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: P1449833

Luminaire Tested: **TWC100_T3_60W_3000K**

Issue Date: 5/19/2026

Report Generated By 670246072

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1449833
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (20260310005)
Test Lab:	INNOVATION CENTER
Issue Date:	5/19/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	TWC100_T3_60W_3000K
Description:	Tapered Wall Cutoff Wall Mount Luminaire at, T3 distribution, 60W 3000K settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9794 lumens
Efficiency:	N/A
Efficacy:	170.3 lumens/watt
Luminous Opening:	Rectangular (W 0.92' x L: 0.42' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U3 - G2

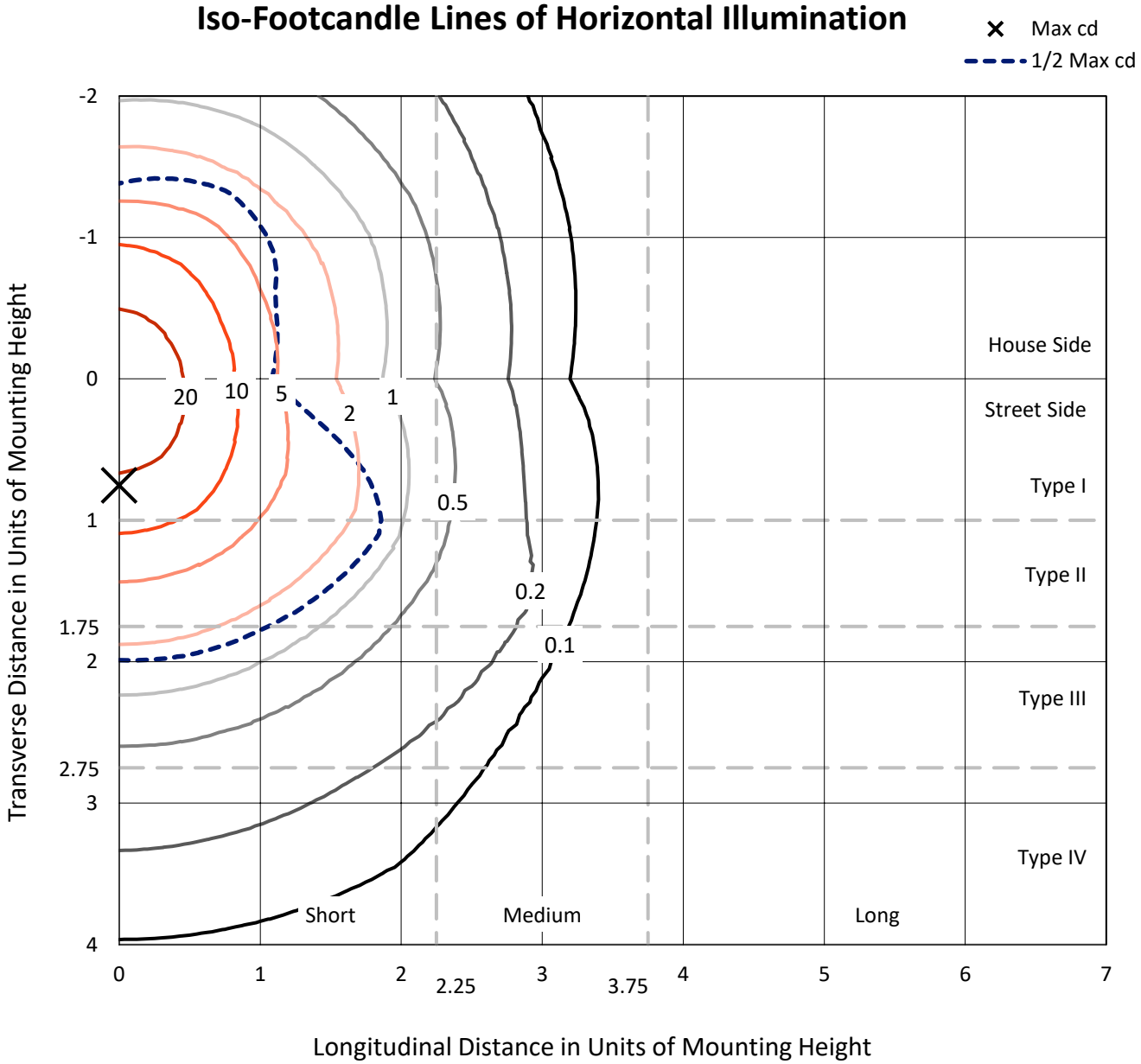
Input Watts (W):	57.5
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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

