

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: P1461487

Luminaire Tested: USSL-110-722-U-T2R-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461487
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-110-722-U-T2R-HSS
Description: USSL DISCRETE LED 1 SQUARE 110W 70CRI 2200K FIXTURE w/ TYPE II ROADWAY
DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (40) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9816.7 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 111
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.87%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

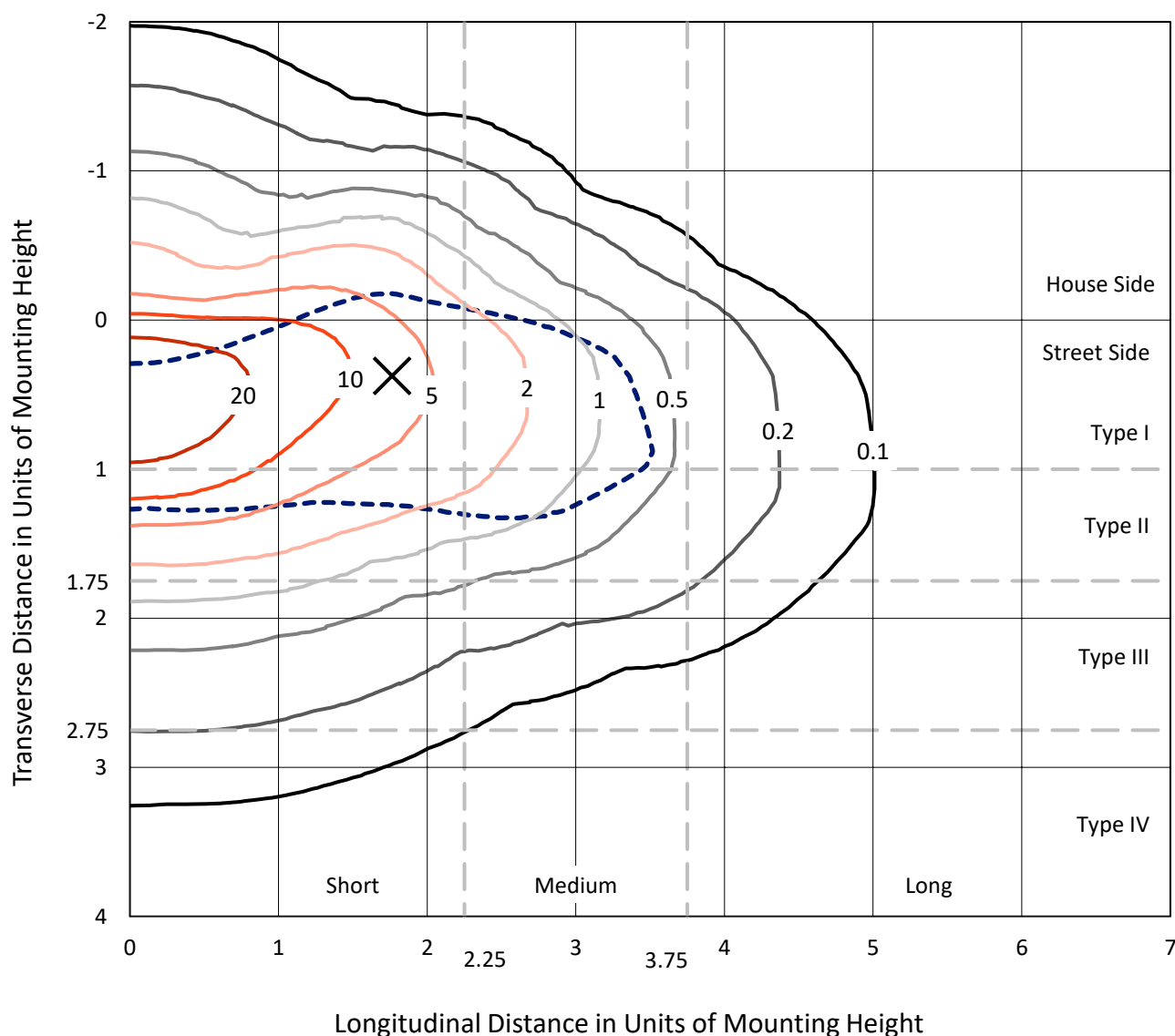
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

