

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: P1461860

Luminaire Tested: USSL-150-730-U-T4RE

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461860
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-150-730-U-T4RE
Description: USSL DISCRETE LED 1 SQUARE 150W 70CRI 3000K FIXTURE w/ TYPE IV ROADWAY
ILLUMINANCE DISTRIBUTION OPTIC
Light Source: (40) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20443.7 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

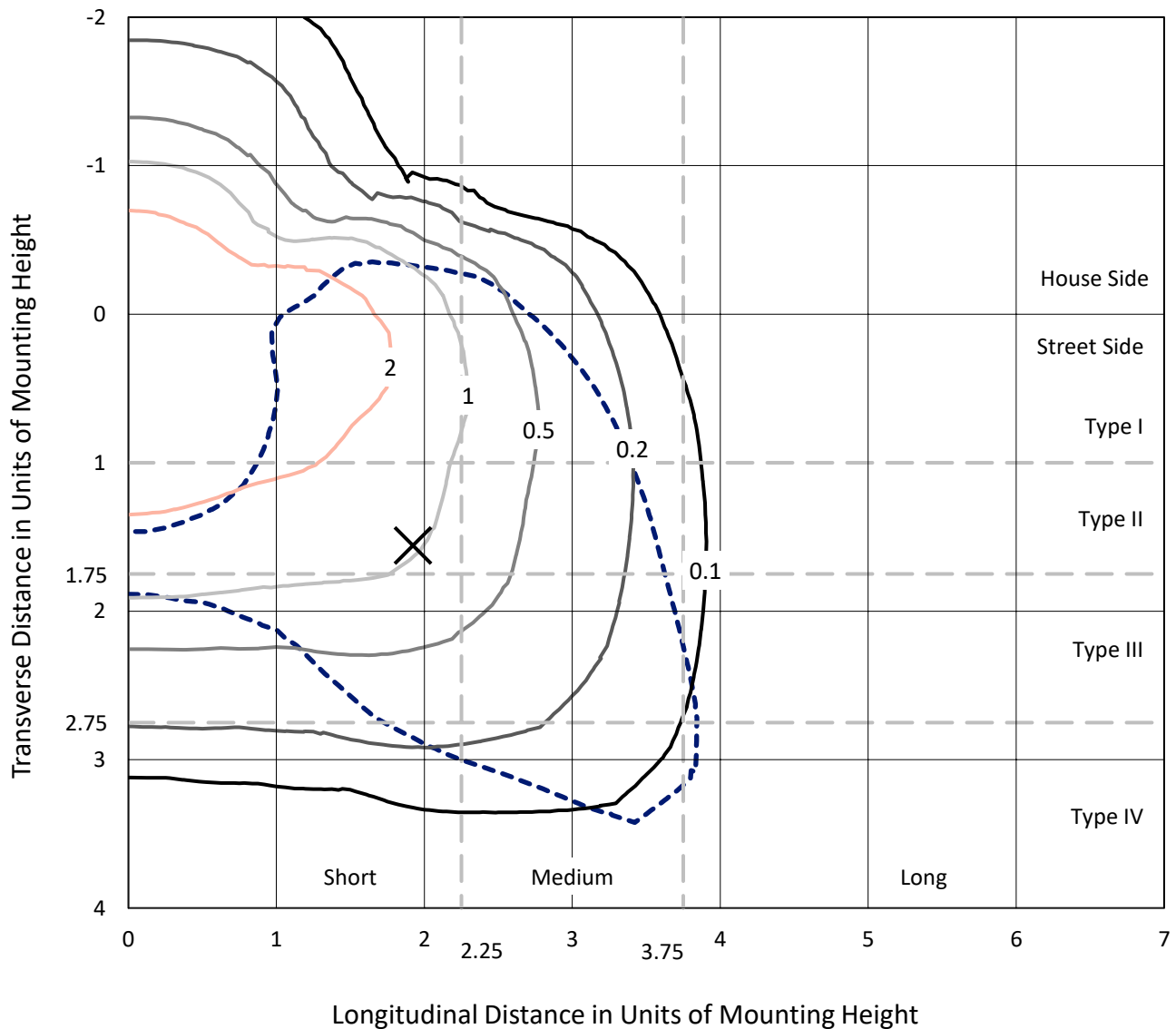
Input Watts (W): 152
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.75%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

