

Signify Classified - Internal
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: STREETWORKS

Report Number: P1057640

Luminaire Tested: **GAP-SA1A-830-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1057640
Test Lab: INNOVATION CENTER(G1)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-SA1A-830-U-T4BC
Description: GALLEON PEDESTRAIAN COMPANION 615mA 1xLight Square PACKAGE 80CRI
3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2841.5 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29.4
Input Voltage (V): 120
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

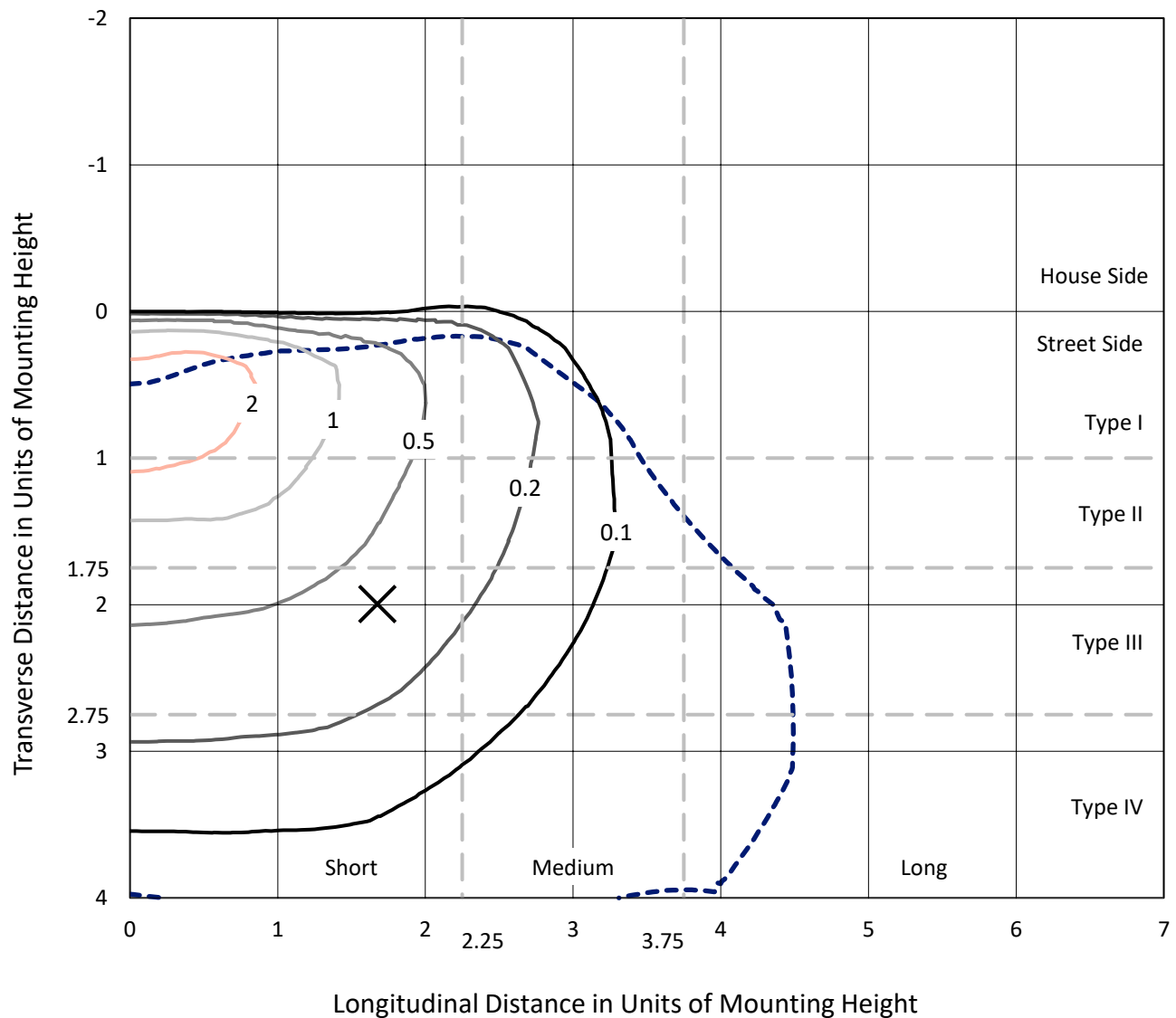


REPORT NUMBER: P1057640

CATALOG NUMBER: GAP-SA1A-830-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

