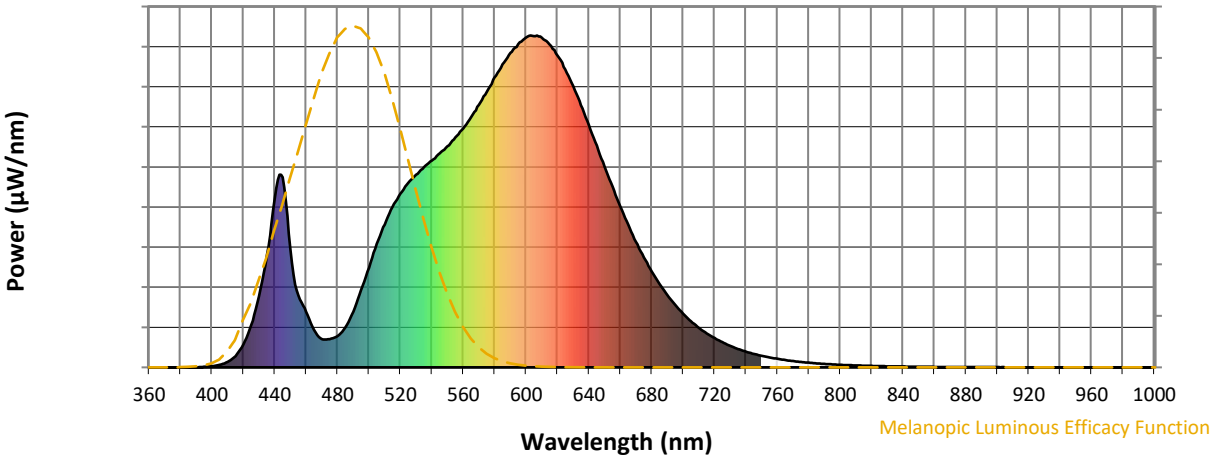
Melanopic Flux vs. Wavelength



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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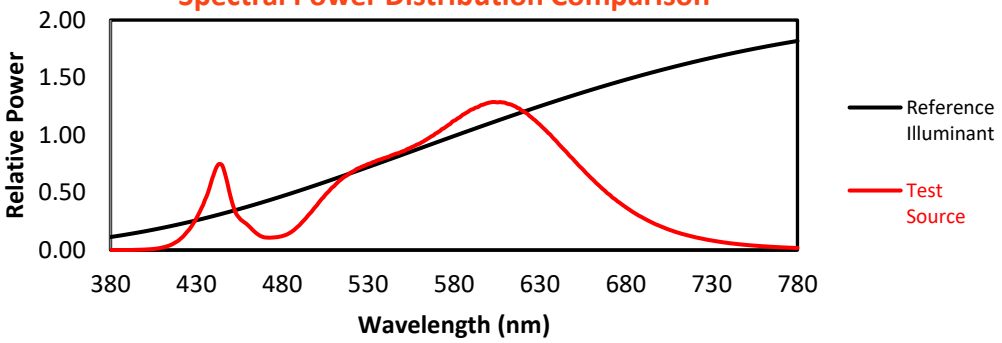
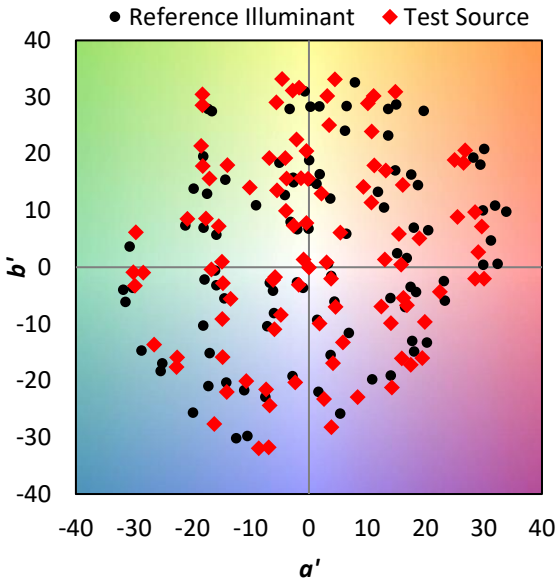
Summary

