

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

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Peachtree City, GA 30269

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1461489

Luminaire Tested: USSL-50-727-U-T2R-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461489
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-50-727-U-T2R-HSS
Description: USSL DISCRETE LED 1 SQUARE 50W 70CRI 2700K FIXTURE w/ TYPE II ROADWAY
DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (40) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5456 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

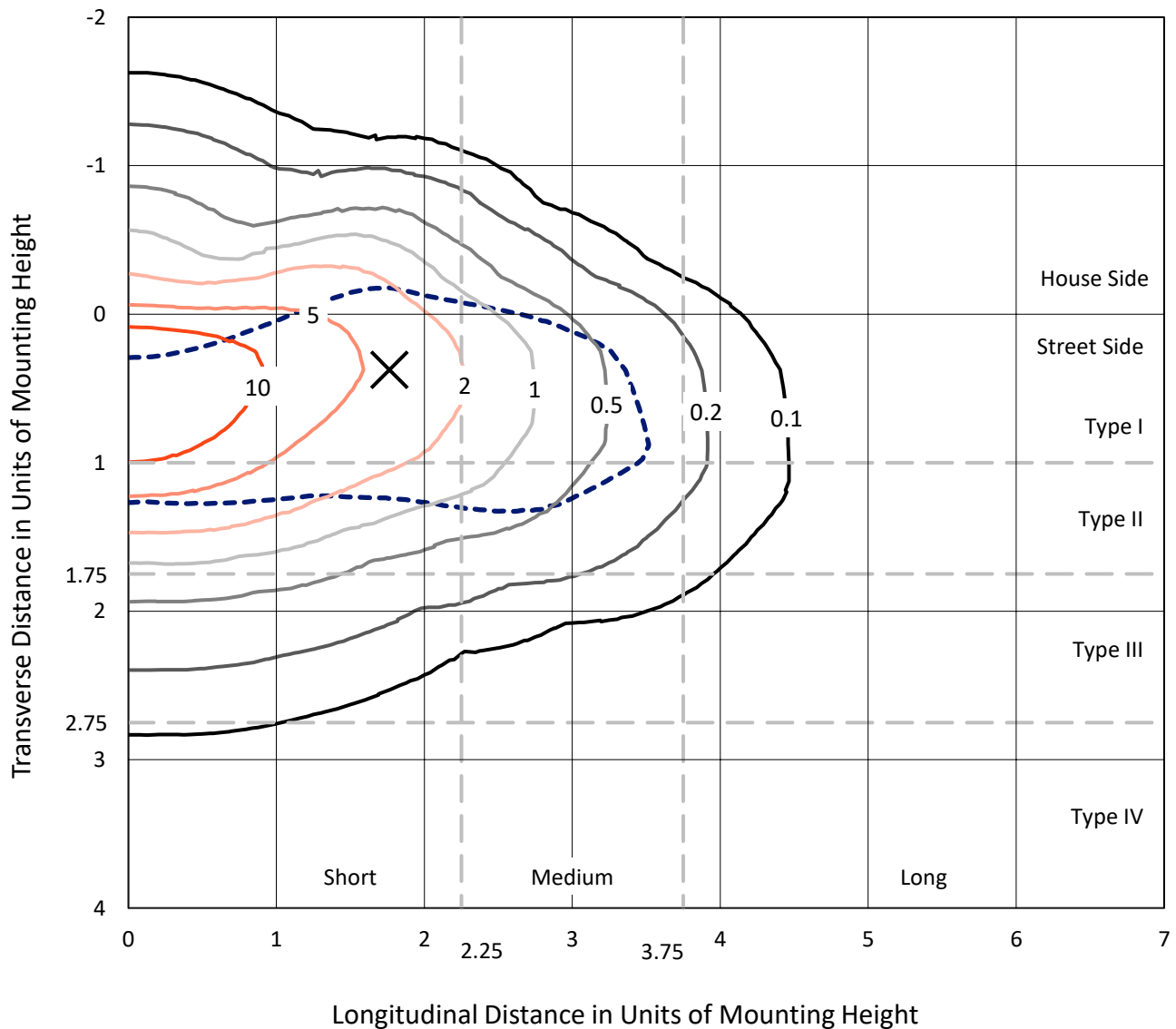
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 3.35%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1461489

CATALOG NUMBER: USSL-50-727-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

