

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: LUMARK

Report Number: P1449821

Luminaire Tested: **TWC100_T2_60W_3000K**

Issue Date: 5/19/2026

Test Information

Test Method: LM-79-08
Report Number: P1449821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (20260310022)
Test Lab: INNOVATION CENTER
Issue Date: 5/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: TWC100_T2_60W_3000K
Description: Tapered Wall Cutoff Wall Mount Luminaire at, T2 distribution, 60W
3000K settings
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9754 lumens
Efficiency: N/A
Efficacy: 165.9 lumens/watt
Luminous Opening: Rectangular (W 0.92' x L: 0.42' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U3 - G3

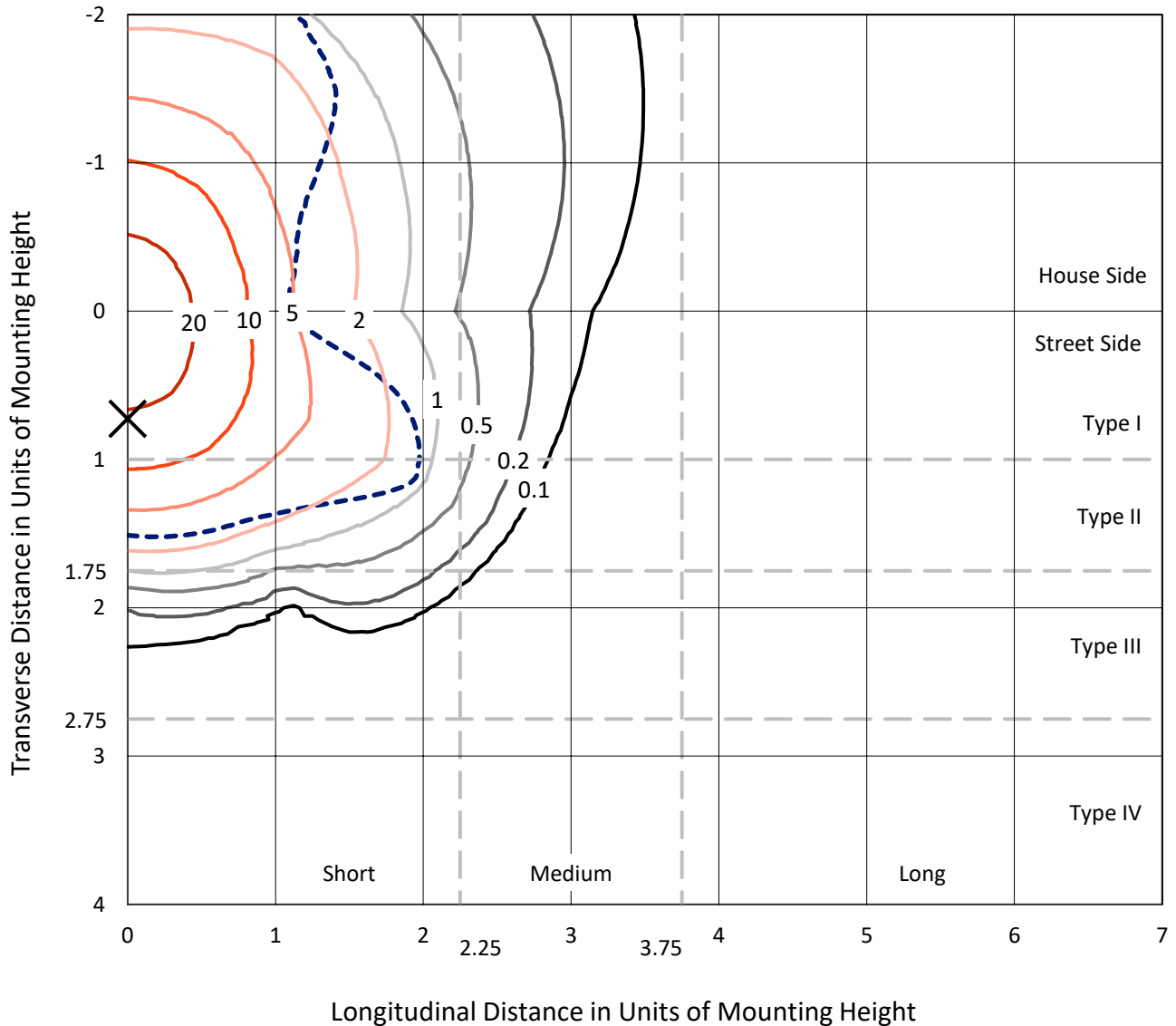
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

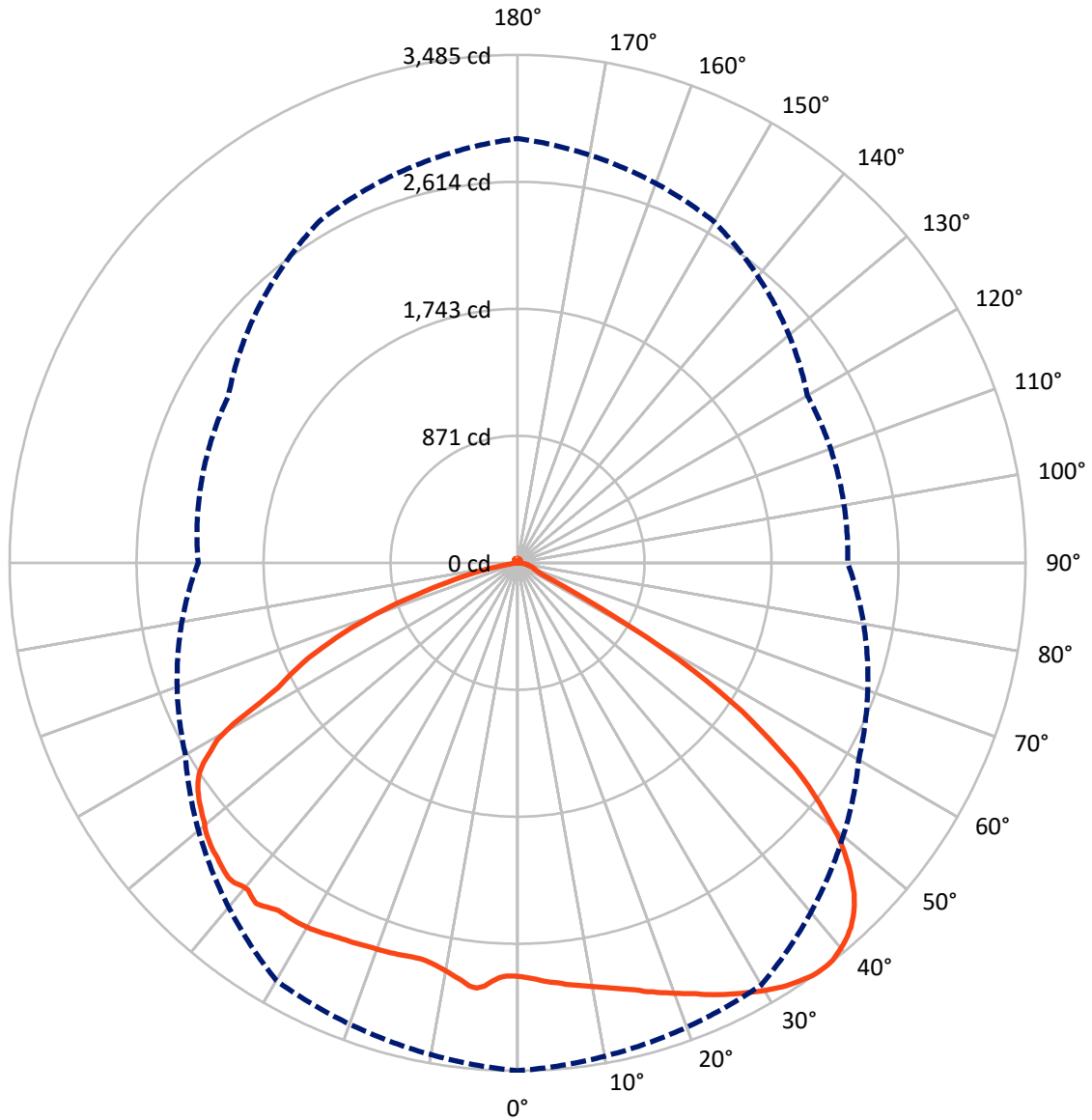
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 36-Deg Vertical

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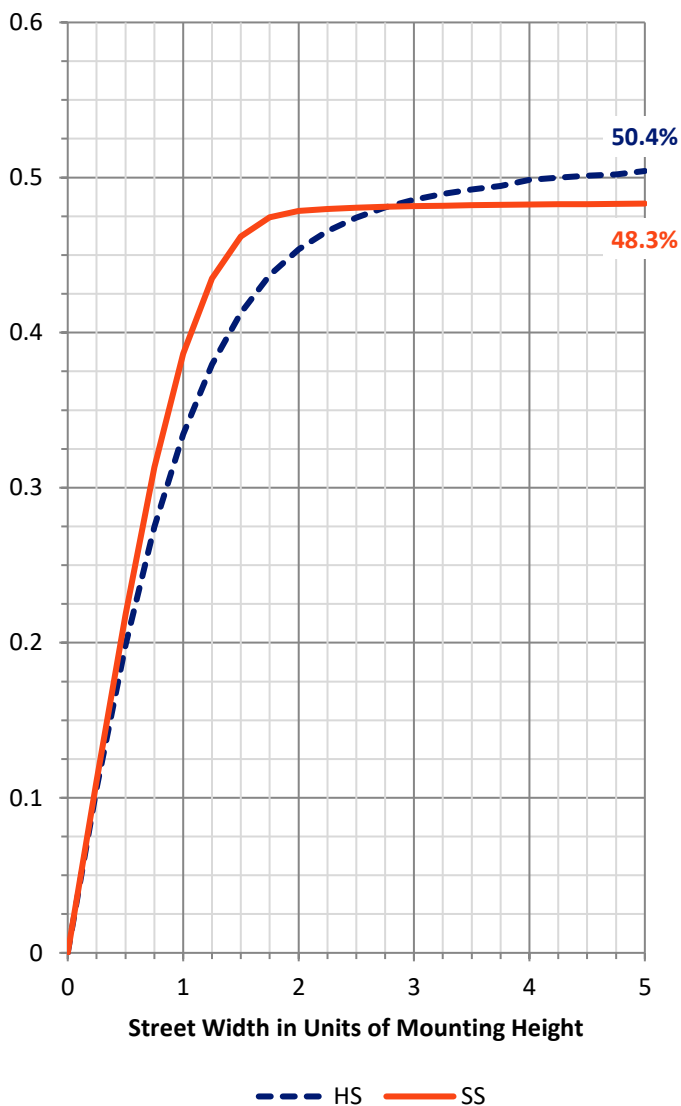
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4937.3	52.6	4989.9
	% Fixture	50.6	0.5	51.2
Street Side	Lumens	4711.5	52.6	4764.1
	% Fixture	48.3	0.5	48.8
Total	Lumens	9648.8	105.2	9754.0
	% Fixture	98.9	1.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.5	2.8
10°-20°	804.8	8.3
20°-30°	1299.4	13.3
30°-40°	1722.3	17.7
40°-50°	1972.0	20.2
50°-60°	1869.7	19.2
60°-70°	1170.4	12.0
70°-80°	445.9	4.6
80°-90°	90.8	0.9
90°-100°	4.6	0.0
100°-110°	9.2	0.1
110°-120°	14.2	0.1
120°-130°	17.6	0.2
130°-140°	18.4	0.2
140°-150°	16.8	0.2
150°-160°	13.2	0.1
160°-170°	8.3	0.1
170°-180°	2.9	0.0
0°-90°	9648.8	98.9
0°-180°	9754.0	100.0

