

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: P1449823

Luminaire Tested: **TWC100_T2_60W_5000K**

Issue Date: 5/19/2026

Test Information

Test Method: LM-79-08
Report Number: P1449823
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_5000K
Description: Tapered Wall Cutoff Wall Mount Luminaire at, T2 distribution, 60W
5000K settings
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10393 lumens
Efficiency: N/A
Efficacy: 177.1 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

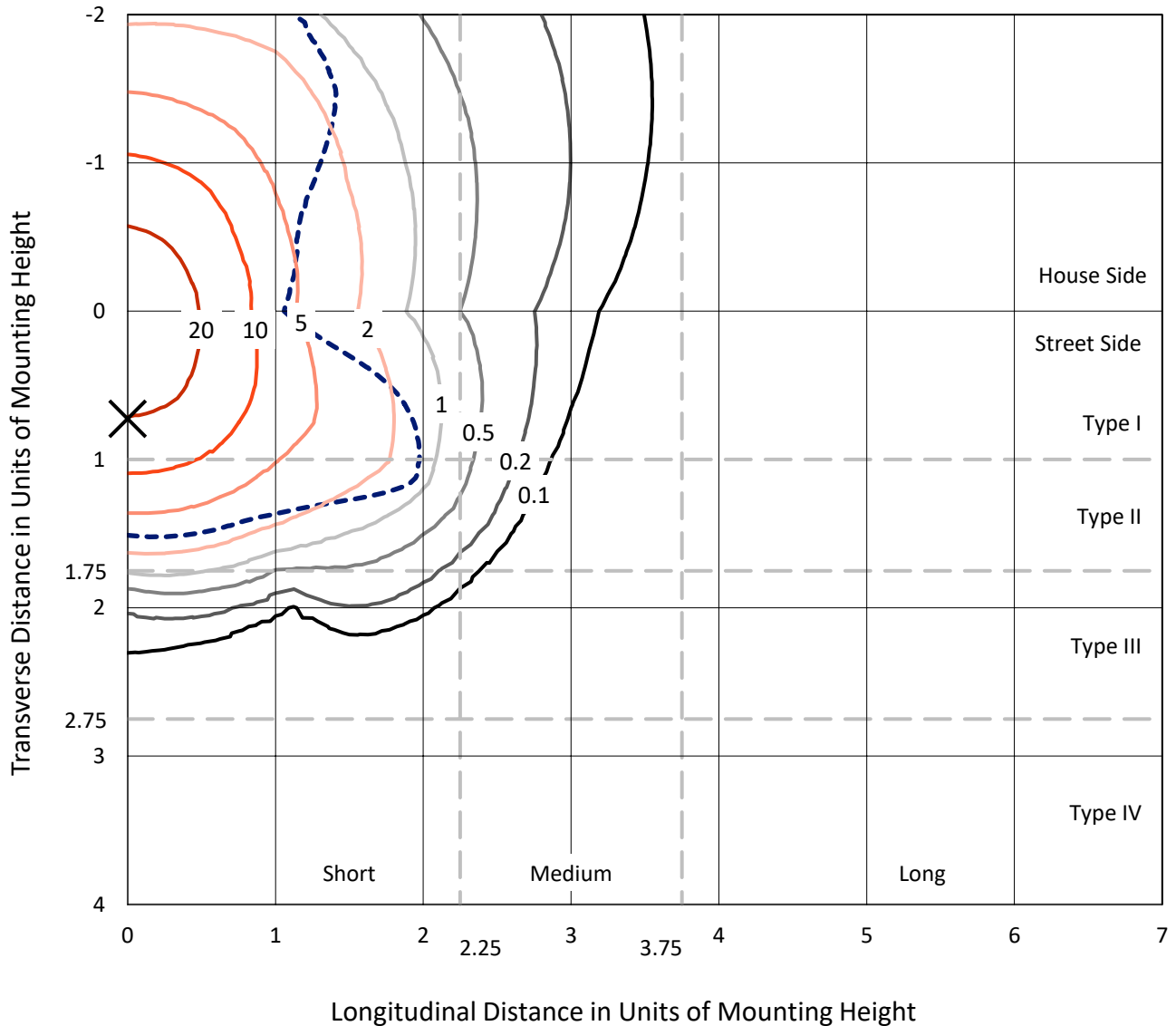
Input Watts (W): 58.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

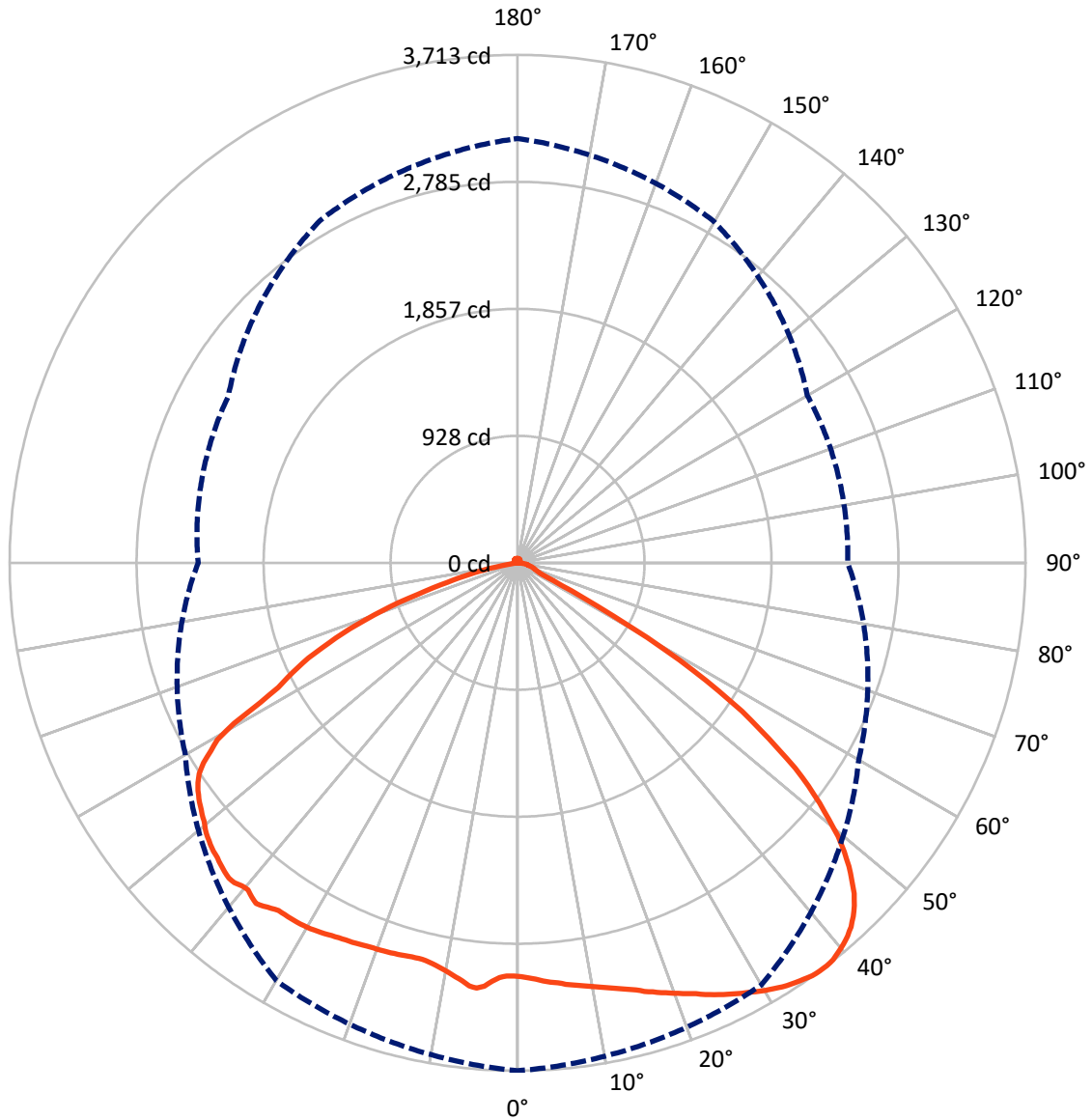
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30.4 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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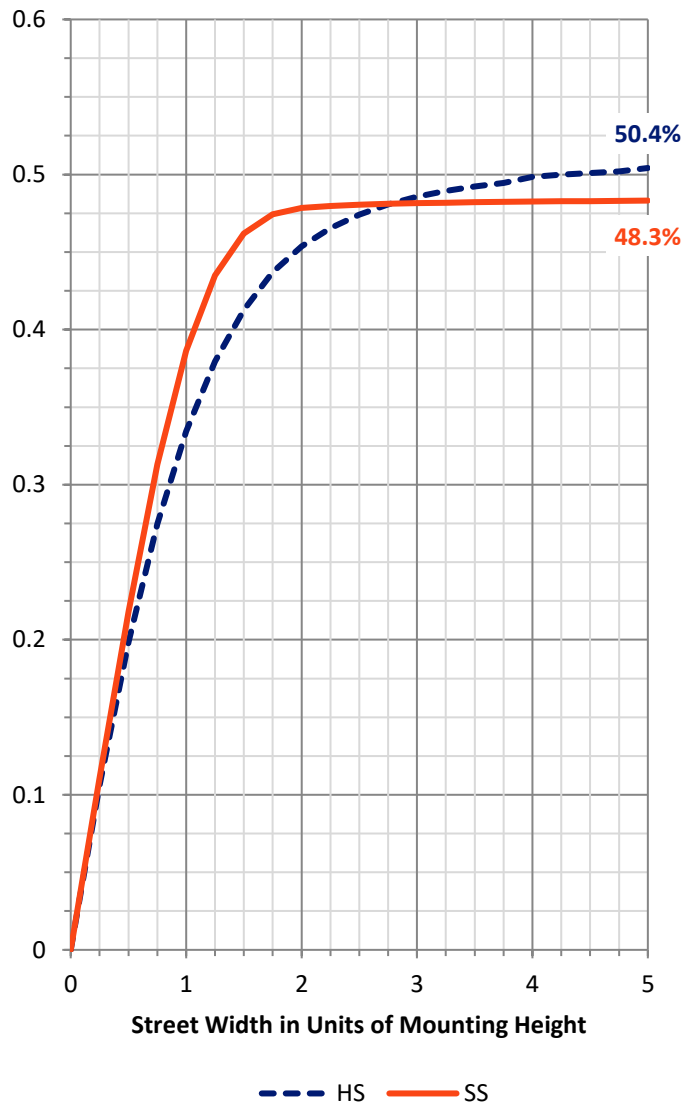
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5260.8	56.1	5316.8
	% Fixture	50.6	0.5	51.2
Street Side	Lumens	5020.1	56.1	5076.2
	% Fixture	48.3	0.5	48.8
Total	Lumens	10280.9	112.1	10393.0
	% Fixture	98.9	1.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.4	2.8
10°-20°	857.5	8.3
20°-30°	1384.5	13.3
30°-40°	1835.1	17.7
40°-50°	2101.2	20.2
50°-60°	1992.2	19.2
60°-70°	1247.1	12.0
70°-80°	475.1	4.6
80°-90°	96.7	0.9
90°-100°	4.9	0.0
100°-110°	9.8	0.1
110°-120°	15.2	0.1
120°-130°	18.8	0.2
130°-140°	19.6	0.2
140°-150°	17.9	0.2
150°-160°	14.0	0.1
160°-170°	8.9	0.1
170°-180°	3.1	0.0
0°-90°	10280.9	98.9
0°-180°	10393.0	100.0