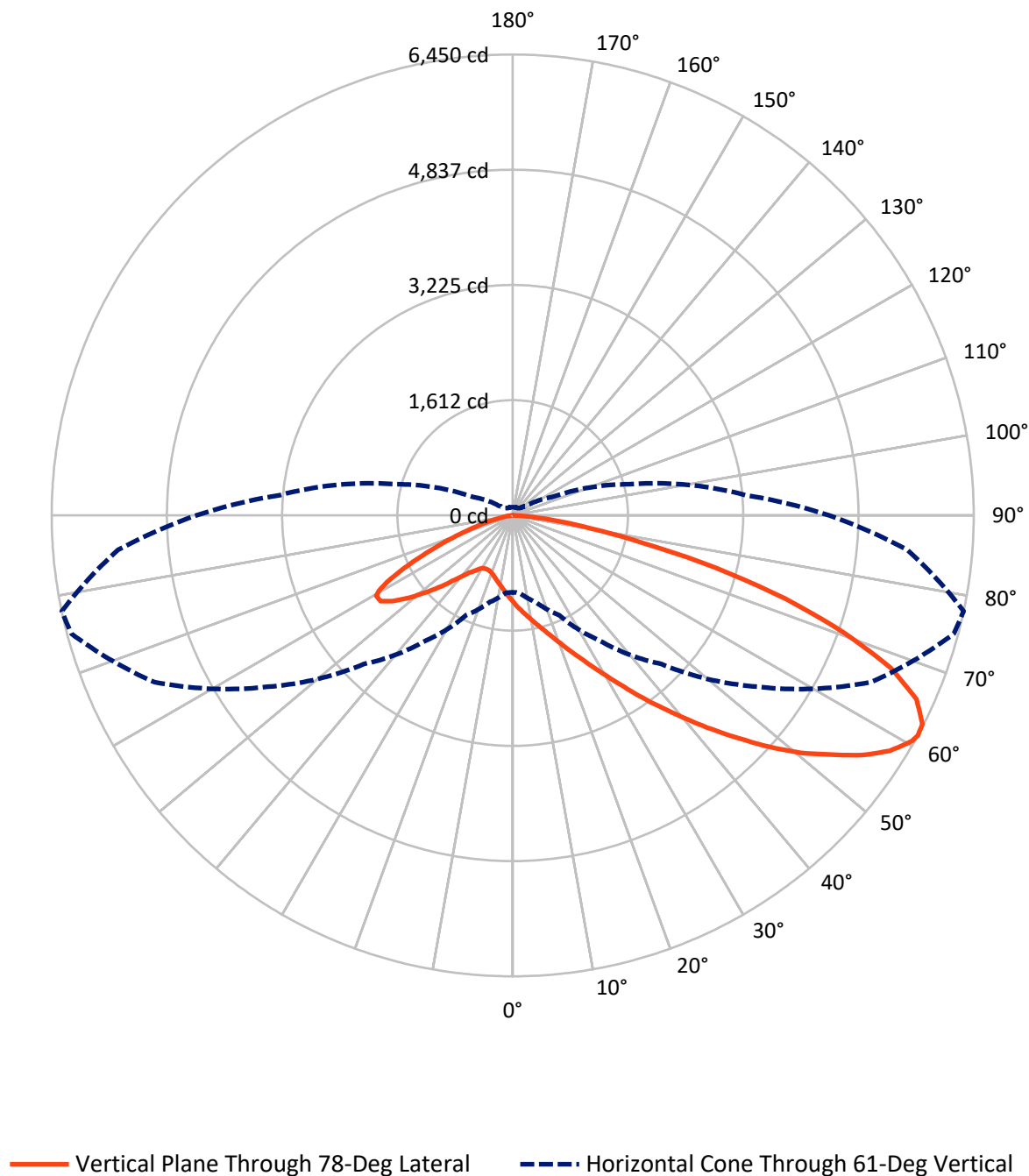


Based on 10 foot mounting height. Maximum calculated value = 32.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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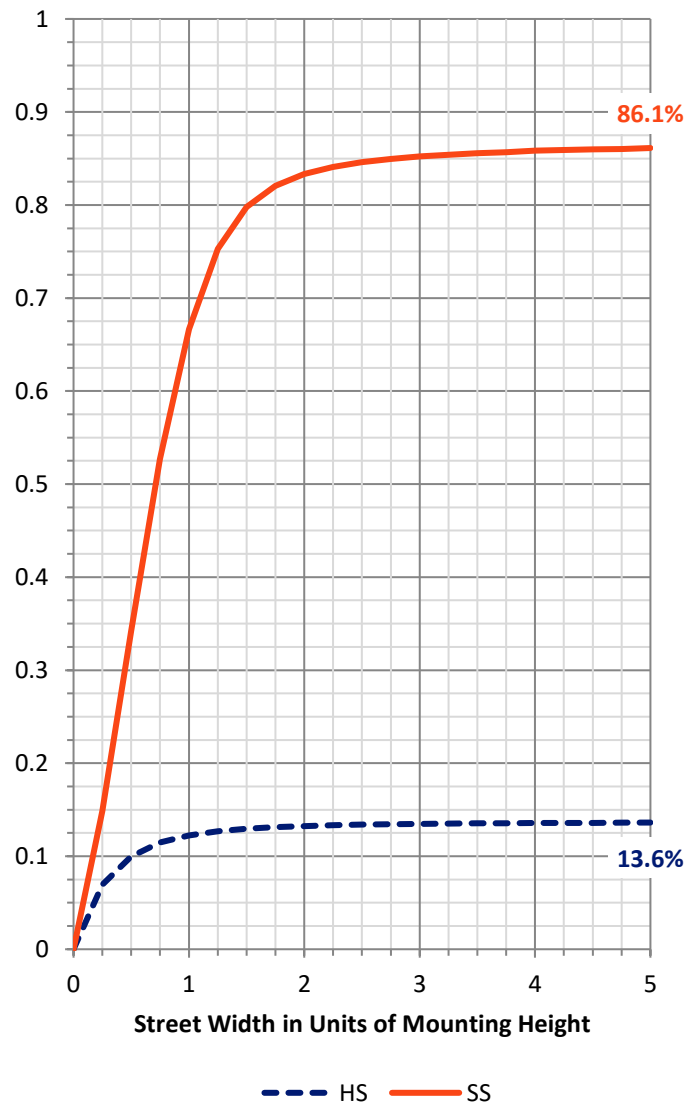
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1347.2	0.0	1347.2
	% Fixture	13.7	0.0	13.7
Street Side	Lumens	8469.4	0.0	8469.4
	% Fixture	86.3	0.0	86.3
Total	Lumens	9816.7	0.0	9816.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.6	1.2
10°-20°	437.2	4.5
20°-30°	904.4	9.2
30°-40°	1555.8	15.8
40°-50°	2096.4	21.4
50°-60°	2170.6	22.1
60°-70°	1686.9	17.2
70°-80°	739.6	7.5
80°-90°	103.1	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°	9816.7	100.0
0°-180°	9816.7	100.0