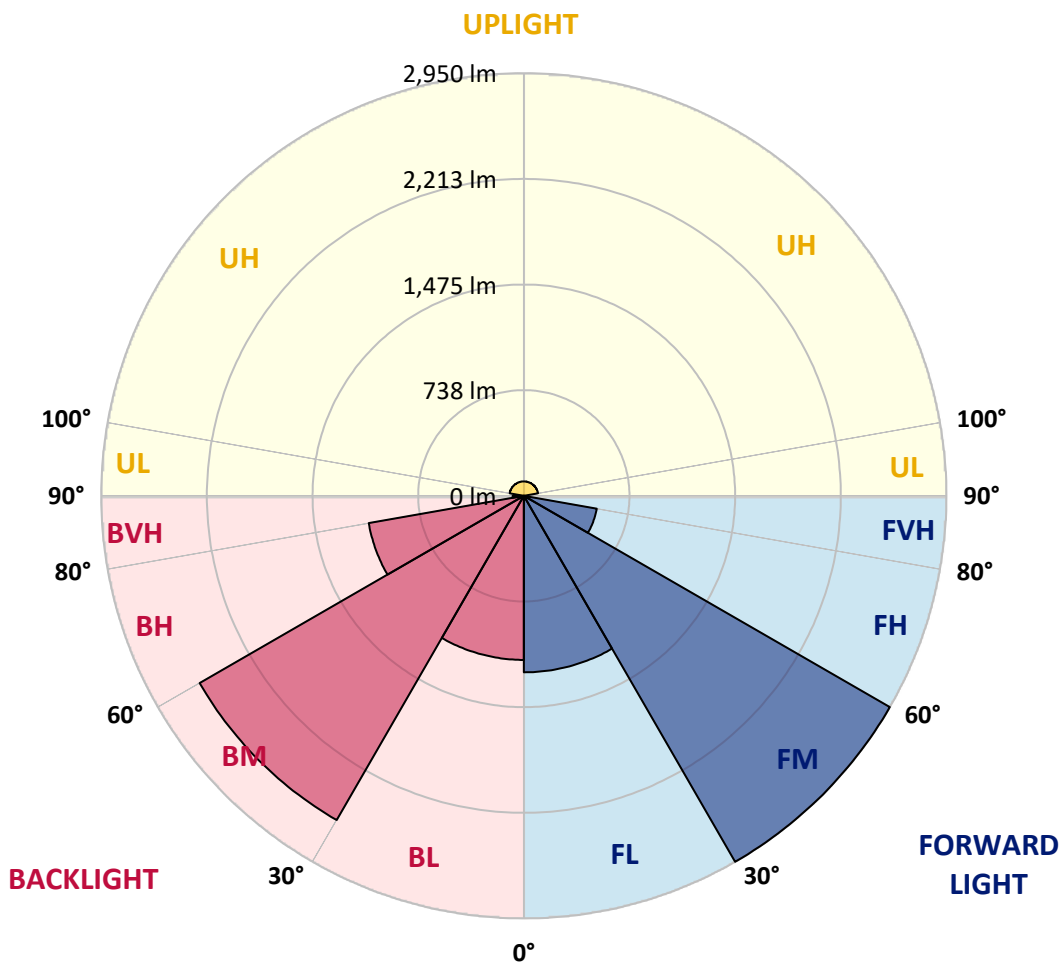


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1232.2	12.6			
FM (30°-60°)	2950.3	30.2			
FH (60°-80°)	516.9	5.3			G0/660
FVH (80°-90°)	12.1	0.1			G1/100
BL (0°-30°)	1145.5	11.7	B3/2500		
BM (30°-60°)	2613.7	26.8	B3/5000		
BH (60°-80°)	1099.5	11.3	B3/2500		G3/2500
BVH (80°-90°)	78.6	0.8			G1/100
UL (90°-100°)	4.6	0.0		U1/10	
UH (100°-180°)	100.6	1.0		U3/500	

BUG Rating: B3-U3-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	2839.0	2839.0	2839.0	2839.0	2839.0	2839.0	2839.0	2839.0	2839.0	2839.0	2839.0
1°	2849.2	2848.0	2845.9	2838.0	2835.4	2831.2	2835.0	2832.6	2830.8	2836.4	2842.2
2°	2859.9	2857.8	2849.9	2841.0	2831.6	2823.6	2835.8	2828.5	2826.1	2833.3	2847.1
3°	2874.4	2869.1	2856.0	2839.7	2825.8	2822.3	2847.5	2834.5	2822.0	2832.2	2851.5
4°	2885.9	2879.6	2861.3	2836.7	2821.6	2827.7	2875.9	2849.3	2821.8	2827.9	2853.8
5°	2895.4	2887.8	2863.0	2833.0	2819.6	2843.1	2913.6	2883.7	2822.0	2821.6	2859.1
6°	2910.3	2895.0	2864.3	2822.3	2818.4	2877.7	2931.5	2912.8	2825.3	2814.5	2859.7
7°	2921.4	2903.6	2865.3	2816.9	2821.1	2907.0	2921.5	2924.3	2832.1	2807.0	2858.9
8°	2933.2	2911.8	2865.6	2810.5	2827.8	2918.5	2893.7	2914.3	2847.1	2799.0	2857.6
9°	2945.0	2923.7	2864.6	2804.6	2838.7	2904.2	2872.7	2881.5	2863.7	2790.0	2851.2
10°	2958.2	2932.0	2862.7	2795.9	2859.3	2876.9	2851.4	2859.2	2874.3	2775.3	2848.8
11°	2972.4	2940.9	2861.4	2785.4	2869.8	2853.8	2833.9	2837.2	2873.2	2763.4	2845.0
12°	2989.6	2951.6	2859.1	2772.8	2871.8	2832.5	2817.2	2818.9	2863.9	2751.8	2841.5
13°	3005.4	2959.8	2855.9	2760.3	2863.2	2813.5	2805.9	2798.2	2840.9	2738.9	2835.3
14°	3023.0	2971.0	2853.0	2748.4	2843.3	2793.7	2797.7	2779.8	2813.3	2727.9	2830.9
15°	3041.5	2983.1	2846.1	2731.0	2813.5	2775.5	2798.8	2769.3	2787.0	2713.2	2825.8
16°	3066.7	2996.3	2842.0	2717.2	2787.3	2763.3	2800.6	2763.3	2760.4	2697.4	2824.5
17°	3086.5	3015.0	2839.4	2701.9	2760.8	2757.1	2806.8	2759.0	2734.2	2681.5	2820.4
18°	3109.6	3028.9	2840.0	2685.8	2734.0	2752.3	2811.1	2755.8	2704.0	2661.0	2815.7
19°	3130.9	3044.4	2836.0	2671.8	2708.7	2749.3	2815.1	2753.3	2677.7	2644.4	2810.6
20°	3154.0	3061.9	2833.1	2654.8	2681.2	2741.1	2819.3	2748.0	2650.9	2628.3	2800.1
21°	3177.2	3078.4	2825.0	2639.5	2650.7	2737.1	2821.4	2745.8	2625.7	2613.1	2793.5
22°	3200.2	3096.2	2820.8	2622.6	2623.9	2735.0	2826.4	2743.4	2603.2	2598.2	2787.0
23°	3230.8	3114.0	2816.5	2601.9	2602.3	2735.2	2831.9	2741.7	2583.9	2584.9	2784.0
24°	3256.4	3131.4	2810.9	2586.5	2580.1	2734.0	2839.0	2742.4	2564.6	2572.2	2777.3
25°	3281.2	3150.2	2808.5	2573.0	2560.8	2731.7	2843.7	2741.6	2545.5	2562.9	2768.7
26°	3305.8	3168.7	2801.1	2563.2	2540.2	2730.0	2849.5	2740.1	2524.7	2554.1	2759.0
27°	3330.2	3193.2	2794.2	2553.0	2519.3	2725.8	2858.7	2736.8	2502.5	2542.1	2746.5
28°	3352.6	3211.8	2785.4	2543.0	2493.8	2722.7	2868.9	2733.8	2479.5	2518.7	2735.0
29°	3376.8	3230.5	2775.8	2529.3	2471.2	2719.6	2876.0	2730.4	2456.9	2497.2	2724.1
30°	3399.5	3247.2	2766.5	2509.2	2447.5	2716.0	2884.7	2730.1	2428.6	2469.3	2712.3
31°	3420.5	3261.9	2758.3	2484.7	2423.4	2713.1	2889.9	2725.8	2405.3	2430.5	2697.3
32°	3438.7	3279.6	2747.2	2455.9	2394.8	2709.6	2893.5	2725.1	2382.1	2384.6	2685.0
33°	3454.5	3296.8	2737.9	2417.1	2369.6	2707.8	2894.9	2723.5	2360.8	2336.5	2672.3
34°	3467.1	3314.2	2726.8	2361.9	2345.0	2705.5	2894.2	2722.0	2337.9	2292.4	2662.0
35°	3480.1	3331.8	2714.0	2313.6	2320.4	2705.8	2895.0	2719.1	2314.9	2247.7	2647.9
36°	3485.0	3344.1	2702.7	2264.5	2296.1	2700.6	2911.1	2711.2	2290.9	2191.6	2632.4
37°	3484.5	3354.0	2691.0	2214.3	2272.1	2692.8	2930.2	2704.0	2262.0	2142.9	2617.5
38°	3478.5	3360.8	2678.3	2163.8	2246.9	2683.6	2946.5	2702.7	2237.0	2093.3	2596.3
39°	3460.9	3364.6	2666.2	2113.1	2221.4	2678.0	2930.2	2708.5	2209.4	2042.7	2583.9
40°	3442.5	3363.0	2656.7	2062.8	2188.8	2686.7	2907.5	2720.3	2179.4	1989.9	2571.3
41°	3417.9	3356.6	2646.8	2013.4	2161.2	2698.4	2914.3	2710.5	2149.2	1943.6	2560.9
42°	3386.8	3345.0	2640.5	1957.8	2131.7	2689.8	2931.3	2675.9	2120.7	1899.2	2554.5
43°	3345.4	3322.6	2635.6	1910.6	2101.3	2655.1	2933.5	2668.8	2089.0	1852.5	2546.4
44°	3296.6	3296.9	2631.8	1865.4	2066.8	2647.3	2922.0	2676.0	2054.4	1807.2	2539.8