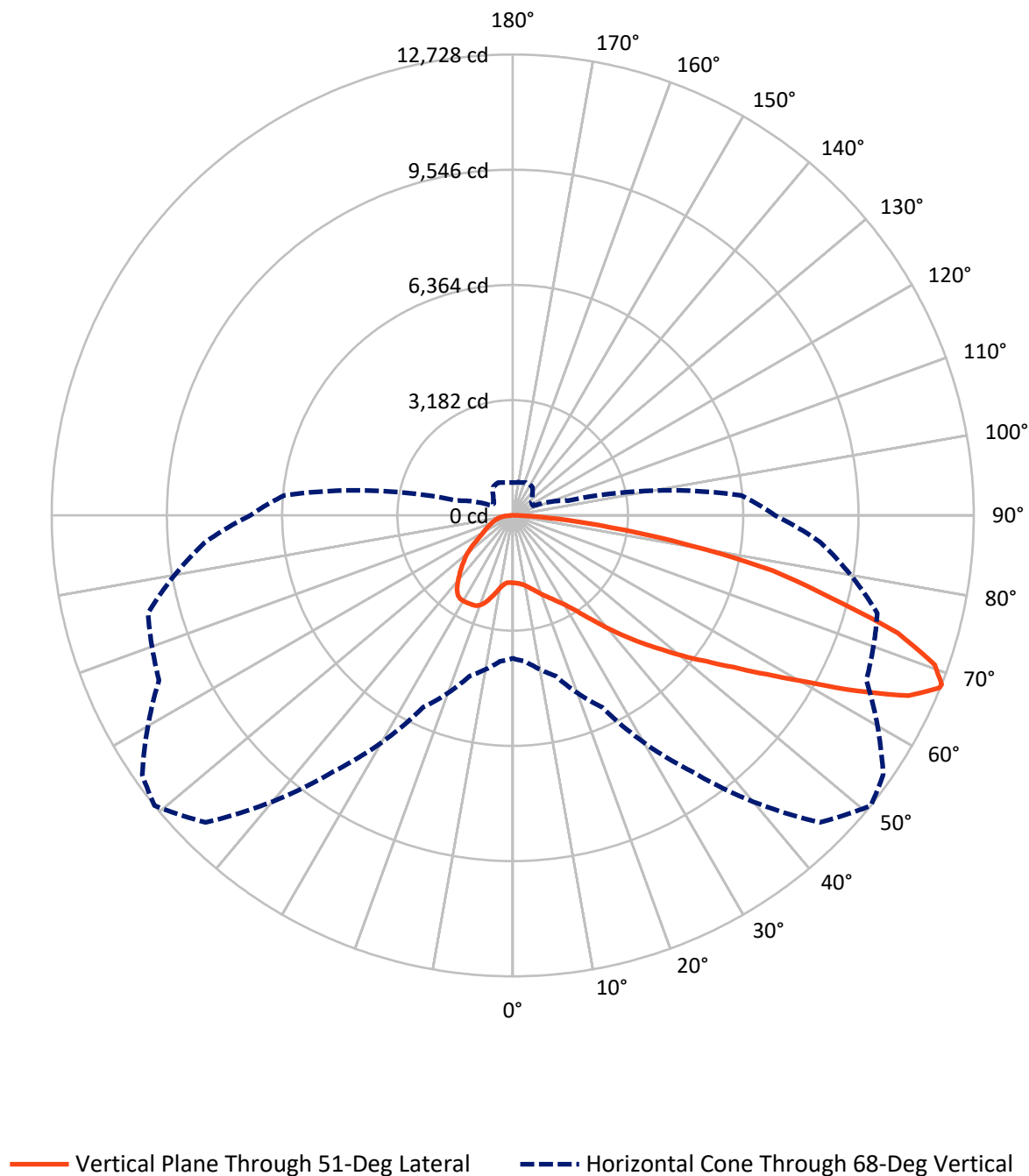


Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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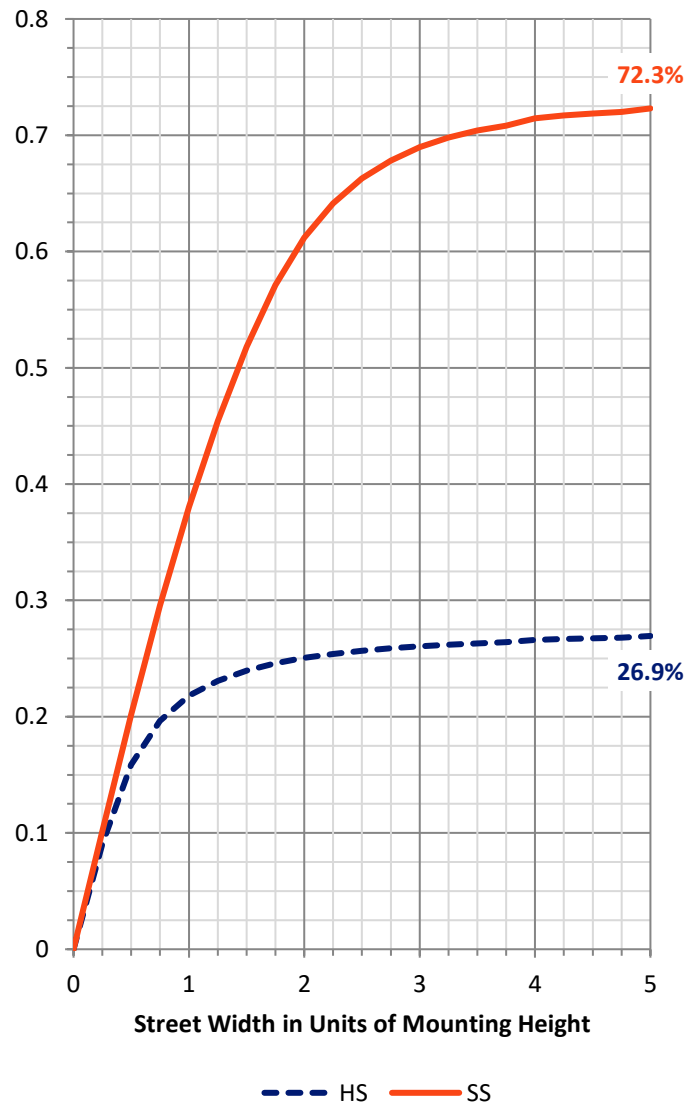
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5588.9	0.0	5588.9
	% Fixture	27.3	0.0	27.3
Street Side	Lumens	14854.9	0.0	14854.9
	% Fixture	72.7	0.0	72.7
Total	Lumens	20443.7	0.0	20443.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.1	0.9
10°-20°	642.4	3.1
20°-30°	1237.5	6.1
30°-40°	1980.4	9.7
40°-50°	3096.1	15.1
50°-60°	4459.1	21.8
60°-70°	5338.9	26.1
70°-80°	3046.6	14.9
80°-90°	458.5	2.2
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°	20443.7	100.0
0°-180°	20443.7	100.0