Scaled Data Report

REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

Iso-Footcandle Lines of Horizontal Illumination



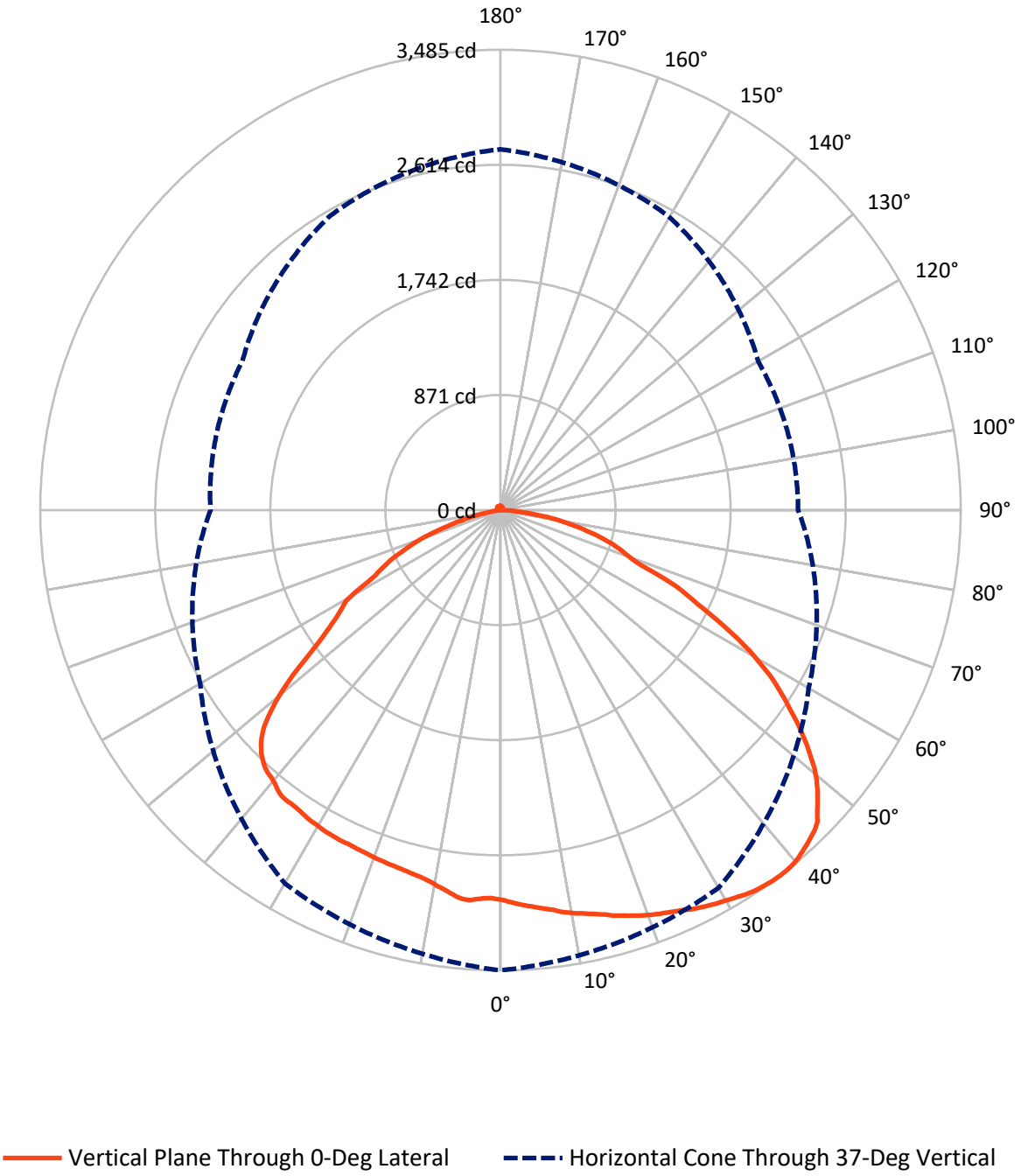
Based on 10 foot mounting height. Maximum calculated value = 29.8 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

Luminous Intensity Polar Plot



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

Scaled Data Report

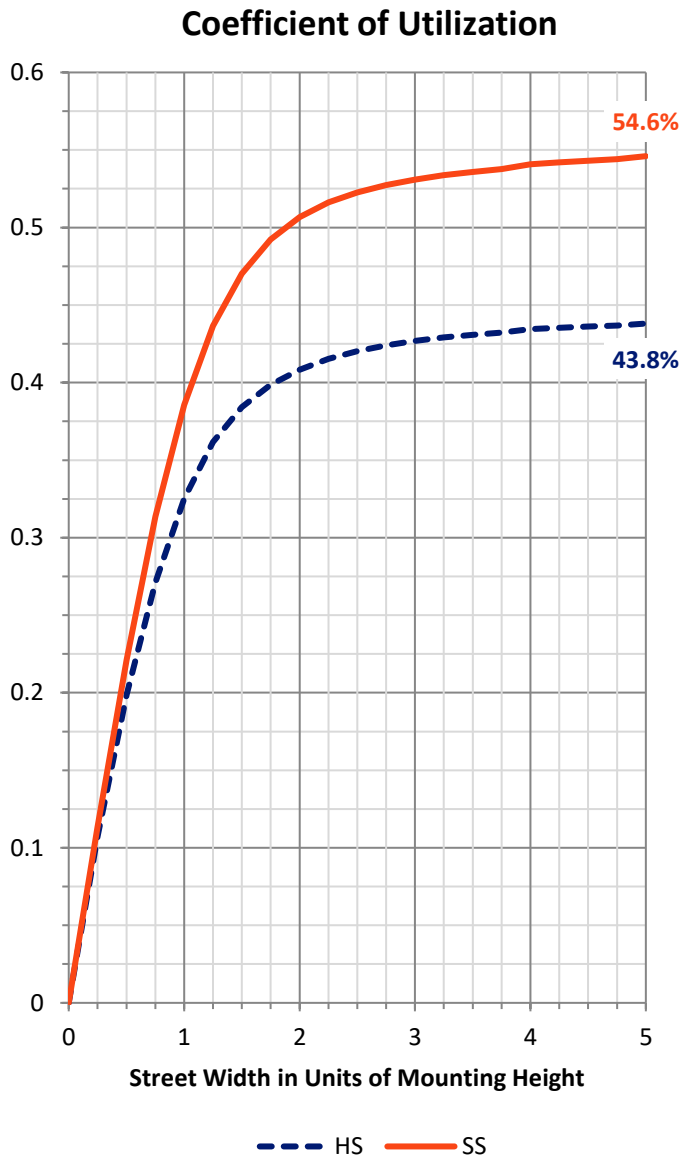
REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4313.7	58.8	4372.4
	% Fixture	44.0	0.6	44.6
Street Side	Lumens	5374.8	46.8	5421.6
	% Fixture	54.9	0.5	55.4
Total	Lumens	9688.4	105.6	9794.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.9	2.9
10°-20°	828.1	8.5
20°-30°	1314.9	13.4
30°-40°	1703.0	17.4
40°-50°	1914.7	19.5
50°-60°	1770.9	18.1
60°-70°	1211.7	12.4
70°-80°	540.3	5.5
80°-90°	122.0	1.2
90°-100°	5.1	0.1
100°-110°	9.5	0.1
110°-120°	14.2	0.1
120°-130°	17.4	0.2
130°-140°	18.1	0.2
140°-150°	16.6	0.2
150°-160°	13.2	0.1
160°-170°	8.5	0.1
170°-180°	2.9	0.0
0°-90°	9688.4	98.9
0°-180°	9794.0	100.0