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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	3237.9	3264.4	2631.3	1819.8	2032.7	2655.2	2904.8	2674.0	2018.6	1761.3	2535.9
46°	3161.5	3223.1	2631.8	1771.2	1993.2	2653.6	2887.9	2658.6	1989.9	1712.5	2534.2
47°	3082.6	3173.7	2632.2	1722.2	1960.5	2639.7	2875.5	2642.9	1973.4	1656.5	2532.2
48°	2992.4	3112.6	2634.8	1672.0	1943.0	2623.7	2858.4	2627.2	1953.5	1607.1	2530.4
49°	2891.6	3041.5	2637.1	1621.0	1924.9	2607.6	2839.7	2611.4	1892.3	1557.3	2531.8
50°	2767.9	2960.5	2639.7	1565.6	1874.1	2591.9	2817.5	2589.3	1848.8	1506.8	2528.9
51°	2648.2	2853.2	2643.5	1515.6	1819.3	2570.3	2787.7	2565.0	1824.3	1455.9	2529.9
52°	2517.0	2747.1	2645.1	1463.5	1795.1	2547.9	2765.7	2540.9	1791.5	1402.7	2531.7
53°	2369.1	2629.0	2646.9	1406.0	1764.7	2523.1	2743.1	2515.1	1757.3	1351.4	2533.2
54°	2192.4	2489.5	2646.2	1354.2	1729.2	2496.9	2719.3	2489.7	1720.1	1299.3	2536.4
55°	2021.6	2348.9	2645.0	1301.6	1689.9	2472.1	2693.6	2466.8	1682.1	1245.7	2535.4
56°	1845.9	2189.3	2641.3	1249.2	1650.8	2449.6	2660.8	2444.5	1643.6	1183.9	2531.9
57°	1634.0	1995.9	2631.1	1191.8	1608.5	2424.5	2619.1	2422.5	1595.8	1128.8	2524.9
58°	1417.2	1807.3	2616.3	1136.5	1558.5	2402.3	2555.7	2391.4	1550.3	1074.3	2509.5
59°	1173.5	1614.6	2588.3	1081.5	1510.8	2377.4	2467.9	2360.8	1505.5	1013.8	2489.6
60°	883.8	1412.5	2552.7	1019.5	1465.0	2347.4	2390.0	2324.6	1463.1	958.9	2459.7
61°	624.0	1167.3	2501.5	966.2	1415.4	2309.3	2234.7	2269.7	1420.0	903.8	2417.8
62°	416.0	921.6	2432.3	912.7	1373.7	2258.4	2006.0	2189.7	1382.4	848.2	2351.2
63°	274.1	658.9	2322.2	857.5	1331.2	2191.2	1851.5	2118.0	1344.0	793.8	2263.0
64°	189.5	421.8	2187.1	797.7	1289.7	2115.2	1762.8	1963.0	1306.7	750.0	2140.4
65°	163.7	241.3	2014.2	750.5	1247.8	1939.6	1674.3	1793.9	1268.1	694.4	1973.7
66°	152.6	152.2	1800.0	700.7	1208.7	1779.9	1578.6	1701.5	1231.0	641.5	1738.0
67°	143.8	119.7	1522.1	634.3	1169.0	1700.9	1460.1	1638.7	1190.8	591.1	1478.6
68°	135.0	107.7	1231.7	577.0	1127.3	1633.7	1350.0	1577.1	1143.2	535.4	1194.0
69°	126.6	98.9	921.2	523.4	1078.9	1573.1	1236.7	1496.0	1095.6	483.0	851.5
70°	119.7	90.0	619.4	474.0	1032.6	1501.3	1106.5	1419.0	1045.7	432.8	564.4
71°	115.0	82.9	389.4	420.9	982.3	1427.0	985.5	1343.8	990.1	380.9	345.7
72°	108.6	78.0	218.5	374.5	922.6	1348.5	859.1	1265.8	906.9	335.6	199.8
73°	102.3	73.3	126.4	331.0	842.3	1271.7	718.7	1176.5	831.0	293.5	118.1
74°	93.8	67.4	96.9	291.3	765.9	1191.3	602.4	1088.9	785.2	251.9	96.5
75°	87.4	60.4	83.1	250.8	720.8	1108.0	499.6	986.1	737.3	218.4	83.5
76°	80.4	53.2	74.2	217.5	675.2	1000.6	411.6	867.7	689.6	187.8	75.4
77°	75.5	48.1	69.0	189.3	628.4	887.0	331.4	744.0	645.7	160.6	70.2
78°	70.6	43.5	65.7	163.9	586.9	771.7	267.6	640.8	604.7	134.1	68.2
79°	66.4	40.1	60.8	139.7	547.9	664.3	200.7	550.5	561.4	112.2	63.9
80°	61.9	36.6	51.5	119.0	504.1	562.8	111.5	467.6	520.5	91.6	53.0
81°	56.5	33.7	40.8	96.2	463.1	478.6	44.8	380.9	480.0	72.1	42.0
82°	50.6	30.4	32.2	71.3	422.5	396.5	32.1	291.9	440.3	53.5	32.2
83°	35.9	25.2	25.0	53.5	379.9	282.3	25.9	166.9	389.8	39.8	24.6
84°	25.5	20.8	20.8	39.0	329.6	144.2	19.0	60.3	337.7	28.9	20.3
85°	20.1	16.2	17.2	27.8	281.5	43.4	13.8	19.7	281.8	20.4	16.6
86°	14.9	12.4	14.1	18.2	228.1	15.9	8.2	12.2	231.1	13.6	13.6
87°	8.9	8.8	10.7	11.5	174.9	8.8	4.7	7.0	162.0	9.0	10.3
88°	4.4	4.9	6.4	5.9	92.2	4.1	2.6	3.3	68.0	5.7	6.5
89°	2.1	2.9	2.9	2.3	13.9	1.5	1.3	1.5	4.4	3.8	4.8