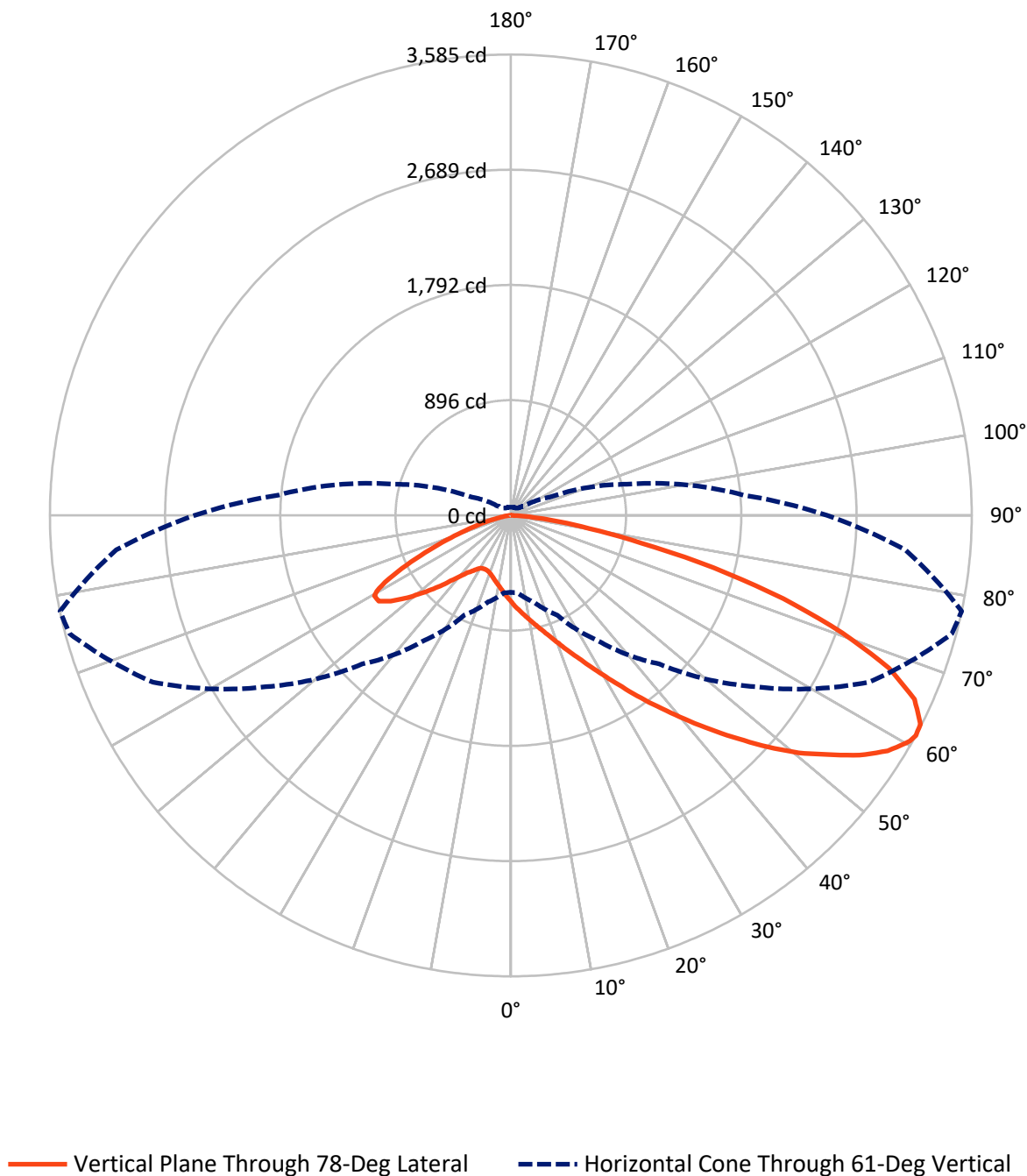


Based on 10 foot mounting height. Maximum calculated value = 18.3 fc
 Type II - Short - N/A

REPORT NUMBER: P1461489

CATALOG NUMBER: USSL-50-727-U-T2R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1461489

CATALOG NUMBER: USSL-50-727-U-T2R-HSS

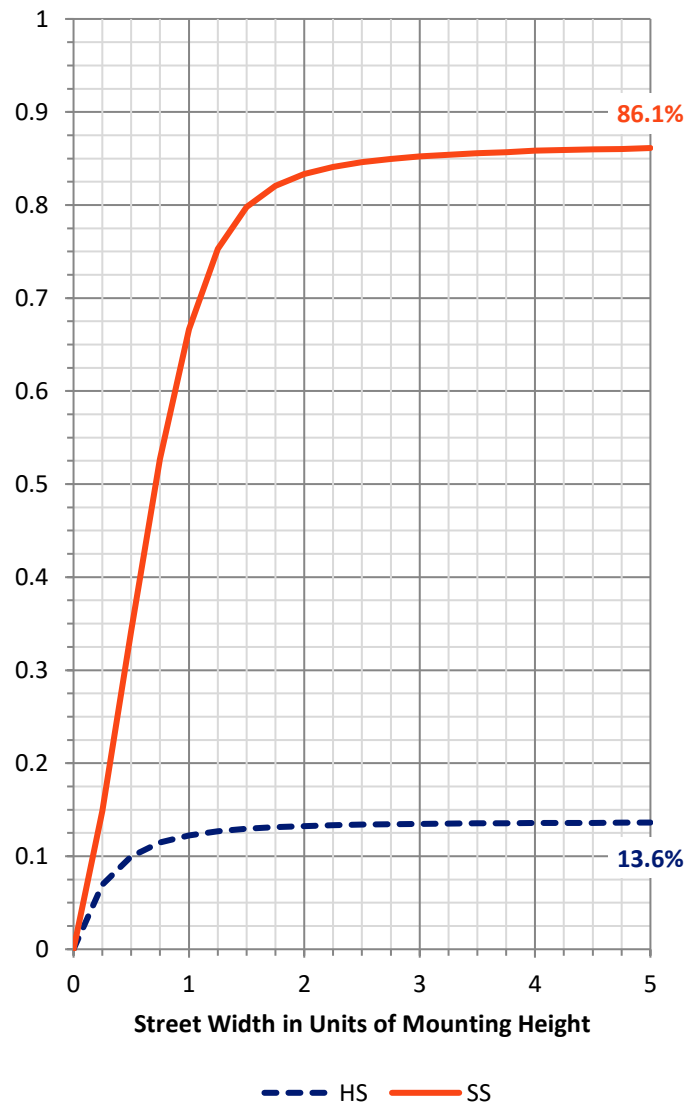
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	748.8	0.0	748.8
	% Fixture	13.7	0.0	13.7
Street Side	Lumens	4707.3	0.0	4707.3
	% Fixture	86.3	0.0	86.3
Total	Lumens	5456.0	0.0	5456.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	1.2
10°-20°	243.0	4.5
20°-30°	502.7	9.2
30°-40°	864.7	15.8
40°-50°	1165.2	21.4
50°-60°	1206.4	22.1
60°-70°	937.6	17.2
70°-80°	411.0	7.5
80°-90°	57.3	1.1
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°	5456.0	100.0
0°-180°	5456.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1461489

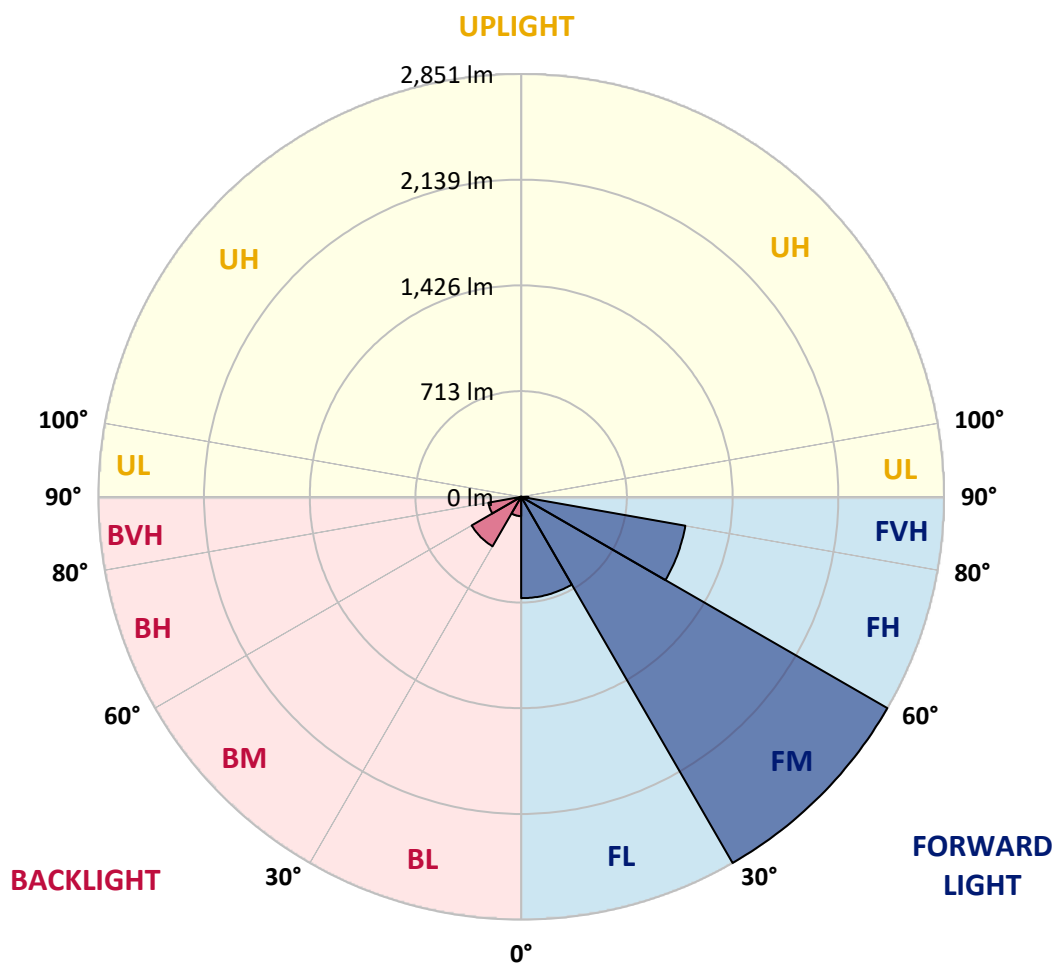
CATALOG NUMBER: USSL-50-727-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	683.6	12.5			
FM	(30°-60°)	2851.3	52.3			
FH	(60°-80°)	1123.9	20.6			G1/1800
FVH	(80°-90°)	48.4	0.9			G1/100
BL	(0°-30°)	130.2	2.4	B1/500		
BM	(30°-60°)	385.0	7.1	B1/1000		
BH	(60°-80°)	224.7	4.1	B1/500		G1/500
BVH	(80°-90°)	8.9	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