Coefficient of Utilization



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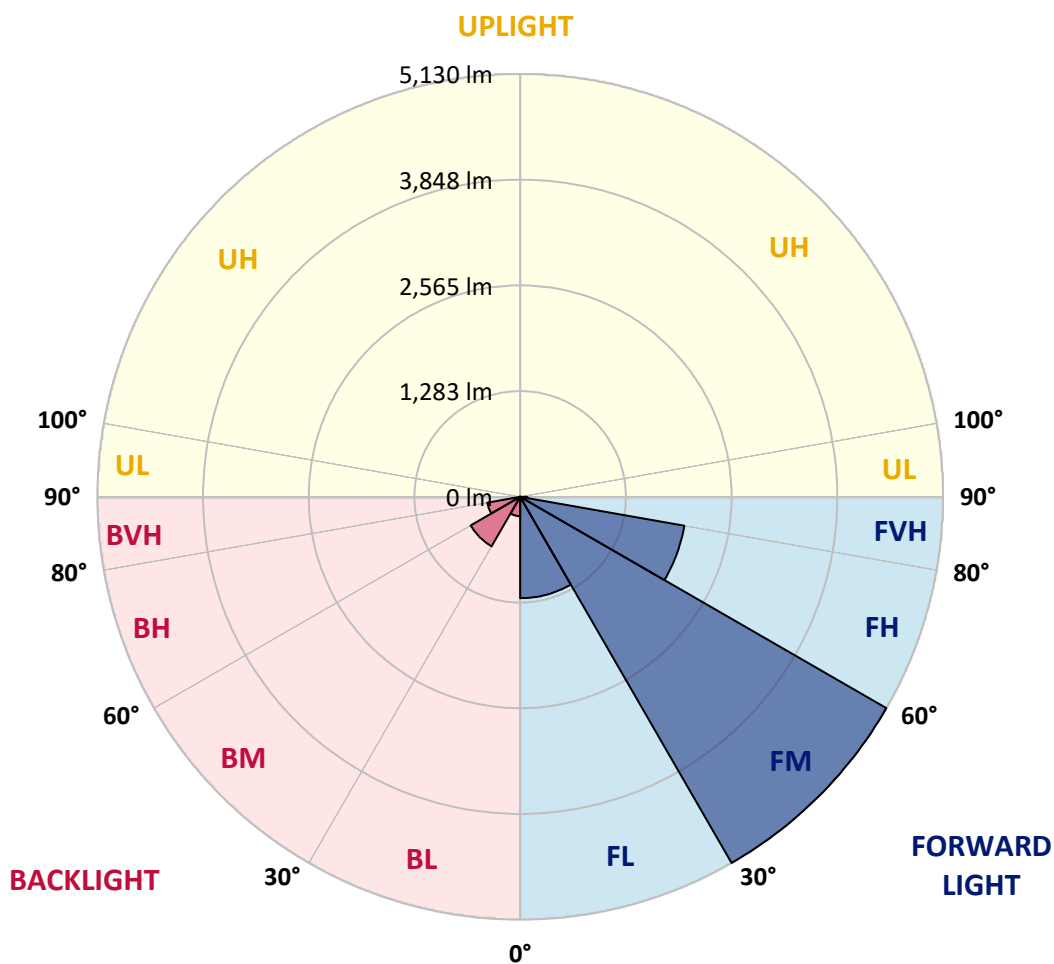
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1229.9	12.5			
FM	(30°-60°)	5130.2	52.3			
FH	(60°-80°)	2022.2	20.6			G2/5000
FVH	(80°-90°)	87.1	0.9			G1/100
BL	(0°-30°)	234.3	2.4	B1/500		
BM	(30°-60°)	692.6	7.1	B1/1000		
BH	(60°-80°)	404.3	4.1	B1/500		G1/500
BVH	(80°-90°)	16.0	0.2			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1212.1	1212.1	1212.1	1212.1	1212.1	1212.1	1212.1	1212.1	1212.1	1212.1	1212.1
2.5°	1534.1	1515.0	1529.5	1499.8	1472.1	1438.4	1400.2	1350.0	1297.9	1280.1	1243.1
5°	1822.4	1833.7	1823.8	1786.2	1731.4	1641.7	1573.7	1477.4	1381.7	1344.1	1272.8
7.5°	2162.3	2153.7	2132.6	2078.5	1991.4	1889.1	1762.4	1624.5	1466.1	1415.3	1305.8
10°	2457.9	2437.4	2416.9	2350.3	2246.1	2129.3	1959.0	1765.0	1563.8	1494.5	1342.1
12.5°	2746.2	2754.1	2709.9	2638.6	2510.6	2360.9	2158.3	1928.0	1664.7	1577.6	1385.0
15°	3088.0	3066.9	3024.6	2919.1	2776.6	2602.4	2371.4	2098.9	1778.9	1673.3	1435.8
17.5°	3387.6	3371.7	3335.4	3223.9	3063.6	2851.1	2581.9	2276.4	1902.9	1781.5	1496.5
20°	3672.6	3663.4	3615.2	3510.3	3363.1	3120.3	2827.4	2485.6	2046.8	1910.9	1567.7
22.5°	3970.2	3959.0	3900.9	3787.4	3629.7	3408.0	3081.4	2699.4	2226.9	2058.0	1651.5
25°	4236.8	4253.9	4171.4	4063.9	3894.3	3665.3	3353.2	2932.3	2401.8	2217.0	1761.7
27.5°	4657.1	4607.6	4505.3	4345.6	4158.2	3937.8	3617.8	3173.1	2609.0	2401.1	1873.2
30°	5103.1	5073.4	4946.1	4695.3	4403.0	4158.2	3866.6	3456.2	2833.3	2617.5	2028.3
32.5°	5477.2	5462.0	5336.7	5096.5	4736.2	4376.0	4115.3	3734.0	3088.7	2858.4	2219.0
35°	5717.4	5693.6	5604.6	5421.8	5078.7	4656.4	4370.7	4042.8	3375.7	3138.8	2439.4
37.5°	5823.6	5793.9	5701.6	5563.0	5322.2	4927.6	4597.7	4333.1	3679.9	3424.5	2648.5
40°	5731.9	5721.4	5654.7	5524.1	5415.9	5140.7	4810.1	4606.9	4006.5	3745.2	2945.5
42.5°	5444.9	5425.8	5420.5	5361.8	5350.5	5229.8	4998.2	4862.9	4362.8	4094.9	3260.2
45°	5053.0	5041.7	5090.6	5117.0	5185.6	5214.6	5130.8	5108.4	4722.4	4453.2	3623.8
47.5°	4587.8	4580.5	4678.8	4789.0	4967.8	5110.4	5172.4	5298.4	5072.8	4843.8	3984.7
50°	3819.1	3782.8	4088.3	4366.1	4660.4	4961.2	5132.8	5450.2	5436.3	5221.9	4350.2
52.5°	2951.4	2937.6	3315.0	3786.1	4302.7	4711.2	5035.8	5534.6	5730.6	5559.7	4732.9
55°	2166.2	2176.8	2510.6	3095.9	3724.1	4343.0	4891.3	5555.7	6024.9	5923.3	5092.5
57.5°	1581.6	1619.2	1870.0	2367.5	3062.3	3830.3	4684.1	5550.5	6249.2	6216.9	5383.5
60°	1185.7	1185.0	1419.3	1752.5	2351.6	3229.2	4348.9	5535.3	6379.2	6415.5	5527.4
61°	1075.5	1086.7	1257.6	1538.7	2149.1	2940.2	4181.3	5523.4	6390.4	6449.8	5541.2
62.5°	931.0	927.7	1061.7	1286.0	1779.6	2512.0	3881.8	5487.8	6377.2	6433.3	5517.5
65°	749.6	752.9	843.3	972.6	1333.5	1870.6	3256.2	5270.7	6166.1	6207.0	5360.4
67.5°	618.9	626.8	686.9	772.0	989.1	1328.2	2492.2	4830.6	5755.0	5710.1	5014.7
70°	506.7	515.3	561.5	618.3	754.8	971.9	1830.4	4050.7	5043.7	4920.3	4387.9
72.5°	410.4	410.4	449.3	500.8	578.7	698.8	1265.5	3108.4	4131.2	3986.0	3549.9
75°	326.0	324.6	352.3	378.1	428.9	510.7	865.7	2137.8	3097.9	2933.6	2529.1
77.5°	225.0	228.3	252.7	278.4	303.5	355.0	574.7	1315.0	2000.6	1864.7	1592.8
80°	166.3	167.6	181.5	195.3	192.7	225.0	362.2	669.7	1113.1	1110.5	904.0
82.5°	120.7	124.0	129.3	137.2	133.3	147.1	217.7	335.9	589.2	585.9	485.6
85°	77.2	76.5	76.5	81.2	80.5	88.4	118.1	180.1	252.1	262.0	236.2
87.5°	27.7	29.0	33.7	40.9	38.3	36.3	35.6	47.5	42.9	40.2	38.3
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1212.1	1212.1	1212.1	1212.1	1212.1	1212.1	1212.1	1212.1	1212.1	1212.1	1212.1
2.5°	1217.4	1191.6	1138.2	1085.4	1045.2	999.0	969.3	945.5	917.8	909.2	926.4
5°	1222.0	1168.6	1070.2	974.6	896.7	836.0	777.9	754.8	717.2	706.7	706.0
7.5°	1229.3	1150.1	1004.3	876.3	776.0	694.8	640.7	607.7	585.3	577.3	583.9
10°	1237.8	1132.9	941.6	783.9	670.4	600.4	548.3	518.6	504.8	498.2	496.2
12.5°	1255.0	1121.7	893.4	710.6	593.2	526.5	485.0	460.6	445.4	442.1	438.8
15°	1274.1	1113.8	842.6	645.3	531.8	469.8	432.8	415.0	402.5	396.6	396.6
17.5°	1299.9	1113.1	793.1	584.6	481.7	424.9	392.6	378.1	369.5	366.2	365.5
20°	1334.8	1117.1	752.9	541.7	439.4	387.3	362.9	350.4	345.1	341.8	341.8
22.5°	1384.3	1130.3	718.6	500.8	403.8	357.6	335.9	328.6	324.0	320.7	320.7
25°	1452.9	1160.0	693.5	467.2	374.1	333.2	315.4	307.5	304.2	302.9	302.2
27.5°	1527.5	1196.3	682.9	443.4	347.7	312.1	296.9	289.0	286.4	285.0	285.0
30°	1625.8	1248.4	675.7	426.2	327.3	293.0	279.1	270.5	267.2	267.2	266.6
32.5°	1755.1	1334.2	689.5	413.1	313.4	277.1	262.0	254.7	251.4	250.7	250.1
35°	1927.4	1455.6	722.5	408.4	299.6	262.0	246.8	240.2	236.9	236.2	234.9
37.5°	2081.1	1554.6	765.4	406.5	287.0	248.8	234.2	227.0	223.0	221.7	222.4
40°	2305.4	1712.3	822.8	410.4	275.8	235.6	222.4	215.1	211.1	209.8	209.2
42.5°	2556.2	1911.5	910.6	426.2	268.5	223.7	211.8	203.9	200.6	199.3	198.6
45°	2853.1	2145.8	1028.0	448.7	263.3	214.4	200.6	194.0	190.7	188.7	188.7
47.5°	3163.9	2392.5	1149.4	477.1	259.3	207.2	190.7	184.1	180.1	178.2	176.8
50°	3507.6	2644.6	1291.3	508.1	256.0	199.9	180.8	172.2	168.3	164.3	164.3
52.5°	3840.2	2932.9	1438.4	543.7	253.4	188.1	169.6	160.3	153.7	149.8	149.1
55°	4158.2	3195.5	1578.3	576.7	250.7	178.2	157.0	145.8	139.9	137.2	137.9
57.5°	4407.6	3382.3	1700.4	604.4	244.8	166.9	143.2	133.3	128.7	130.6	128.7
60°	4473.0	3357.9	1726.1	609.7	233.6	153.1	129.3	123.4	122.1	118.8	118.8
61°	4424.8	3265.5	1681.2	601.8	228.3	146.5	125.4	120.7	118.8	115.5	115.5
62.5°	4297.5	3028.6	1555.9	575.4	217.7	137.2	119.4	116.1	113.5	110.2	110.9
65°	4005.2	2543.6	1220.7	497.5	195.3	124.0	109.5	107.6	104.3	101.6	99.6
67.5°	3571.6	2056.7	876.9	398.5	171.6	112.2	98.3	95.7	92.4	89.1	87.8
70°	3079.4	1592.2	594.5	307.5	147.1	99.0	86.4	81.8	79.2	76.5	75.2
72.5°	2465.1	1197.6	375.4	227.0	122.1	83.1	70.6	68.0	65.3	63.3	62.7
75°	1807.3	836.7	250.7	169.6	98.3	67.3	56.7	51.5	50.1	48.8	46.8
77.5°	1078.2	469.8	162.3	123.4	77.9	52.8	43.5	39.6	38.9	37.0	37.0
80°	567.5	249.4	106.9	85.1	55.4	40.2	34.3	31.7	29.0	23.1	19.1
82.5°	321.3	135.3	69.9	53.4	37.0	29.7	25.7	23.8	19.8	5.9	3.3
85°	160.3	68.6	33.7	27.1	17.8	11.9	12.5	9.9	4.6	0.7	0.0
87.5°	29.0	9.9	5.9	5.9	4.6	3.3	2.6	1.3	0.7	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: SP2-2501-321-2