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

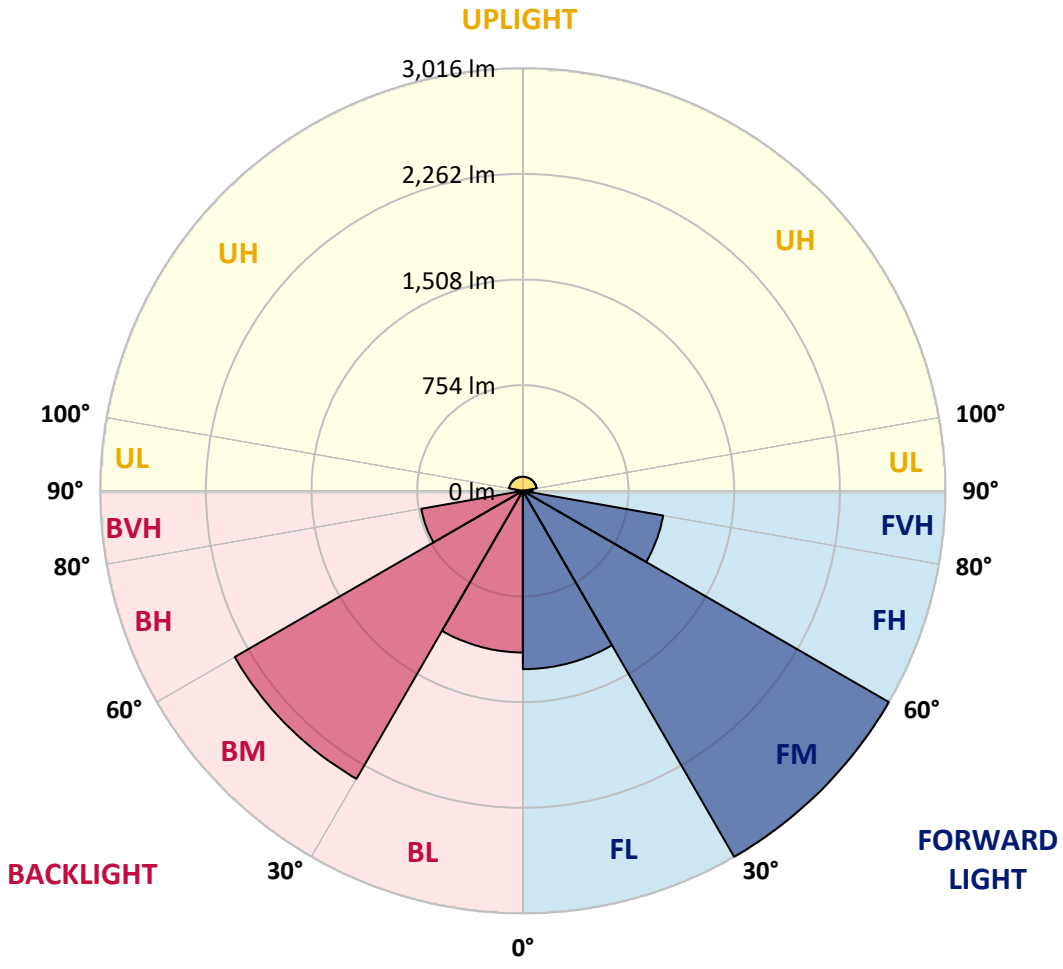
Scaled Data Report

REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1272.5	13.0			
FM	(30°-60°)	3015.5	30.8			
FH	(60°-80°)	1016.2	10.4			G1/1800
FVH	(80°-90°)	70.6	0.7			G1/100
BL	(0°-30°)	1153.4	11.8	B3/2500		
BM	(30°-60°)	2373.2	24.2	B2/2500		
BH	(60°-80°)	735.8	7.5	B2/1000		G2/1000
BVH	(80°-90°)	51.4	0.5			G1/100
UL	(90°-100°)	5.1	0.1		U1/10	
UH	(100°-180°)	100.4	1.0		U3/500	