REPORT NUMBER: P1461489

CATALOG NUMBER: USSL-50-727-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	673.7	673.7	673.7	673.7	673.7	673.7	673.7	673.7	673.7	673.7	673.7
2.5°	852.6	842.0	850.1	833.6	818.2	799.5	778.2	750.3	721.4	711.5	690.9
5°	1012.9	1019.1	1013.6	992.7	962.3	912.4	874.6	821.1	767.9	747.0	707.4
7.5°	1201.8	1197.0	1185.3	1155.2	1106.8	1049.9	979.5	902.9	814.9	786.6	725.8
10°	1366.1	1354.7	1343.3	1306.3	1248.3	1183.4	1088.8	981.0	869.1	830.6	745.9
12.5°	1526.3	1530.7	1506.1	1466.5	1395.4	1312.2	1199.6	1071.6	925.3	876.8	769.8
15°	1716.3	1704.5	1681.1	1622.4	1543.2	1446.4	1318.0	1166.6	988.7	930.0	798.0
17.5°	1882.8	1874.0	1853.8	1791.8	1702.7	1584.6	1435.0	1265.2	1057.6	990.2	831.7
20°	2041.2	2036.1	2009.3	1951.0	1869.2	1734.3	1571.4	1381.5	1137.6	1062.0	871.3
22.5°	2206.6	2200.4	2168.1	2105.0	2017.4	1894.1	1712.6	1500.3	1237.7	1143.8	917.9
25°	2354.8	2364.3	2318.5	2258.7	2164.4	2037.2	1863.7	1629.7	1334.9	1232.2	979.2
27.5°	2588.4	2560.9	2504.0	2415.3	2311.1	2188.6	2010.8	1763.6	1450.0	1334.5	1041.1
30°	2836.3	2819.8	2749.0	2609.6	2447.2	2311.1	2149.0	1920.9	1574.7	1454.8	1127.3
32.5°	3044.2	3035.8	2966.1	2832.6	2632.4	2432.1	2287.3	2075.3	1716.7	1588.7	1233.3
35°	3177.7	3164.5	3115.0	3013.4	2822.7	2588.0	2429.2	2246.9	1876.2	1744.5	1355.8
37.5°	3236.7	3220.2	3168.9	3091.9	2958.0	2738.7	2555.4	2408.3	2045.2	1903.3	1472.0
40°	3185.8	3179.9	3142.9	3070.2	3010.1	2857.2	2673.4	2560.5	2226.8	2081.5	1637.1
42.5°	3026.2	3015.6	3012.7	2980.0	2973.8	2906.7	2778.0	2702.8	2424.8	2275.9	1812.0
45°	2808.4	2802.2	2829.3	2844.0	2882.1	2898.2	2851.7	2839.2	2624.7	2475.0	2014.1
47.5°	2549.9	2545.8	2600.5	2661.7	2761.1	2840.3	2874.8	2944.8	2819.4	2692.1	2214.7
50°	2122.6	2102.4	2272.2	2426.6	2590.2	2757.4	2852.8	3029.2	3021.5	2902.3	2417.8
52.5°	1640.4	1632.7	1842.4	2104.3	2391.4	2618.4	2798.9	3076.1	3185.0	3090.0	2630.5
55°	1204.0	1209.8	1395.4	1720.7	2069.8	2413.8	2718.5	3087.8	3348.6	3292.1	2830.4
57.5°	879.0	899.9	1039.3	1315.8	1702.0	2128.9	2603.4	3084.9	3473.3	3455.3	2992.1
60°	659.0	658.6	788.8	974.0	1307.0	1794.8	2417.1	3076.5	3545.5	3565.7	3072.1
61°	597.8	604.0	699.0	855.2	1194.4	1634.1	2324.0	3069.9	3551.8	3584.8	3079.8
62.5°	517.5	515.6	590.1	714.8	989.1	1396.1	2157.5	3050.1	3544.4	3575.6	3066.6
65°	416.6	418.4	468.7	540.6	741.2	1039.7	1809.8	2929.4	3427.1	3449.8	2979.3
67.5°	344.0	348.4	381.8	429.1	549.7	738.2	1385.1	2684.8	3198.6	3173.7	2787.1
70°	281.6	286.4	312.1	343.6	419.5	540.2	1017.3	2251.3	2803.3	2734.7	2438.7
72.5°	228.1	228.1	249.7	278.3	321.6	388.4	703.4	1727.7	2296.1	2215.4	1973.0
75°	181.2	180.4	195.8	210.1	238.4	283.8	481.1	1188.2	1721.8	1630.5	1405.7
77.5°	125.1	126.9	140.5	154.8	168.7	197.3	319.4	730.9	1111.9	1036.4	885.3
80°	92.4	93.1	100.9	108.6	107.1	125.1	201.3	372.2	618.7	617.2	502.4
82.5°	67.1	68.9	71.9	76.3	74.1	81.8	121.0	186.7	327.5	325.7	269.9
85°	42.9	42.5	42.5	45.1	44.7	49.1	65.6	100.1	140.1	145.6	131.3
87.5°	15.4	16.1	18.7	22.7	21.3	20.2	19.8	26.4	23.8	22.4	21.3
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: P1461489