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-722-U-T4W

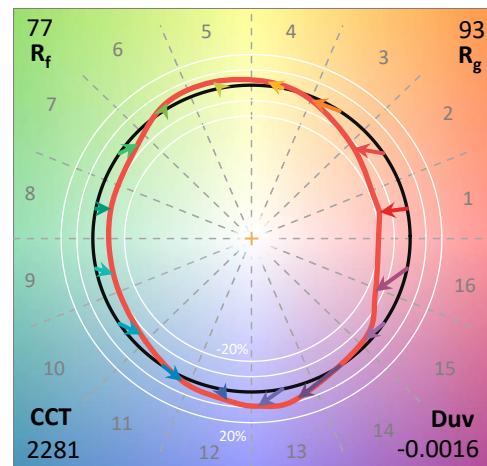
Data in this report applies to families of products including GKO-PB1E-722-U-T4W

Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-2
 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-722-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	2281	CRI (Ra):	70.6		
CIE u':	0.2851	R1:	68.4	R9:	-35.1
CIE v':	0.5324	R2:	88.7	R10:	78.0
Duv:	-0.0016	R3:	85.7	R11:	60.2
CIE x:	0.4942	R4:	63.2	R12:	73.8
CIE y:	0.4102	R5:	69.0	R13:	72.8
CIE z:	0.0956	R6:	88.6	R14:	92.4
Peak Wavelength (nm):	602	R7:	68.8	R15:	58.4
Dominant Wavelength (nm):	587	R8:	32.6		
Purity:	71.48321				
Rf:	76.9				
Rg:	92.6				



Test Conditions

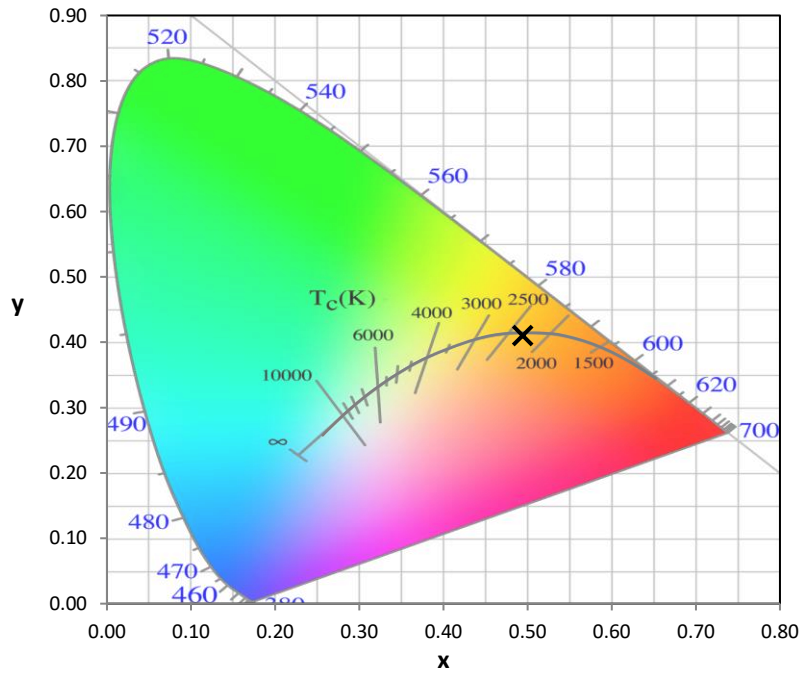
Stabilization Time: 40M
 Operation Time: 1H 40M
 Sphere Temperature (°C): 25.0

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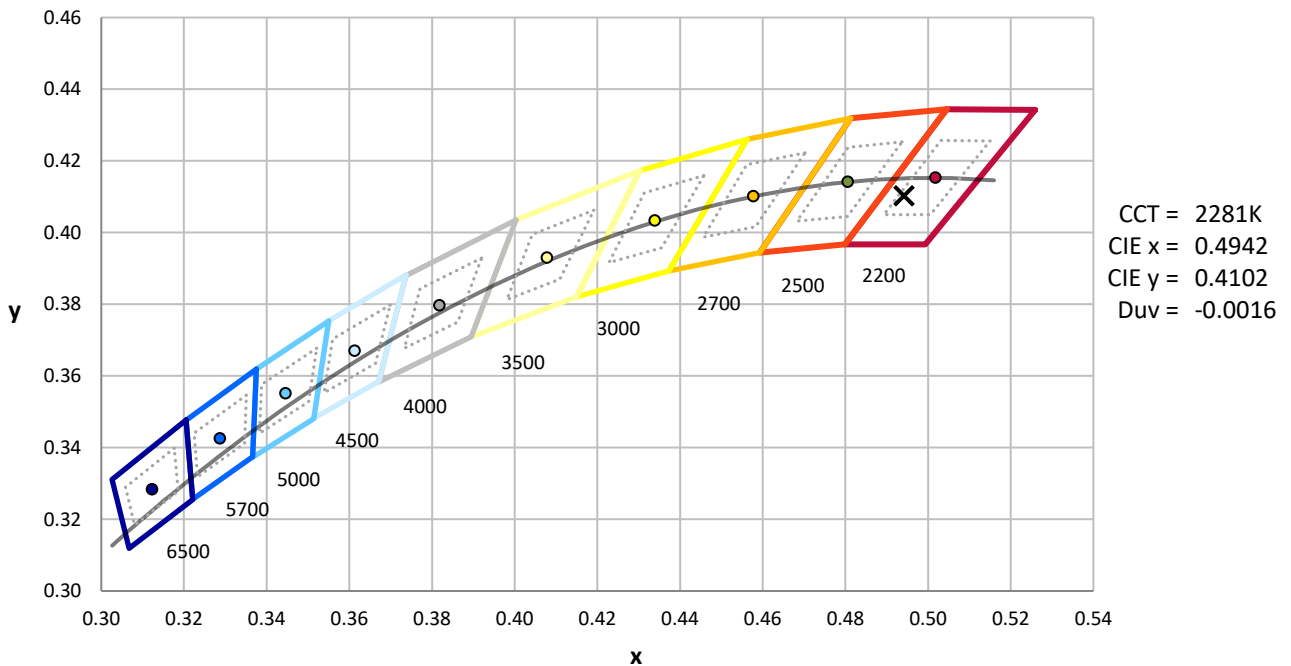
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