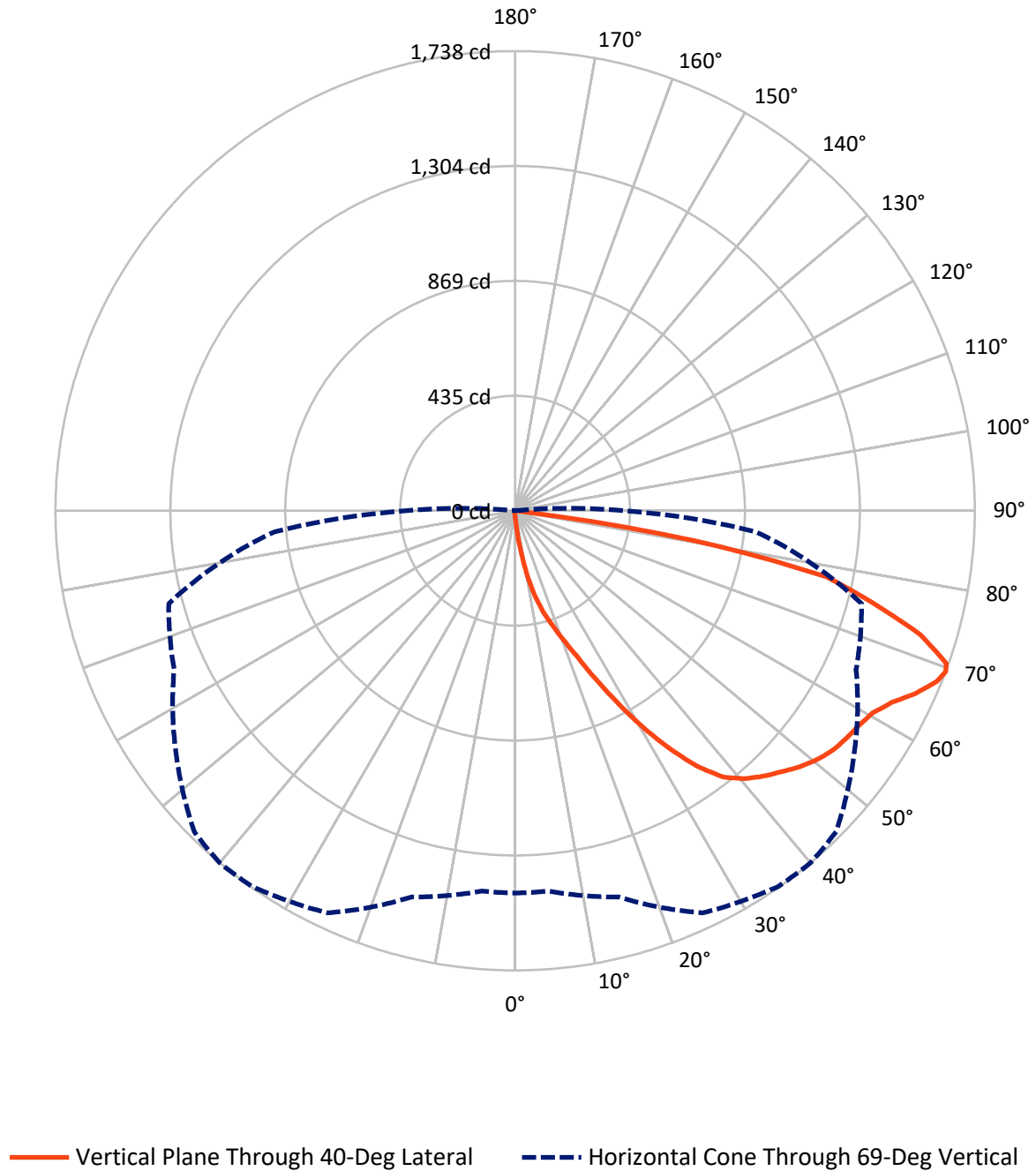


Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P1057640

CATALOG NUMBER: GAP-SA1A-830-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1057640

CATALOG NUMBER: GAP-SA1A-830-U-T4BC

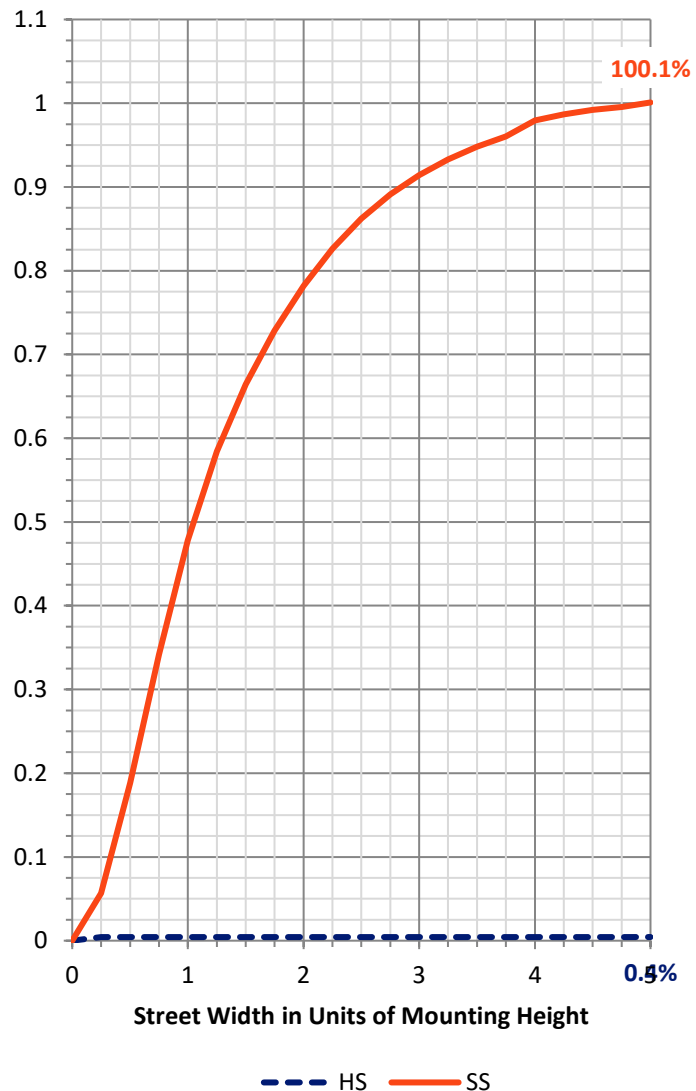
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12.5	0.0	12.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	2829.0	0.0	2829.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	2841.5	0.0	2841.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.2
10°-20°	45.4	1.6
20°-30°	136.7	4.8
30°-40°	300.9	10.6
40°-50°	462.5	16.3
50°-60°	569.5	20.0
60°-70°	718.9	25.3
70°-80°	553.0	19.5
80°-90°	48.6	1.7
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°	2841.5	100.0
0°-180°	2841.5	100.0