BUG Rating: B3-U3-G2
Type III Short



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

Scaled Data Report

REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7	2954.7
1°	2969.4	2963.3	2961.0	2956.2	2945.6	2943.8	2944.3	2941.4	2946.1	2951.0	2963.5
2°	2983.2	2976.1	2966.9	2956.0	2938.6	2933.8	2938.4	2937.9	2937.8	2948.3	2969.5
3°	2998.4	2991.5	2971.7	2947.5	2931.0	2926.5	2941.8	2935.4	2931.3	2944.6	2974.4
4°	3010.6	3001.8	2976.1	2944.4	2922.9	2920.3	2951.7	2940.6	2925.3	2939.7	2974.1
5°	3025.2	3013.4	2981.2	2940.3	2920.3	2926.4	2963.4	2949.1	2917.1	2933.9	2975.9
6°	3039.7	3027.0	2982.7	2933.6	2914.5	2937.7	2959.7	2955.1	2915.9	2927.4	2977.5
7°	3052.5	3037.0	2989.6	2932.0	2910.8	2945.0	2944.7	2950.2	2916.8	2918.7	2978.6
8°	3074.3	3048.4	2991.2	2924.8	2912.1	2944.5	2923.2	2934.2	2918.9	2909.5	2980.1
9°	3089.4	3058.9	2991.5	2914.8	2912.7	2929.0	2902.5	2911.8	2927.0	2900.0	2979.1
10°	3104.5	3066.1	2985.0	2901.2	2915.3	2904.0	2887.0	2890.4	2923.8	2889.9	2977.2
11°	3116.2	3076.1	2983.9	2890.3	2909.8	2876.7	2865.8	2871.2	2914.9	2877.5	2976.4
12°	3131.1	3087.1	2983.2	2878.4	2902.5	2859.2	2852.2	2856.0	2893.2	2863.3	2973.0
13°	3146.7	3104.3	2980.5	2863.3	2889.3	2841.8	2840.6	2836.5	2869.0	2843.2	2969.2
14°	3163.1	3114.1	2981.2	2849.0	2867.2	2824.7	2832.8	2821.4	2840.6	2827.0	2964.8
15°	3185.1	3124.8	2977.2	2834.2	2841.2	2807.5	2826.2	2809.0	2814.5	2810.6	2955.6
16°	3201.4	3133.7	2974.3	2818.9	2814.1	2794.1	2819.4	2797.8	2788.9	2796.9	2950.5
17°	3220.1	3146.5	2970.6	2801.7	2788.3	2783.6	2813.5	2784.5	2764.8	2780.2	2944.6
18°	3238.1	3156.8	2964.6	2783.5	2756.2	2772.8	2809.2	2773.5	2742.1	2761.8	2941.8
19°	3255.2	3168.1	2958.1	2765.1	2731.3	2762.4	2804.9	2764.8	2716.4	2743.0	2933.7
20°	3270.2	3178.0	2952.0	2740.2	2705.7	2750.5	2800.5	2757.8	2693.2	2720.0	2924.9
21°	3285.3	3187.1	2939.2	2720.4	2680.1	2735.7	2795.8	2748.2	2668.7	2700.8	2915.2
22°	3298.2	3195.3	2930.4	2699.8	2656.3	2725.0	2788.8	2739.0	2646.4	2683.3	2898.3
23°	3313.6	3207.3	2919.8	2682.2	2632.0	2714.9	2785.3	2729.3	2618.9	2663.7	2886.0
24°	3328.3	3215.4	2909.7	2662.2	2608.5	2705.4	2782.5	2716.5	2597.9	2646.5	2872.7
25°	3349.6	3222.9	2902.5	2642.2	2583.5	2698.6	2778.7	2708.3	2573.5	2630.2	2860.0
26°	3365.3	3230.3	2890.0	2623.2	2559.5	2690.6	2779.9	2698.7	2551.1	2610.4	2844.2
27°	3379.3	3232.9	2877.0	2600.7	2534.7	2680.1	2776.6	2688.6	2527.0	2588.5	2828.7
28°	3395.0	3240.6	2855.2	2580.0	2509.3	2666.4	2773.6	2679.6	2502.6	2564.3	2812.6
29°	3406.8	3248.0	2840.0	2558.0	2477.3	2654.7	2771.4	2669.9	2477.6	2537.4	2794.6
30°	3421.3	3253.7	2824.7	2532.9	2451.3	2643.2	2764.7	2660.1	2446.3	2504.2	2776.9
31°	3435.4	3265.3	2809.5	2501.4	2424.1	2633.0	2759.8	2648.5	2420.2	2458.3	2758.1
32°	3452.2	3273.4	2793.5	2469.1	2396.7	2619.8	2755.0	2639.5	2395.3	2415.7	2739.4
33°	3462.4	3280.4	2776.7	2433.8	2371.4	2609.5	2749.0	2629.6	2369.7	2372.0	2713.2
34°	3471.7	3288.0	2758.4	2391.6	2343.8	2598.8	2739.5	2619.7	2341.8	2328.4	2692.0
35°	3478.3	3292.9	2739.4	2344.8	2316.5	2586.8	2733.6	2603.4	2313.6	2285.9	2669.4
36°	3482.5	3297.0	2716.2	2299.3	2287.8	2575.1	2729.3	2588.2	2284.4	2240.6	2646.2
37°	3484.8	3301.7	2694.5	2253.4	2252.1	2560.1	2730.9	2574.0	2256.1	2195.3	2625.8
38°	3483.2	3302.5	2672.9	2205.7	2221.3	2544.9	2726.1	2563.3	2224.9	2142.6	2601.8
39°	3477.8	3301.7	2651.3	2149.0	2191.2	2533.9	2708.5	2559.2	2194.4	2096.0	2578.4
40°	3468.8	3296.2	2624.6	2101.5	2159.9	2525.2	2685.1	2551.5	2163.8	2049.4	2548.8
41°	3450.5	3290.3	2605.4	2054.0	2125.8	2512.7	2666.5	2532.8	2131.8	2003.4	2525.2
42°	3433.7	3282.3	2585.7	2007.3	2093.5	2495.3	2658.1	2504.7	2093.6	1958.0	2503.0
43°	3414.6	3267.6	2566.6	1958.0	2060.7	2465.6	2640.3	2482.5	2060.5	1906.9	2481.9
44°	3394.5	3250.9	2551.8	1909.4	2026.1	2450.2	2613.3	2471.6	2025.8	1860.8	2460.4