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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1.8	2.7	2.3	1.6	1.3	0.0	1.2	1.5	3.9	3.6	5.2
91°	2.1	3.1	2.7	1.5	1.4	0.0	1.5	1.6	4.4	3.9	5.5
92°	2.3	3.3	2.7	1.8	1.6	0.0	1.5	1.9	4.8	4.1	5.8
93°	2.7	3.8	3.2	1.9	1.9	0.0	1.8	2.1	5.2	4.5	6.3
94°	3.0	4.0	3.3	2.1	2.2	0.0	2.1	2.5	5.5	5.0	6.6
95°	3.4	4.4	3.7	2.2	2.6	0.9	2.3	2.9	6.0	5.3	7.1
96°	3.8	4.8	4.0	2.4	2.7	0.9	2.6	3.2	6.5	5.6	7.5
97°	4.2	5.2	4.3	2.7	2.9	1.0	2.8	3.7	7.1	6.1	7.9
98°	4.7	5.8	4.5	3.0	3.4	1.2	3.4	4.3	7.5	6.5	8.5
99°	5.2	6.2	4.8	3.4	3.7	1.2	3.9	4.8	8.1	6.9	8.8
100°	5.7	6.9	5.0	3.6	4.1	1.6	4.2	5.4	8.6	7.4	9.3
101°	6.1	7.3	5.5	4.0	4.3	1.9	4.8	5.9	9.2	7.8	9.6
102°	6.8	7.8	5.9	4.3	4.8	2.1	5.3	6.5	9.8	8.5	10.1
103°	7.4	8.3	6.1	4.6	5.2	2.5	5.9	7.3	10.5	8.8	10.7
104°	8.1	8.8	6.5	5.0	5.7	2.8	6.6	8.0	11.1	9.4	11.1
105°	8.8	9.2	6.9	5.3	6.1	3.2	7.3	8.6	11.6	9.8	11.5
106°	9.4	9.8	7.3	5.8	6.6	3.8	7.9	9.4	12.4	10.4	11.9
107°	9.9	10.3	7.7	6.1	7.1	4.2	8.8	10.2	12.9	10.9	12.4
108°	10.5	10.8	8.1	6.5	7.6	4.7	9.6	11.1	13.6	11.4	12.9
109°	11.2	11.3	8.6	7.0	8.2	5.2	10.3	11.8	14.3	12.0	13.3
110°	11.6	11.9	8.8	7.5	8.6	5.9	11.2	12.7	15.1	12.5	13.7
111°	12.4	12.4	9.3	7.9	9.3	6.5	12.0	13.6	15.5	13.0	14.1
112°	13.0	13.0	9.7	8.3	9.6	7.2	12.9	14.5	16.1	13.6	14.5
113°	13.7	13.6	10.1	8.8	10.3	7.8	13.8	15.1	16.7	14.0	15.1
114°	14.4	14.1	10.6	9.4	10.6	8.5	14.7	16.2	17.2	14.6	15.3
115°	14.9	14.6	10.8	9.8	11.0	9.3	15.6	17.1	17.7	15.2	15.8
116°	15.5	15.0	11.3	10.2	11.3	10.0	16.6	18.0	18.2	15.7	16.3
117°	16.1	15.6	11.7	10.7	12.0	10.7	17.4	18.7	18.7	16.3	16.8
118°	16.8	16.1	12.1	11.2	12.3	11.5	18.5	19.7	19.4	16.8	17.2
119°	17.2	16.6	12.5	11.6	12.8	12.2	19.4	20.3	19.8	17.4	17.7
120°	17.9	17.0	13.1	12.0	13.4	13.0	20.3	21.1	20.2	17.9	17.9
121°	18.4	17.4	13.5	12.7	13.7	13.7	21.2	21.8	20.7	18.3	18.3
122°	19.0	17.9	14.0	13.0	14.3	14.3	22.0	22.6	20.9	18.9	18.7
123°	19.4	18.4	14.3	13.6	14.8	15.1	22.9	23.3	21.5	19.4	19.1
124°	19.9	18.7	14.7	14.0	15.3	15.7	23.6	23.8	22.0	19.9	19.2
125°	20.3	19.2	15.1	14.5	15.7	16.2	24.4	24.5	22.4	20.3	19.9
126°	20.8	19.7	15.3	15.1	16.3	17.0	25.0	25.1	23.0	20.6	20.0
127°	21.3	20.1	15.8	15.5	16.9	17.5	25.5	25.5	23.3	21.1	20.5
128°	21.6	20.5	16.2	16.0	17.4	18.1	26.2	26.2	23.8	21.3	20.9
129°	22.1	20.8	16.4	16.4	17.9	18.5	26.7	26.6	24.4	21.6	21.2
130°	22.8	21.3	17.0	16.8	18.5	19.1	27.4	27.0	24.7	22.1	21.5
131°	23.3	21.6	17.2	17.2	19.2	19.6	27.9	27.4	25.0	22.6	21.7
132°	23.3	22.0	17.6	17.6	19.8	20.3	28.3	27.9	25.6	22.8	22.2
133°	23.7	22.3	18.2	17.9	20.3	20.8	28.8	28.3	26.0	23.1	22.3
134°	24.0	22.5	18.5	18.4	21.0	21.2	29.2	28.6	26.6	23.4	22.8



REPORT NUMBER: P1449821
 CATALOG NUMBER: TWC100_T2_60W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	24.3	23.0	18.8	18.7	21.6	21.8	29.7	28.7	26.8	23.7	23.1
136°	24.9	23.3	19.2	19.1	22.1	22.3	30.0	29.0	27.2	24.0	23.3
137°	25.0	23.3	19.5	19.5	22.9	22.9	30.2	29.4	27.5	24.3	23.3
138°	25.5	23.6	19.9	19.9	23.3	23.3	30.6	29.7	27.7	24.6	23.8
139°	25.7	23.9	20.2	20.3	23.7	23.8	30.5	29.9	27.9	24.9	24.1
140°	26.0	24.1	20.5	20.6	24.2	24.5	31.0	30.2	28.3	25.1	24.4
141°	26.2	24.5	20.8	20.9	24.6	25.0	31.2	30.4	28.4	25.3	24.6
142°	26.6	24.6	21.1	21.3	25.1	25.8	31.5	30.4	28.7	25.8	25.0
143°	26.7	24.8	21.7	21.7	25.5	26.2	31.5	30.8	29.0	26.1	25.1
144°	26.8	25.0	21.7	22.0	25.9	26.9	31.8	30.9	29.2	26.4	25.5
145°	26.9	25.4	22.1	22.1	26.3	27.3	31.7	31.0	29.2	26.6	25.7
146°	27.1	25.3	22.4	22.5	26.5	27.8	31.9	31.2	29.5	26.9	25.9
147°	27.2	25.6	22.8	22.9	26.8	28.3	32.0	31.2	29.6	27.1	26.2
148°	27.3	25.8	23.1	23.2	27.1	28.7	32.0	31.4	29.8	27.1	26.5
149°	27.5	25.9	23.4	23.4	27.2	29.0	32.1	31.5	29.8	27.6	26.8
150°	27.5	26.0	23.7	23.9	27.5	29.3	31.9	31.5	30.0	27.8	26.8
151°	27.8	26.3	23.9	24.0	27.7	29.8	32.0	31.4	30.0	28.0	27.1
152°	27.9	26.2	24.1	24.5	27.9	30.0	32.0	31.5	30.1	28.3	27.3
153°	27.9	26.5	24.5	24.5	28.0	30.3	31.9	31.5	30.3	28.6	27.5
154°	27.9	26.5	24.7	25.1	28.2	30.3	31.7	31.5	30.3	28.5	27.7
155°	28.0	26.8	25.1	25.1	28.4	30.5	31.7	31.5	30.3	28.6	27.9
156°	28.1	26.8	25.3	25.7	28.5	30.7	31.7	31.3	30.2	28.8	28.1
157°	28.1	27.0	25.5	25.8	28.7	30.5	31.4	31.5	30.3	29.0	28.2
158°	28.4	26.9	25.9	26.1	28.9	30.8	31.3	31.1	30.3	29.3	28.3
159°	28.3	27.2	26.1	26.4	28.9	30.8	31.2	31.3	30.4	29.4	28.6
160°	28.3	27.3	26.4	27.0	29.1	30.9	31.0	31.1	30.4	29.4	28.7
161°	28.4	27.5	26.6	26.9	29.2	30.9	31.0	31.2	30.4	29.6	28.8
162°	28.4	27.6	26.8	27.1	29.3	31.1	31.0	31.1	30.4	29.6	28.9
163°	28.5	27.7	27.1	27.5	29.6	31.1	30.9	30.9	30.4	29.9	29.1
164°	28.7	27.8	27.4	27.9	29.6	31.1	30.8	30.9	30.4	29.9	29.1
165°	28.7	28.0	27.4	27.9	29.7	31.1	30.5	30.8	30.4	30.0	29.2
166°	28.8	28.1	27.6	28.1	29.8	31.1	30.4	30.7	30.5	30.0	29.3
167°	28.8	28.3	27.9	28.3	30.0	31.1	30.7	30.8	30.5	30.3	29.6
168°	28.9	28.3	28.1	28.6	30.0	31.1	30.6	30.8	30.4	30.3	29.6
169°	29.0	28.6	28.3	28.7	30.1	31.1	30.4	30.7	30.5	30.4	29.7
170°	29.1	28.7	28.6	29.2	30.3	31.0	30.4	30.4	30.6	30.4	29.8
171°	29.2	28.7	28.6	29.3	30.4	31.2	30.6	30.7	30.3	30.6	29.9
172°	29.4	28.8	29.1	29.5	30.4	31.0	30.5	30.5	30.5	30.6	30.2
173°	29.6	29.0	29.0	29.7	30.4	31.0	30.6	30.4	30.5	30.8	30.1
174°	29.7	29.2	29.4	29.9	30.4	30.9	30.6	30.5	30.4	30.8	30.3
175°	29.9	29.4	29.6	30.1	30.4	30.9	30.6	30.4	30.5	30.8	30.4
176°	30.2	29.6	29.7	30.0	30.5	30.9	30.7	30.6	30.4	30.9	30.4
177°	30.3	29.7	29.7	30.4	30.4	31.0	30.7	30.2	30.2	30.8	30.5
178°	30.3	29.9	29.9	30.4	30.5	30.9	30.4	30.4	30.3	30.8	30.4
179°	30.4	30.0	30.3	30.6	30.6	30.8	30.6	30.3	30.4	30.7	30.7



REPORT NUMBER: P1449821
CATALOG NUMBER: TWC100_T2_60W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5



REPORT NUMBER: P1449821
CATALOG NUMBER: TWC100_T2_60W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	2839.0	2839.0
1°	2849.1	2849.2
2°	2862.9	2859.9
3°	2871.4	2874.4
4°	2879.7	2885.9
5°	2885.0	2895.4
6°	2892.4	2910.3
7°	2900.0	2921.4
8°	2907.3	2933.2
9°	2917.5	2945.0
10°	2926.0	2958.2
11°	2935.2	2972.4
12°	2945.8	2989.6
13°	2954.3	3005.4
14°	2965.7	3023.0
15°	2977.0	3041.5
16°	2993.0	3066.7
17°	3006.8	3086.5
18°	3021.2	3109.6
19°	3035.4	3130.9
20°	3052.2	3154.0
21°	3068.1	3177.2
22°	3084.7	3200.2
23°	3102.3	3230.8
24°	3118.4	3256.4
25°	3137.1	3281.2
26°	3154.1	3305.8
27°	3174.2	3330.2
28°	3191.9	3352.6
29°	3209.4	3376.8
30°	3224.7	3399.5
31°	3239.2	3420.5
32°	3255.6	3438.7
33°	3271.4	3454.5
34°	3284.9	3467.1
35°	3300.0	3480.1
36°	3309.7	3485.0
37°	3316.3	3484.5
38°	3320.5	3478.5
39°	3319.5	3460.9
40°	3314.1	3442.5
41°	3306.4	3417.9
42°	3291.6	3386.8
43°	3266.5	3345.4
44°	3238.9	3296.6