CATALOG NUMBER: USSL-50-727-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	673.7	673.7	673.7	673.7	673.7	673.7	673.7	673.7	673.7	673.7	673.7
2.5°	676.6	662.3	632.6	603.3	580.9	555.2	538.7	525.5	510.1	505.4	514.9
5°	679.2	649.5	594.8	541.7	498.4	464.6	432.4	419.5	398.6	392.8	392.4
7.5°	683.2	639.2	558.2	487.0	431.3	386.2	356.1	337.8	325.3	320.9	324.6
10°	688.0	629.7	523.3	435.7	372.6	333.7	304.8	288.2	280.5	276.9	275.8
12.5°	697.5	623.4	496.5	395.0	329.7	292.6	269.5	256.0	247.5	245.7	243.9
15°	708.2	619.0	468.3	358.7	295.6	261.1	240.6	230.7	223.7	220.4	220.4
17.5°	722.5	618.7	440.8	324.9	267.7	236.2	218.2	210.1	205.4	203.5	203.2
20°	741.9	620.9	418.4	301.1	244.2	215.3	201.7	194.7	191.8	190.0	190.0
22.5°	769.4	628.2	399.4	278.3	224.4	198.8	186.7	182.6	180.1	178.2	178.2
25°	807.5	644.7	385.4	259.6	207.9	185.2	175.3	170.9	169.1	168.3	168.0
27.5°	849.0	664.9	379.6	246.4	193.3	173.5	165.0	160.6	159.2	158.4	158.4
30°	903.6	693.8	375.5	236.9	181.9	162.8	155.1	150.4	148.5	148.5	148.2
32.5°	975.5	741.5	383.2	229.6	174.2	154.0	145.6	141.6	139.7	139.4	139.0
35°	1071.2	809.0	401.6	227.0	166.5	145.6	137.2	133.5	131.7	131.3	130.6
37.5°	1156.7	864.0	425.4	225.9	159.5	138.3	130.2	126.2	124.0	123.2	123.6
40°	1281.3	951.7	457.3	228.1	153.3	130.9	123.6	119.6	117.4	116.6	116.3
42.5°	1420.7	1062.4	506.1	236.9	149.3	124.3	117.7	113.3	111.5	110.8	110.4
45°	1585.7	1192.6	571.4	249.4	146.3	119.2	111.5	107.8	106.0	104.9	104.9
47.5°	1758.5	1329.8	638.8	265.1	144.1	115.2	106.0	102.3	100.1	99.0	98.3
50°	1949.5	1469.8	717.7	282.4	142.3	111.1	100.5	95.7	93.5	91.3	91.3
52.5°	2134.4	1630.1	799.5	302.2	140.8	104.5	94.2	89.1	85.4	83.2	82.9
55°	2311.1	1776.1	877.2	320.5	139.4	99.0	87.3	81.0	77.7	76.3	76.6
57.5°	2449.7	1879.8	945.1	335.9	136.1	92.8	79.6	74.1	71.5	72.6	71.5
60°	2486.0	1866.3	959.4	338.9	129.8	85.1	71.9	68.6	67.8	66.0	66.0
61°	2459.3	1814.9	934.4	334.5	126.9	81.4	69.7	67.1	66.0	64.2	64.2
62.5°	2388.5	1683.3	864.7	319.8	121.0	76.3	66.4	64.5	63.1	61.2	61.6
65°	2226.0	1413.7	678.4	276.5	108.6	68.9	60.9	59.8	57.9	56.5	55.4
67.5°	1985.1	1143.1	487.4	221.5	95.3	62.3	54.6	53.2	51.3	49.5	48.8
70°	1711.5	884.9	330.4	170.9	81.8	55.0	48.0	45.5	44.0	42.5	41.8
72.5°	1370.1	665.6	208.7	126.2	67.8	46.2	39.2	37.8	36.3	35.2	34.8
75°	1004.5	465.0	139.4	94.2	54.6	37.4	31.5	28.6	27.9	27.1	26.0
77.5°	599.2	261.1	90.2	68.6	43.3	29.3	24.2	22.0	21.6	20.5	20.5
80°	315.4	138.6	59.4	47.3	30.8	22.4	19.1	17.6	16.1	12.8	10.6
82.5°	178.6	75.2	38.9	29.7	20.5	16.5	14.3	13.2	11.0	3.3	1.8
85°	89.1	38.1	18.7	15.0	9.9	6.6	7.0	5.5	2.6	0.4	0.0
87.5°	16.1	5.5	3.3	3.3	2.6	1.8	1.5	0.7	0.4	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: SP2-2501-321-3

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-727-U-T4W

Data in this report applies to families of products including GKO-PB1E-727-U-T4W

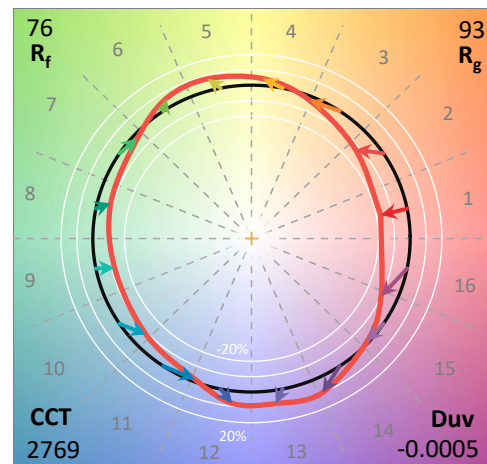
Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-3
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP2 - 165CM SPHERE
 Measurement Geometry: 4π
 Issue Date: 04/10/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GKO-PB1E-727-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 2769
 CIE u' : 0.2596
 CIE v' : 0.5253
 Duv: -0.0005
 CIE x: 0.4535
 CIE y: 0.4078
 CIE z: 0.1387
 Peak Wavelength (nm): 597
 Dominant Wavelength (nm): 584
 Purity: 58.54014
 R_f: 75.7
 R_g: 93.2

CRI (Ra): 71.7
 R1: 68.0
 R2: 84.0
 R3: 94.6
 R4: 65.9
 R5: 67.3
 R6: 78.7
 R7: 75.2
 R8: 39.8
 R9: -34.5
 R10: 64.3
 R11: 60.9
 R12: 54.4
 R13: 71.2
 R14: 97.6
 R15: 59.5