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

Scaled Data Report

REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	3365.3	3231.1	2535.3	1862.1	1987.4	2438.6	2582.8	2452.8	1991.4	1813.9	2442.2
46°	3306.2	3208.6	2520.2	1808.3	1949.9	2421.1	2542.0	2426.4	1960.8	1763.1	2424.0
47°	3256.2	3175.1	2499.9	1758.9	1915.6	2394.9	2491.2	2395.5	1935.2	1714.0	2407.3
48°	3204.4	3131.0	2485.7	1708.5	1887.8	2362.1	2429.1	2364.4	1904.0	1665.0	2390.0
49°	3147.8	3068.4	2470.8	1658.1	1854.0	2330.4	2339.4	2330.1	1853.5	1614.7	2374.0
50°	3083.1	3018.5	2456.0	1606.9	1810.8	2297.8	2243.4	2281.3	1815.5	1556.9	2357.5
51°	3003.8	2969.2	2441.6	1550.3	1767.5	2257.2	2129.7	2223.5	1784.1	1506.0	2340.6
52°	2923.8	2904.6	2425.6	1499.3	1735.1	2197.2	2007.0	2154.8	1749.6	1455.7	2323.9
53°	2839.7	2830.2	2407.9	1447.0	1701.8	2132.6	1867.5	2072.7	1709.7	1403.7	2300.6
54°	2753.8	2736.5	2389.3	1391.6	1664.7	2054.0	1751.6	1975.3	1671.5	1347.9	2280.5
55°	2658.9	2650.0	2370.4	1338.8	1625.5	1952.9	1652.6	1850.5	1632.2	1294.9	2261.2
56°	2574.0	2555.4	2351.4	1284.9	1579.5	1844.8	1572.9	1730.1	1590.6	1240.5	2244.1
57°	2485.6	2449.3	2329.9	1222.8	1537.1	1727.6	1502.8	1613.3	1543.7	1184.2	2222.0
58°	2391.6	2350.8	2298.9	1166.3	1492.3	1608.0	1448.3	1509.6	1496.2	1129.1	2197.8
59°	2277.5	2252.4	2241.8	1110.7	1444.2	1487.7	1400.0	1420.2	1448.1	1066.7	2156.3
60°	2168.0	2153.0	2195.5	1054.8	1389.7	1402.0	1355.8	1354.6	1397.8	1010.7	2100.8
61°	2048.3	2045.5	2147.2	994.9	1340.0	1335.0	1259.5	1301.6	1338.5	954.8	2054.5
62°	1915.3	1942.9	2075.2	941.6	1287.2	1280.1	1140.9	1254.6	1287.3	894.6	1997.1
63°	1779.5	1840.6	1987.1	888.2	1228.9	1230.7	1064.8	1203.5	1232.3	846.4	1918.5
64°	1651.9	1733.9	1880.5	834.2	1174.2	1186.2	1014.6	1117.3	1168.8	799.0	1810.4
65°	1555.1	1597.4	1756.0	779.1	1116.3	1103.7	962.1	1027.5	1090.0	746.1	1690.8
66°	1458.5	1462.5	1594.0	729.2	1050.3	1007.6	909.3	974.7	1001.4	692.1	1549.0
67°	1312.6	1349.3	1430.7	673.7	964.0	961.2	851.0	936.8	899.6	641.7	1385.1
68°	1148.5	1241.6	1254.1	618.5	869.9	924.8	788.0	899.0	800.7	590.5	1193.8
69°	1064.1	1081.2	1076.1	559.4	766.7	887.8	730.1	855.7	710.4	531.5	1008.9
70°	1013.7	948.2	911.3	508.1	668.5	841.3	669.1	807.4	651.9	479.2	831.0
71°	966.4	890.3	797.8	457.1	601.4	799.1	606.0	765.4	611.1	429.3	697.5
72°	916.3	847.0	810.0	403.9	556.6	759.1	530.5	721.2	563.4	381.0	652.1
73°	862.1	807.7	880.8	357.1	514.1	713.5	460.5	674.7	515.2	330.8	766.0
74°	798.1	768.6	691.2	313.8	462.6	668.7	396.4	619.9	486.4	287.9	681.5
75°	734.6	726.9	451.2	273.4	433.6	622.4	339.0	564.0	459.2	248.8	408.0
76°	671.4	674.3	376.4	232.4	406.9	569.5	287.7	500.0	429.2	212.9	324.0
77°	604.8	623.8	331.5	200.1	375.4	499.9	246.7	436.5	399.4	178.9	284.0
78°	543.6	580.0	330.4	170.8	349.2	436.8	208.1	373.6	373.4	150.5	273.4
79°	480.7	540.4	327.2	145.1	324.3	378.0	160.0	325.1	347.9	125.3	290.0
80°	419.1	497.2	249.2	118.7	300.4	329.6	105.1	281.6	318.6	101.8	214.1
81°	351.7	452.2	173.2	95.2	273.1	281.6	66.1	235.0	290.6	80.4	144.7
82°	290.8	392.8	146.4	74.0	247.7	238.8	52.0	185.0	262.8	60.2	120.2
83°	230.1	321.2	127.5	54.1	221.0	185.6	40.1	114.9	232.7	45.6	103.8
84°	176.3	276.9	109.4	40.0	192.3	111.2	29.8	53.1	197.2	34.0	90.8
85°	120.2	232.4	93.1	28.9	163.5	43.5	23.7	27.2	163.6	23.7	77.3
86°	85.3	171.7	78.6	20.1	128.0	22.5	14.9	18.3	133.6	16.4	63.0
87°	50.7	114.6	56.6	11.9	101.6	13.6	9.4	11.3	94.7	10.7	43.2
88°	17.9	42.3	24.6	6.1	59.1	7.2	6.4	6.9	35.6	6.2	15.1
89°	2.2	2.4	2.3	2.5	15.3	3.6	5.1	5.1	5.1	3.4	3.9