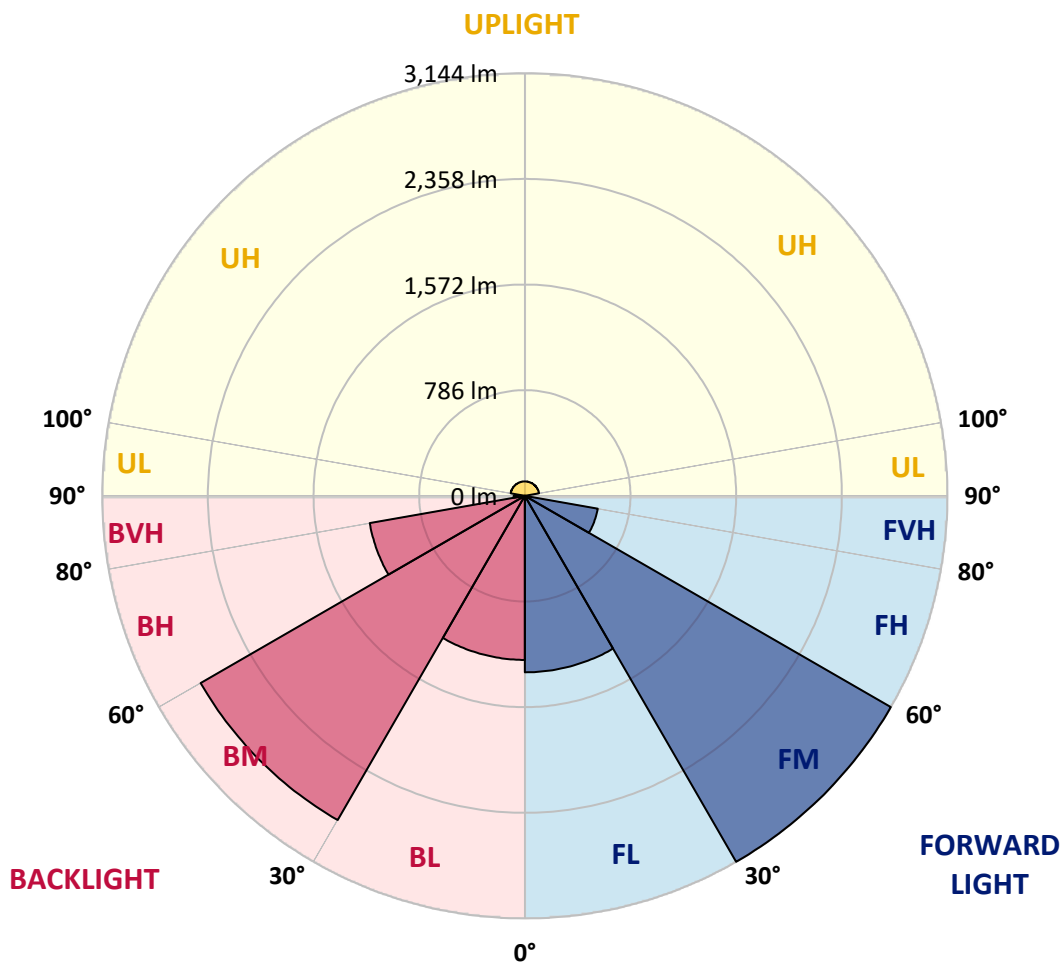


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1312.9	12.6			
FM	(30°-60°)	3143.6	30.2			
FH	(60°-80°)	550.7	5.3			G0/660
FVH	(80°-90°)	12.9	0.1			G1/100
BL	(0°-30°)	1220.6	11.7	B3/2500		
BM	(30°-60°)	2784.9	26.8	B3/5000		
BH	(60°-80°)	1171.5	11.3	B3/2500		G3/2500
BVH	(80°-90°)	83.8	0.8			G1/100
UL	(90°-100°)	4.9	0.0		U1/10	
UH	(100°-180°)	107.2	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°	3025.0	3025.0	3025.0	3025.0	3025.0	3025.0	3025.0	3025.0	3025.0	3025.0	3025.0
1°	3035.9	3034.6	3032.3	3023.9	3021.2	3016.6	3020.7	3018.2	3016.2	3022.2	3028.4
2°	3047.3	3045.0	3036.6	3027.1	3017.1	3008.5	3021.6	3013.8	3011.3	3019.0	3033.6
3°	3062.7	3057.1	3043.1	3025.7	3010.9	3007.2	3034.1	3020.2	3006.9	3017.7	3038.3
4°	3075.0	3068.3	3048.7	3022.6	3006.5	3012.9	3064.3	3036.0	3006.6	3013.2	3040.7
5°	3085.1	3076.9	3050.5	3018.6	3004.3	3029.4	3104.5	3072.6	3006.9	3006.5	3046.4
6°	3101.0	3084.7	3051.9	3007.2	3003.0	3066.2	3123.6	3103.6	3010.3	2998.9	3047.1
7°	3112.7	3093.8	3053.0	3001.5	3006.0	3097.4	3112.9	3115.8	3017.7	2990.9	3046.1
8°	3125.4	3102.6	3053.4	2994.6	3013.0	3109.7	3083.2	3105.2	3033.6	2982.4	3044.8
9°	3138.0	3115.2	3052.3	2988.3	3024.6	3094.4	3060.9	3070.3	3051.3	2972.8	3038.0
10°	3152.0	3124.1	3050.3	2979.0	3046.6	3065.4	3038.2	3046.5	3062.6	2957.2	3035.4
11°	3167.1	3133.6	3048.9	2967.8	3057.8	3040.8	3019.6	3023.1	3061.5	2944.4	3031.3
12°	3185.5	3144.9	3046.4	2954.4	3059.9	3018.1	3001.7	3003.5	3051.6	2932.1	3027.6
13°	3202.2	3153.7	3043.0	2941.2	3050.8	2997.8	2989.7	2981.5	3027.0	2918.4	3021.0
14°	3221.1	3165.6	3039.9	2928.4	3029.6	2976.7	2981.0	2961.9	2997.6	2906.7	3016.4
15°	3240.7	3178.5	3032.5	2909.9	2997.9	2957.3	2982.1	2950.7	2969.6	2891.0	3010.9
16°	3267.6	3192.6	3028.2	2895.2	2969.9	2944.3	2984.1	2944.3	2941.2	2874.1	3009.6
17°	3288.7	3212.5	3025.4	2878.9	2941.7	2937.7	2990.7	2939.7	2913.4	2857.2	3005.2
18°	3313.3	3227.4	3026.0	2861.7	2913.1	2932.6	2995.3	2936.3	2881.2	2835.3	3000.2
19°	3336.1	3243.8	3021.8	2846.8	2886.2	2929.4	2999.5	2933.7	2853.1	2817.6	2994.8
20°	3360.6	3262.5	3018.7	2828.8	2856.8	2920.7	3004.0	2928.1	2824.6	2800.5	2983.6
21°	3385.4	3280.0	3010.1	2812.4	2824.4	2916.5	3006.2	2925.7	2797.7	2784.3	2976.5
22°	3409.9	3299.0	3005.6	2794.4	2795.8	2914.2	3011.5	2923.2	2773.7	2768.4	2969.6
23°	3442.4	3318.0	3001.1	2772.3	2772.8	2914.4	3017.4	2921.4	2753.2	2754.3	2966.4
24°	3469.8	3336.6	2995.0	2756.0	2749.1	2913.1	3025.0	2922.1	2732.6	2740.7	2959.2
25°	3496.2	3356.5	2992.5	2741.6	2728.5	2910.6	3030.0	2921.2	2712.3	2730.8	2950.1
26°	3522.3	3376.2	2984.6	2731.1	2706.6	2908.9	3036.2	2919.6	2690.1	2721.5	2939.8
27°	3548.3	3402.4	2977.3	2720.3	2684.3	2904.4	3046.0	2916.1	2666.4	2708.6	2926.4
28°	3572.3	3422.2	2967.8	2709.6	2657.2	2901.1	3056.8	2912.9	2642.0	2683.7	2914.2
29°	3598.0	3442.2	2957.7	2695.1	2633.1	2897.8	3064.4	2909.3	2617.9	2660.8	2902.5
30°	3622.3	3459.9	2947.8	2673.5	2607.8	2893.9	3073.7	2909.0	2587.7	2631.0	2890.0
31°	3644.5	3475.5	2939.0	2647.5	2582.2	2890.8	3079.2	2904.4	2562.9	2589.7	2874.0
32°	3664.0	3494.5	2927.2	2616.8	2551.7	2887.1	3083.1	2903.6	2538.2	2540.8	2860.9
33°	3680.8	3512.8	2917.2	2575.4	2524.8	2885.1	3084.5	2901.9	2515.5	2489.6	2847.4
34°	3694.2	3531.3	2905.4	2516.7	2498.6	2882.7	3083.8	2900.3	2491.1	2442.6	2836.3
35°	3708.1	3550.1	2891.8	2465.1	2472.4	2883.1	3084.6	2897.2	2466.6	2394.9	2821.4
36°	3713.3	3563.2	2879.8	2412.8	2446.5	2877.5	3101.8	2888.8	2440.9	2335.2	2804.9
37°	3712.8	3573.7	2867.3	2359.4	2421.0	2869.2	3122.2	2881.1	2410.2	2283.3	2788.9
38°	3706.3	3580.9	2853.7	2305.6	2394.1	2859.4	3139.5	2879.8	2383.5	2230.5	2766.4
39°	3687.7	3585.0	2840.8	2251.5	2366.9	2853.5	3122.1	2885.9	2354.1	2176.5	2753.1
40°	3668.0	3583.3	2830.8	2197.9	2332.2	2862.7	3097.9	2898.5	2322.2	2120.2	2739.8
41°	3641.8	3576.5	2820.2	2145.3	2302.8	2875.2	3105.3	2888.1	2290.0	2070.9	2728.7
42°	3608.7	3564.2	2813.5	2086.1	2271.3	2866.0	3123.3	2851.2	2259.6	2023.6	2721.9
43°	3564.6	3540.2	2808.2	2035.7	2239.0	2829.0	3125.7	2843.7	2225.9	1973.9	2713.2
44°	3512.5	3512.9	2804.3	1987.6	2202.2	2820.7	3113.4	2851.3	2189.0	1925.6	2706.2