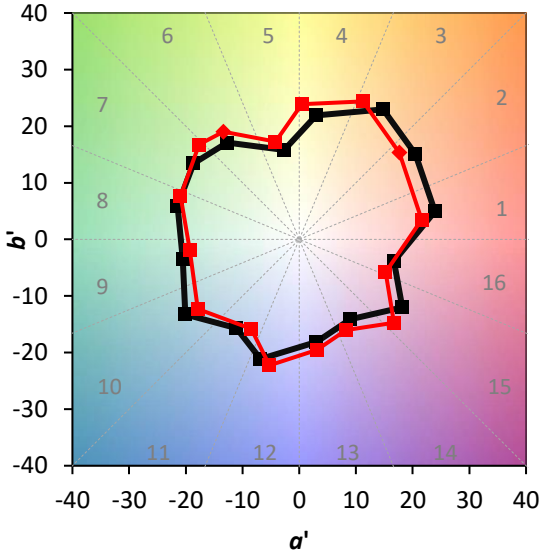
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

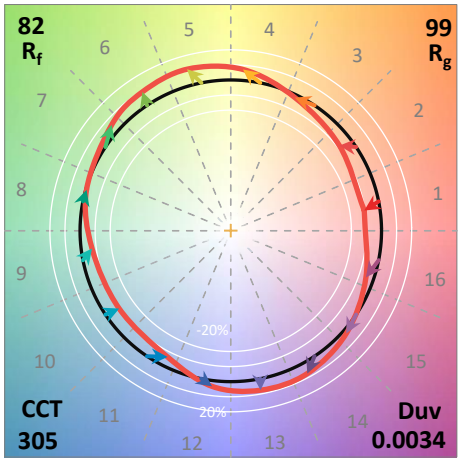
Spectral Power Distribution Comparison

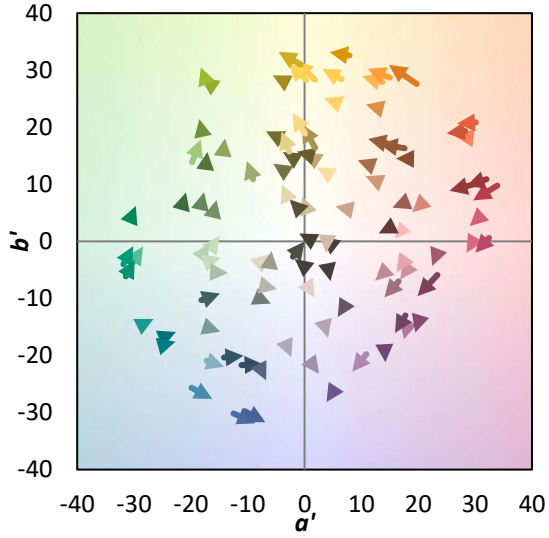


Color Vector Graphics









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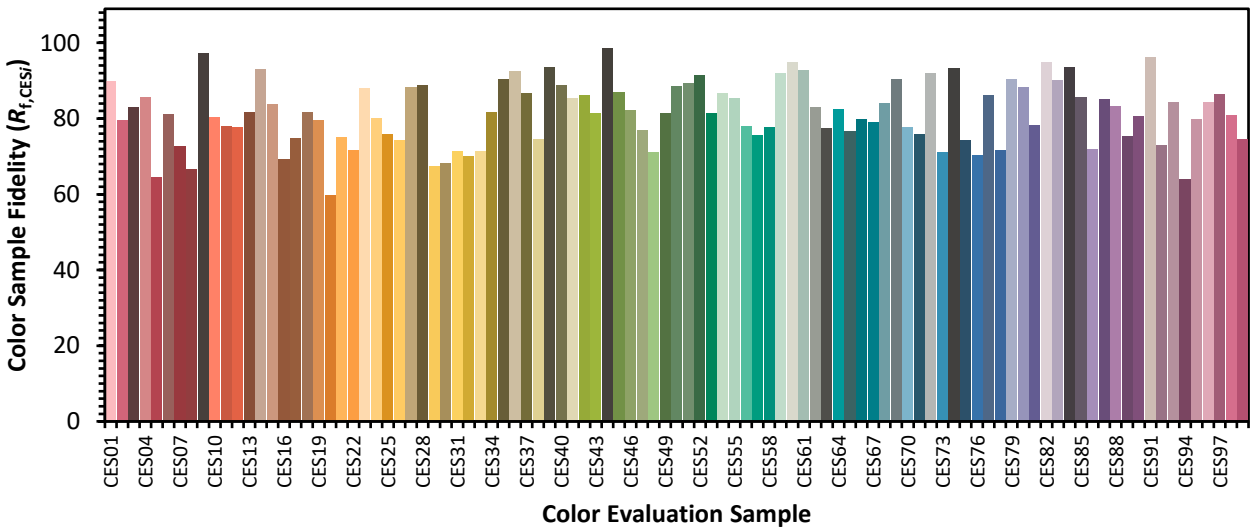
Individual Sample Fidelity Index ($R_{f,i}$)