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

Scaled Data Report

REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1.4	1.7	1.6	1.2	2.0	2.3	5.2	5.1	4.8	3.1	3.9
91°	1.4	1.9	1.8	1.4	2.2	2.5	5.7	5.6	5.2	3.4	4.3
92°	1.7	2.2	1.9	1.6	2.5	2.7	6.2	6.0	5.7	3.8	4.5
93°	1.9	2.2	2.2	1.8	2.6	3.1	6.6	6.6	6.1	4.1	4.8
94°	1.9	2.5	2.4	1.9	2.9	3.2	7.3	7.1	6.5	4.4	5.1
95°	2.2	2.8	2.6	2.0	3.3	3.5	7.8	7.7	7.1	4.8	5.6
96°	2.4	2.9	2.8	2.3	3.6	3.9	8.3	8.2	7.5	5.1	5.8
97°	2.8	3.3	3.1	2.4	3.9	4.3	9.1	8.7	8.1	5.7	6.3
98°	3.0	3.5	3.2	2.8	4.5	4.7	9.6	9.4	8.6	6.0	6.6
99°	3.1	3.9	3.6	3.0	4.8	5.0	10.3	10.1	9.3	6.3	7.0
100°	3.5	4.2	3.9	3.3	5.2	5.4	11.0	10.7	9.7	6.8	7.4
101°	3.9	4.4	4.2	3.6	5.5	5.9	11.6	11.3	10.3	7.1	7.7
102°	4.2	4.8	4.5	3.9	6.1	6.4	12.3	12.1	10.9	7.7	8.3
103°	4.5	5.2	4.8	4.3	6.4	6.8	13.2	12.6	11.6	8.1	8.6
104°	4.9	5.7	5.1	4.5	6.8	7.3	13.6	13.5	12.2	8.8	9.2
105°	5.4	5.8	5.4	4.9	7.3	7.8	14.4	14.2	12.6	9.1	9.7
106°	5.7	6.3	5.8	5.4	7.8	8.3	15.1	15.0	13.3	9.7	10.1
107°	6.2	6.7	6.3	5.7	8.2	8.9	16.0	15.7	14.0	10.2	10.6
108°	6.5	7.1	6.5	6.2	8.7	9.5	16.7	16.4	14.4	10.8	11.0
109°	7.1	7.6	7.0	6.5	9.4	10.2	17.5	17.2	15.3	11.2	11.5
110°	7.4	8.0	7.3	7.0	9.8	10.8	18.2	17.9	15.8	11.8	12.0
111°	8.0	8.4	7.6	7.4	10.3	11.4	19.2	18.8	16.3	12.3	12.5
112°	8.4	8.9	8.0	7.7	10.8	12.1	19.9	19.5	16.8	12.8	13.1
113°	8.9	9.5	8.4	8.3	11.2	12.9	20.5	20.2	17.4	13.5	13.2
114°	9.5	9.9	8.8	8.8	11.7	13.4	21.4	20.9	18.1	13.8	13.8
115°	10.0	10.4	9.3	9.2	12.2	14.0	22.0	21.4	18.5	14.4	14.4
116°	10.5	10.9	9.7	9.7	12.8	15.0	22.8	22.2	19.0	15.0	14.7
117°	11.2	11.5	10.0	10.0	13.2	15.3	23.4	22.8	19.6	15.5	15.2
118°	11.7	11.8	10.5	10.6	13.7	16.0	24.2	23.4	19.8	16.1	15.6
119°	12.1	12.4	10.9	11.0	14.1	16.7	24.9	24.0	20.4	16.7	16.1
120°	12.8	13.0	11.4	11.5	14.7	17.3	25.4	24.6	20.9	17.1	16.5
121°	13.2	13.4	11.7	12.1	15.2	18.1	26.0	25.1	21.3	17.6	17.0
122°	13.9	14.0	12.2	12.5	15.6	18.5	26.6	25.7	21.8	18.1	17.4
123°	14.4	14.3	12.8	12.9	16.1	19.1	27.1	26.0	22.4	18.6	17.9
124°	15.0	14.8	13.0	13.5	16.7	19.7	27.7	26.7	22.8	19.0	18.4
125°	15.5	15.3	13.5	13.9	17.2	20.1	28.2	27.0	23.2	19.6	18.8
126°	16.0	15.8	13.9	14.4	17.7	20.8	28.6	27.4	23.4	20.0	19.3
127°	16.6	16.2	14.4	14.8	18.1	21.3	28.9	27.7	24.0	20.2	19.6
128°	17.0	16.6	14.9	15.3	18.8	21.8	29.3	28.2	24.3	20.7	19.9
129°	17.7	17.2	15.3	15.8	19.3	22.4	29.7	28.6	24.9	21.3	20.4
130°	18.1	17.6	15.6	16.1	19.8	22.9	29.9	28.9	25.1	21.6	20.8
131°	18.5	18.0	16.1	16.7	20.2	23.1	30.4	29.2	25.6	21.9	21.3
132°	19.0	18.3	16.5	17.3	20.7	23.8	30.7	29.5	25.9	22.2	21.4
133°	19.4	18.9	16.9	17.6	21.2	24.2	30.9	29.7	26.3	22.8	21.9
134°	19.8	19.1	17.3	18.0	21.8	24.7	31.2	30.0	26.6	23.0	22.3

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

Scaled Data Report

REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	20.1	19.4	17.7	18.3	22.2	25.0	31.5	30.3	26.9	23.5	22.5
136°	20.5	19.8	18.1	18.8	22.8	25.6	31.6	30.5	27.2	23.9	23.0
137°	21.0	20.2	18.6	19.3	23.2	26.0	31.8	30.7	27.6	24.1	23.4
138°	21.4	20.6	18.9	19.7	23.7	26.4	32.0	30.9	27.8	24.4	23.6
139°	21.7	21.2	19.4	20.1	24.1	26.9	32.1	31.0	28.1	24.7	24.0
140°	22.1	21.4	19.7	20.5	24.5	27.2	32.4	31.1	28.3	25.1	24.4
141°	22.4	21.7	20.2	20.8	24.9	27.8	32.4	31.3	28.6	25.4	24.5
142°	22.9	22.0	20.5	21.1	25.3	27.8	32.5	31.5	28.6	25.7	24.9
143°	22.9	22.4	20.9	21.4	25.7	28.3	32.4	31.5	28.9	26.1	25.2
144°	23.4	22.8	21.3	21.9	26.0	28.7	32.4	31.6	29.2	26.3	25.4
145°	23.7	23.0	21.8	22.3	26.1	29.0	32.5	31.7	29.3	26.6	25.7
146°	24.1	23.3	22.0	22.6	26.6	29.4	32.5	31.8	29.5	26.9	26.0
147°	24.3	23.7	22.5	23.0	26.8	29.6	32.5	31.8	29.7	27.2	26.3
148°	24.6	24.0	22.8	23.4	27.0	30.0	32.4	31.9	29.7	27.5	26.6
149°	25.1	24.3	22.9	23.7	27.3	30.1	32.6	32.0	29.9	27.7	27.0
150°	25.3	24.6	23.4	24.0	27.6	30.3	32.7	32.0	30.0	28.1	27.1
151°	25.7	24.9	23.8	24.4	27.8	30.5	32.6	32.2	30.2	28.1	27.3
152°	26.0	25.2	24.2	24.8	28.0	30.7	32.6	32.1	30.4	28.4	27.7
153°	26.1	25.5	24.6	24.9	28.1	30.9	32.6	32.1	30.4	28.7	27.9
154°	26.6	25.7	24.9	25.3	28.4	31.1	32.5	32.0	30.7	28.9	28.0
155°	26.8	26.1	25.1	25.6	28.6	31.1	32.4	32.1	30.7	29.0	28.3
156°	26.9	26.1	25.4	26.0	28.7	31.1	32.2	32.0	30.8	29.2	28.6
157°	27.0	26.3	25.6	26.1	29.0	31.3	32.1	32.0	30.7	29.4	28.7
158°	27.3	26.6	25.8	26.5	29.0	31.4	32.0	32.1	30.9	29.5	28.9
159°	27.5	26.9	26.2	26.6	29.4	31.5	32.0	31.9	30.9	29.7	29.1
160°	27.5	27.0	26.5	27.1	29.5	31.5	31.8	31.9	30.9	29.8	29.0
161°	27.8	27.2	26.8	27.4	29.8	31.7	31.8	31.8	31.0	30.0	29.3
162°	28.0	27.5	27.0	27.8	30.0	31.7	31.7	31.8	31.0	30.1	29.6
163°	28.1	27.7	27.2	28.0	30.1	31.8	31.5	31.8	31.0	30.4	29.7
164°	28.3	27.7	27.5	28.1	30.2	31.9	31.5	31.6	31.1	30.4	29.7
165°	28.3	27.8	27.7	28.3	30.4	31.8	31.3	31.6	31.1	30.4	29.9
166°	28.6	28.2	27.9	28.6	30.5	31.9	31.3	31.6	31.1	30.6	30.1
167°	28.6	28.3	28.1	28.9	30.6	32.1	31.2	31.5	31.1	30.7	30.2
168°	28.9	28.6	28.4	29.2	30.7	32.0	31.2	31.5	31.3	30.9	30.4
169°	29.1	28.6	28.7	29.3	30.7	31.8	31.3	31.4	31.3	30.9	30.4
170°	29.2	28.9	28.9	29.5	30.9	32.1	31.3	31.3	31.4	31.0	30.7
171°	29.4	29.0	29.2	29.8	31.1	32.1	31.2	31.3	31.4	31.2	30.7
172°	29.8	29.2	29.4	30.0	31.1	31.9	31.3	31.3	31.2	31.2	30.7
173°	29.7	29.5	29.7	30.2	31.3	31.9	31.3	31.3	31.2	31.3	31.0
174°	29.9	29.7	29.7	30.4	31.4	31.8	31.5	31.3	31.2	31.3	31.2
175°	30.3	29.8	30.1	30.7	31.4	32.1	31.5	31.3	31.2	31.4	31.2
176°	30.5	30.0	30.2	30.8	31.4	31.8	31.3	31.1	31.2	31.4	31.3
177°	30.6	30.4	30.4	30.9	31.4	31.9	31.3	31.1	31.2	31.3	31.4
178°	31.0	30.4	30.6	31.0	31.5	31.8	31.3	31.0	31.0	31.4	31.5
179°	30.8	30.6	30.7	31.3	31.5	31.8	31.2	31.0	31.0	31.3	31.6