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CIE 1931 Chromaticity Diagram



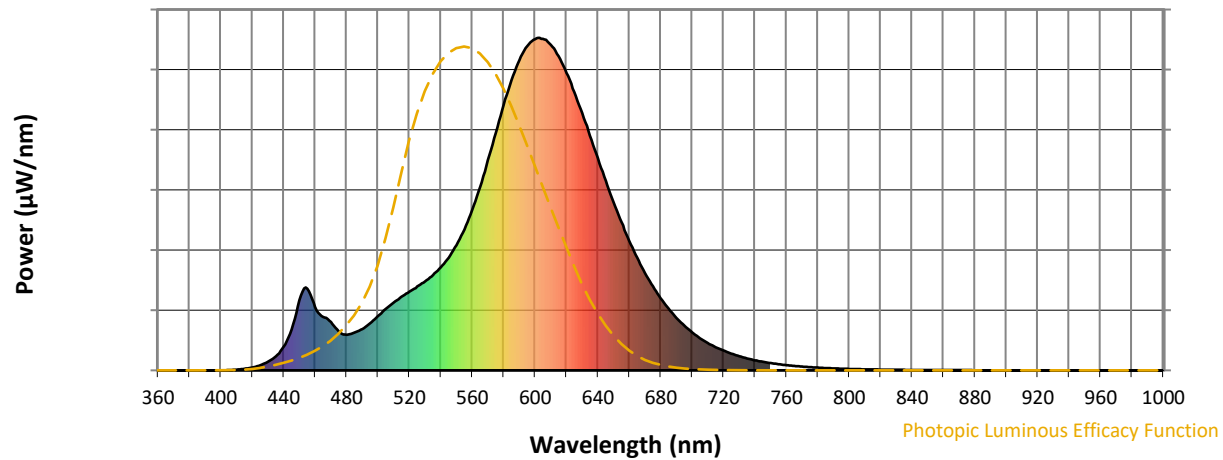
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 4-step quadrangle

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Photopic Flux vs. Wavelength

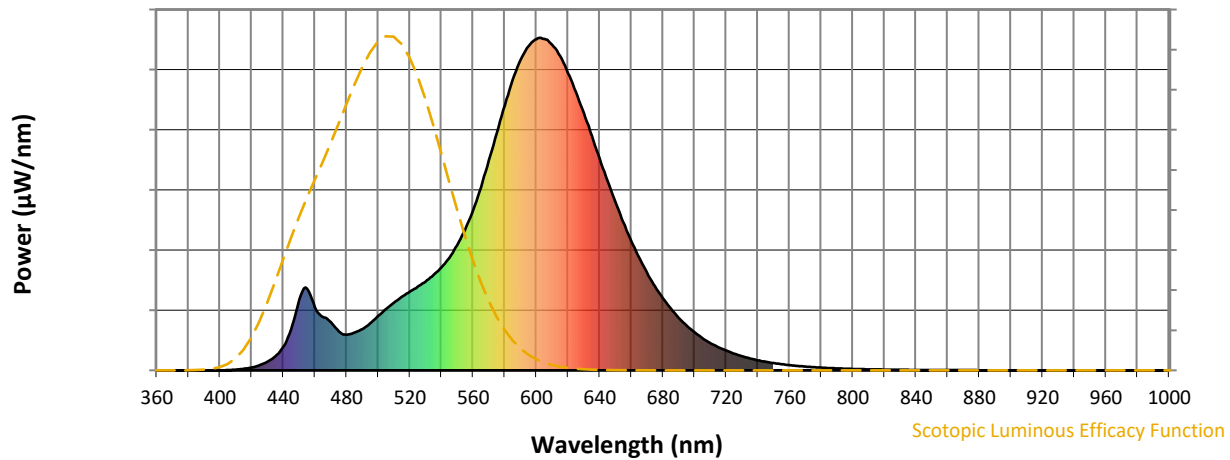


Photopic Lumens: NR

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	124	NR	620	894	NR	750	22	NR	880	0	NR
365	0	NR	495	141	NR	625	837	NR	755	19	NR	885	0	NR
370	0	NR	500	163	NR	630	774	NR	760	16	NR	890	0	NR
375	0	NR	505	184	NR	635	706	NR	765	13	NR	895	0	NR
380	0	NR	510	204	NR	640	638	NR	770	11	NR	900	0	NR
385	0	NR	515	221	NR	645	570	NR	775	10	NR	905	0	NR
390	0	NR	520	237	NR	650	505	NR	780	8	NR	910	0	NR
395	0	NR	525	252	NR	655	446	NR	785	7	NR	915	0	NR
400	0	NR	530	268	NR	660	389	NR	790	6	NR	920	0	NR
405	1	NR	535	287	NR	665	339	NR	795	5	NR	925	0	NR
410	2	NR	540	310	NR	670	292	NR	800	4	NR	930	0	NR
415	5	NR	545	339	NR	675	253	NR	805	4	NR	935	0	NR
420	9	NR	550	377	NR	680	217	NR	810	3	NR	940	0	NR
425	15	NR	555	424	NR	685	186	NR	815	3	NR	945	0	NR
430	26	NR	560	482	NR	690	158	NR	820	2	NR	950	0	NR
435	43	NR	565	551	NR	695	135	NR	825	2	NR	955	0	NR
440	71	NR	570	632	NR	700	114	NR	830	2	NR	960	0	NR
445	123	NR	575	714	NR	705	97	NR	835	2	NR	965	0	NR
450	210	NR	580	797	NR	710	82	NR	840	1	NR	970	0	NR
455	245	NR	585	873	NR	715	70	NR	845	1	NR	975	0	NR
460	190	NR	590	934	NR	720	59	NR	850	1	NR	980	0	NR
465	161	NR	595	975	NR	725	50	NR	855	1	NR	985	0	NR
470	145	NR	600	996	NR	730	43	NR	860	1	NR	990	0	NR
475	117	NR	605	997	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	978	NR	740	30	NR	870	1	NR	1000	0	NR
485	113	NR	615	945	NR	745	26	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