Coefficient of Utilization



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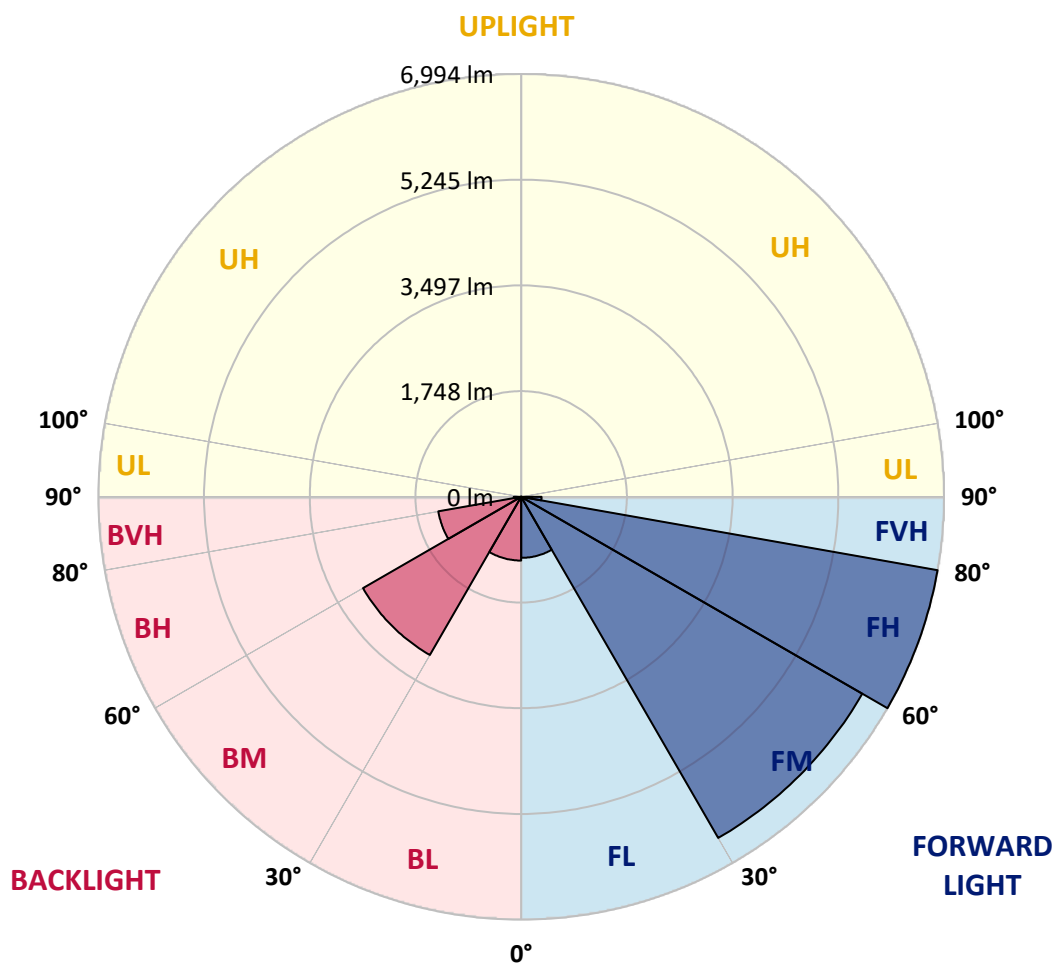
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1009.6	4.9			
FM	(30°-60°)	6514.9	31.9			
FH	(60°-80°)	6993.8	34.2			G3/7500
FVH	(80°-90°)	336.5	1.6			G3/500
BL	(0°-30°)	1054.4	5.2	B3/2500		
BM	(30°-60°)	3020.7	14.8	B3/5000		
BH	(60°-80°)	1391.8	6.8	B3/2500		G3/2500
BVH	(80°-90°)	122.0	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8
2.5°	1881.8	1880.8	1877.0	1882.7	1877.0	1876.0	1871.3	1874.1	1866.5	1867.5	1867.5
5°	1915.1	1913.2	1912.2	1909.4	1902.7	1901.8	1892.2	1897.0	1890.3	1885.6	1879.9
7.5°	1972.2	1968.4	1961.8	1955.1	1943.7	1931.3	1923.7	1928.4	1919.9	1914.1	1906.5
10°	2060.8	2057.0	2045.6	2033.2	2014.1	1990.3	1974.1	1971.3	1961.8	1953.2	1944.6
12.5°	2160.8	2157.0	2149.4	2135.1	2102.7	2069.4	2044.6	2037.9	2015.1	2002.7	1999.8
15°	2252.2	2245.5	2245.5	2226.5	2199.8	2160.8	2130.3	2119.8	2080.8	2068.4	2067.5
17.5°	2323.6	2317.0	2316.0	2310.3	2284.6	2249.4	2222.7	2212.2	2175.1	2153.2	2157.0
20°	2409.3	2402.7	2400.8	2397.0	2381.7	2349.3	2331.3	2322.7	2277.0	2247.4	2262.7
22.5°	2533.1	2528.4	2519.8	2502.7	2481.7	2461.7	2438.9	2436.0	2398.9	2374.1	2404.6
25°	2678.8	2667.4	2663.6	2636.0	2609.3	2580.8	2561.7	2565.5	2531.2	2510.3	2550.3
27.5°	2860.7	2847.4	2835.0	2807.4	2756.9	2729.3	2707.4	2711.2	2677.9	2676.9	2753.1
30°	3065.5	3061.7	3038.8	2998.8	2936.0	2901.7	2868.4	2876.0	2858.8	2870.3	2997.9
32.5°	3296.9	3297.8	3268.3	3222.6	3157.9	3114.0	3089.3	3093.1	3104.5	3157.9	3311.2
35°	3592.1	3575.0	3575.9	3523.5	3428.3	3390.2	3380.7	3386.4	3426.4	3605.4	3794.0