Test Conditions

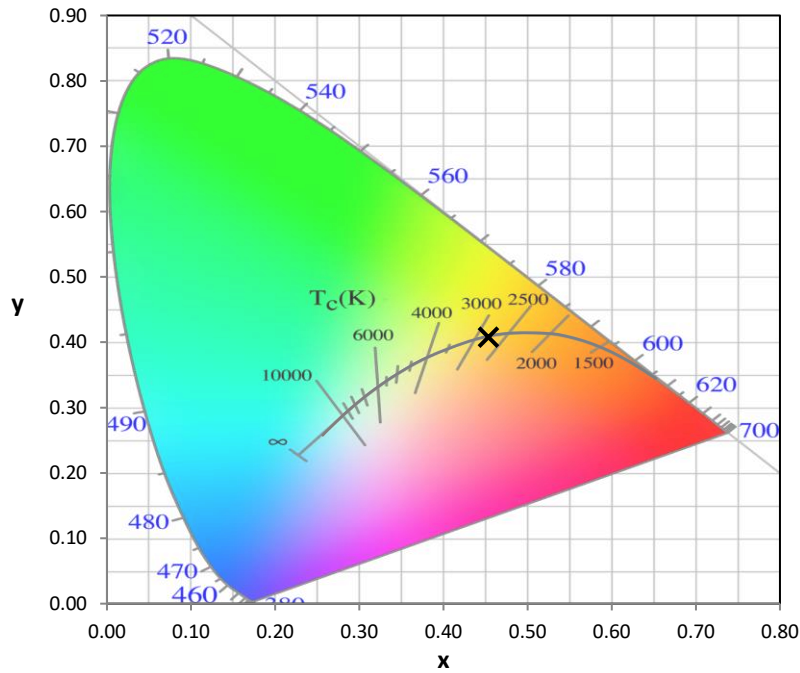
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP2-2501-321-3

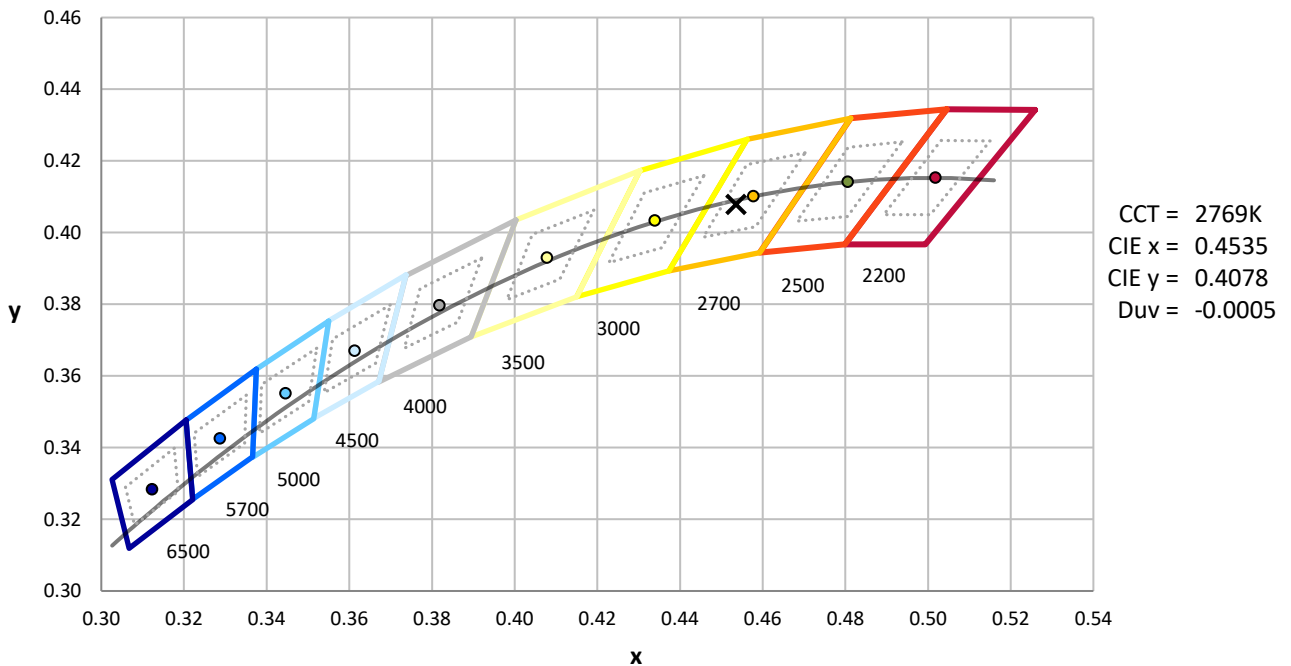
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP2-2501-321-3

CIE 1931 Chromaticity Diagram



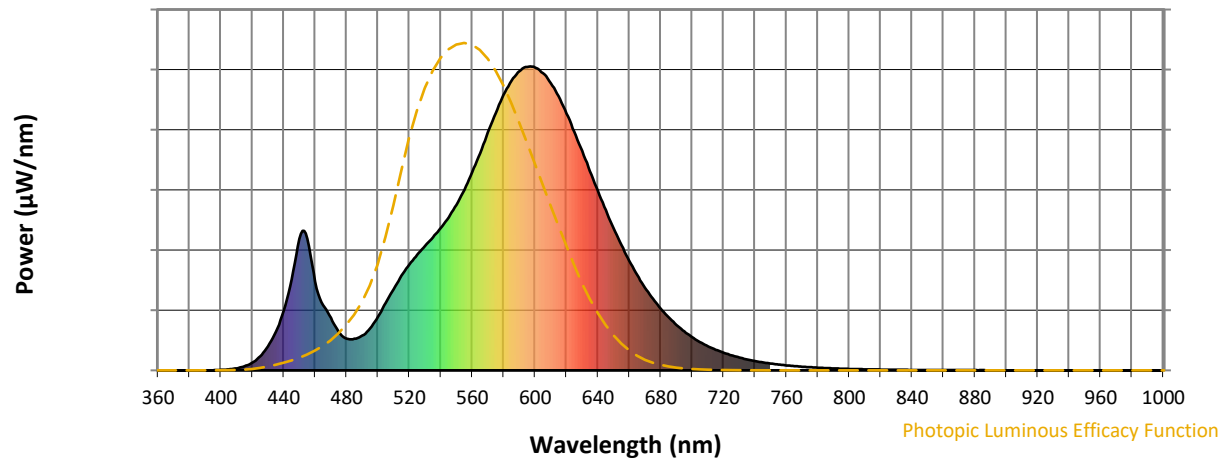
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP2-2501-321-3