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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	3450.1	3478.3	2803.6	1939.0	2165.8	2829.1	3095.1	2849.2	2150.9	1876.7	2702.0
46°	3368.6	3434.2	2804.2	1887.3	2123.8	2827.5	3077.1	2832.8	2120.3	1824.6	2700.2
47°	3284.5	3381.7	2804.7	1835.1	2089.0	2812.6	3063.9	2816.0	2102.7	1765.0	2698.1
48°	3188.4	3316.5	2807.4	1781.5	2070.3	2795.6	3045.7	2799.3	2081.5	1712.3	2696.2
49°	3081.0	3240.7	2809.8	1727.2	2051.0	2778.4	3025.7	2782.5	2016.3	1659.3	2697.6
50°	2949.2	3154.4	2812.6	1668.2	1996.8	2761.7	3002.1	2758.9	1969.9	1605.6	2694.6
51°	2821.7	3040.1	2816.7	1614.8	1938.5	2738.7	2970.3	2733.1	1943.8	1551.2	2695.7
52°	2681.9	2927.0	2818.4	1559.4	1912.7	2714.8	2946.9	2707.4	1908.9	1494.5	2697.5
53°	2524.3	2801.2	2820.3	1498.2	1880.3	2688.4	2922.8	2679.9	1872.4	1439.9	2699.2
54°	2336.0	2652.5	2819.6	1442.9	1842.5	2660.5	2897.4	2652.8	1832.8	1384.4	2702.5
55°	2154.0	2502.7	2818.3	1386.9	1800.6	2634.0	2870.1	2628.4	1792.3	1327.3	2701.5
56°	1966.8	2332.8	2814.3	1331.0	1758.9	2610.1	2835.1	2604.7	1751.3	1261.4	2697.8
57°	1741.1	2126.7	2803.5	1269.9	1713.9	2583.4	2790.7	2581.2	1700.4	1202.7	2690.3
58°	1510.0	1925.7	2787.7	1211.0	1660.6	2559.7	2723.1	2548.1	1651.8	1144.7	2673.9
59°	1250.4	1720.3	2757.9	1152.3	1609.8	2533.1	2629.6	2515.5	1604.2	1080.2	2652.7
60°	941.7	1505.0	2719.9	1086.3	1561.0	2501.2	2546.6	2476.9	1559.0	1021.7	2620.8
61°	664.8	1243.8	2665.4	1029.5	1508.1	2460.6	2381.1	2418.4	1513.0	963.0	2576.2
62°	443.3	982.0	2591.6	972.5	1463.7	2406.3	2137.4	2333.2	1472.9	903.8	2505.2
63°	292.1	702.1	2474.3	913.7	1418.4	2334.8	1972.8	2256.7	1432.1	845.8	2411.2
64°	201.9	449.4	2330.4	849.9	1374.2	2253.8	1878.3	2091.6	1392.3	799.2	2280.6
65°	174.4	257.1	2146.1	799.7	1329.5	2066.6	1783.9	1911.5	1351.2	739.9	2103.0
66°	162.6	162.2	1917.9	746.6	1287.8	1896.5	1682.0	1812.9	1311.7	683.5	1851.8
67°	153.3	127.5	1621.8	675.9	1245.6	1812.3	1555.7	1746.1	1268.8	629.8	1575.4
68°	143.8	114.7	1312.4	614.8	1201.1	1740.7	1438.4	1680.4	1218.1	570.4	1272.3
69°	134.8	105.3	981.5	557.7	1149.6	1676.1	1317.7	1594.0	1167.4	514.7	907.3
70°	127.5	95.9	660.0	505.0	1100.3	1599.7	1179.0	1512.0	1114.2	461.2	601.4
71°	122.5	88.4	414.9	448.5	1046.6	1520.5	1050.1	1431.8	1055.0	405.8	368.3
72°	115.7	83.1	232.8	399.0	983.1	1436.8	915.4	1348.8	966.3	357.6	212.9
73°	109.0	78.1	134.7	352.6	897.5	1355.1	765.8	1253.6	885.5	312.7	125.8
74°	99.9	71.8	103.3	310.4	816.0	1269.3	641.9	1160.2	836.7	268.4	102.8
75°	93.1	64.4	88.5	267.3	768.0	1180.5	532.3	1050.7	785.7	232.7	89.0
76°	85.7	56.7	79.1	231.7	719.5	1066.2	438.5	924.5	734.8	200.1	80.4
77°	80.5	51.3	73.5	201.7	669.6	945.1	353.2	792.7	688.0	171.2	74.8
78°	75.2	46.4	70.0	174.7	625.3	822.2	285.2	682.7	644.3	142.8	72.7
79°	70.7	42.7	64.8	148.9	583.8	707.8	213.8	586.6	598.1	119.5	68.1
80°	66.0	39.0	54.9	126.8	537.1	599.7	118.8	498.2	554.6	97.6	56.5
81°	60.2	35.9	43.5	102.5	493.4	509.9	47.8	405.9	511.4	76.8	44.7
82°	53.9	32.4	34.3	76.0	450.1	422.5	34.2	311.0	469.2	57.0	34.3
83°	38.2	26.8	26.7	57.0	404.8	300.8	27.6	177.8	415.3	42.4	26.2
84°	27.2	22.1	22.1	41.6	351.2	153.7	20.2	64.3	359.9	30.8	21.6
85°	21.4	17.3	18.3	29.6	300.0	46.2	14.7	21.0	300.2	21.8	17.6
86°	15.9	13.2	15.1	19.4	243.0	16.9	8.8	13.0	246.3	14.5	14.5
87°	9.5	9.4	11.4	12.2	186.4	9.4	5.0	7.5	172.6	9.6	11.0
88°	4.6	5.3	6.8	6.3	98.3	4.4	2.8	3.5	72.5	6.0	7.0
89°	2.2	3.1	3.1	2.4	14.8	1.6	1.4	1.6	4.6	4.0	5.2



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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1.9	2.8	2.5	1.7	1.4	0.0	1.3	1.6	4.1	3.8	5.5
91°	2.2	3.3	2.8	1.6	1.5	0.0	1.6	1.7	4.6	4.1	5.8
92°	2.4	3.5	2.9	1.9	1.7	0.0	1.6	2.0	5.1	4.4	6.2
93°	2.9	4.0	3.4	2.0	2.0	0.0	1.9	2.2	5.5	4.8	6.7
94°	3.2	4.3	3.5	2.2	2.3	0.0	2.2	2.7	5.8	5.3	7.1
95°	3.6	4.7	4.0	2.3	2.8	0.9	2.5	3.1	6.4	5.7	7.6
96°	4.0	5.2	4.2	2.6	2.9	0.9	2.8	3.4	7.0	5.9	8.0
97°	4.5	5.6	4.6	2.8	3.1	1.0	3.0	4.0	7.6	6.5	8.4
98°	5.0	6.2	4.8	3.2	3.6	1.3	3.6	4.6	8.0	6.9	9.0
99°	5.5	6.6	5.2	3.6	4.0	1.3	4.1	5.1	8.6	7.3	9.4
100°	6.0	7.3	5.3	3.9	4.4	1.7	4.5	5.8	9.2	7.9	9.9
101°	6.5	7.8	5.8	4.2	4.6	2.1	5.2	6.3	9.8	8.3	10.2
102°	7.2	8.3	6.3	4.6	5.1	2.2	5.7	6.9	10.4	9.0	10.8
103°	7.9	8.9	6.5	4.9	5.5	2.7	6.3	7.8	11.2	9.4	11.4
104°	8.6	9.4	6.9	5.3	6.1	3.0	7.1	8.5	11.8	10.0	11.8
105°	9.4	9.8	7.3	5.7	6.5	3.4	7.7	9.2	12.4	10.4	12.2
106°	10.0	10.4	7.7	6.2	7.1	4.0	8.4	10.1	13.2	11.1	12.7
107°	10.5	11.0	8.2	6.5	7.6	4.5	9.4	10.8	13.8	11.6	13.2
108°	11.2	11.5	8.6	7.0	8.1	5.0	10.2	11.9	14.5	12.1	13.8
109°	12.0	12.0	9.1	7.5	8.8	5.6	10.9	12.6	15.2	12.7	14.2
110°	12.4	12.7	9.4	8.0	9.2	6.3	12.0	13.5	16.1	13.3	14.6
111°	13.2	13.2	9.9	8.4	9.9	6.9	12.8	14.5	16.5	13.9	15.1
112°	13.9	13.9	10.3	8.9	10.2	7.7	13.8	15.4	17.2	14.5	15.5
113°	14.6	14.5	10.8	9.4	10.9	8.3	14.7	16.1	17.8	15.0	16.1
114°	15.3	15.1	11.3	10.0	11.3	9.0	15.7	17.3	18.3	15.6	16.4
115°	15.9	15.6	11.5	10.4	11.7	9.9	16.6	18.2	18.8	16.2	16.9
116°	16.5	16.0	12.0	10.8	12.0	10.7	17.6	19.2	19.4	16.8	17.4
117°	17.2	16.6	12.5	11.4	12.8	11.4	18.5	20.0	20.0	17.4	17.9
118°	17.9	17.2	12.9	12.0	13.1	12.2	19.7	21.0	20.7	17.9	18.3
119°	18.3	17.7	13.3	12.4	13.7	13.0	20.7	21.7	21.1	18.6	18.8
120°	19.1	18.2	13.9	12.8	14.3	13.9	21.6	22.5	21.5	19.1	19.1
121°	19.6	18.6	14.4	13.5	14.6	14.6	22.6	23.2	22.0	19.5	19.5
122°	20.2	19.1	14.9	13.9	15.2	15.2	23.5	24.1	22.3	20.1	19.9
123°	20.7	19.6	15.2	14.5	15.7	16.1	24.4	24.9	22.9	20.7	20.3
124°	21.2	20.0	15.7	14.9	16.3	16.7	25.1	25.4	23.4	21.2	20.5
125°	21.7	20.5	16.1	15.4	16.7	17.3	26.0	26.2	23.9	21.6	21.2
126°	22.2	21.0	16.4	16.1	17.4	18.1	26.6	26.8	24.5	21.9	21.3
127°	22.7	21.4	16.9	16.5	18.0	18.7	27.2	27.2	24.8	22.5	21.9
128°	23.0	21.9	17.3	17.0	18.5	19.3	28.0	27.9	25.4	22.7	22.3
129°	23.6	22.2	17.5	17.5	19.1	19.7	28.5	28.4	26.0	23.1	22.5
130°	24.3	22.7	18.2	17.9	19.7	20.4	29.2	28.7	26.3	23.6	22.9
131°	24.9	23.0	18.3	18.3	20.5	20.9	29.7	29.2	26.7	24.1	23.1
132°	24.9	23.4	18.8	18.8	21.1	21.6	30.2	29.7	27.3	24.3	23.7
133°	25.3	23.8	19.4	19.1	21.6	22.1	30.7	30.1	27.7	24.6	23.8
134°	25.6	24.0	19.7	19.6	22.4	22.5	31.2	30.5	28.3	25.0	24.3