37.5°	3917.8	3903.5	3903.5	3864.5	3773.0	3708.3	3727.3	3743.5	3881.6	4215.9	4415.9
40°	4268.2	4248.2	4280.6	4267.3	4160.6	4138.7	4128.3	4185.4	4436.8	4897.7	5169.1
42.5°	4529.2	4532.0	4551.1	4571.1	4516.8	4544.4	4570.1	4635.8	5003.4	5646.2	5919.6
45°	4774.9	4776.8	4793.0	4823.4	4844.4	4920.6	5035.8	5130.1	5632.0	6300.5	6591.9
47.5°	5037.7	5028.2	5054.9	5130.1	5159.6	5357.7	5528.2	5692.9	6189.1	6949.9	7222.3
50°	5319.6	5320.5	5349.1	5448.2	5540.5	5844.3	6100.5	6282.4	6796.6	7599.4	7799.4
52.5°	5742.4	5706.2	5733.9	5806.2	5957.6	6367.1	6691.9	6903.3	7405.2	8214.6	8428.9
55°	6214.8	6221.4	6262.4	6311.9	6519.5	7033.8	7394.7	7635.6	8067.0	8957.4	9162.2
57.5°	6668.1	6632.8	6746.2	6906.1	7146.1	7864.2	8286.0	8474.6	8787.9	9846.9	9972.6
60°	6784.2	6792.8	6989.0	7400.4	7925.1	8928.8	9331.7	9426.0	9709.7	10971.5	10657.3
62.5°	6262.4	6288.1	6736.6	7557.5	8639.3	10160.2	10668.7	10674.4	10714.4	11505.8	10693.5
65°	5112.0	5165.3	5770.0	6992.8	8959.3	11368.7	12001.9	11955.3	11143.9	11305.8	10032.6
67.5°	4138.7	4207.3	4763.4	6082.4	8714.6	11979.1	12712.4	12475.2	10894.4	10644.0	8815.5
68°	3948.3	4043.5	4590.1	5844.3	8637.4	11988.6	12727.6	12484.8	10772.5	10422.1	8526.0
70°	3285.5	3386.4	3909.2	5197.7	8320.3	11664.8	12359.1	12159.1	10115.4	9366.9	7378.5
72.5°	2060.8	2121.7	2745.5	4139.7	7582.3	10478.3	11121.1	11071.5	9055.5	7658.5	5592.9
75°	884.7	914.2	1362.8	2497.9	5843.4	8848.9	9035.5	9068.8	7180.4	5420.5	3542.6
77.5°	580.0	580.9	630.4	1104.7	3536.9	7099.5	7340.4	6786.2	4814.9	2887.4	1658.0
80°	487.6	485.7	482.8	529.5	1565.6	4772.0	4892.0	4341.6	2449.3	1171.3	570.4