REPORT NUMBER: P1449821
CATALOG NUMBER: TWC100_T2_60W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	3204.1	3237.9
46°	3159.9	3161.5
47°	3109.1	3082.6
48°	3046.6	2992.4
49°	2973.9	2891.6
50°	2877.9	2767.9
51°	2779.9	2648.2
52°	2669.8	2517.0
53°	2548.4	2369.1
54°	2404.1	2192.4
55°	2256.2	2021.6
56°	2088.8	1845.9
57°	1909.2	1634.0
58°	1701.3	1417.2
59°	1505.2	1173.5
60°	1292.7	883.8
61°	1060.6	624.0
62°	785.7	416.0
63°	533.3	274.1
64°	328.0	189.5
65°	195.6	163.7
66°	129.0	152.6
67°	111.2	143.8
68°	101.1	135.0
69°	91.2	126.6
70°	82.9	119.7
71°	77.3	115.0
72°	72.9	108.6
73°	67.3	102.3
74°	61.1	93.8
75°	54.4	87.4
76°	48.9	80.4
77°	44.1	75.5
78°	40.0	70.6
79°	37.3	66.4
80°	34.6	61.9
81°	31.9	56.5
82°	28.3	50.6
83°	23.7	35.9
84°	19.9	25.5
85°	15.2	20.1
86°	12.4	14.9
87°	9.5	8.9
88°	6.6	4.4
89°	6.1	2.1



REPORT NUMBER: P1449821
CATALOG NUMBER: TWC100_T2_60W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	6.6	1.8
91°	7.1	2.1
92°	7.8	2.3
93°	8.2	2.7
94°	8.9	3.0
95°	9.4	3.4
96°	10.0	3.8
97°	10.7	4.2
98°	11.3	4.7
99°	12.0	5.2
100°	12.7	5.7
101°	13.2	6.1
102°	13.7	6.8
103°	14.2	7.4
104°	15.0	8.1
105°	15.5	8.8
106°	16.1	9.4
107°	16.7	9.9
108°	17.3	10.5
109°	17.8	11.2
110°	18.2	11.6
111°	18.9	12.4
112°	19.4	13.0
113°	20.0	13.7
114°	20.4	14.4
115°	20.8	14.9
116°	21.3	15.5
117°	21.8	16.1
118°	22.1	16.8
119°	22.4	17.2
120°	22.9	17.9
121°	23.3	18.4
122°	23.3	19.0
123°	23.6	19.4
124°	24.0	19.9
125°	24.2	20.3
126°	24.4	20.8
127°	24.7	21.3
128°	25.0	21.6
129°	25.0	22.1
130°	25.4	22.8
131°	25.4	23.3
132°	25.5	23.3
133°	25.7	23.7
134°	26.0	24.0



REPORT NUMBER: P1449821
CATALOG NUMBER: TWC100_T2_60W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	26.1	24.3
136°	26.2	24.9
137°	26.4	25.0
138°	26.6	25.5
139°	26.8	25.7
140°	26.6	26.0
141°	26.7	26.2
142°	26.9	26.6
143°	27.1	26.7
144°	27.1	26.8
145°	27.2	26.9
146°	27.3	27.1
147°	27.6	27.2
148°	27.5	27.3
149°	27.5	27.5
150°	27.6	27.5
151°	27.9	27.8
152°	27.9	27.9
153°	28.1	27.9
154°	28.0	27.9
155°	28.0	28.0
156°	28.2	28.1
157°	28.3	28.1
158°	28.3	28.4
159°	28.4	28.3
160°	28.4	28.3
161°	28.5	28.4
162°	28.6	28.4
163°	28.6	28.5
164°	28.7	28.7
165°	28.9	28.7
166°	29.0	28.8
167°	29.2	28.8
168°	29.2	28.9
169°	29.3	29.0
170°	29.4	29.1
171°	29.6	29.2
172°	29.6	29.4
173°	29.9	29.6
174°	30.0	29.7
175°	30.1	29.9
176°	30.2	30.2
177°	30.2	30.3
178°	30.5	30.3
179°	30.6	30.4

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P1449821
CATALOG NUMBER: TWC100_T2_60W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	30.5	30.5

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

Report Prepared for

Cooper Lighting Solutions

Lumark

Report Number: SP1-2601-659-1

Test Date: 02/12/2026

Luminaire Tested: MWP2460W34VDDKYYAD-T4-24W-3000K

Data in this report applies to families of products including ;MWP2460W34VDDKYYAD

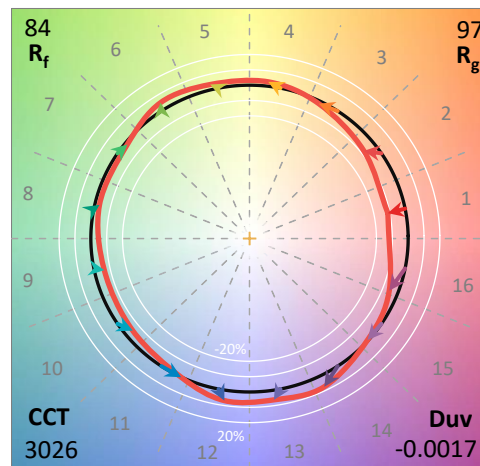
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2601-659-1
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 02/16/2026
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Lumark
 Catalog Number: **MWP2460W34VDDKYYAD-T4-24W-3000K**
 Description: Mester Wedge, at T4 beam setting, 24W output, 3000K

Spectral Parameters

CCT (K): 3026
 CIE u': 0.2503
 CIE v': 0.5184
 Duv: -0.0017
 CIE x: 0.4326
 CIE y: 0.3983
 CIE z: 0.1691
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 583
 Purity: 49.3886
 Rf: 84
 Rg: 97.4

CRI (Ra):	82.7		
R1:	81.4	R9:	7.5
R2:	90.7	R10:	78.8
R3:	96.3	R11:	80.8
R4:	81.1	R12:	70.7
R5:	81.6	R13:	83.7
R6:	88.6	R14:	98.6
R7:	82.6	R15:	74.2
R8:	59.3		



Test Conditions

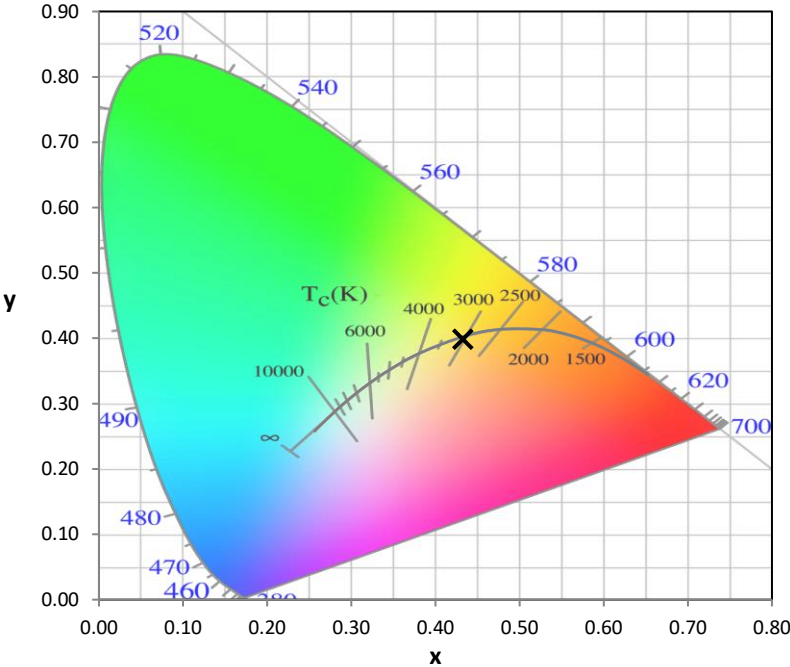
Stabilization Time: 64M
 Operation Time: 2H 4M
 Sphere Temperature (°C): 24.8

REPORT NUMBER: SP1-2601-659-1

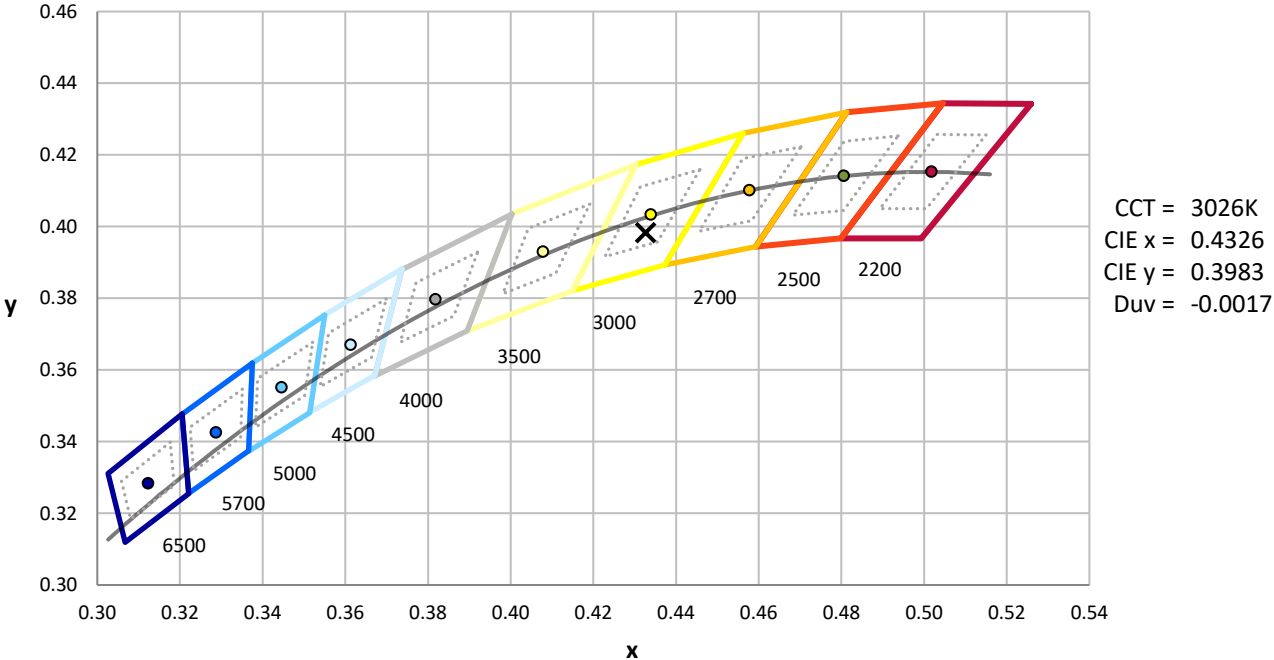
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	10/21/2025	10/21/2026
Sphere Thermometer	ONSET IN0085	10/21/2025	10/21/2026
Room Thermometer	ONSET IN0046	10/21/2025	10/21/2026