REPORT NUMBER: P1449823
 CATALOG NUMBER: TWC100_T2_60W_5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	25.9	24.5	20.1	19.9	23.0	23.2	31.7	30.6	28.6	25.2	24.6
136°	26.5	24.9	20.5	20.4	23.6	23.8	31.9	30.9	29.0	25.6	24.9
137°	26.7	24.8	20.8	20.7	24.4	24.4	32.2	31.3	29.3	25.9	24.9
138°	27.2	25.1	21.3	21.3	24.8	24.9	32.6	31.7	29.5	26.2	25.4
139°	27.4	25.5	21.5	21.6	25.3	25.4	32.5	31.8	29.8	26.5	25.6
140°	27.7	25.7	21.9	21.9	25.8	26.1	33.0	32.2	30.1	26.8	26.0
141°	27.9	26.1	22.2	22.3	26.2	26.7	33.2	32.4	30.3	26.9	26.2
142°	28.4	26.2	22.5	22.7	26.8	27.5	33.6	32.4	30.6	27.5	26.7
143°	28.5	26.4	23.1	23.1	27.2	27.9	33.6	32.8	30.9	27.8	26.8
144°	28.6	26.7	23.1	23.5	27.6	28.7	33.9	33.0	31.1	28.1	27.2
145°	28.7	27.0	23.6	23.6	28.1	29.1	33.8	33.0	31.2	28.3	27.4
146°	28.9	26.9	23.9	24.0	28.2	29.6	34.0	33.2	31.4	28.7	27.6
147°	29.0	27.3	24.3	24.4	28.6	30.1	34.1	33.2	31.5	28.9	27.9
148°	29.1	27.5	24.6	24.7	28.8	30.5	34.1	33.5	31.8	28.9	28.2
149°	29.3	27.6	25.0	25.0	29.0	30.9	34.2	33.6	31.8	29.4	28.6
150°	29.3	27.7	25.2	25.5	29.3	31.2	34.0	33.6	32.0	29.6	28.6
151°	29.6	28.1	25.5	25.6	29.5	31.8	34.1	33.5	31.9	29.9	28.9
152°	29.7	28.0	25.7	26.1	29.7	32.0	34.1	33.6	32.1	30.1	29.1
153°	29.8	28.2	26.2	26.2	29.9	32.3	34.0	33.6	32.3	30.5	29.3
154°	29.8	28.2	26.3	26.8	30.0	32.3	33.8	33.6	32.3	30.4	29.5
155°	29.9	28.6	26.8	26.8	30.3	32.5	33.8	33.6	32.3	30.5	29.8
156°	29.9	28.6	26.9	27.4	30.4	32.7	33.7	33.4	32.2	30.7	29.9
157°	29.9	28.7	27.2	27.5	30.5	32.5	33.5	33.6	32.3	30.9	30.0
158°	30.3	28.7	27.6	27.8	30.8	32.9	33.4	33.1	32.3	31.2	30.2
159°	30.1	29.0	27.8	28.1	30.8	32.9	33.2	33.3	32.4	31.3	30.5
160°	30.2	29.1	28.1	28.7	31.0	33.0	33.0	33.1	32.4	31.3	30.6
161°	30.3	29.3	28.3	28.7	31.1	33.0	33.0	33.2	32.4	31.6	30.7
162°	30.3	29.4	28.6	28.9	31.2	33.1	33.0	33.1	32.4	31.6	30.8
163°	30.4	29.5	28.8	29.3	31.5	33.1	33.0	33.0	32.4	31.8	31.0
164°	30.5	29.6	29.2	29.7	31.6	33.1	32.8	33.0	32.4	31.8	31.0
165°	30.6	29.9	29.2	29.8	31.7	33.1	32.5	32.9	32.4	31.9	31.2
166°	30.7	29.9	29.4	29.9	31.8	33.1	32.4	32.7	32.5	31.9	31.2
167°	30.7	30.1	29.7	30.2	31.9	33.1	32.7	32.9	32.5	32.3	31.5
168°	30.8	30.1	29.9	30.5	31.9	33.1	32.6	32.9	32.4	32.3	31.6
169°	30.9	30.5	30.1	30.6	32.1	33.1	32.4	32.7	32.5	32.4	31.7
170°	31.0	30.5	30.5	31.1	32.3	33.0	32.4	32.4	32.6	32.4	31.8
171°	31.2	30.6	30.5	31.2	32.4	33.2	32.6	32.7	32.3	32.6	31.8
172°	31.3	30.7	31.0	31.4	32.4	33.0	32.5	32.5	32.5	32.6	32.2
173°	31.5	30.9	30.9	31.7	32.4	33.0	32.6	32.4	32.5	32.8	32.1
174°	31.7	31.1	31.3	31.8	32.4	33.0	32.6	32.5	32.4	32.9	32.3
175°	31.8	31.3	31.5	32.1	32.4	33.0	32.6	32.4	32.5	32.8	32.4
176°	32.2	31.5	31.7	32.0	32.5	33.0	32.7	32.6	32.4	33.0	32.4
177°	32.3	31.7	31.7	32.4	32.4	33.0	32.7	32.2	32.2	32.9	32.5
178°	32.3	31.8	31.8	32.4	32.5	33.0	32.4	32.4	32.3	32.9	32.4
179°	32.4	32.0	32.3	32.6	32.6	32.9	32.6	32.3	32.4	32.7	32.7



REPORT NUMBER: P1449823
CATALOG NUMBER: TWC100_T2_60W_5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5



REPORT NUMBER: P1449823
CATALOG NUMBER: TWC100_T2_60W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	3025.0	3025.0
1°	3035.7	3035.9
2°	3050.4	3047.3
3°	3059.5	3062.7
4°	3068.3	3075.0
5°	3074.0	3085.1
6°	3081.9	3101.0
7°	3090.0	3112.7
8°	3097.8	3125.4
9°	3108.6	3138.0
10°	3117.7	3152.0
11°	3127.5	3167.1
12°	3138.7	3185.5
13°	3147.9	3202.2
14°	3160.0	3221.1
15°	3172.0	3240.7
16°	3189.1	3267.6
17°	3203.8	3288.7
18°	3219.1	3313.3
19°	3234.2	3336.1
20°	3252.2	3360.6
21°	3269.1	3385.4
22°	3286.8	3409.9
23°	3305.6	3442.4
24°	3322.7	3469.8
25°	3342.6	3496.2
26°	3360.7	3522.3
27°	3382.2	3548.3
28°	3401.0	3572.3
29°	3419.6	3598.0
30°	3436.0	3622.3
31°	3451.4	3644.5
32°	3468.9	3664.0
33°	3485.7	3680.8
34°	3500.1	3694.2
35°	3516.2	3708.1
36°	3526.6	3713.3
37°	3533.5	3712.8
38°	3538.0	3706.3
39°	3537.0	3687.7
40°	3531.2	3668.0
41°	3523.0	3641.8
42°	3507.2	3608.7
43°	3480.5	3564.6
44°	3451.1	3512.5