82.5°	412.3	402.8	382.8	397.1	610.4	2437.9	2709.3	2381.7	1124.7	422.8	256.2
85°	289.5	279.0	252.4	273.3	308.5	1060.9	1207.5	1049.4	399.0	246.6	151.4
87.5°	124.8	104.8	108.6	128.6	138.1	316.2	331.4	233.3	136.2	101.9	60.9
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8
2.5°	1863.7	1863.7	1860.8	1859.9	1856.0	1856.0	1851.3	1851.3	1852.2	1848.4	1849.4
5°	1878.0	1875.1	1872.2	1867.5	1864.6	1864.6	1867.5	1871.3	1874.1	1875.1	1874.1
7.5°	1901.8	1901.8	1899.9	1898.9	1906.5	1921.8	1940.8	1951.3	1973.2	1979.9	1987.5
10°	1944.6	1943.7	1948.4	1967.5	1999.8	2039.8	2075.1	2105.6	2137.9	2142.7	2150.3
12.5°	1994.1	2005.6	2031.3	2079.8	2144.6	2197.9	2250.3	2298.9	2327.4	2346.5	2341.7
15°	2072.2	2091.3	2149.4	2235.1	2299.8	2373.2	2430.3	2472.2	2501.7	2512.2	2521.7
17.5°	2175.1	2208.4	2298.9	2397.9	2473.1	2528.4	2569.3	2580.8	2594.1	2599.8	2603.6
20°	2298.9	2363.6	2477.0	2565.5	2616.0	2631.2	2638.8	2635.0	2641.7	2650.3	2655.0
22.5°	2453.1	2538.9	2665.5	2709.3	2698.8	2676.0	2672.2	2677.9	2694.1	2698.8	2706.5
25°	2636.9	2719.8	2836.0	2802.6	2720.7	2691.2	2716.9	2719.8	2721.7	2719.8	2726.5
27.5°	2851.2	2934.1	2970.3	2818.8	2711.2	2724.6	2746.5	2716.0	2677.9	2652.2	2659.8
30°	3086.4	3146.4	3055.0	2792.2	2715.0	2742.6	2708.4	2609.3	2547.4	2513.1	2517.9
32.5°	3389.3	3386.4	3092.1	2778.8	2739.8	2697.9	2569.3	2457.0	2384.6	2343.6	2345.5
35°	3774.0	3662.6	3121.7	2816.9	2734.1	2577.9	2427.4	2306.5	2249.4	2216.0	2219.8
37.5°	4286.3	3976.8	3187.4	2872.2	2638.8	2426.5	2279.8	2207.5	2177.9	2154.1	2159.8
40°	4955.8	4410.1	3383.6	2884.5	2461.7	2252.2	2193.2	2157.0	2128.4	2101.7	2111.3