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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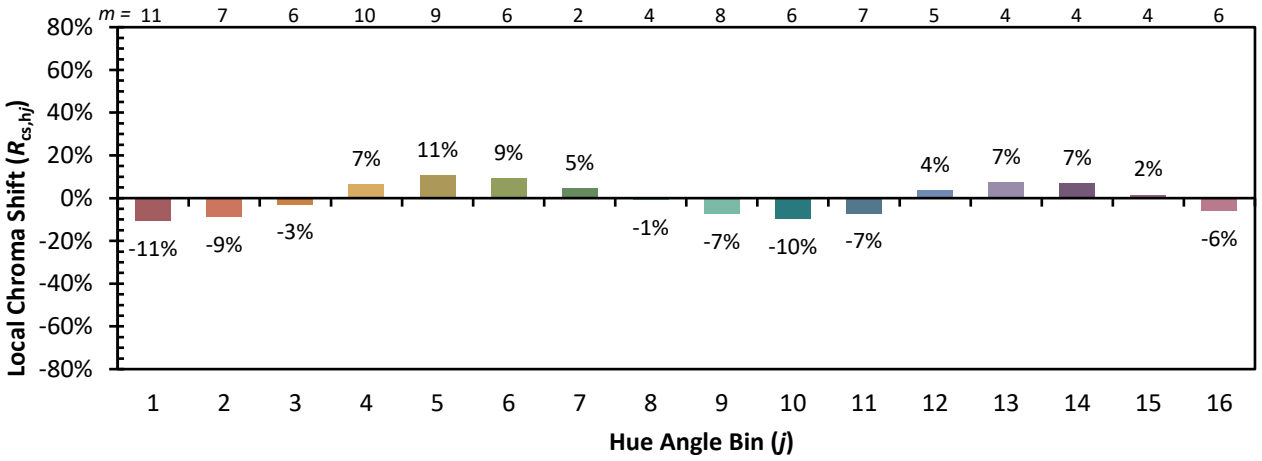
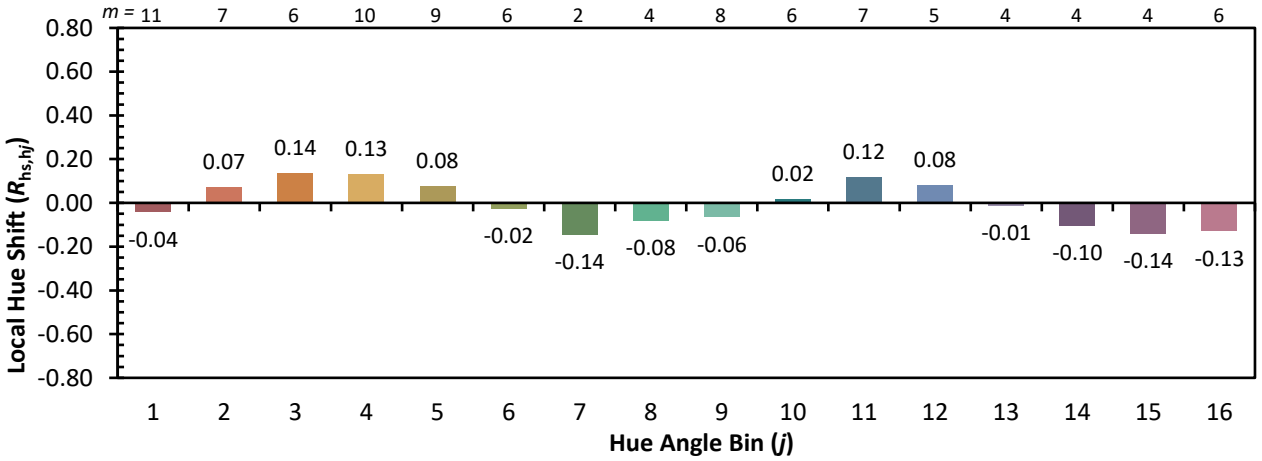
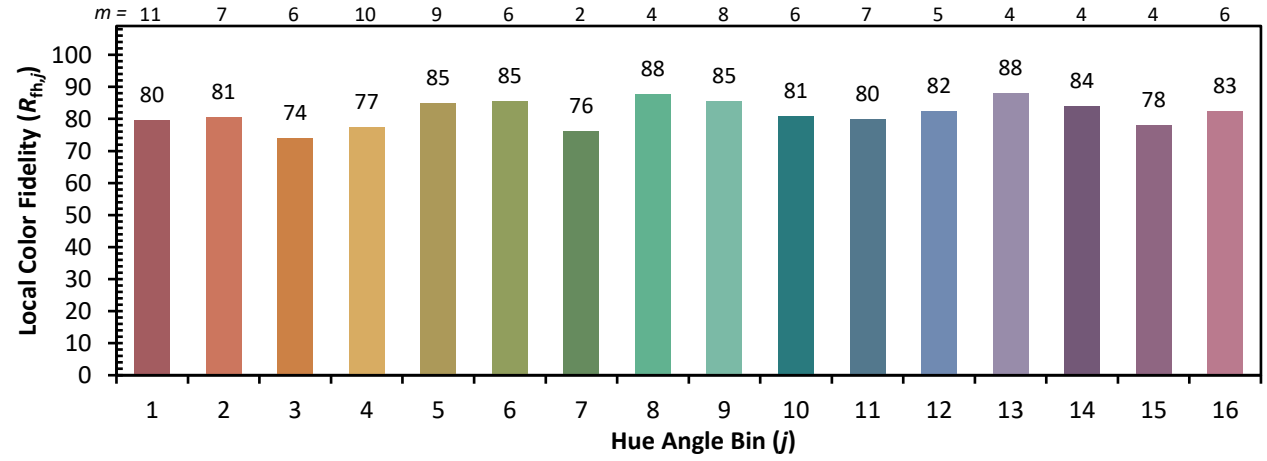
Color Rendition by Hue-Angle Bin