REPORT NUMBER: P1449823
CATALOG NUMBER: TWC100_T2_60W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	3414.0	3450.1
46°	3366.9	3368.6
47°	3312.8	3284.5
48°	3246.2	3188.4
49°	3168.8	3081.0
50°	3066.5	2949.2
51°	2962.0	2821.7
52°	2844.7	2681.9
53°	2715.4	2524.3
54°	2561.6	2336.0
55°	2404.0	2154.0
56°	2225.6	1966.8
57°	2034.3	1741.1
58°	1812.8	1510.0
59°	1603.8	1250.4
60°	1377.4	941.7
61°	1130.1	664.8
62°	837.2	443.3
63°	568.2	292.1
64°	349.5	201.9
65°	208.4	174.4
66°	137.4	162.6
67°	118.5	153.3
68°	107.7	143.8
69°	97.2	134.8
70°	88.3	127.5
71°	82.4	122.5
72°	77.7	115.7
73°	71.7	109.0
74°	65.1	99.9
75°	58.0	93.1
76°	52.1	85.7
77°	47.0	80.5
78°	42.6	75.2
79°	39.8	70.7
80°	36.9	66.0
81°	34.0	60.2
82°	30.2	53.9
83°	25.2	38.2
84°	21.2	27.2
85°	16.2	21.4
86°	13.2	15.9
87°	10.2	9.5
88°	7.1	4.6
89°	6.5	2.2



REPORT NUMBER: P1449823
CATALOG NUMBER: TWC100_T2_60W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	7.1	1.9
91°	7.6	2.2
92°	8.3	2.4
93°	8.8	2.9
94°	9.5	3.2
95°	10.1	3.6
96°	10.7	4.0
97°	11.4	4.5
98°	12.0	5.0
99°	12.7	5.5
100°	13.5	6.0
101°	14.0	6.5
102°	14.6	7.2
103°	15.1	7.9
104°	16.0	8.6
105°	16.5	9.4
106°	17.1	10.0
107°	17.8	10.5
108°	18.4	11.2
109°	18.9	12.0
110°	19.4	12.4
111°	20.1	13.2
112°	20.7	13.9
113°	21.3	14.6
114°	21.8	15.3
115°	22.2	15.9
116°	22.7	16.5
117°	23.2	17.2
118°	23.6	17.9
119°	23.9	18.3
120°	24.4	19.1
121°	24.8	19.6
122°	24.8	20.2
123°	25.1	20.7
124°	25.6	21.2
125°	25.8	21.7
126°	26.0	22.2
127°	26.3	22.7
128°	26.6	23.0
129°	26.6	23.6
130°	27.0	24.3
131°	27.1	24.9
132°	27.2	24.9
133°	27.4	25.3
134°	27.7	25.6



REPORT NUMBER: P1449823
CATALOG NUMBER: TWC100_T2_60W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	27.8	25.9
136°	28.0	26.5
137°	28.1	26.7
138°	28.3	27.2
139°	28.6	27.4
140°	28.4	27.7
141°	28.5	27.9
142°	28.7	28.4
143°	28.9	28.5
144°	28.9	28.6
145°	29.0	28.7
146°	29.1	28.9
147°	29.4	29.0
148°	29.3	29.1
149°	29.3	29.3
150°	29.4	29.3
151°	29.7	29.6
152°	29.8	29.7
153°	29.9	29.8
154°	29.9	29.8
155°	29.9	29.9
156°	30.0	29.9
157°	30.2	29.9
158°	30.2	30.3
159°	30.3	30.1
160°	30.3	30.2
161°	30.4	30.3
162°	30.5	30.3
163°	30.5	30.4
164°	30.6	30.5
165°	30.8	30.6
166°	30.9	30.7
167°	31.1	30.7
168°	31.2	30.8
169°	31.2	30.9
170°	31.3	31.0
171°	31.6	31.2
172°	31.5	31.3
173°	31.8	31.5
174°	32.0	31.7
175°	32.1	31.8
176°	32.2	32.2
177°	32.2	32.3
178°	32.5	32.3
179°	32.6	32.4

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

Scaled Data Report



REPORT NUMBER: P1449823
CATALOG NUMBER: TWC100_T2_60W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	32.5	32.5

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

Report Prepared for

Cooper Lighting Solutions

Lumark

Report Number: SP1-2601-659-3

Test Date: 02/12/2026

Luminaire Tested: MWP2460W34VDDKYYAD-T4-24W-5000K

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

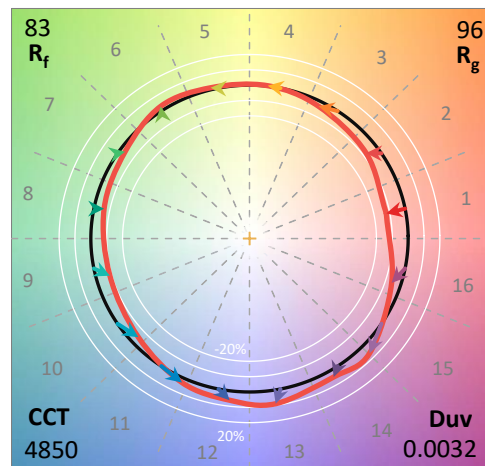
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2601-659-3
 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-5000K**
 Description: Mester Wedge, at T4 beam setting, 24W output, 5000K

Spectral Parameters

CCT (K): 4850
 CIE u': 0.2108
 CIE v': 0.4905
 Duv: 0.0032
 CIE x: 0.3503
 CIE y: 0.3623
 CIE z: 0.2875
 Peak Wavelength (nm): 452
 Dominant Wavelength (nm): 571
 Purity: 13.81051
 Rf: 83.1
 Rg: 95.8

CRI (Ra):	82.6		
R1:	80.9	R9:	8.5
R2:	87.6	R10:	69.7
R3:	92.0	R11:	80.6
R4:	81.9	R12:	52.2
R5:	80.4	R13:	82.7
R6:	82.0	R14:	95.7
R7:	88.2	R15:	74.9
R8:	67.7		



Test Conditions

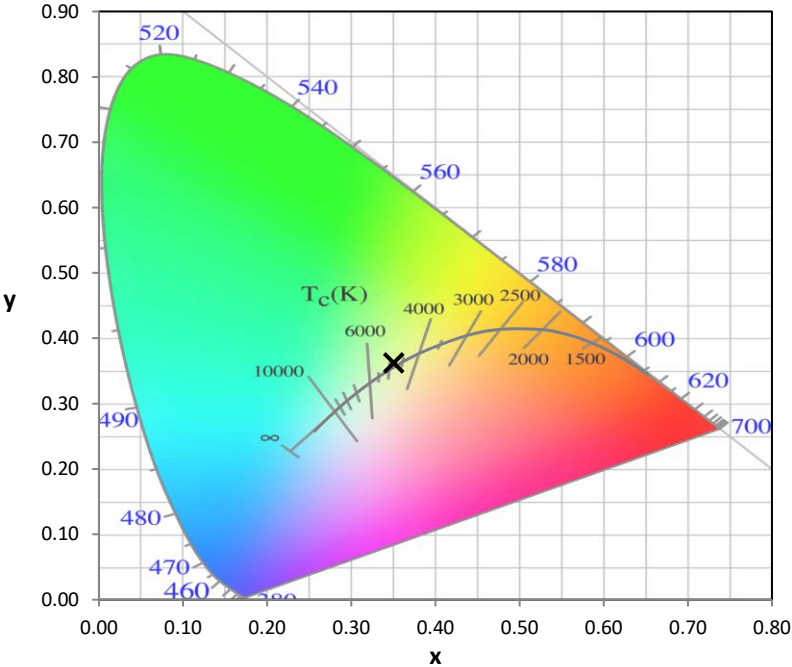
Stabilization Time: 25M
 Operation Time: 1H 25M
 Sphere Temperature (°C): 24.8

REPORT NUMBER: SP1-2601-659-3

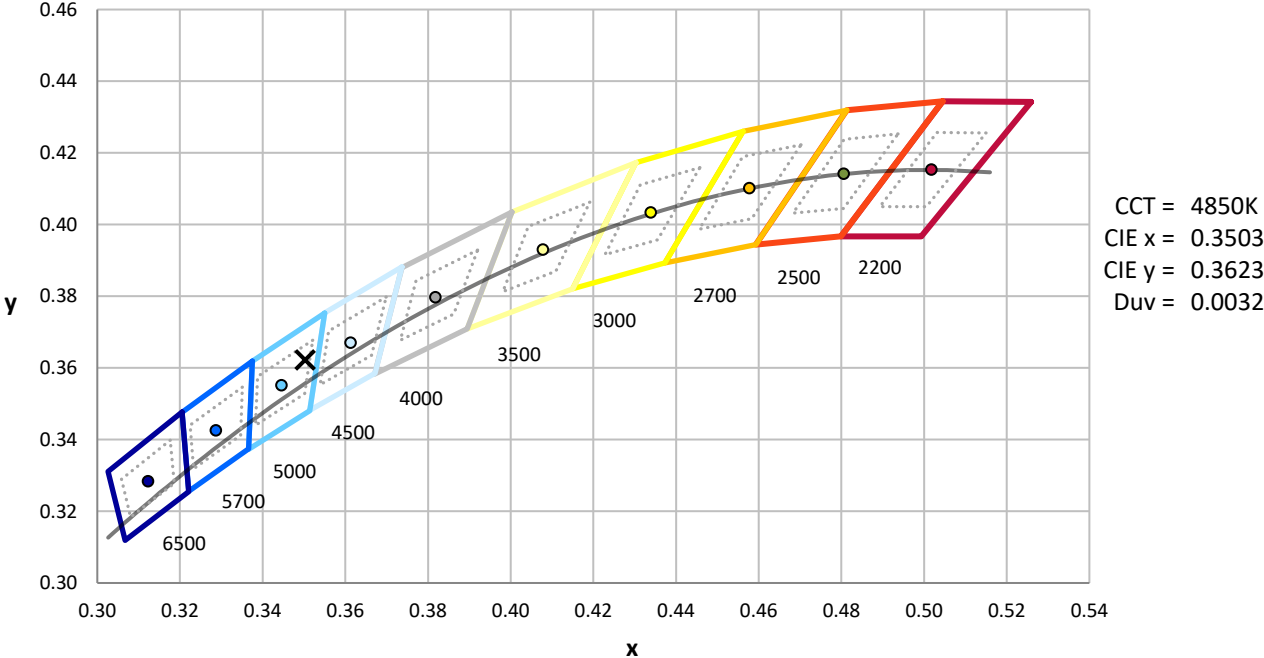
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	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: SP1-2601-659-3