REPORT NUMBER: P1057640

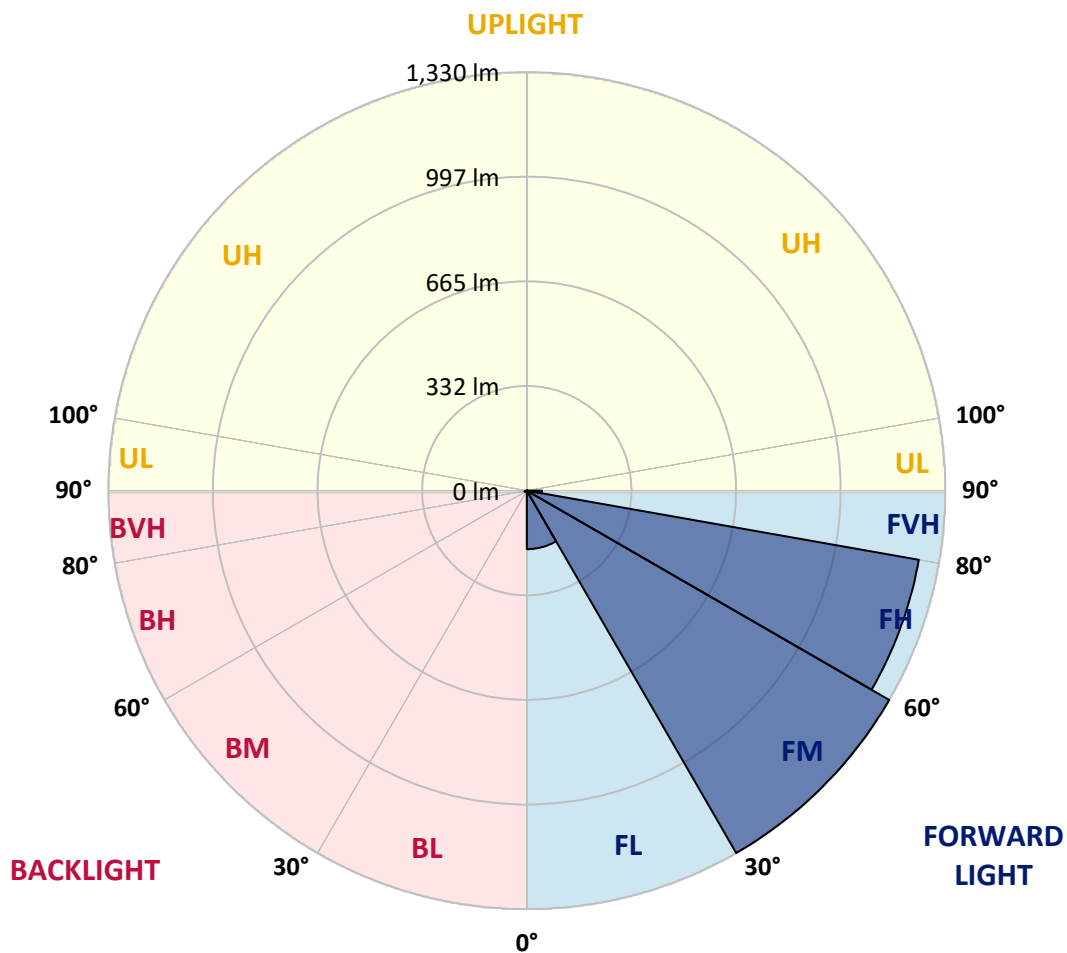
CATALOG NUMBER: GAP-SA1A-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	185.9	6.5			
FM	(30°-60°)	1329.8	46.8			
FH	(60°-80°)	1264.8	44.5			G1/1800
FVH	(80°-90°)	48.5	1.7			G1/100
BL	(0°-30°)	2.1	0.1	B0/110		
BM	(30°-60°)	3.0	0.1	B0/220		
BH	(60°-80°)	7.1	0.3	B0/110		G0/110
BVH	(80°-90°)	0.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



REPORT NUMBER: P1057640

CATALOG NUMBER: GAP-SA1A-830-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
2.5°	46.4	45.8	43.7	41.0	38.9	37.3	35.2	32.0	28.8	25.0	22.4
5°	121.5	121.0	112.5	101.8	87.4	77.8	68.2	52.8	40.0	30.9	23.5
7.5°	224.9	223.3	215.3	198.8	168.4	151.9	134.3	94.3	61.3	38.4	25.0
10°	327.2	326.2	316.1	292.1	259.0	242.5	219.1	161.0	96.5	50.1	27.2
12.5°	387.5	390.1	382.7	371.5	343.2	327.8	301.1	234.0	148.2	68.8	29.8
15°	437.0	438.1	431.2	424.2	408.8	396.0	373.6	311.8	210.0	93.8	33.0
17.5°	498.3	496.7	489.3	481.3	464.2	454.6	440.2	383.7	276.1	129.5	37.3
20°	576.1	571.9	563.4	549.5	530.8	519.1	504.2	457.3	342.2	169.0	42.6
22.5°	675.8	670.5	661.4	648.6	615.6	597.5	578.3	520.2	415.2	219.1	49.6
25°	790.9	788.3	778.7	760.6	725.4	701.4	670.5	593.7	487.7	272.4	58.1
27.5°	926.3	921.5	908.7	887.4	849.6	818.1	779.7	674.7	557.0	328.8	68.8
30°	1077.7	1067.0	1040.9	1022.2	978.0	947.1	902.3	782.4	628.4	388.0	79.9
32.5°	1218.4	1204.5	1166.7	1141.1	1100.1	1072.3	1031.3	891.1	708.9	449.8	94.3
35°	1345.8	1330.8	1269.5	1230.6	1209.9	1186.4	1144.8	1015.3	795.7	515.9	110.9
37.5°	1453.4	1438.5	1359.6	1298.3	1285.5	1277.5	1244.0	1120.3	894.3	590.5	130.0
40°	1513.7	1504.1	1435.8	1366.6	1342.0	1332.4	1307.9	1208.3	1004.1	665.2	152.4
42.5°	1532.3	1526.4	1471.0	1436.9	1392.1	1372.9	1343.6	1275.4	1098.5	748.8	178.0
45°	1522.2	1515.8	1475.3	1483.3	1446.0	1408.7	1368.7	1321.2	1177.9	847.4	210.0
47.5°	1479.0	1476.9	1449.2	1494.5	1490.2	1447.6	1398.0	1351.6	1246.1	942.8	250.0
50°	1373.5	1372.4	1385.2	1479.0	1519.5	1479.5	1430.0	1378.8	1300.5	1038.2	301.1
52.5°	1231.2	1238.6	1303.1	1450.2	1528.0	1504.6	1462.0	1409.7	1345.2	1133.6	369.9
55°	1156.0	1162.4	1247.2	1418.8	1526.4	1519.5	1494.5	1439.6	1386.3	1212.0	461.6
57.5°	1213.1	1206.1	1245.0	1414.5	1519.5	1532.3	1517.9	1463.0	1423.6	1281.3	588.4
60°	1321.2	1319.1	1323.9	1444.9	1533.9	1553.1	1543.0	1479.0	1460.4	1334.0	728.0
62.5°	1430.5	1424.6	1429.4	1528.6	1584.0	1597.3	1585.1	1505.1	1489.1	1372.4	879.4
65°	1484.9	1480.6	1503.0	1612.8	1655.4	1664.5	1648.5	1547.2	1493.9	1392.1	974.8
67.5°	1477.9	1476.9	1529.1	1671.9	1715.1	1720.4	1707.1	1589.3	1473.7	1391.6	984.9
69°	1445.4	1443.3	1512.1	1677.8	1734.3	1738.0	1716.2	1568.0	1422.5	1355.9	913.0
70°	1407.1	1409.2	1487.0	1667.2	1734.8	1729.5	1678.9	1537.6	1383.6	1314.9	821.3
72.5°	1264.2	1277.5	1384.1	1597.3	1661.8	1602.1	1536.0	1438.0	1309.5	1120.8	573.5
75°	1057.4	1076.1	1213.6	1452.4	1428.9	1399.1	1391.1	1316.5	1186.4	744.6	407.7
77.5°	517.0	578.8	861.3	1115.5	1172.5	1202.9	1191.7	1088.3	953.5	365.6	266.0
80°	27.2	28.2	45.3	106.6	543.1	690.7	849.6	830.9	721.7	166.8	140.2
82.5°	14.4	14.4	16.0	18.7	21.9	26.1	69.3	475.9	429.0	85.8	52.2
85°	8.0	8.0	9.6	12.8	16.5	19.2	21.9	28.8	92.2	30.9	8.5
87.5°	3.7	4.8	6.4	9.1	11.7	14.9	17.1	21.3	27.2	26.1	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