42.5°	5524.3	4853.0	3766.4	2796.9	2240.8	2115.1	2136.0	2108.4	2064.6	2017.0	2021.8
45°	6091.0	5247.2	4218.7	2606.5	2014.1	2013.2	2061.7	2020.8	1959.9	1886.5	1888.4
47.5°	6568.1	5633.9	4674.9	2374.1	1807.5	1883.7	1944.6	1890.3	1789.4	1698.0	1689.4
50°	7005.2	6072.9	5055.8	2112.2	1631.3	1723.7	1756.1	1664.6	1584.6	1532.3	1527.5
52.5°	7473.7	6594.7	5360.5	1880.8	1440.8	1501.8	1529.4	1500.8	1466.6	1435.1	1428.5
55°	8076.5	7275.6	5678.6	1718.0	1238.0	1295.1	1351.3	1399.9	1378.9	1362.8	1353.2
57.5°	8787.9	8142.2	5777.7	1508.5	1058.0	1115.2	1256.1	1330.4	1314.2	1302.8	1298.9
60°	9323.1	8763.1	5220.6	1172.3	911.4	999.9	1196.1	1279.9	1246.6	1217.1	1208.5
62.5°	9303.1	8602.2	4059.7	889.5	813.3	922.8	1135.2	1201.8	1151.3	1124.7	1113.2
65°	8606.0	7848.0	2858.8	737.1	725.7	848.5	1053.3	1104.7	1058.0	1026.6	1020.9
67.5°	7515.6	6686.2	1775.1	640.0	649.5	771.4	966.6	1015.2	959.9	931.4	933.3
68°	7242.3	6331.9	1577.0	620.0	632.3	759.9	948.5	990.4	939.9	913.3	911.4
70°	6189.1	5230.1	1041.8	564.7	580.0	705.7	880.9	911.4	869.5	847.6	842.8
72.5°	4572.0	3546.4	600.9	499.0	520.0	638.0	789.5	820.9	813.3	819.0	828.5
75°	2827.4	2047.5	443.8	440.9	462.8	582.8	715.2	773.3	790.4	817.1	823.7
77.5°	1349.4	987.5	366.6	380.9	408.5	513.3	650.4	741.8	743.8	747.6	752.3
80°	444.7	377.1	309.5	313.3	353.3	451.4	588.5	655.2	610.4	599.0	584.7
82.5°	235.2	242.8	249.5	252.4	294.3	372.4	461.9	484.7	445.7	313.3	309.5
85°	137.1	144.8	160.0	173.3	201.9	257.1	333.3	334.3	283.8	140.0	122.8
87.5°	45.7	55.2	54.3	64.8	76.2	102.8	140.9	145.7	117.1	48.6	27.6
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: SP2-2501-321-4