CIE 1931 Chromaticity Diagram



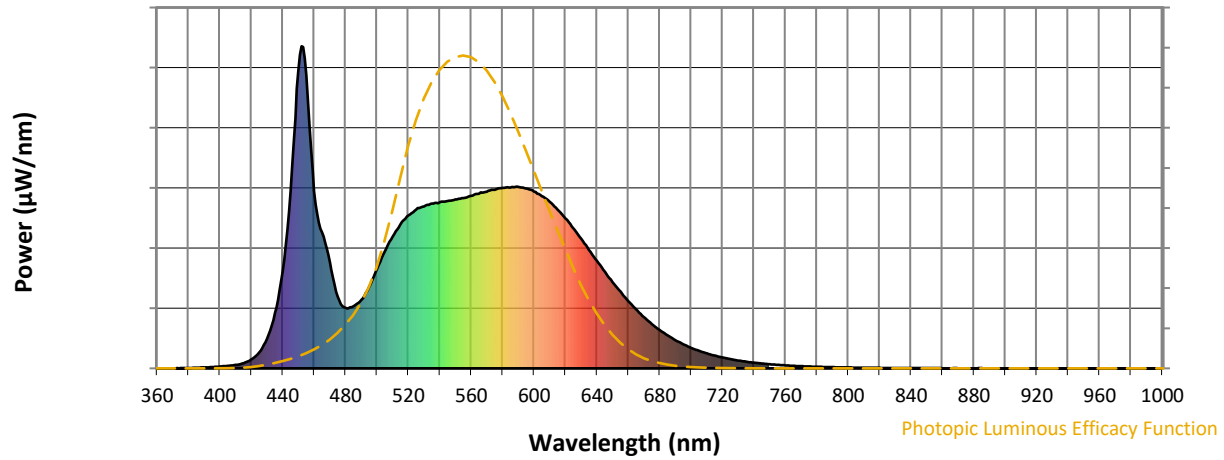
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2601-659-3

Photopic Flux vs. Wavelength

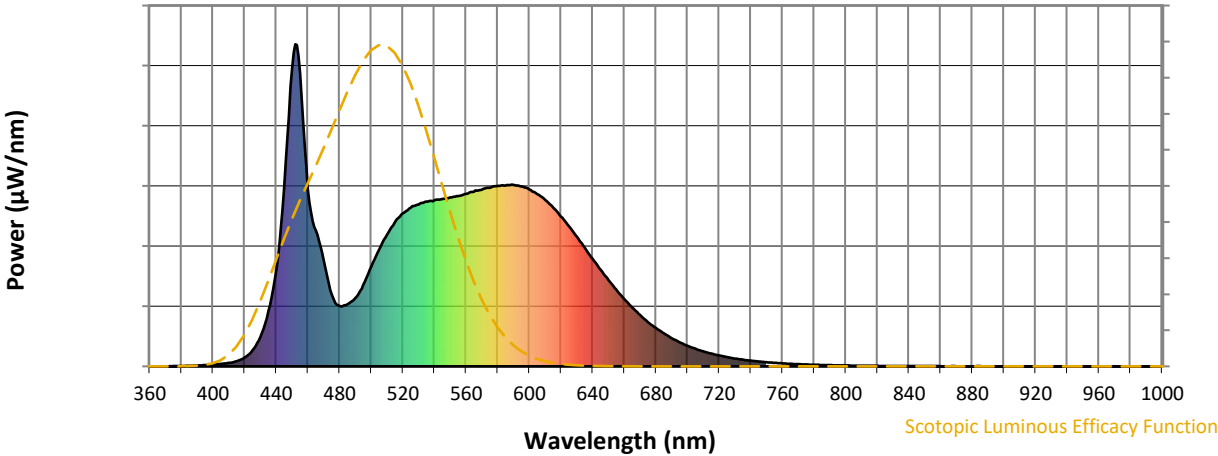


Photopic Lumens: NR

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	212	NR	620	465	NR	750	13	NR	880	0	NR
365	0	NR	495	253	NR	625	436	NR	755	11	NR	885	1	NR
370	0	NR	500	309	NR	630	403	NR	760	9	NR	890	0	NR
375	1	NR	505	363	NR	635	368	NR	765	8	NR	895	0	NR
380	1	NR	510	409	NR	640	334	NR	770	7	NR	900	0	NR
385	2	NR	515	448	NR	645	300	NR	775	6	NR	905	0	NR
390	3	NR	520	475	NR	650	268	NR	780	5	NR	910	0	NR
395	4	NR	525	493	NR	655	238	NR	785	4	NR	915	0	NR
400	6	NR	530	503	NR	660	209	NR	790	4	NR	920	0	NR
405	8	NR	535	512	NR	665	183	NR	795	3	NR	925	0	NR
410	11	NR	540	515	NR	670	159	NR	800	3	NR	930	0	NR
415	16	NR	545	520	NR	675	138	NR	805	2	NR	935	0	NR
420	28	NR	550	524	NR	680	119	NR	810	2	NR	940	0	NR
425	50	NR	555	528	NR	685	102	NR	815	2	NR	945	0	NR
430	92	NR	560	535	NR	690	88	NR	820	2	NR	950	0	NR
435	171	NR	565	542	NR	695	75	NR	825	1	NR	955	0	NR
440	300	NR	570	548	NR	700	64	NR	830	1	NR	960	0	NR
445	553	NR	575	555	NR	705	55	NR	835	1	NR	965	0	NR
450	925	NR	580	560	NR	710	46	NR	840	1	NR	970	0	NR
455	909	NR	585	562	NR	715	40	NR	845	1	NR	975	0	NR
460	550	NR	590	563	NR	720	34	NR	850	1	NR	980	0	NR
465	422	NR	595	558	NR	725	29	NR	855	1	NR	985	0	NR
470	328	NR	600	548	NR	730	24	NR	860	1	NR	990	0	NR
475	223	NR	605	534	NR	735	21	NR	865	0	NR	995	0	NR
480	188	NR	610	516	NR	740	18	NR	870	0	NR	1000	0	NR
485	193	NR	615	492	NR	745	15	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



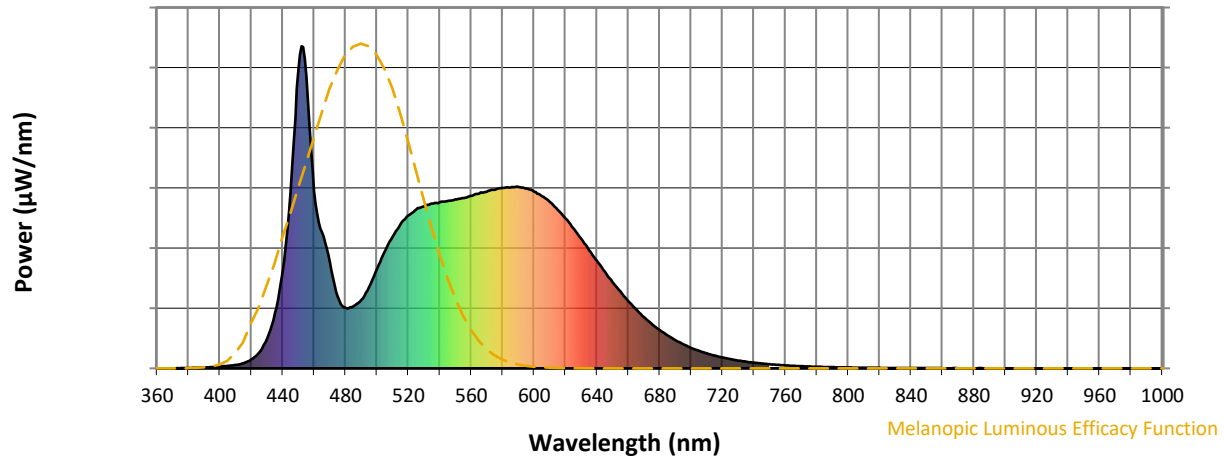
Scotopic Lumens: NR

S/P: 1.9

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	212	NR	620	465	NR	750	13	NR	880	0	NR
365	0	NR	495	253	NR	625	436	NR	755	11	NR	885	1	NR
370	0	NR	500	309	NR	630	403	NR	760	9	NR	890	0	NR
375	1	NR	505	363	NR	635	368	NR	765	8	NR	895	0	NR
380	1	NR	510	409	NR	640	334	NR	770	7	NR	900	0	NR
385	2	NR	515	448	NR	645	300	NR	775	6	NR	905	0	NR
390	3	NR	520	475	NR	650	268	NR	780	5	NR	910	0	NR
395	4	NR	525	493	NR	655	238	NR	785	4	NR	915	0	NR
400	6	NR	530	503	NR	660	209	NR	790	4	NR	920	0	NR
405	8	NR	535	512	NR	665	183	NR	795	3	NR	925	0	NR
410	11	NR	540	515	NR	670	159	NR	800	3	NR	930	0	NR
415	16	NR	545	520	NR	675	138	NR	805	2	NR	935	0	NR
420	28	NR	550	524	NR	680	119	NR	810	2	NR	940	0	NR
425	50	NR	555	528	NR	685	102	NR	815	2	NR	945	0	NR
430	92	NR	560	535	NR	690	88	NR	820	2	NR	950	0	NR
435	171	NR	565	542	NR	695	75	NR	825	1	NR	955	0	NR
440	300	NR	570	548	NR	700	64	NR	830	1	NR	960	0	NR
445	553	NR	575	555	NR	705	55	NR	835	1	NR	965	0	NR
450	925	NR	580	560	NR	710	46	NR	840	1	NR	970	0	NR
455	909	NR	585	562	NR	715	40	NR	845	1	NR	975	0	NR
460	550	NR	590	563	NR	720	34	NR	850	1	NR	980	0	NR
465	422	NR	595	558	NR	725	29	NR	855	1	NR	985	0	NR
470	328	NR	600	548	NR	730	24	NR	860	1	NR	990	0	NR
475	223	NR	605	534	NR	735	21	NR	865	0	NR	995	0	NR
480	188	NR	610	516	NR	740	18	NR	870	0	NR	1000	0	NR
485	193	NR	615	492	NR	745	15	NR	875	0	NR			