REPORT NUMBER: P1057640

CATALOG NUMBER: GAP-SA1A-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
2.5°	20.8	19.7	18.1	17.1	16.5	15.5	14.4	13.9	13.3	12.8	13.3
5°	20.8	19.2	16.5	14.9	13.9	12.3	11.2	10.7	10.1	9.6	9.6
7.5°	20.8	18.1	14.9	12.8	11.2	10.1	8.5	8.0	7.5	6.9	6.9
10°	21.3	17.1	13.3	11.2	9.6	8.0	6.9	5.9	5.3	5.3	5.3
12.5°	21.3	16.0	11.7	9.6	8.0	6.4	4.8	3.7	3.2	3.2	3.2
15°	21.3	14.9	10.7	8.0	6.4	4.8	2.7	1.6	1.1	1.1	0.5
17.5°	21.9	14.4	9.6	6.9	4.8	2.7	0.5	0.0	0.0	0.0	0.0
20°	22.9	13.9	8.5	5.9	3.2	1.1	0.0	0.0	0.0	0.0	0.0
22.5°	24.0	13.3	7.5	4.3	1.6	0.5	0.0	0.0	0.0	0.0	0.0
25°	26.1	13.3	6.9	3.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	28.2	13.3	5.3	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
30°	29.8	13.3	4.8	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	32.0	13.3	4.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	33.6	12.8	3.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	35.2	12.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	37.3	11.7	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	39.4	10.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	42.1	10.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	45.8	9.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	51.2	9.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	60.2	9.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	75.1	9.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	101.3	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	152.4	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	235.6	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	360.3	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	456.8	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69°	412.5	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	349.6	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	194.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	101.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	43.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	12.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	4.3	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.6	1.1	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	0.5	0.5	0.5	0.5	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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

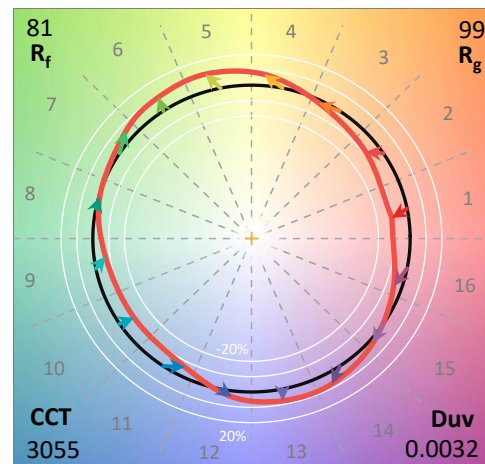
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

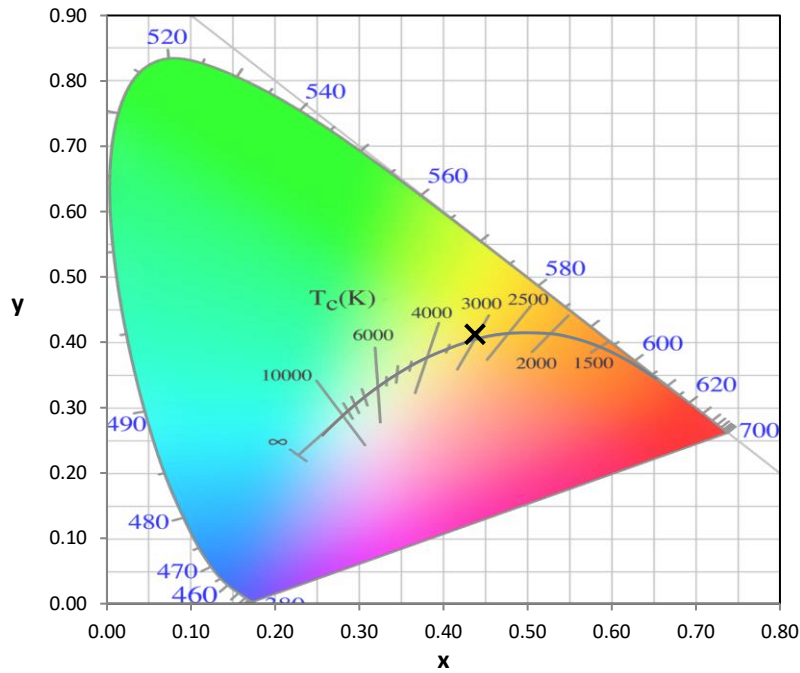
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