REPORT NUMBER: SP1-2601-659-1

CIE 1931 Chromaticity Diagram



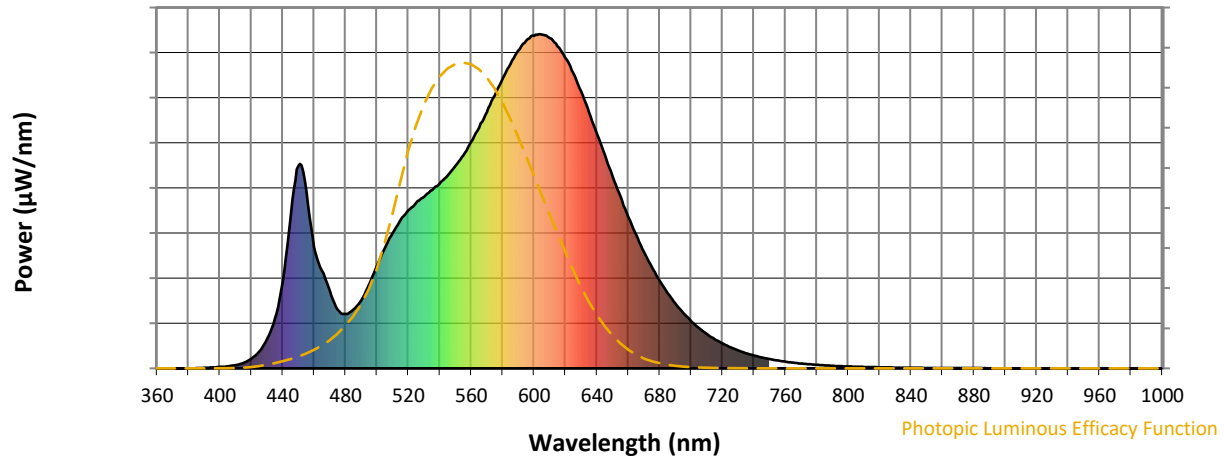
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2601-659-1

Photopic Flux vs. Wavelength

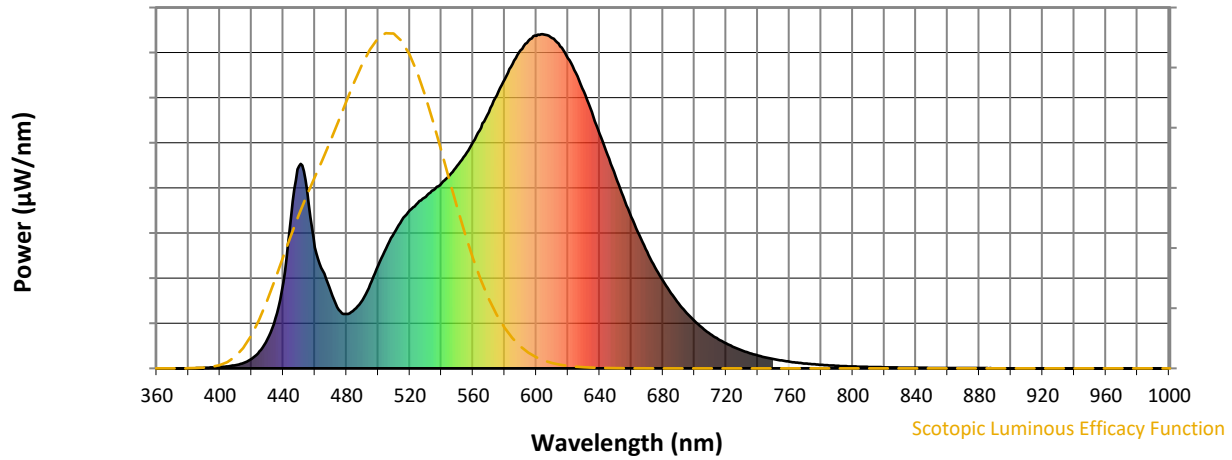


Photopic Lumens: NR

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	204	NR	620	928	NR	750	28	NR	880	1	NR
365	0	NR	495	251	NR	625	884	NR	755	24	NR	885	1	NR
370	0	NR	500	307	NR	630	828	NR	760	20	NR	890	0	NR
375	0	NR	505	360	NR	635	767	NR	765	17	NR	895	0	NR
380	0	NR	510	405	NR	640	702	NR	770	14	NR	900	0	NR
385	1	NR	515	444	NR	645	639	NR	775	12	NR	905	0	NR
390	2	NR	520	473	NR	650	574	NR	780	11	NR	910	0	NR
395	3	NR	525	495	NR	655	514	NR	785	9	NR	915	0	NR
400	5	NR	530	513	NR	660	453	NR	790	8	NR	920	0	NR
405	6	NR	535	534	NR	665	399	NR	795	7	NR	925	0	NR
410	10	NR	540	554	NR	670	348	NR	800	6	NR	930	0	NR
415	17	NR	545	577	NR	675	303	NR	805	5	NR	935	0	NR
420	29	NR	550	606	NR	680	263	NR	810	4	NR	940	0	NR
425	51	NR	555	638	NR	685	226	NR	815	4	NR	945	0	NR
430	87	NR	560	678	NR	690	194	NR	820	3	NR	950	0	NR
435	150	NR	565	720	NR	695	166	NR	825	3	NR	955	0	NR
440	258	NR	570	767	NR	700	142	NR	830	2	NR	960	0	NR
445	454	NR	575	817	NR	705	121	NR	835	2	NR	965	0	NR
450	605	NR	580	866	NR	710	103	NR	840	2	NR	970	0	NR
455	533	NR	585	911	NR	715	87	NR	845	2	NR	975	0	NR
460	362	NR	590	952	NR	720	74	NR	850	1	NR	980	0	NR
465	293	NR	595	981	NR	725	63	NR	855	1	NR	985	0	NR
470	231	NR	600	995	NR	730	54	NR	860	1	NR	990	0	NR
475	176	NR	605	999	NR	735	46	NR	865	1	NR	995	0	NR
480	163	NR	610	989	NR	740	38	NR	870	1	NR	1000	0	NR
485	176	NR	615	964	NR	745	33	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



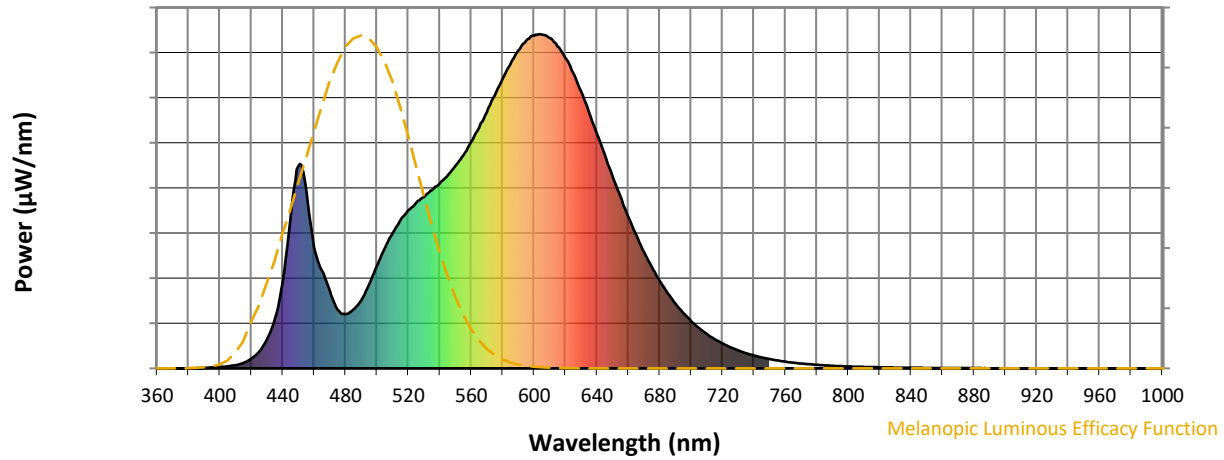
Scotopic Lumens: NR

S/P: 1.35

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	204	NR	620	928	NR	750	28	NR	880	1	NR
365	0	NR	495	251	NR	625	884	NR	755	24	NR	885	1	NR
370	0	NR	500	307	NR	630	828	NR	760	20	NR	890	0	NR
375	0	NR	505	360	NR	635	767	NR	765	17	NR	895	0	NR
380	0	NR	510	405	NR	640	702	NR	770	14	NR	900	0	NR
385	1	NR	515	444	NR	645	639	NR	775	12	NR	905	0	NR
390	2	NR	520	473	NR	650	574	NR	780	11	NR	910	0	NR
395	3	NR	525	495	NR	655	514	NR	785	9	NR	915	0	NR
400	5	NR	530	513	NR	660	453	NR	790	8	NR	920	0	NR
405	6	NR	535	534	NR	665	399	NR	795	7	NR	925	0	NR
410	10	NR	540	554	NR	670	348	NR	800	6	NR	930	0	NR
415	17	NR	545	577	NR	675	303	NR	805	5	NR	935	0	NR
420	29	NR	550	606	NR	680	263	NR	810	4	NR	940	0	NR
425	51	NR	555	638	NR	685	226	NR	815	4	NR	945	0	NR
430	87	NR	560	678	NR	690	194	NR	820	3	NR	950	0	NR
435	150	NR	565	720	NR	695	166	NR	825	3	NR	955	0	NR
440	258	NR	570	767	NR	700	142	NR	830	2	NR	960	0	NR
445	454	NR	575	817	NR	705	121	NR	835	2	NR	965	0	NR
450	605	NR	580	866	NR	710	103	NR	840	2	NR	970	0	NR
455	533	NR	585	911	NR	715	87	NR	845	2	NR	975	0	NR
460	362	NR	590	952	NR	720	74	NR	850	1	NR	980	0	NR
465	293	NR	595	981	NR	725	63	NR	855	1	NR	985	0	NR
470	231	NR	600	995	NR	730	54	NR	860	1	NR	990	0	NR
475	176	NR	605	999	NR	735	46	NR	865	1	NR	995	0	NR
480	163	NR	610	989	NR	740	38	NR	870	1	NR	1000	0	NR
485	176	NR	615	964	NR	745	33	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