REPORT NUMBER: SP1-2601-659-3

Melanopic Flux vs. Wavelength



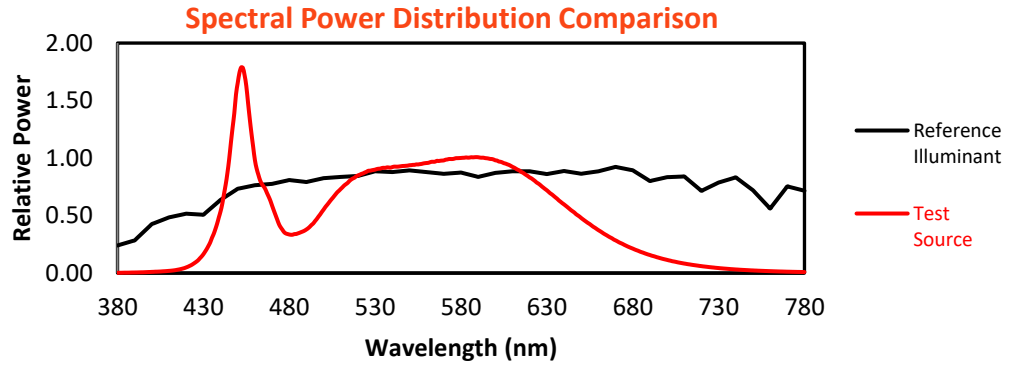
Melanopic Lumens: NR

M/P: 4

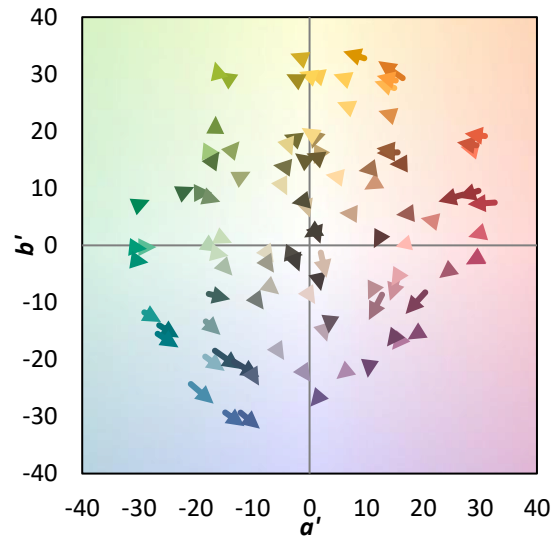
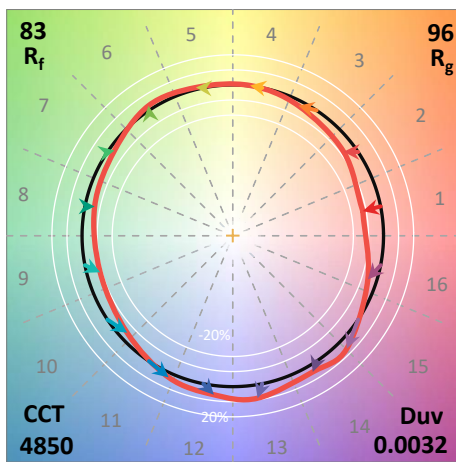
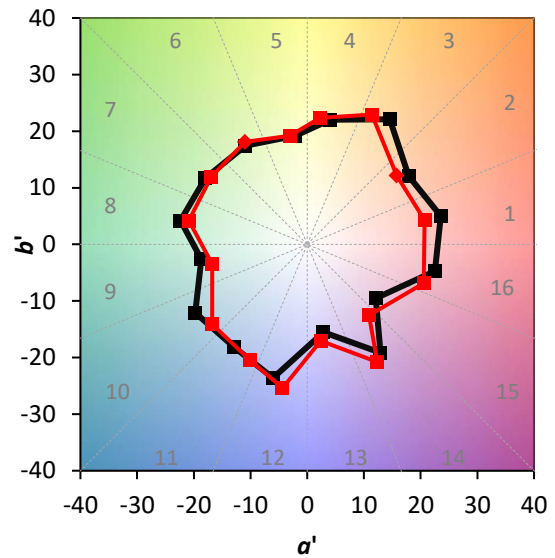
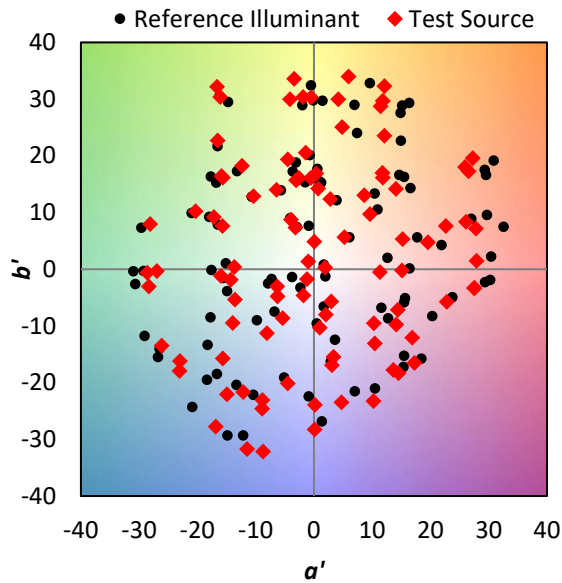
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	212	NR	620	465	NR	750	13	NR	880	0	NR
365	0	NR	495	253	NR	625	436	NR	755	11	NR	885	1	NR
370	0	NR	500	309	NR	630	403	NR	760	9	NR	890	0	NR
375	1	NR	505	363	NR	635	368	NR	765	8	NR	895	0	NR
380	1	NR	510	409	NR	640	334	NR	770	7	NR	900	0	NR
385	2	NR	515	448	NR	645	300	NR	775	6	NR	905	0	NR
390	3	NR	520	475	NR	650	268	NR	780	5	NR	910	0	NR
395	4	NR	525	493	NR	655	238	NR	785	4	NR	915	0	NR
400	6	NR	530	503	NR	660	209	NR	790	4	NR	920	0	NR
405	8	NR	535	512	NR	665	183	NR	795	3	NR	925	0	NR
410	11	NR	540	515	NR	670	159	NR	800	3	NR	930	0	NR
415	16	NR	545	520	NR	675	138	NR	805	2	NR	935	0	NR
420	28	NR	550	524	NR	680	119	NR	810	2	NR	940	0	NR
425	50	NR	555	528	NR	685	102	NR	815	2	NR	945	0	NR
430	92	NR	560	535	NR	690	88	NR	820	2	NR	950	0	NR
435	171	NR	565	542	NR	695	75	NR	825	1	NR	955	0	NR
440	300	NR	570	548	NR	700	64	NR	830	1	NR	960	0	NR
445	553	NR	575	555	NR	705	55	NR	835	1	NR	965	0	NR
450	925	NR	580	560	NR	710	46	NR	840	1	NR	970	0	NR
455	909	NR	585	562	NR	715	40	NR	845	1	NR	975	0	NR
460	550	NR	590	563	NR	720	34	NR	850	1	NR	980	0	NR
465	422	NR	595	558	NR	725	29	NR	855	1	NR	985	0	NR
470	328	NR	600	548	NR	730	24	NR	860	1	NR	990	0	NR
475	223	NR	605	534	NR	735	21	NR	865	0	NR	995	0	NR
480	188	NR	610	516	NR	740	18	NR	870	0	NR	1000	0	NR
485	193	NR	615	492	NR	745	15	NR	875	0	NR			