Photopic Flux vs. Wavelength

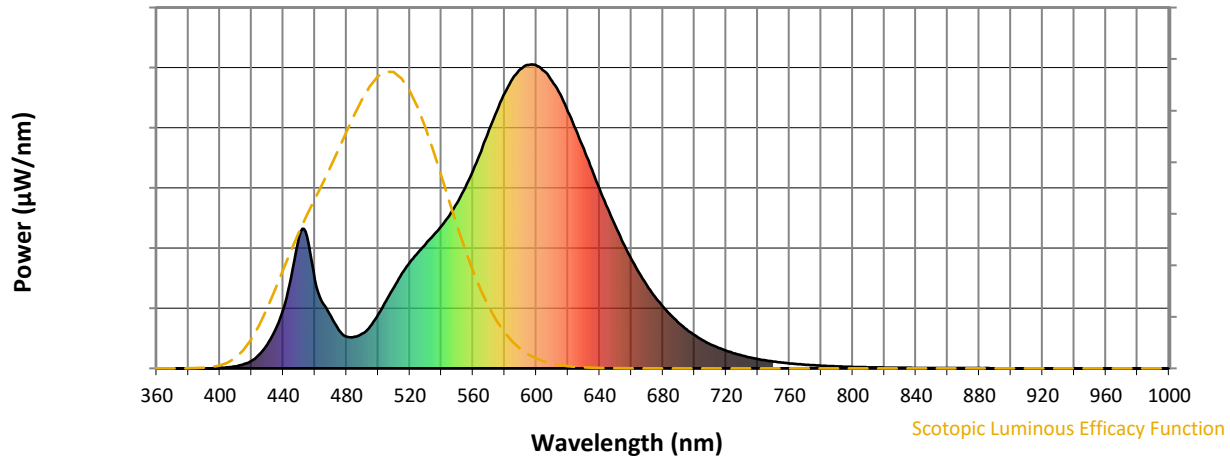


Photopic Lumens: NR

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	114	NR	620	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-3

Scotopic Flux vs. Wavelength



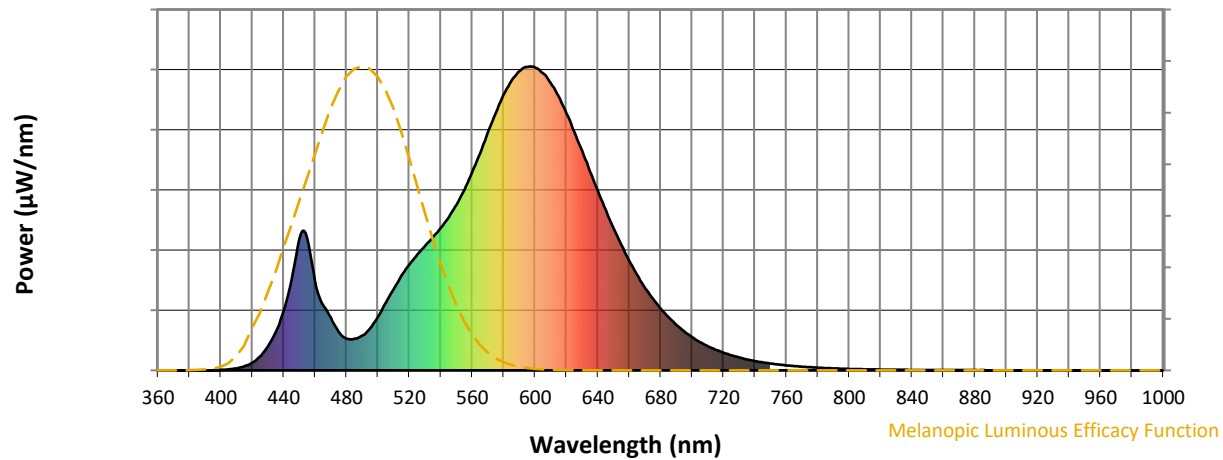
Scotopic Lumens: NR

S/P: 1.14

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	114	NR	620	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.08

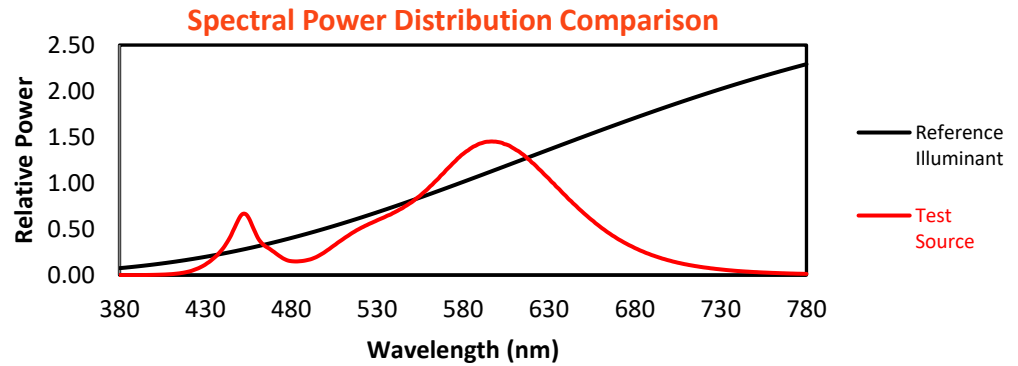
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	114	NR	620	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-3

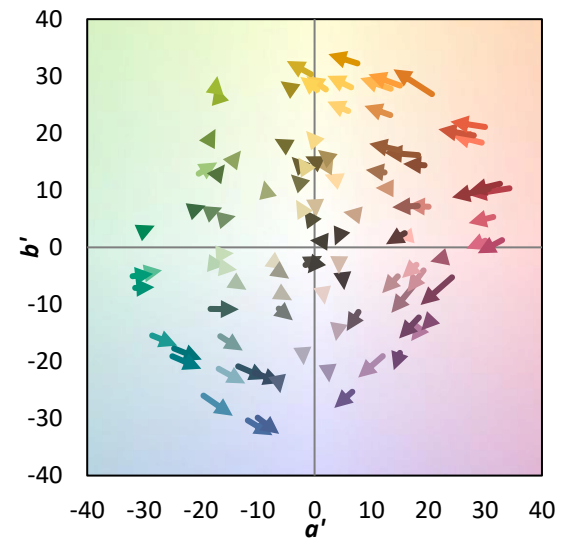
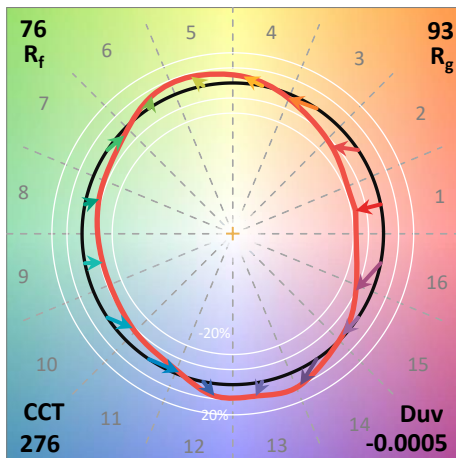
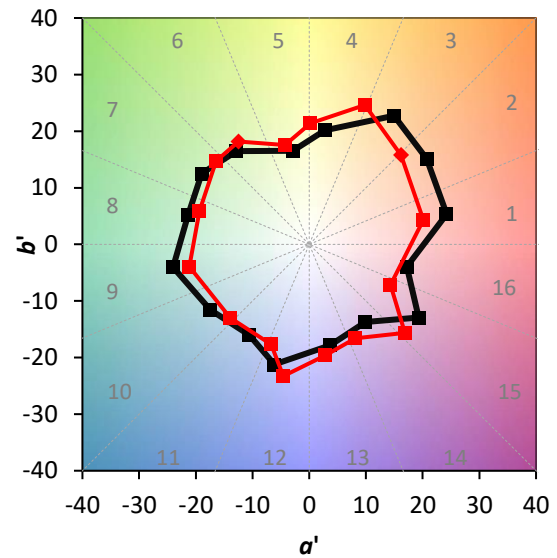
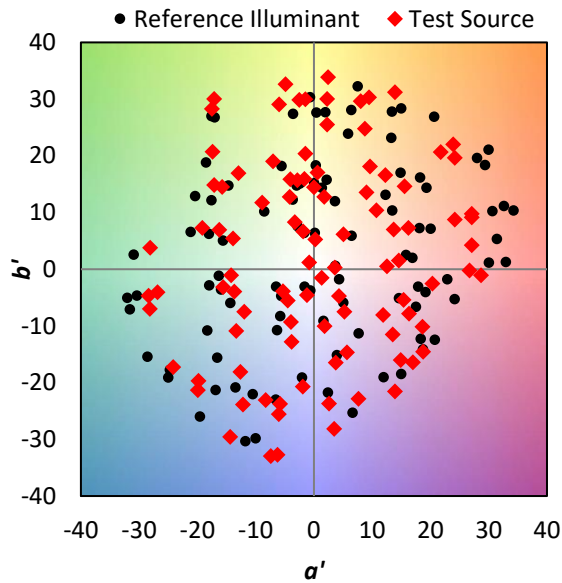
TM-30-18