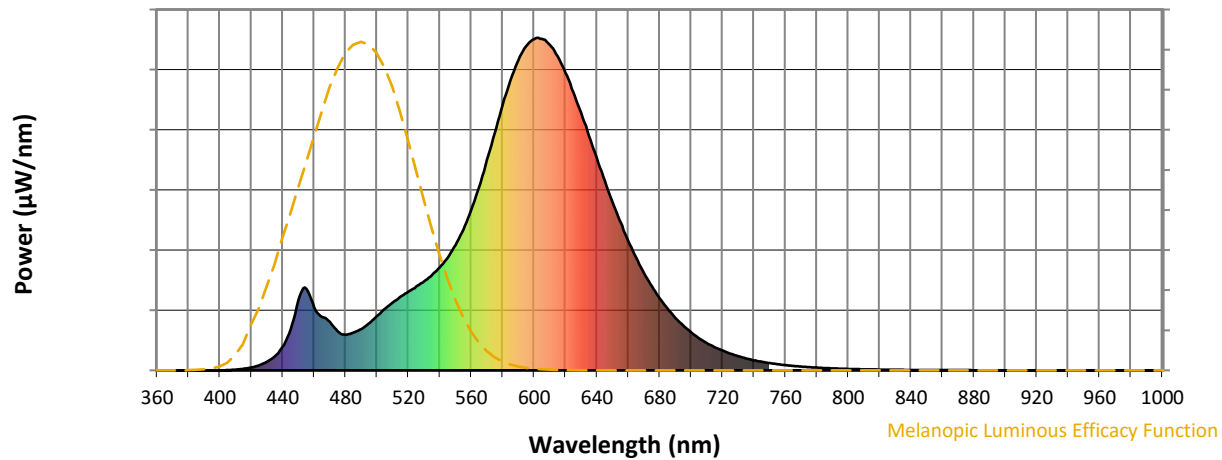
Scotopic Lumens: NR

S/P: 0.98

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	124	NR	620	894	NR	750	22	NR	880	0	NR
365	0	NR	495	141	NR	625	837	NR	755	19	NR	885	0	NR
370	0	NR	500	163	NR	630	774	NR	760	16	NR	890	0	NR
375	0	NR	505	184	NR	635	706	NR	765	13	NR	895	0	NR
380	0	NR	510	204	NR	640	638	NR	770	11	NR	900	0	NR
385	0	NR	515	221	NR	645	570	NR	775	10	NR	905	0	NR
390	0	NR	520	237	NR	650	505	NR	780	8	NR	910	0	NR
395	0	NR	525	252	NR	655	446	NR	785	7	NR	915	0	NR
400	0	NR	530	268	NR	660	389	NR	790	6	NR	920	0	NR
405	1	NR	535	287	NR	665	339	NR	795	5	NR	925	0	NR
410	2	NR	540	310	NR	670	292	NR	800	4	NR	930	0	NR
415	5	NR	545	339	NR	675	253	NR	805	4	NR	935	0	NR
420	9	NR	550	377	NR	680	217	NR	810	3	NR	940	0	NR
425	15	NR	555	424	NR	685	186	NR	815	3	NR	945	0	NR
430	26	NR	560	482	NR	690	158	NR	820	2	NR	950	0	NR
435	43	NR	565	551	NR	695	135	NR	825	2	NR	955	0	NR
440	71	NR	570	632	NR	700	114	NR	830	2	NR	960	0	NR
445	123	NR	575	714	NR	705	97	NR	835	2	NR	965	0	NR
450	210	NR	580	797	NR	710	82	NR	840	1	NR	970	0	NR
455	245	NR	585	873	NR	715	70	NR	845	1	NR	975	0	NR
460	190	NR	590	934	NR	720	59	NR	850	1	NR	980	0	NR
465	161	NR	595	975	NR	725	50	NR	855	1	NR	985	0	NR
470	145	NR	600	996	NR	730	43	NR	860	1	NR	990	0	NR
475	117	NR	605	997	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	978	NR	740	30	NR	870	1	NR	1000	0	NR
485	113	NR	615	945	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.75

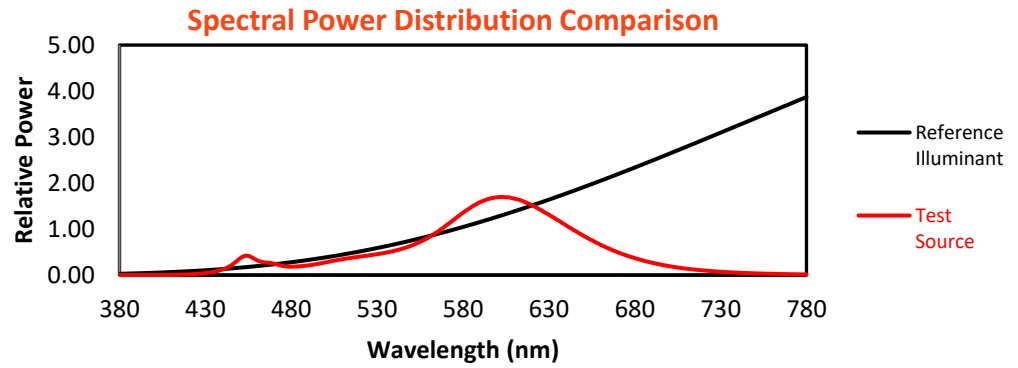
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	124	NR	620	894	NR	750	22	NR	880	0	NR
365	0	NR	495	141	NR	625	837	NR	755	19	NR	885	0	NR
370	0	NR	500	163	NR	630	774	NR	760	16	NR	890	0	NR
375	0	NR	505	184	NR	635	706	NR	765	13	NR	895	0	NR
380	0	NR	510	204	NR	640	638	NR	770	11	NR	900	0	NR
385	0	NR	515	221	NR	645	570	NR	775	10	NR	905	0	NR
390	0	NR	520	237	NR	650	505	NR	780	8	NR	910	0	NR
395	0	NR	525	252	NR	655	446	NR	785	7	NR	915	0	NR
400	0	NR	530	268	NR	660	389	NR	790	6	NR	920	0	NR
405	1	NR	535	287	NR	665	339	NR	795	5	NR	925	0	NR
410	2	NR	540	310	NR	670	292	NR	800	4	NR	930	0	NR
415	5	NR	545	339	NR	675	253	NR	805	4	NR	935	0	NR
420	9	NR	550	377	NR	680	217	NR	810	3	NR	940	0	NR
425	15	NR	555	424	NR	685	186	NR	815	3	NR	945	0	NR
430	26	NR	560	482	NR	690	158	NR	820	2	NR	950	0	NR
435	43	NR	565	551	NR	695	135	NR	825	2	NR	955	0	NR
440	71	NR	570	632	NR	700	114	NR	830	2	NR	960	0	NR
445	123	NR	575	714	NR	705	97	NR	835	2	NR	965	0	NR
450	210	NR	580	797	NR	710	82	NR	840	1	NR	970	0	NR
455	245	NR	585	873	NR	715	70	NR	845	1	NR	975	0	NR
460	190	NR	590	934	NR	720	59	NR	850	1	NR	980	0	NR
465	161	NR	595	975	NR	725	50	NR	855	1	NR	985	0	NR
470	145	NR	600	996	NR	730	43	NR	860	1	NR	990	0	NR
475	117	NR	605	997	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	978	NR	740	30	NR	870	1	NR	1000	0	NR
485	113	NR	615	945	NR	745	26	NR	875	1	NR			