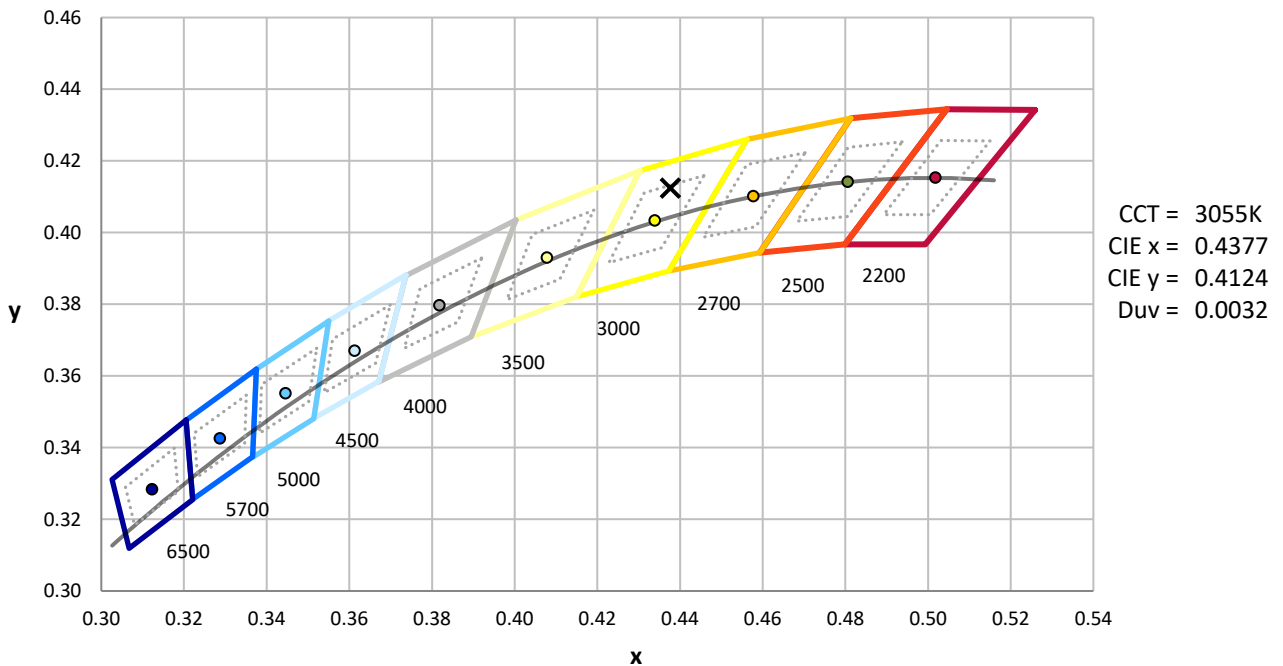
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



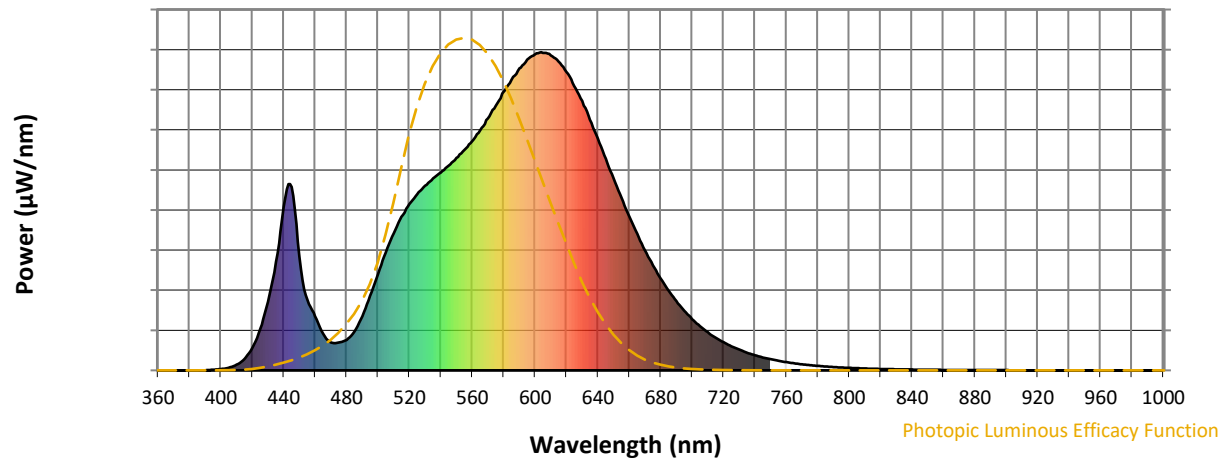
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