Test Date: 04/10/2025

Luminaire Tested: GKO-PB1E-730-U-T4W

Data in this report applies to families of products including GKO-PB1E-730-U-T4W

Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-4
 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-730-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 3072
 CIE u' : 0.2482
 CIE v' : 0.5193
 Duv: -0.0004
 CIE x: 0.4313
 CIE y: 0.4010
 CIE z: 0.1677
 Peak Wavelength (nm): 593
 Dominant Wavelength (nm): 582
 Purity: 49.8225
 R_f: 74.7
 R_g: 94.2

CRI (Ra): 71.7
 R1: 68.1
 R2: 82.1
 R3: 93.4
 R4: 67.3
 R5: 67.2
 R6: 74.9
 R7: 77.5
 R8: 43.4
 R9: -33.9
 R10: 58.6
 R11: 62.0
 R12: 48.5
 R13: 70.7
 R14: 96.4
 R15: 60.2



Test Conditions

Stabilization Time: 30M
 Operation Time: 1H 30M
 Sphere Temperature (°C): 25.7

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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 3000K 4-step quadrangle

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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	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.24

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	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.3

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	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

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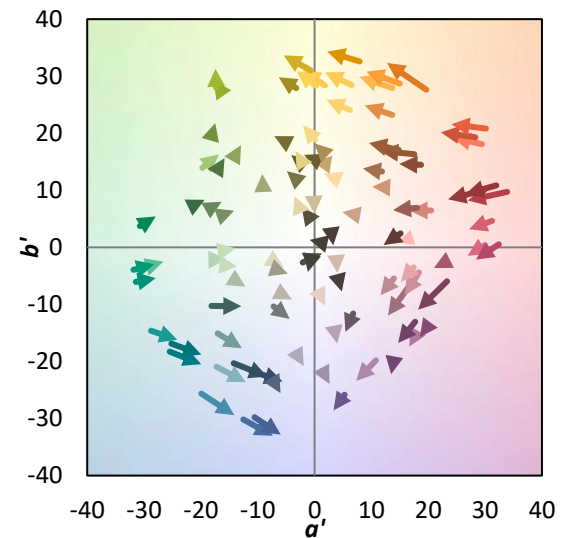
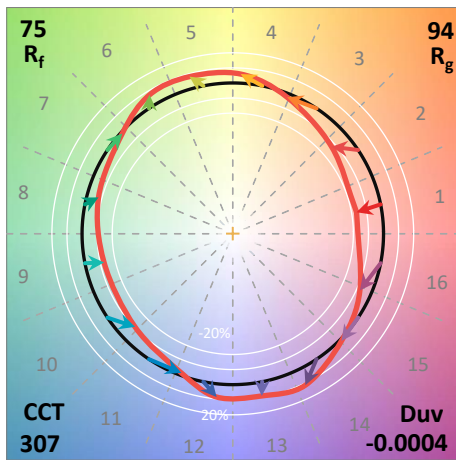
TM-30-18

Summary

$R_f = 74.7$
 $R_g = 94.2$
 $\text{CIE } R_a = 71.7$
 $R_g = -33.9$



Color Vector Graphics

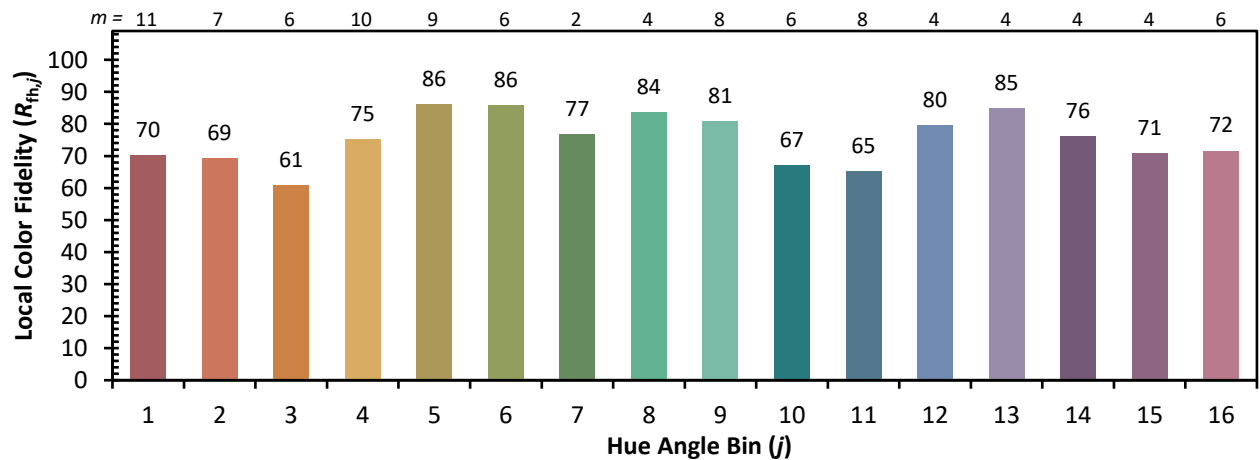


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 65	CES51 = 86	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 62
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 85
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 78	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 75	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 76
CES11 = 59	CES36 = 94	CES61 = 81	CES86 = 64
CES12 = 65	CES37 = 84	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 65	CES89 = 67
CES15 = 71	CES40 = 92	CES65 = 65	CES90 = 79
CES16 = 47	CES41 = 93	CES66 = 60	CES91 = 80
CES17 = 50	CES42 = 86	CES67 = 58	CES92 = 57
CES18 = 56	CES43 = 78	CES68 = 66	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 75	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 60	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 57	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 52	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 60	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)