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

Scaled Data Report

REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	*31.2*	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2

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

Scaled Data Report

REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	2954.7	2954.7
1°	2967.0	2969.4
2°	2979.0	2983.2
3°	2990.6	2998.4
4°	3001.7	3010.6
5°	3010.0	3025.2
6°	3020.6	3039.7
7°	3030.2	3052.5
8°	3046.2	3074.3
9°	3056.9	3089.4
10°	3066.5	3104.5
11°	3077.2	3116.2
12°	3082.2	3131.1
13°	3091.3	3146.7
14°	3101.4	3163.1
15°	3116.8	3185.1
16°	3127.0	3201.4
17°	3136.8	3220.1
18°	3147.0	3238.1
19°	3155.2	3255.2
20°	3164.8	3270.2
21°	3172.2	3285.3
22°	3178.1	3298.2
23°	3184.7	3313.6
24°	3191.2	3328.3
25°	3197.8	3349.6
26°	3210.1	3365.3
27°	3216.5	3379.3
28°	3222.7	3395.0
29°	3227.1	3406.8
30°	3228.1	3421.3
31°	3234.2	3435.4
32°	3239.6	3452.2
33°	3251.7	3462.4
34°	3257.1	3471.7
35°	3261.6	3478.3
36°	3264.8	3482.5
37°	*3264.1*	*3484.8*
38°	3264.8	3483.2
39°	3261.6	3477.8
40°	3255.0	3468.8
41°	3241.6	3450.5
42°	3230.6	3433.7
43°	3213.3	3414.6
44°	3195.3	3394.5

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

Scaled Data Report

REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	3175.5	3365.3
46°	3151.2	3306.2
47°	3121.2	3256.2
48°	3069.1	3204.4
49°	2999.3	3147.8
50°	2951.5	3083.1
51°	2896.4	3003.8
52°	2828.1	2923.8
53°	2746.4	2839.7
54°	2661.6	2753.8
55°	2569.9	2658.9
56°	2472.6	2574.0
57°	2364.2	2485.6
58°	2264.2	2391.6
59°	2164.2	2277.5
60°	2050.8	2168.0
61°	1949.8	2048.3
62°	1849.9	1915.3
63°	1749.3	1779.5
64°	1635.1	1651.9
65°	1507.5	1555.1
66°	1378.4	1458.5
67°	1278.9	1312.6
68°	1150.7	1148.5
69°	984.3	1064.1
70°	888.0	1013.7
71°	842.0	966.4
72°	800.3	916.3
73°	760.7	862.1
74°	720.5	798.1
75°	677.8	734.6
76°	622.4	671.4
77°	574.9	604.8
78°	534.8	543.6
79°	496.7	480.7
80°	452.5	419.1
81°	407.2	351.7
82°	343.7	290.8
83°	285.9	230.1
84°	243.3	176.3
85°	186.3	120.2
86°	141.1	85.3
87°	80.0	50.7
88°	6.0	17.9
89°	3.9	2.2

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

Scaled Data Report

REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	4.3	1.4
91°	4.5	1.4
92°	4.8	1.7
93°	5.2	1.9
94°	5.7	1.9
95°	6.1	2.2
96°	6.5	2.4
97°	7.0	2.8
98°	7.4	3.0
99°	7.9	3.1
100°	8.4	3.5
101°	8.9	3.9
102°	9.5	4.2
103°	9.9	4.5
104°	10.3	4.9
105°	10.9	5.4
106°	11.5	5.7
107°	12.1	6.2
108°	12.5	6.5
109°	12.9	7.1
110°	13.5	7.4
111°	14.0	8.0
112°	14.7	8.4
113°	15.2	8.9
114°	15.7	9.5
115°	16.2	10.0
116°	16.7	10.5
117°	17.4	11.2
118°	17.9	11.7
119°	18.3	12.1
120°	18.8	12.8
121°	19.3	13.2
122°	19.9	13.9
123°	20.0	14.4
124°	20.6	15.0
125°	21.0	15.5
126°	21.4	16.0
127°	21.7	16.6
128°	22.0	17.0
129°	22.2	17.7
130°	22.7	18.1
131°	23.0	18.5
132°	23.2	19.0
133°	23.5	19.4
134°	23.9	19.8