Summary

$R_f = 75.7$
 $R_g = 93.2$
 $CIE R_a = 71.7$
 $R_g = -34.5$

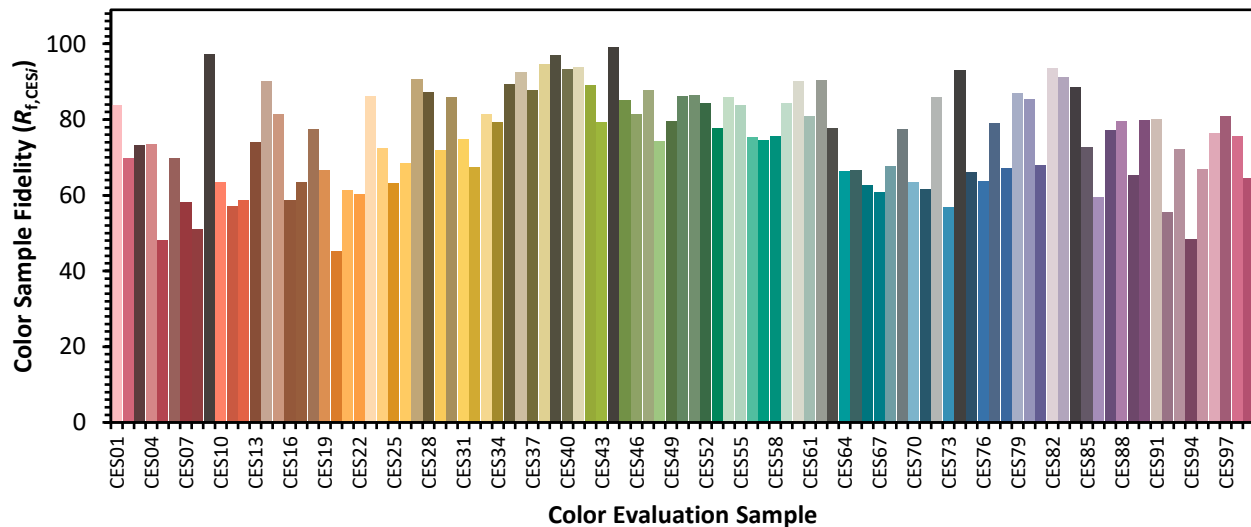


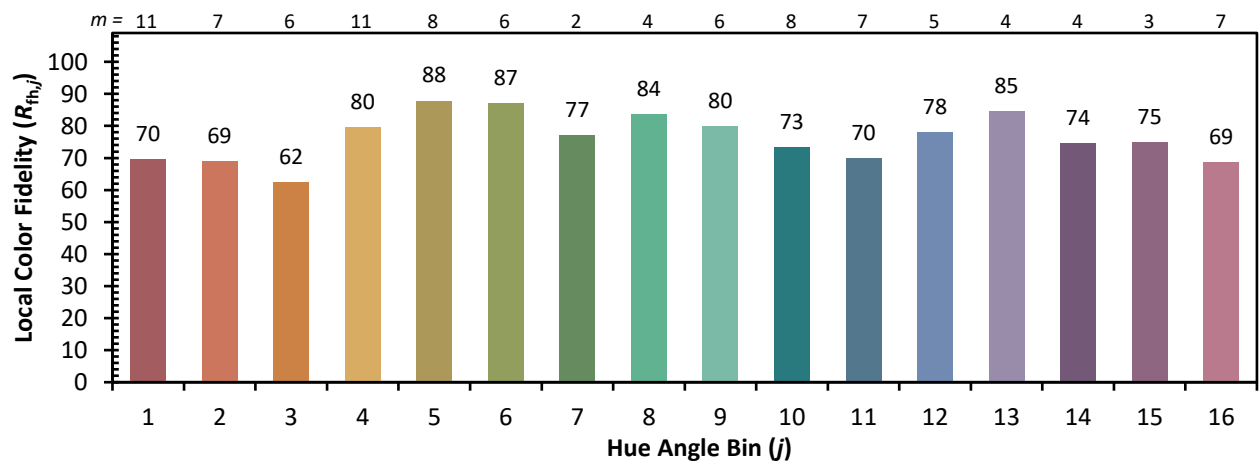
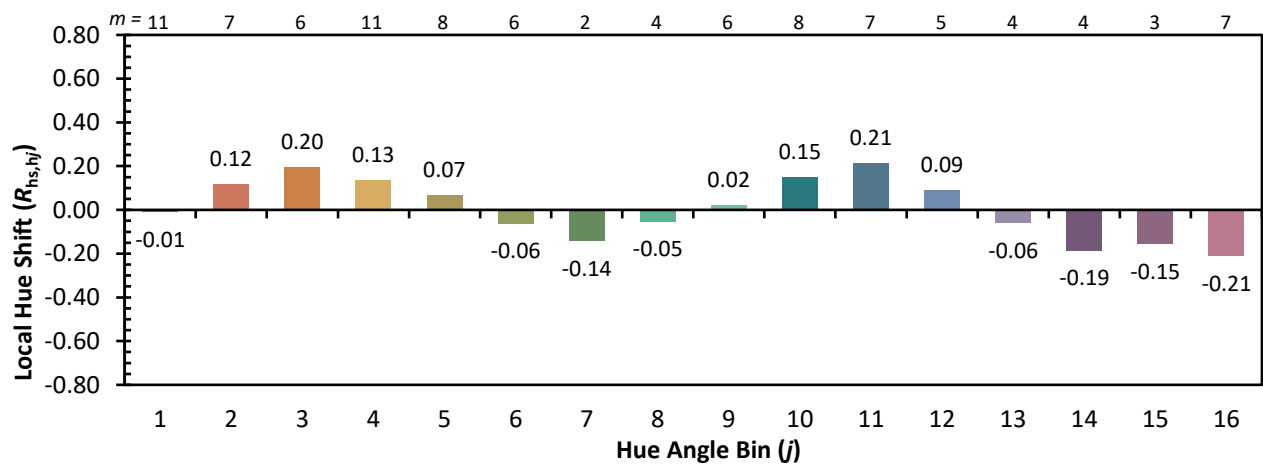
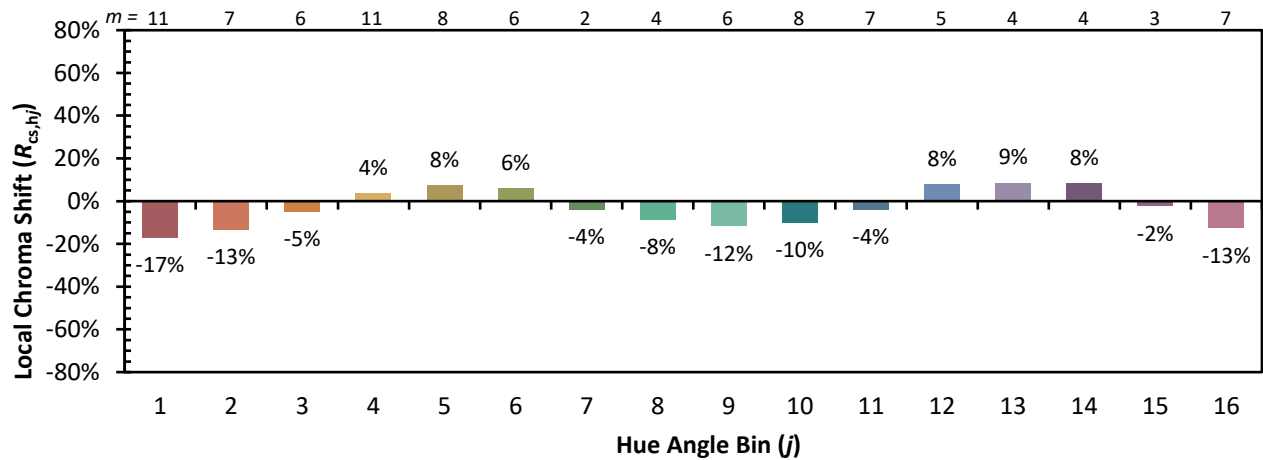
Color Vector Graphics