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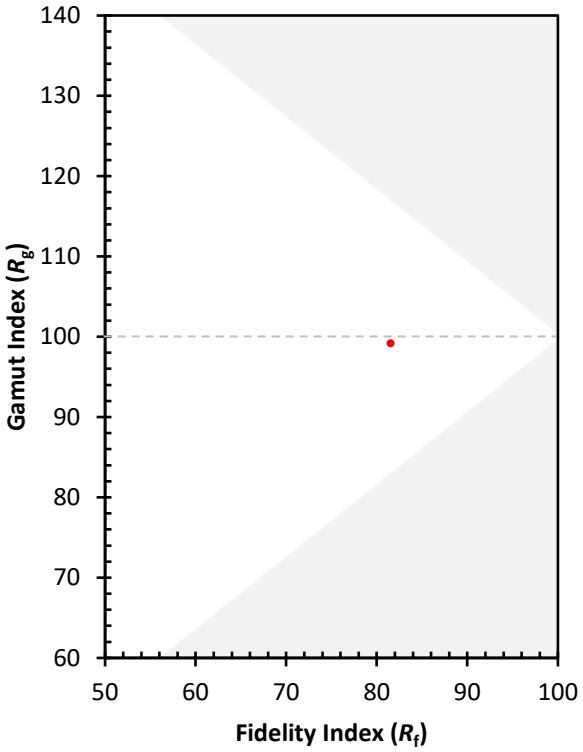
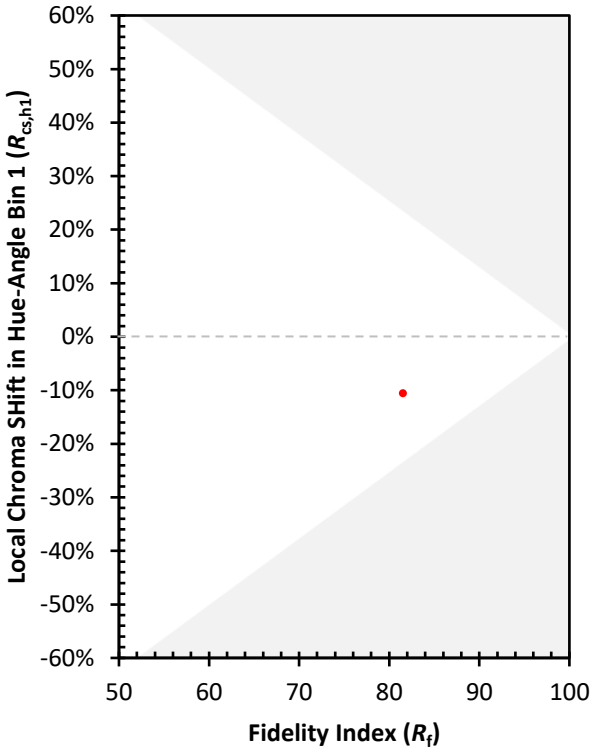
Measure Comparisons





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