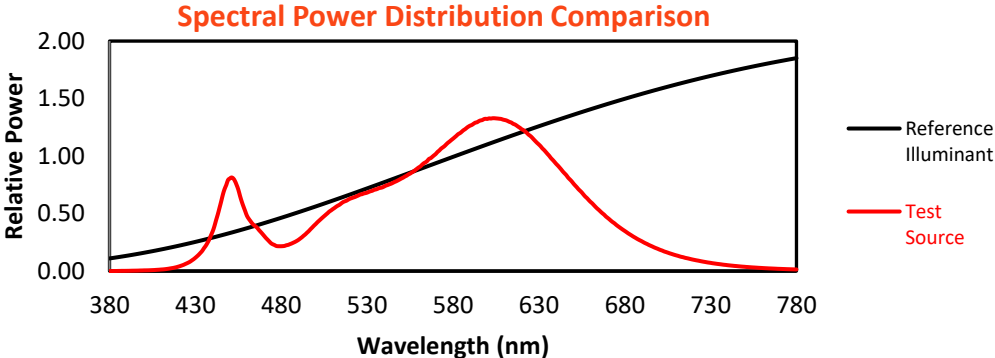
Melanopic Lumens: NR

M/P: 2.61

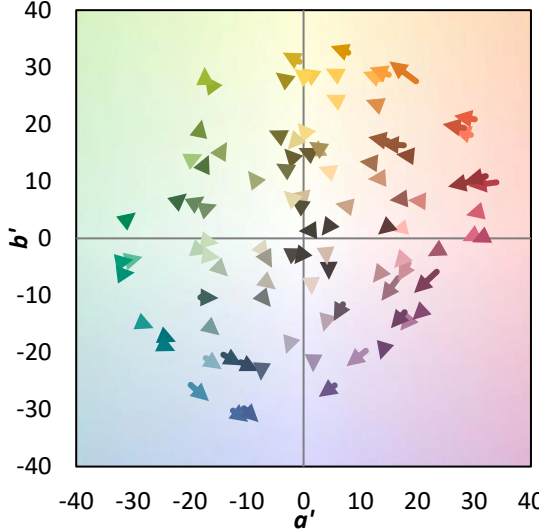
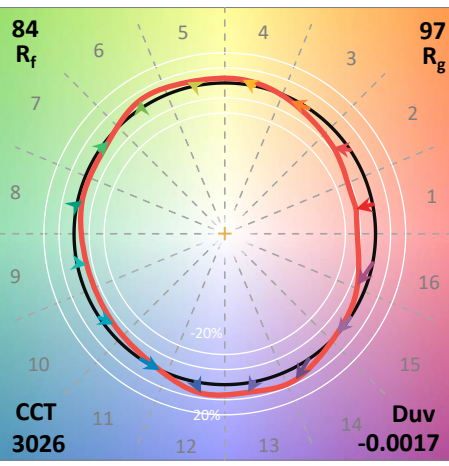
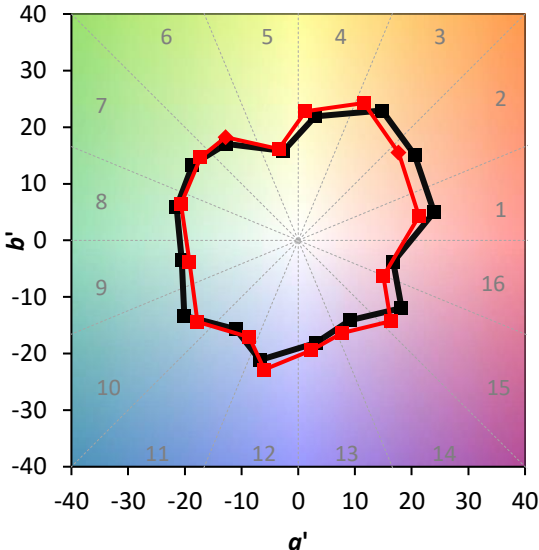
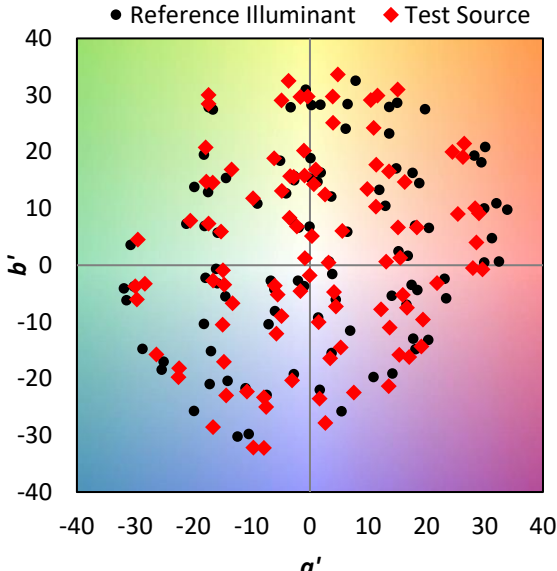
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	204	NR	620	928	NR	750	28	NR	880	1	NR
365	0	NR	495	251	NR	625	884	NR	755	24	NR	885	1	NR
370	0	NR	500	307	NR	630	828	NR	760	20	NR	890	0	NR
375	0	NR	505	360	NR	635	767	NR	765	17	NR	895	0	NR
380	0	NR	510	405	NR	640	702	NR	770	14	NR	900	0	NR
385	1	NR	515	444	NR	645	639	NR	775	12	NR	905	0	NR
390	2	NR	520	473	NR	650	574	NR	780	11	NR	910	0	NR
395	3	NR	525	495	NR	655	514	NR	785	9	NR	915	0	NR
400	5	NR	530	513	NR	660	453	NR	790	8	NR	920	0	NR
405	6	NR	535	534	NR	665	399	NR	795	7	NR	925	0	NR
410	10	NR	540	554	NR	670	348	NR	800	6	NR	930	0	NR
415	17	NR	545	577	NR	675	303	NR	805	5	NR	935	0	NR
420	29	NR	550	606	NR	680	263	NR	810	4	NR	940	0	NR
425	51	NR	555	638	NR	685	226	NR	815	4	NR	945	0	NR
430	87	NR	560	678	NR	690	194	NR	820	3	NR	950	0	NR
435	150	NR	565	720	NR	695	166	NR	825	3	NR	955	0	NR
440	258	NR	570	767	NR	700	142	NR	830	2	NR	960	0	NR
445	454	NR	575	817	NR	705	121	NR	835	2	NR	965	0	NR
450	605	NR	580	866	NR	710	103	NR	840	2	NR	970	0	NR
455	533	NR	585	911	NR	715	87	NR	845	2	NR	975	0	NR
460	362	NR	590	952	NR	720	74	NR	850	1	NR	980	0	NR
465	293	NR	595	981	NR	725	63	NR	855	1	NR	985	0	NR
470	231	NR	600	995	NR	730	54	NR	860	1	NR	990	0	NR
475	176	NR	605	999	NR	735	46	NR	865	1	NR	995	0	NR
480	163	NR	610	989	NR	740	38	NR	870	1	NR	1000	0	NR
485	176	NR	615	964	NR	745	33	NR	875	1	NR			