Summary

$R_f = 83.1$
 $R_g = 95.8$
 CIE $R_a = 82.6$
 $R_9 = 8.5$

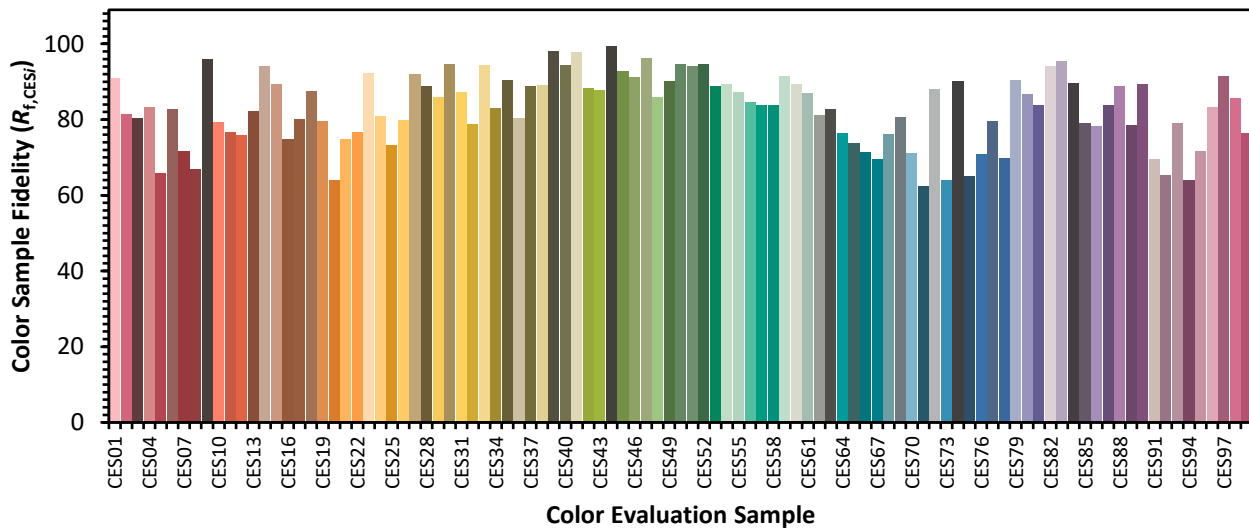


Color Vector Graphics

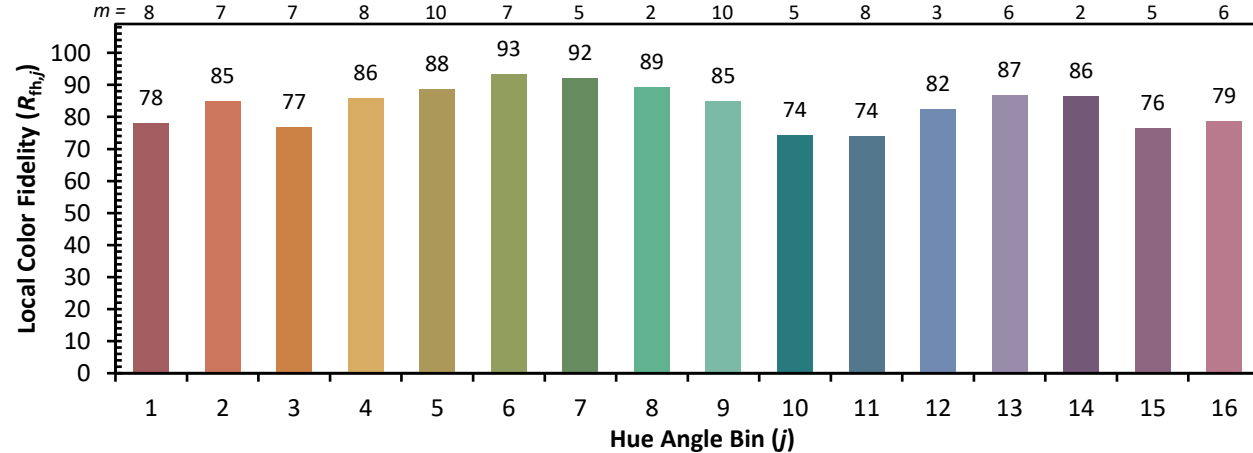
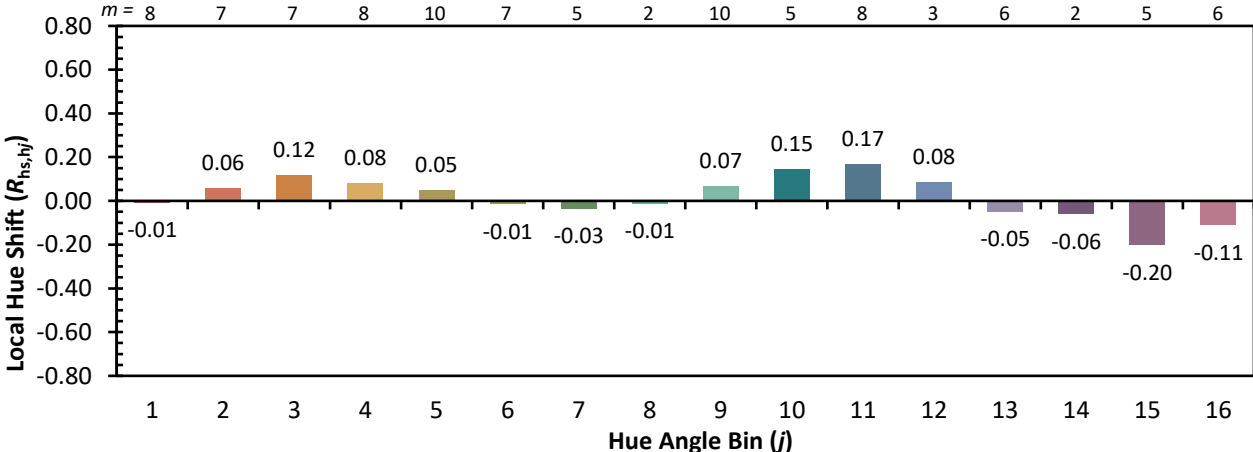
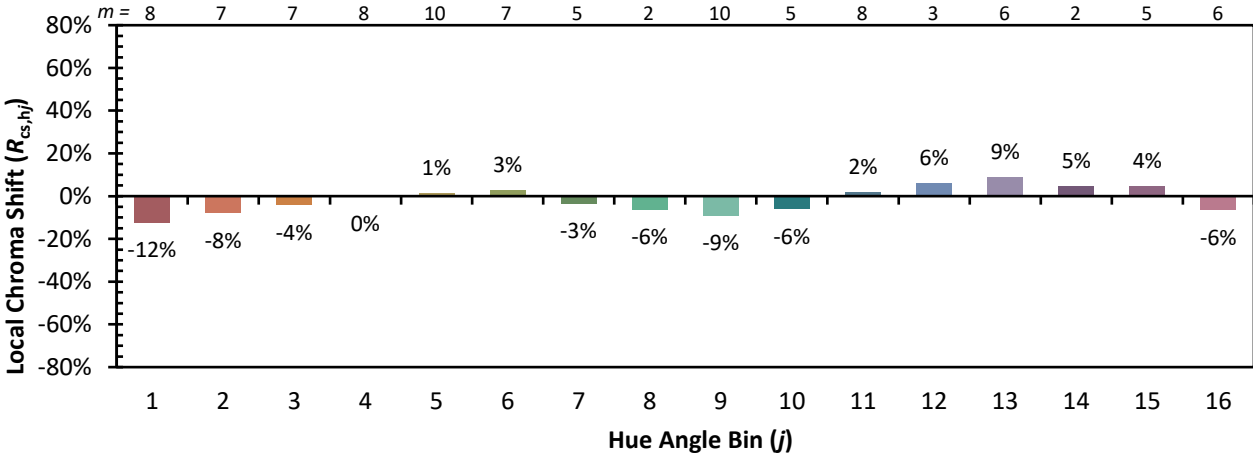


Individual Sample Fidelity Index ($R_{f,i}$)

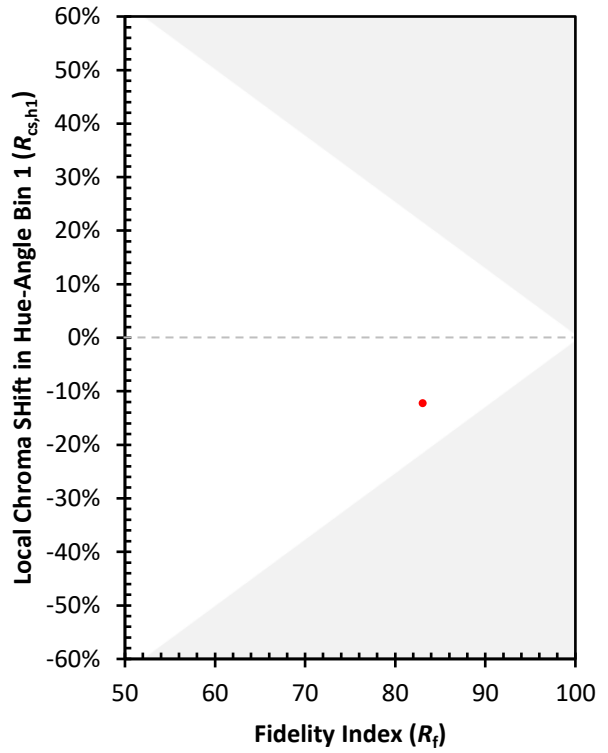
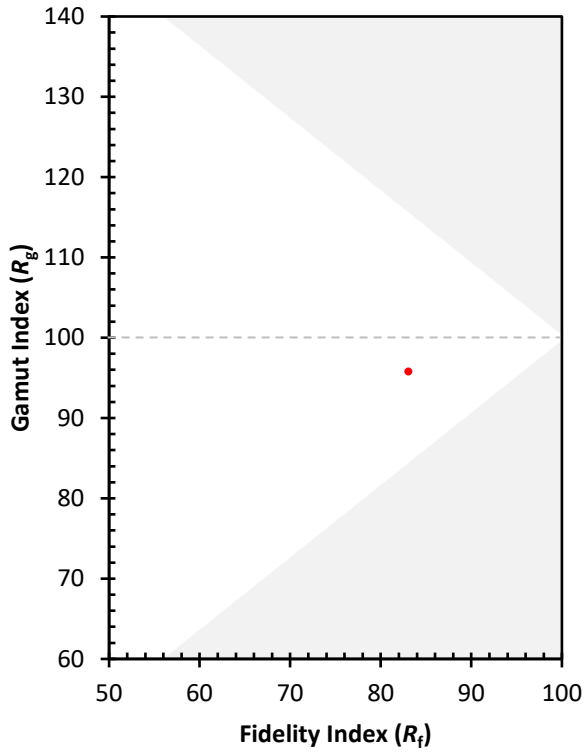
CES01 = 85	CES26 = 80	CES51 = 94	CES76 = 71
CES02 = 60	CES27 = 92	CES52 = 95	CES77 = 80
CES03 = 30	CES28 = 89	CES53 = 89	CES78 = 70
CES04 = 69	CES29 = 86	CES54 = 89	CES79 = 90
CES05 = 47	CES30 = 95	CES55 = 87	CES80 = 87
CES06 = 50	CES31 = 87	CES56 = 85	CES81 = 84
CES07 = 40	CES32 = 79	CES57 = 84	CES82 = 94
CES08 = 39	CES33 = 94	CES58 = 84	CES83 = 95
CES09 = 29	CES34 = 83	CES59 = 91	CES84 = 90
CES10 = 73	CES35 = 90	CES60 = 89	CES85 = 79
CES11 = 56	CES36 = 80	CES61 = 87	CES86 = 78
CES12 = 62	CES37 = 89	CES62 = 81	CES87 = 84
CES13 = 42	CES38 = 89	CES63 = 83	CES88 = 89
CES14 = 74	CES39 = 98	CES64 = 77	CES89 = 79
CES15 = 71	CES40 = 94	CES65 = 74	CES90 = 89
CES16 = 46	CES41 = 98	CES66 = 71	CES91 = 70
CES17 = 49	CES42 = 88	CES67 = 70	CES92 = 65
CES18 = 56	CES43 = 88	CES68 = 76	CES93 = 79
CES19 = 71	CES44 = 99	CES69 = 81	CES94 = 64
CES20 = 64	CES45 = 93	CES70 = 71	CES95 = 72
CES21 = 85	CES46 = 91	CES71 = 62	CES96 = 83
CES22 = 77	CES47 = 96	CES72 = 88	CES97 = 91
CES23 = 91	CES48 = 86	CES73 = 64	CES98 = 86
CES24 = 90	CES49 = 90	CES74 = 90	CES99 = 76
CES25 = 71	CES50 = 95	CES75 = 65	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)