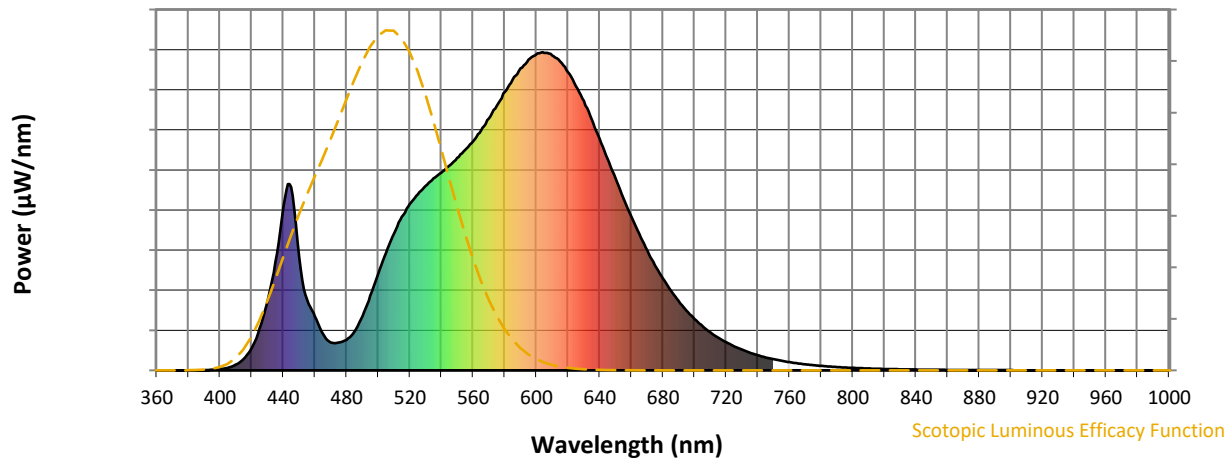


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



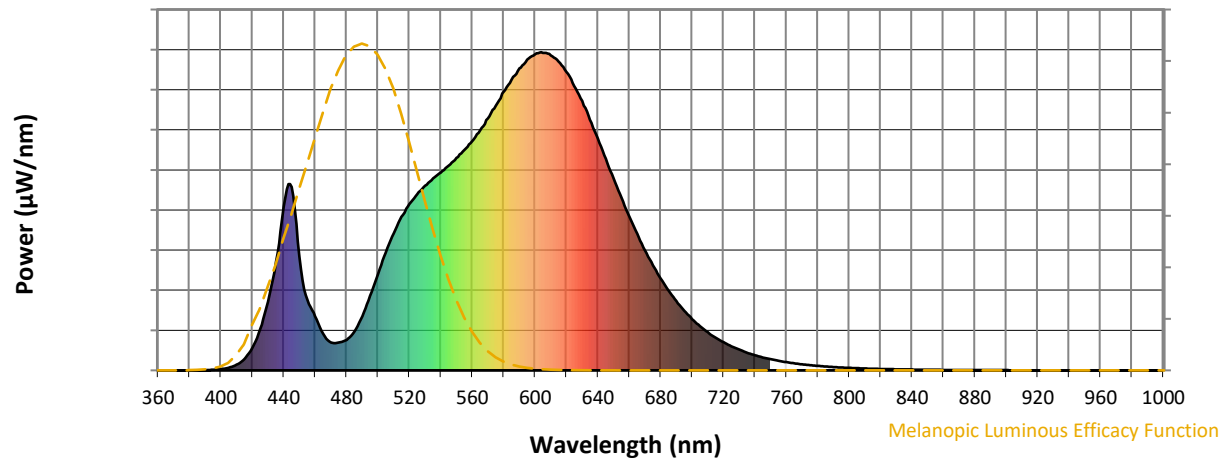
Scotopic Lumens: NR

S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.33

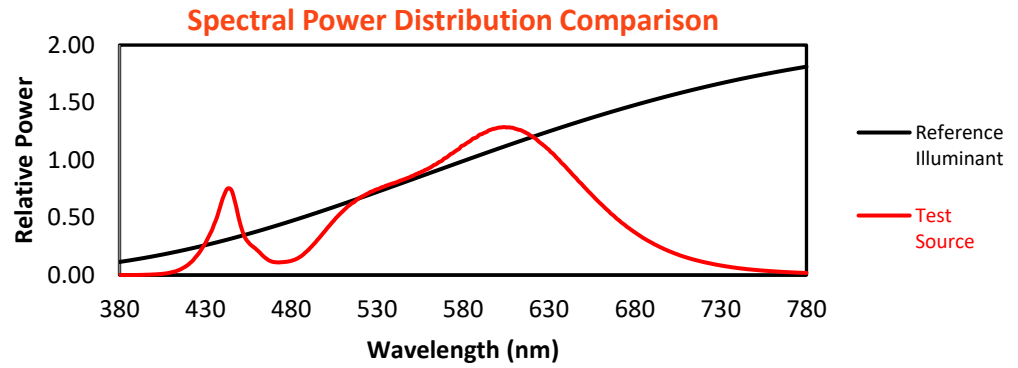
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

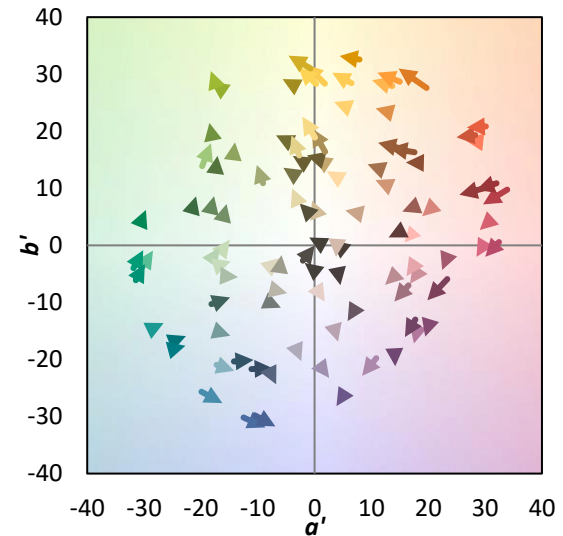
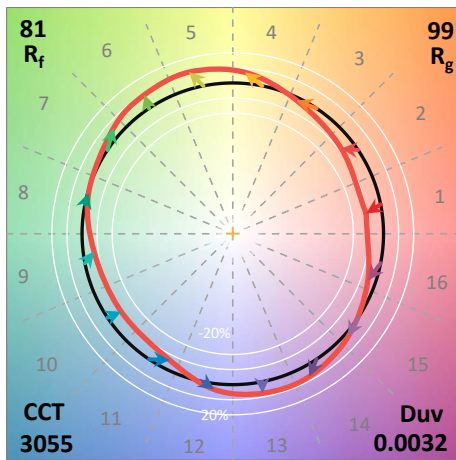
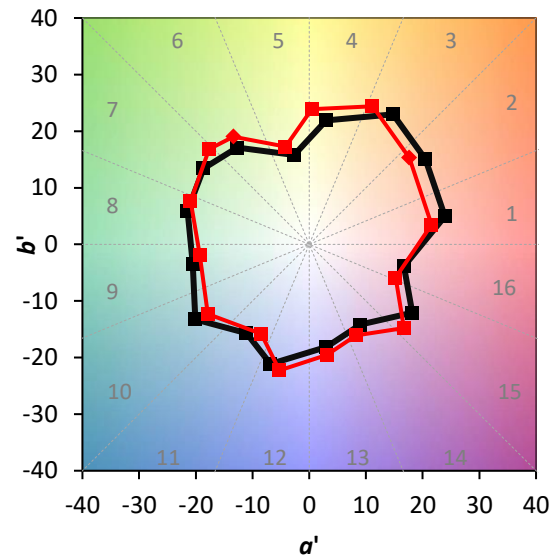
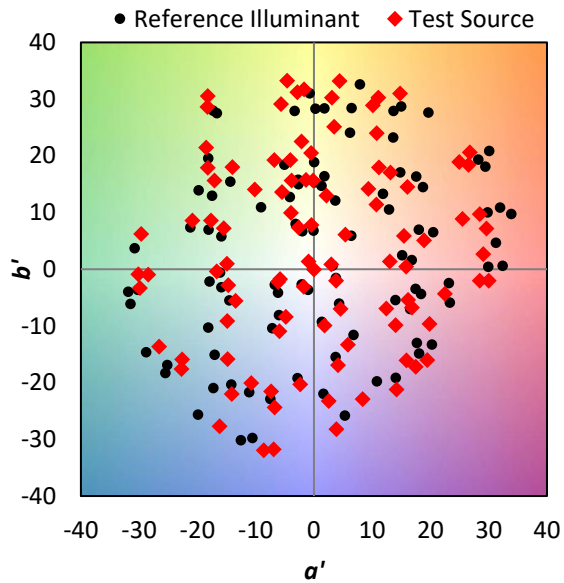
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_g = 6.8$