Summary

$R_f = 84$
 $R_g = 97.4$
 $CIE R_a = 82.7$
 $R_9 = 7.5$

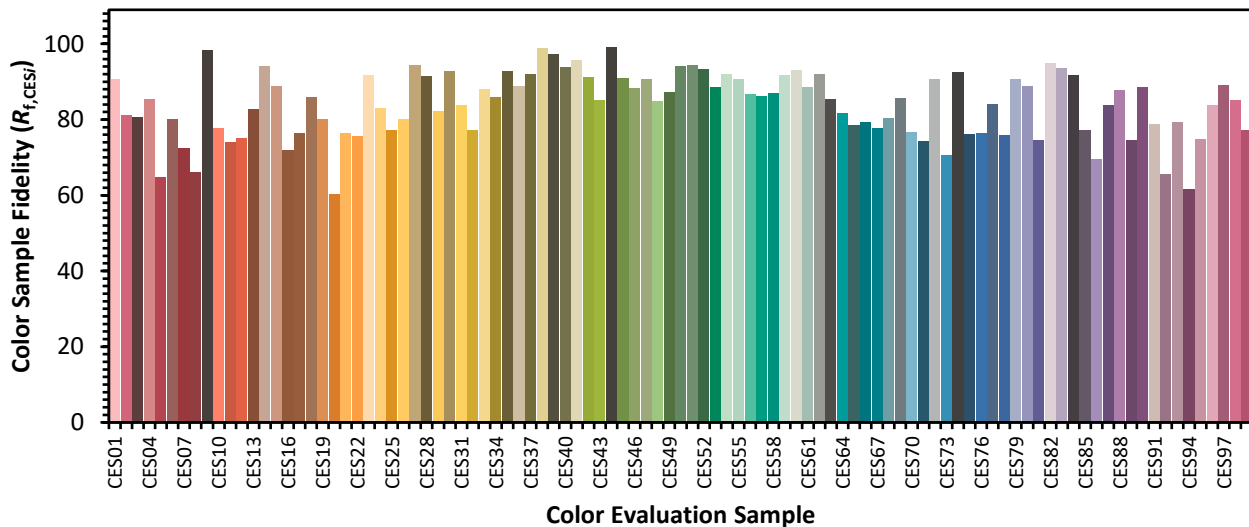


Color Vector Graphics

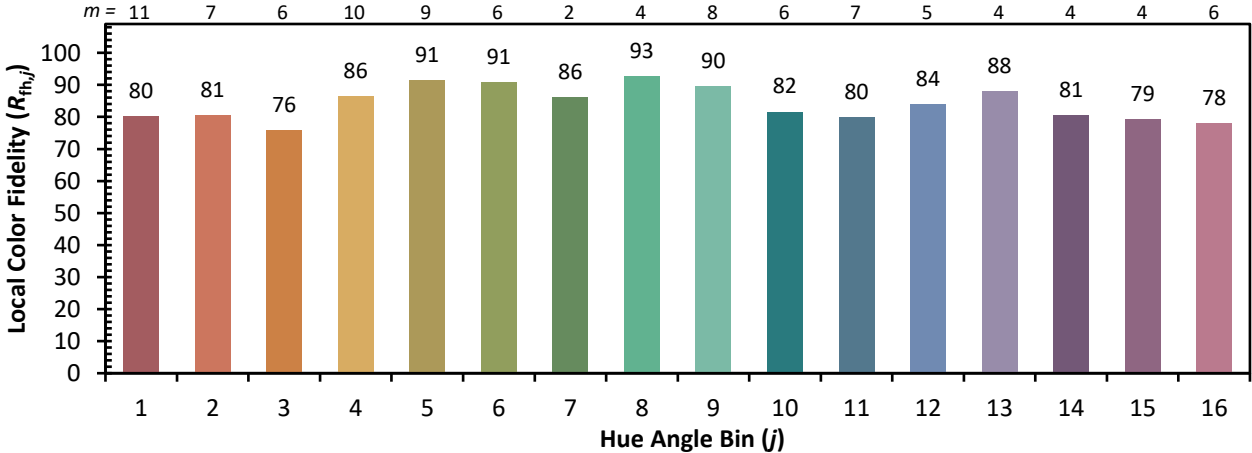
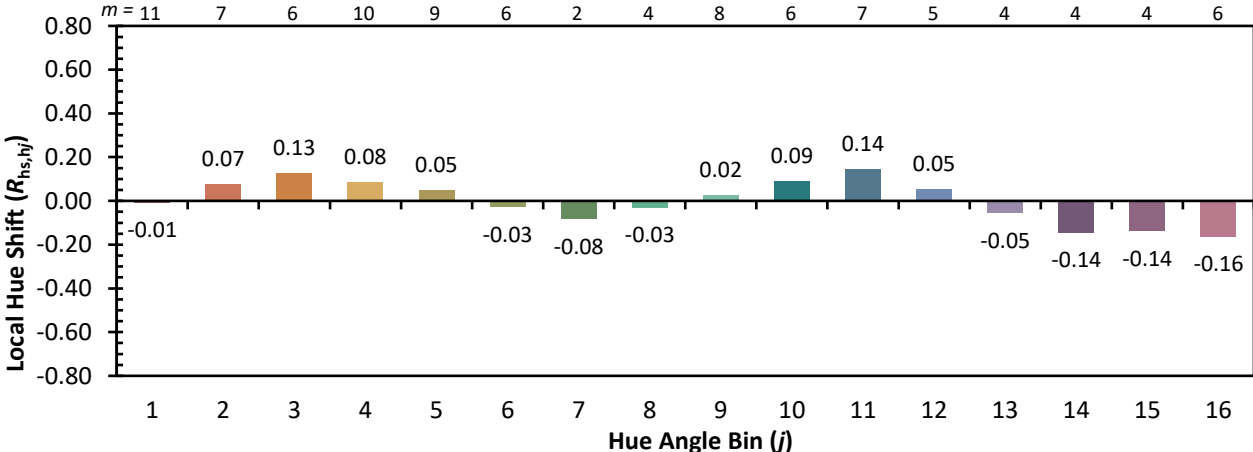
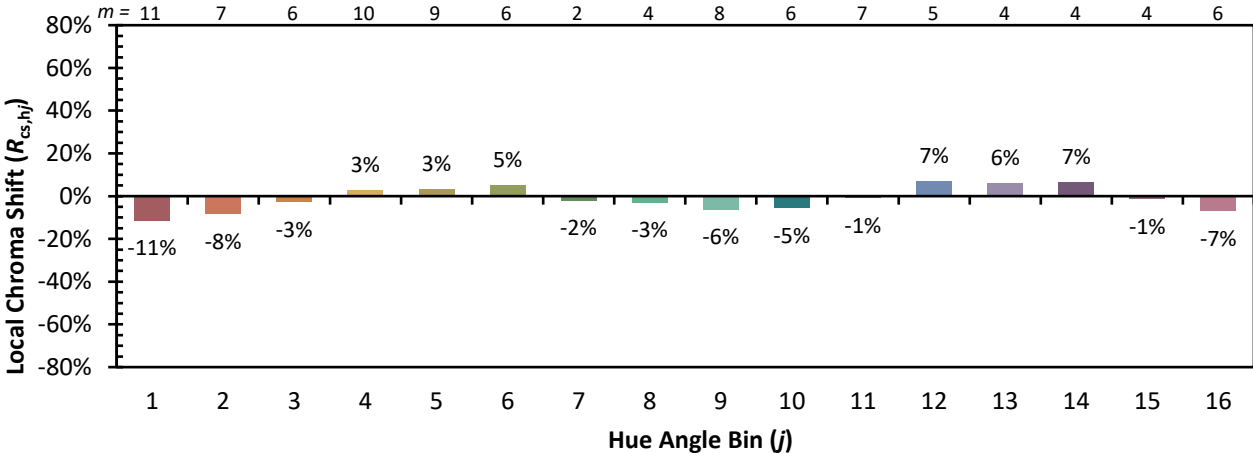


Individual Sample Fidelity Index ($R_{f,i}$)

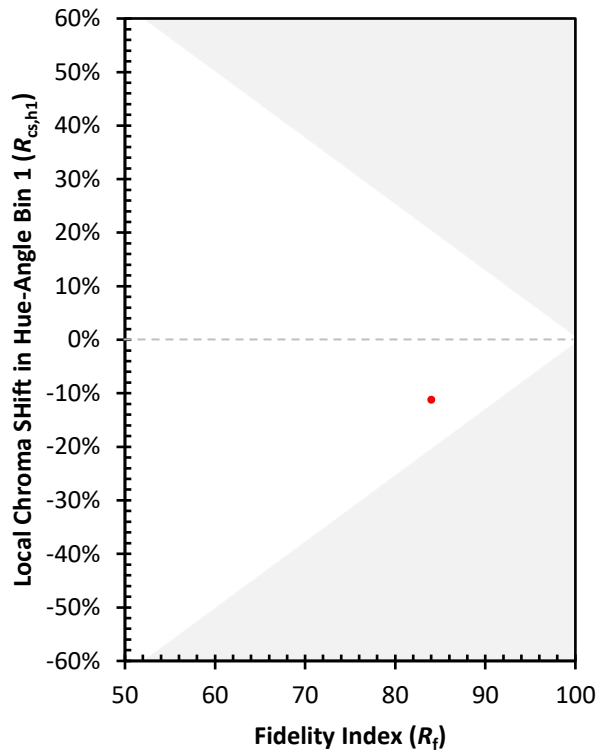
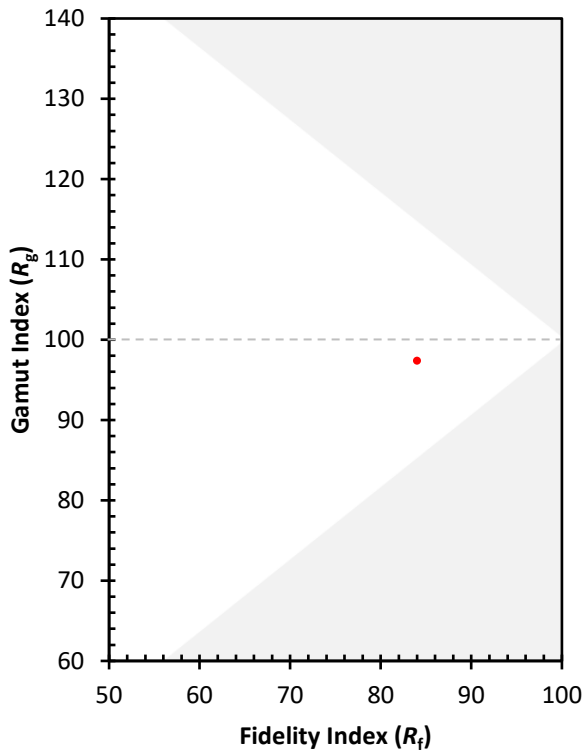
CES01 = 86	CES26 = 80	CES51 = 94	CES76 = 76
CES02 = 63	CES27 = 94	CES52 = 93	CES77 = 84
CES03 = 31	CES28 = 92	CES53 = 88	CES78 = 76
CES04 = 70	CES29 = 82	CES54 = 92	CES79 = 91
CES05 = 50	CES30 = 93	CES55 = 91	CES80 = 89
CES06 = 51	CES31 = 84	CES56 = 87	CES81 = 75
CES07 = 42	CES32 = 77	CES57 = 86	CES82 = 95
CES08 = 41	CES33 = 88	CES58 = 87	CES83 = 93
CES09 = 29	CES34 = 86	CES59 = 92	CES84 = 92
CES10 = 76	CES35 = 93	CES60 = 93	CES85 = 77
CES11 = 59	CES36 = 89	CES61 = 89	CES86 = 69
CES12 = 65	CES37 = 92	CES62 = 92	CES87 = 84
CES13 = 43	CES38 = 99	CES63 = 85	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 82	CES89 = 75
CES15 = 72	CES40 = 94	CES65 = 79	CES90 = 89
CES16 = 48	CES41 = 96	CES66 = 79	CES91 = 79
CES17 = 50	CES42 = 91	CES67 = 78	CES92 = 66
CES18 = 57	CES43 = 85	CES68 = 80	CES93 = 79
CES19 = 72	CES44 = 99	CES69 = 86	CES94 = 62
CES20 = 67	CES45 = 91	CES70 = 77	CES95 = 75
CES21 = 87	CES46 = 88	CES71 = 74	CES96 = 84
CES22 = 79	CES47 = 91	CES72 = 91	CES97 = 89
CES23 = 92	CES48 = 85	CES73 = 71	CES98 = 85
CES24 = 91	CES49 = 87	CES74 = 93	CES99 = 77
CES25 = 72	CES50 = 94	CES75 = 76	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)