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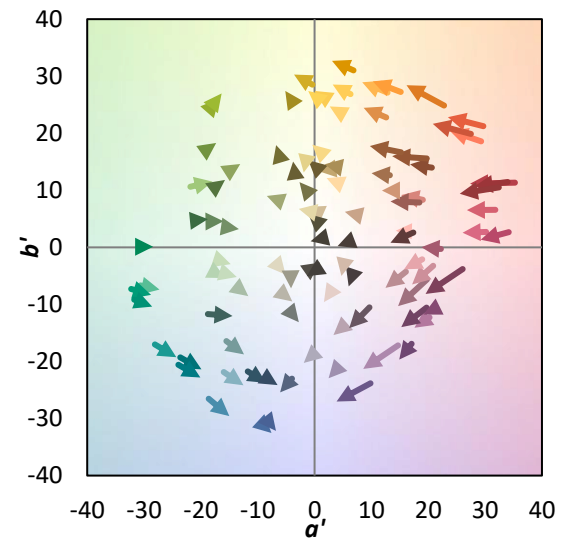
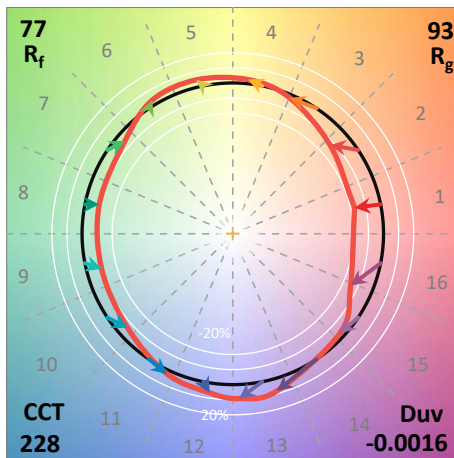
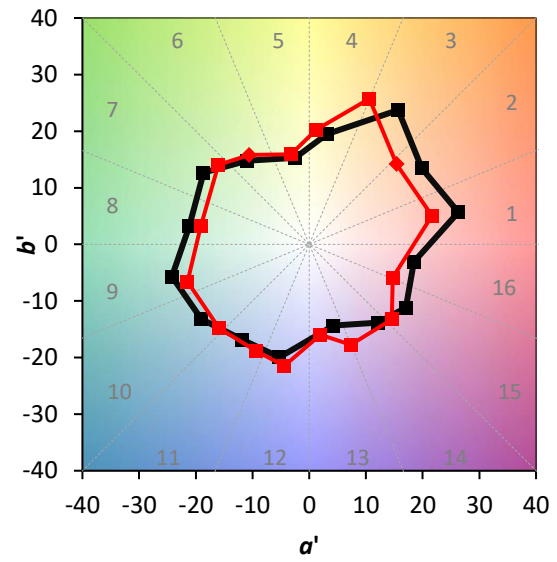
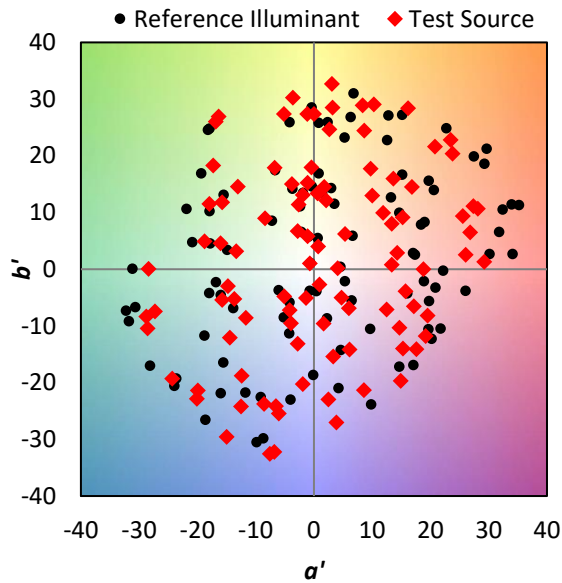
TM-30-18

Summary

$R_f = 76.9$
 $R_g = 92.6$
 $CIE R_a = 70.6$
 $R_g = -35.1$

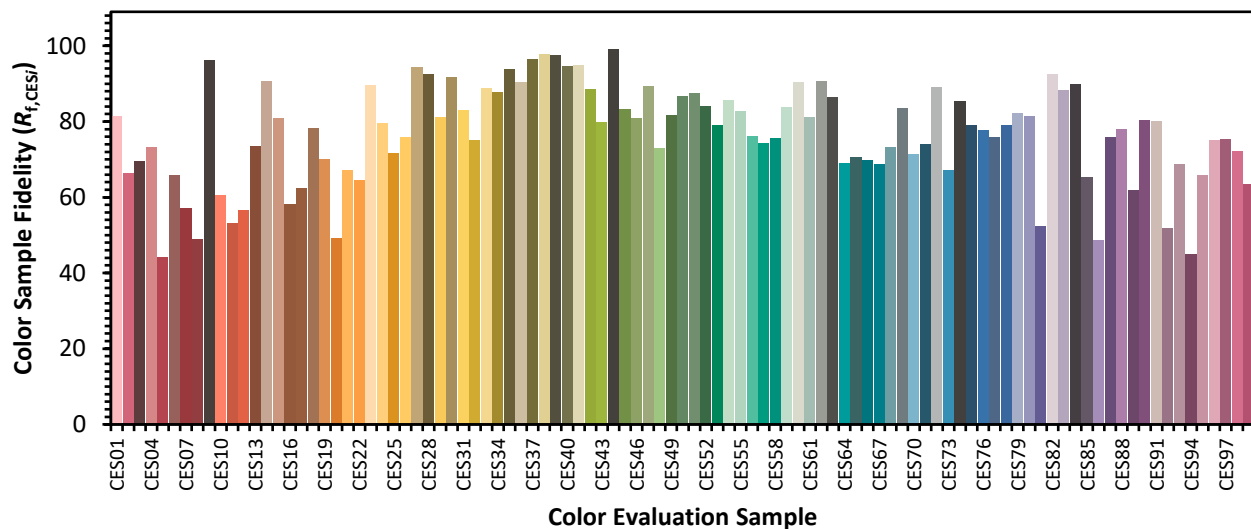


Color Vector Graphics

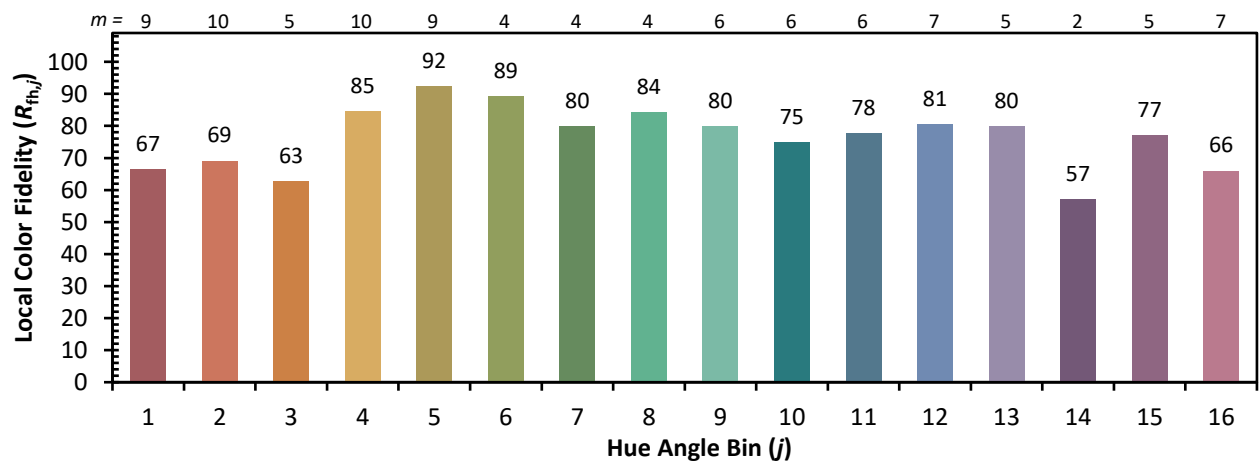
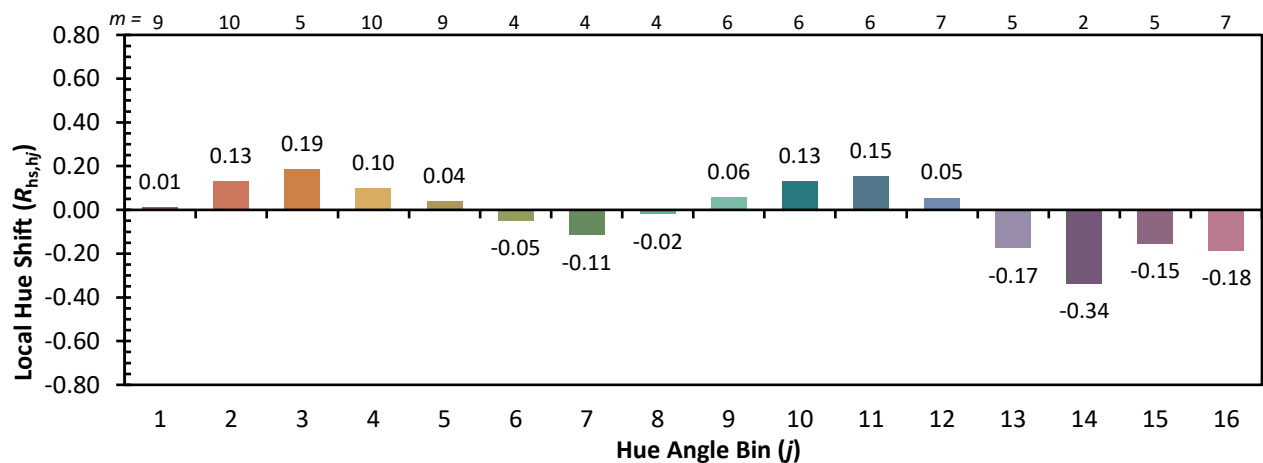
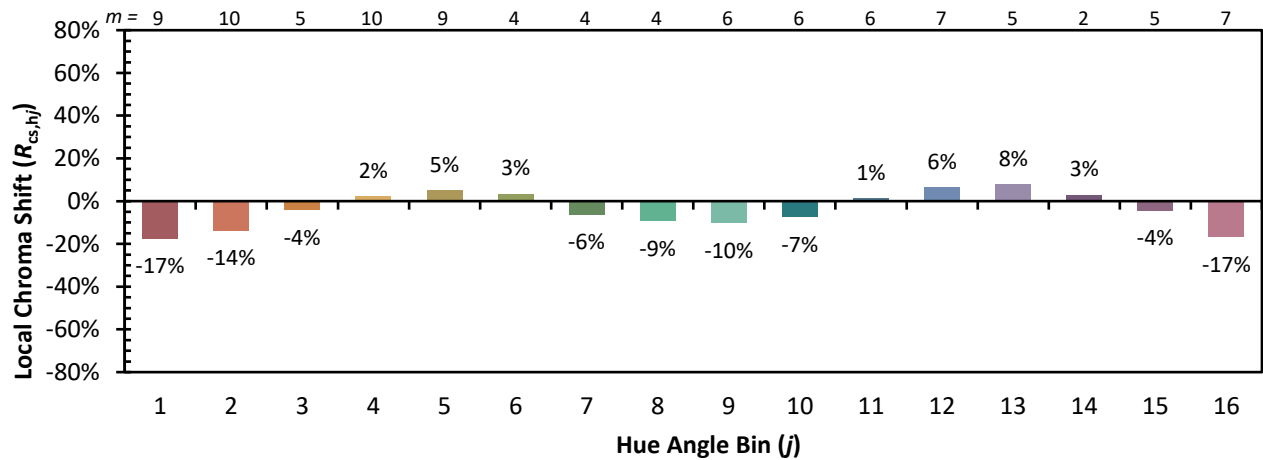