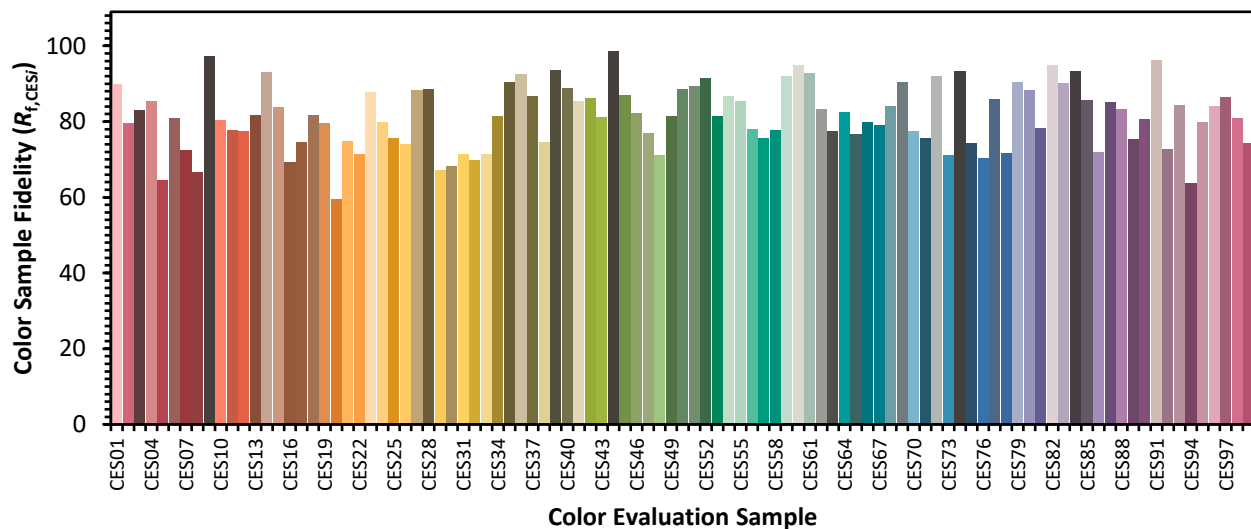


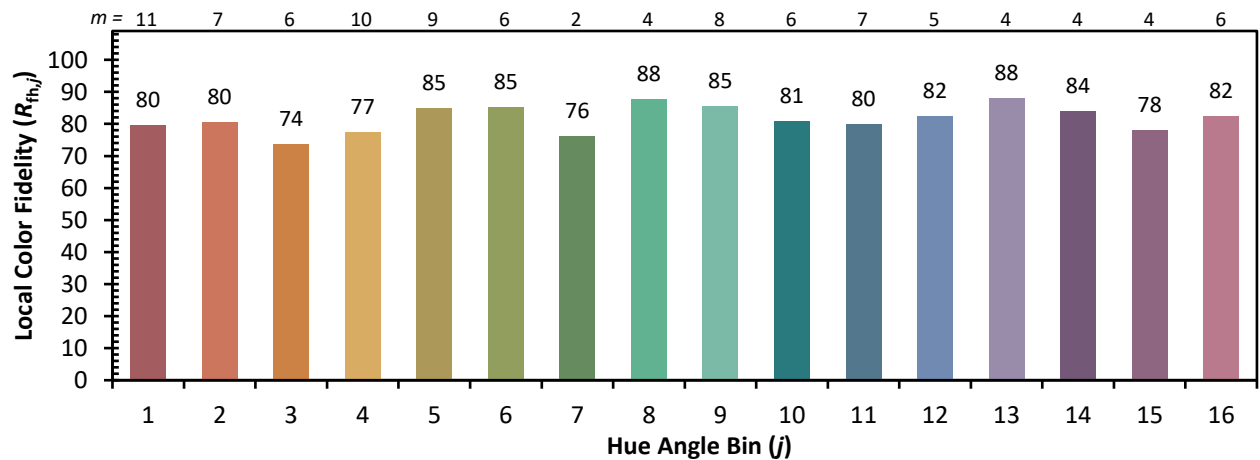
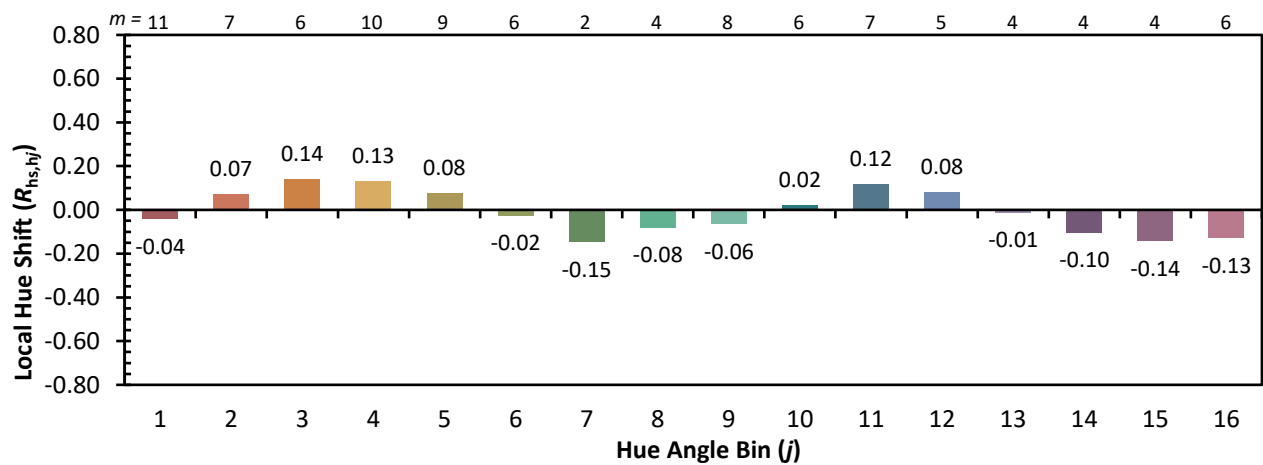
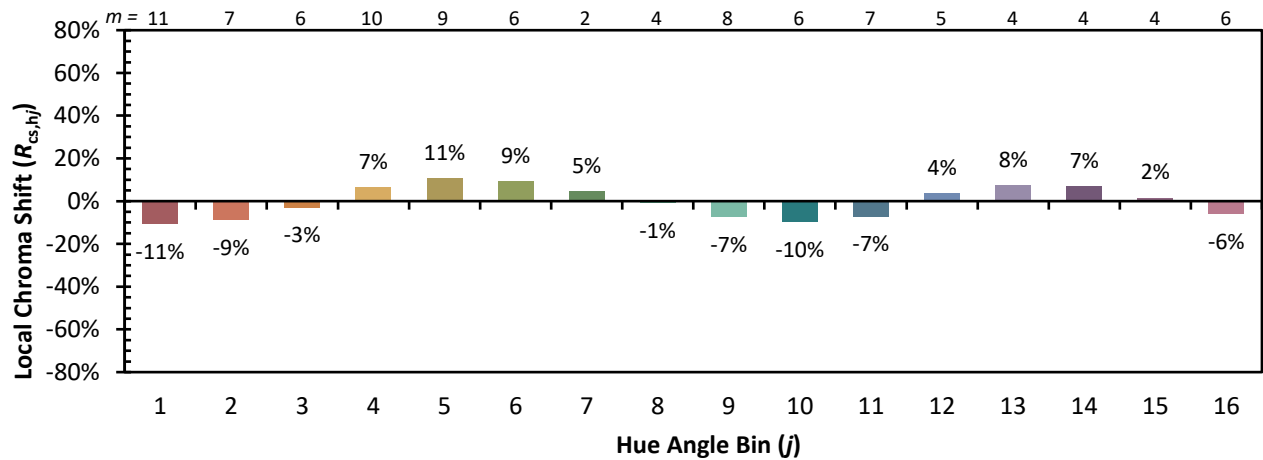
Color Vector Graphics

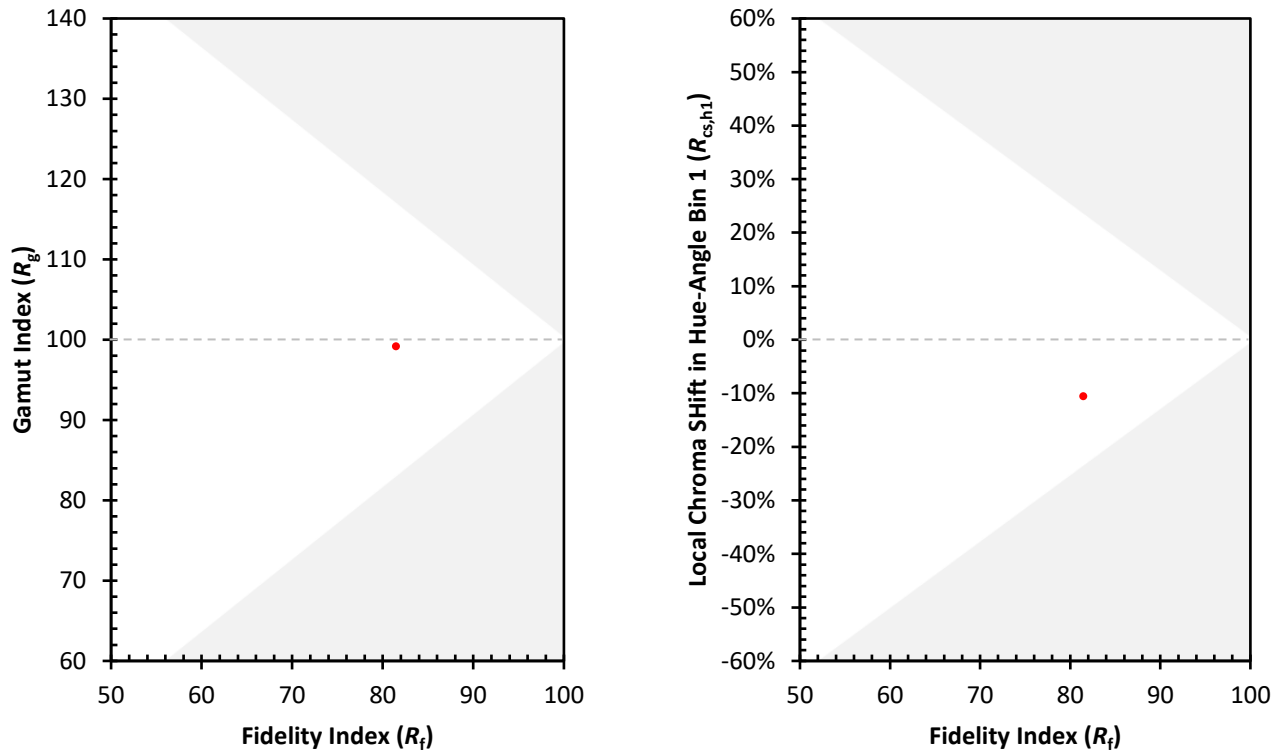


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	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 = 93
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 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	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	



Color Rendition by Hue-Angle Bin


Measure Comparisons


(END OF REPORT)