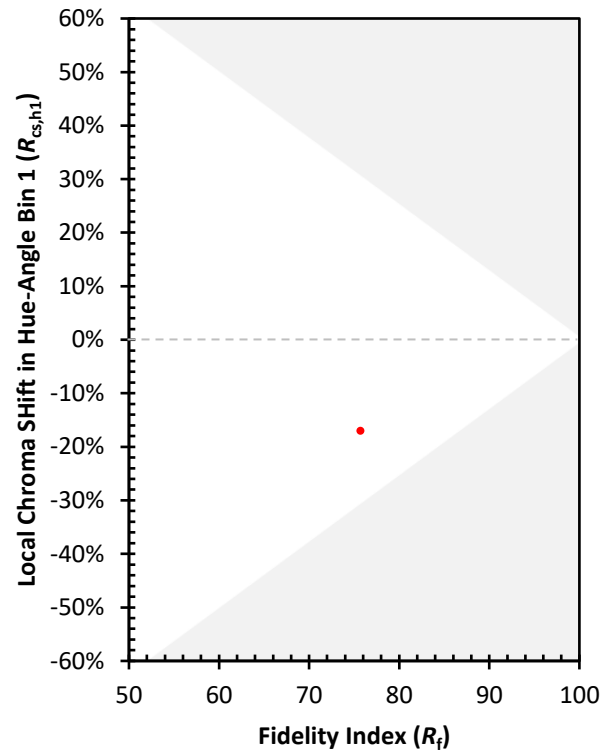
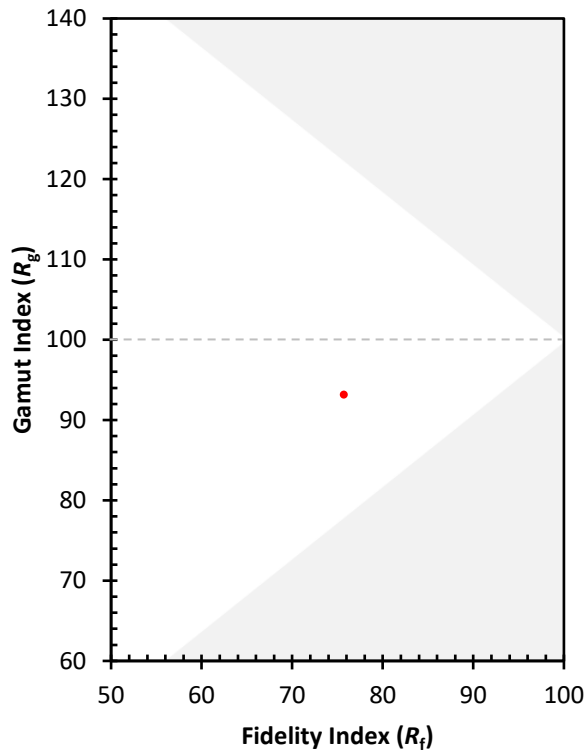
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 68	CES51 = 87	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 84	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 78	CES78 = 67
CES04 = 71	CES29 = 72	CES54 = 86	CES79 = 87
CES05 = 50	CES30 = 86	CES55 = 84	CES80 = 85
CES06 = 52	CES31 = 75	CES56 = 75	CES81 = 68
CES07 = 42	CES32 = 67	CES57 = 74	CES82 = 94
CES08 = 41	CES33 = 81	CES58 = 76	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 90	CES85 = 73
CES11 = 60	CES36 = 92	CES61 = 81	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 90	CES87 = 77
CES13 = 43	CES38 = 95	CES63 = 78	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 65
CES15 = 72	CES40 = 93	CES65 = 67	CES90 = 80
CES16 = 48	CES41 = 94	CES66 = 63	CES91 = 80
CES17 = 50	CES42 = 89	CES67 = 61	CES92 = 55
CES18 = 57	CES43 = 79	CES68 = 68	CES93 = 72
CES19 = 73	CES44 = 99	CES69 = 77	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 62	CES96 = 76
CES22 = 80	CES47 = 88	CES72 = 86	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 57	CES98 = 76
CES24 = 91	CES49 = 80	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)