Individual Sample Fidelity Index ($R_{f,i}$)

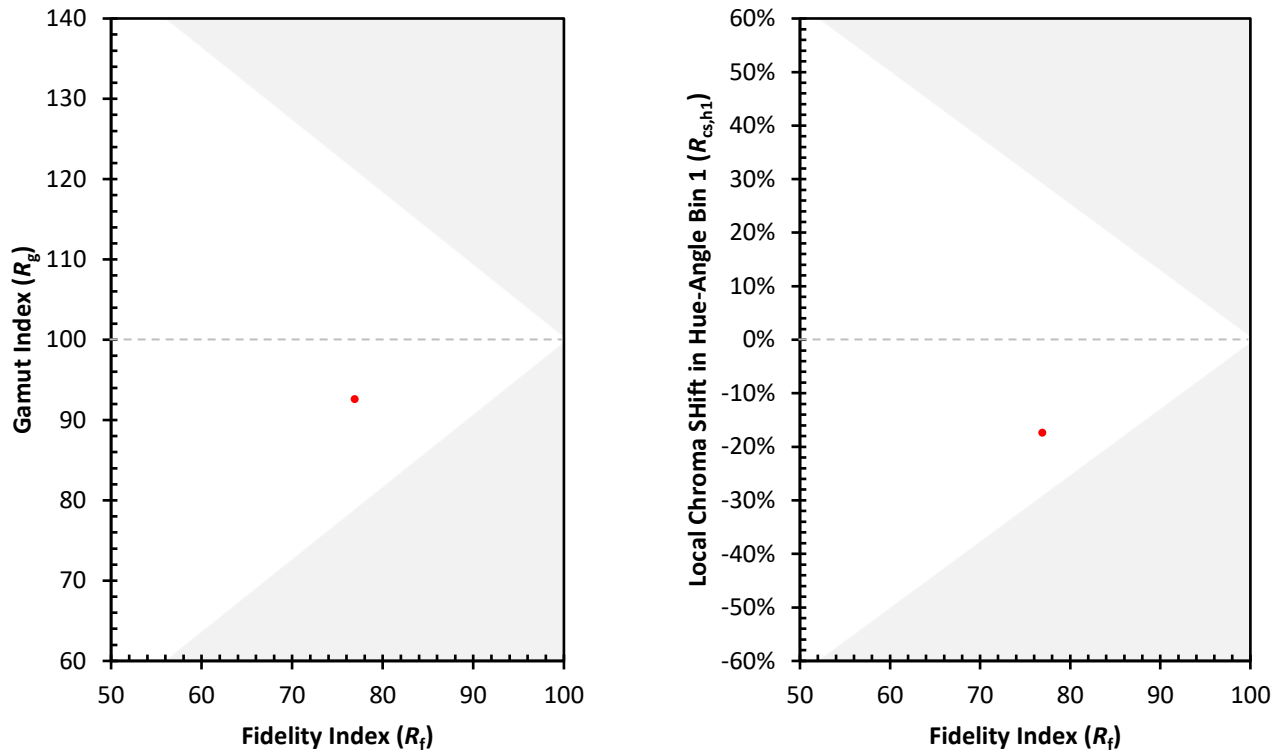
CES01 = 87	CES26 = 76	CES51 = 88	CES76 = 78
CES02 = 65	CES27 = 94	CES52 = 84	CES77 = 76
CES03 = 32	CES28 = 93	CES53 = 79	CES78 = 79
CES04 = 72	CES29 = 81	CES54 = 86	CES79 = 82
CES05 = 51	CES30 = 92	CES55 = 83	CES80 = 81
CES06 = 52	CES31 = 83	CES56 = 76	CES81 = 52
CES07 = 44	CES32 = 75	CES57 = 74	CES82 = 92
CES08 = 42	CES33 = 89	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 88	CES59 = 84	CES84 = 90
CES10 = 79	CES35 = 94	CES60 = 91	CES85 = 65
CES11 = 62	CES36 = 90	CES61 = 81	CES86 = 49
CES12 = 68	CES37 = 96	CES62 = 91	CES87 = 76
CES13 = 44	CES38 = 98	CES63 = 86	CES88 = 78
CES14 = 75	CES39 = 98	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 95	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 95	CES66 = 70	CES91 = 80
CES17 = 51	CES42 = 89	CES67 = 69	CES92 = 52
CES18 = 57	CES43 = 80	CES68 = 73	CES93 = 69
CES19 = 74	CES44 = 99	CES69 = 84	CES94 = 45
CES20 = 68	CES45 = 83	CES70 = 71	CES95 = 66
CES21 = 88	CES46 = 81	CES71 = 74	CES96 = 75
CES22 = 81	CES47 = 89	CES72 = 89	CES97 = 75
CES23 = 92	CES48 = 73	CES73 = 67	CES98 = 72
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 64
CES25 = 73	CES50 = 87	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)