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

Scaled Data Report

REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	24.3	20.1
136°	24.5	20.5
137°	24.7	21.0
138°	24.9	21.4
139°	25.2	21.7
140°	25.4	22.1
141°	25.7	22.4
142°	26.0	22.9
143°	26.3	22.9
144°	26.3	23.4
145°	26.5	23.7
146°	26.7	24.1
147°	26.8	24.3
148°	27.2	24.6
149°	27.5	25.1
150°	27.5	25.3
151°	27.6	25.7
152°	27.8	26.0
153°	27.9	26.1
154°	28.0	26.6
155°	28.1	26.8
156°	28.3	26.9
157°	28.4	27.0
158°	28.5	27.3
159°	28.7	27.5
160°	28.9	27.5
161°	29.1	27.8
162°	29.0	28.0
163°	29.2	28.1
164°	29.3	28.3
165°	29.4	28.3
166°	29.7	28.6
167°	29.8	28.6
168°	30.0	28.9
169°	30.0	29.1
170°	30.2	29.2
171°	30.5	29.4
172°	30.5	29.8
173°	30.7	29.7
174°	30.8	29.9
175°	31.1	30.3
176°	31.2	30.5
177°	31.3	30.6
178°	31.4	31.0
179°	31.5	30.8

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

Scaled Data Report

REPORT NUMBER: P1449833
CATALOG NUMBER: TWC100_T3_60W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	31.2	31.2

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

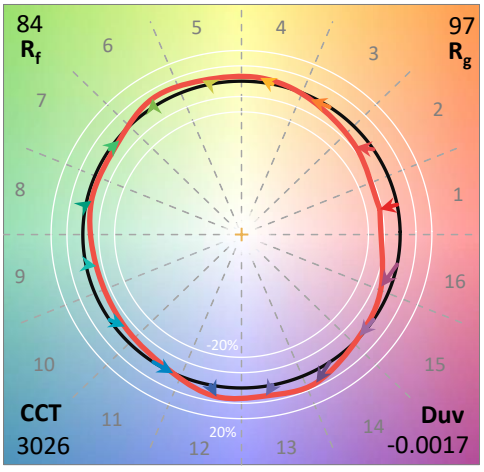
Test Information

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

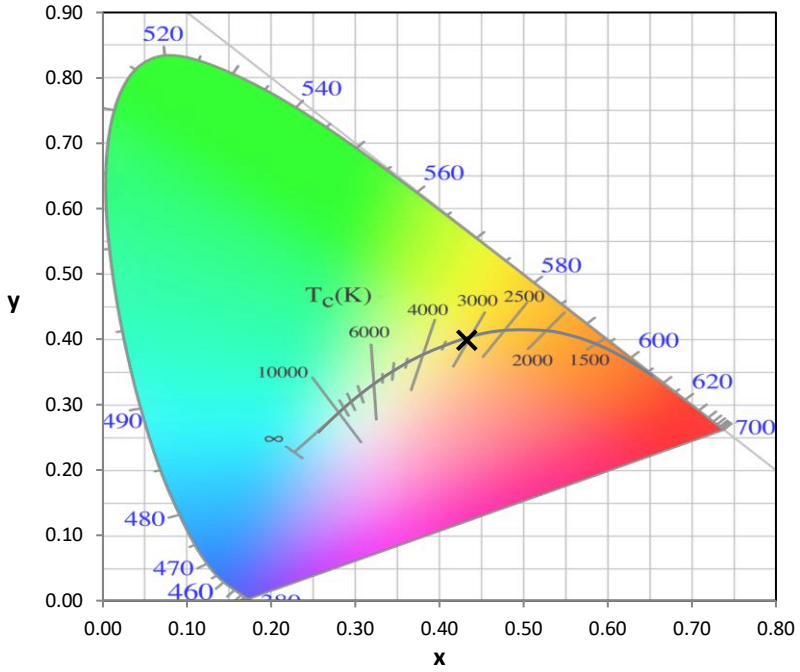
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2601-659-1

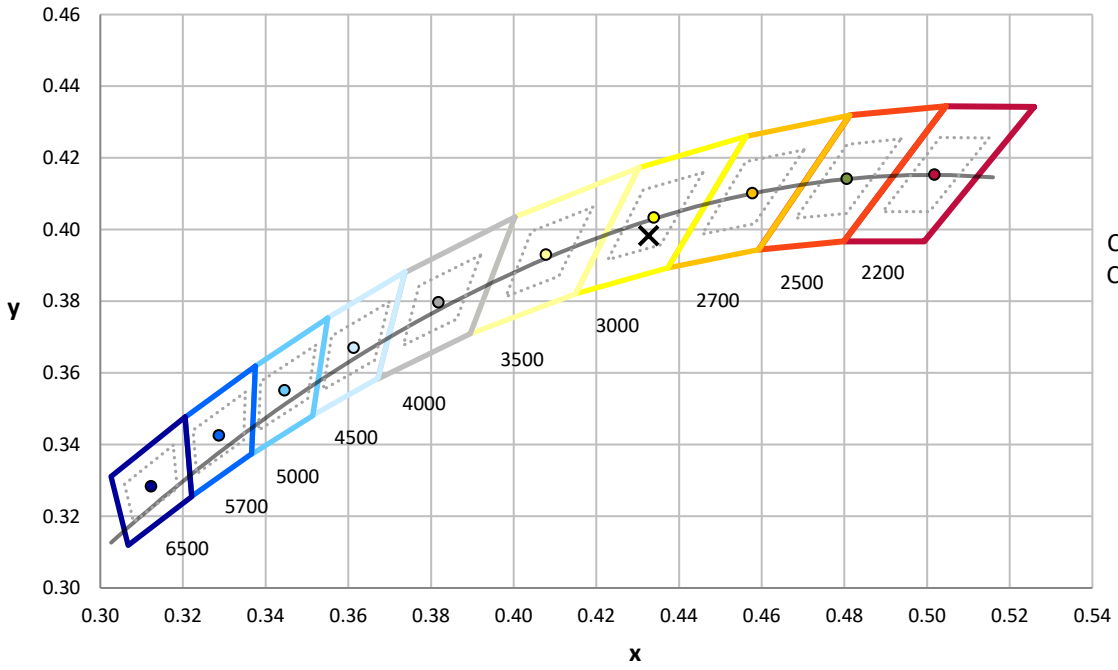
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

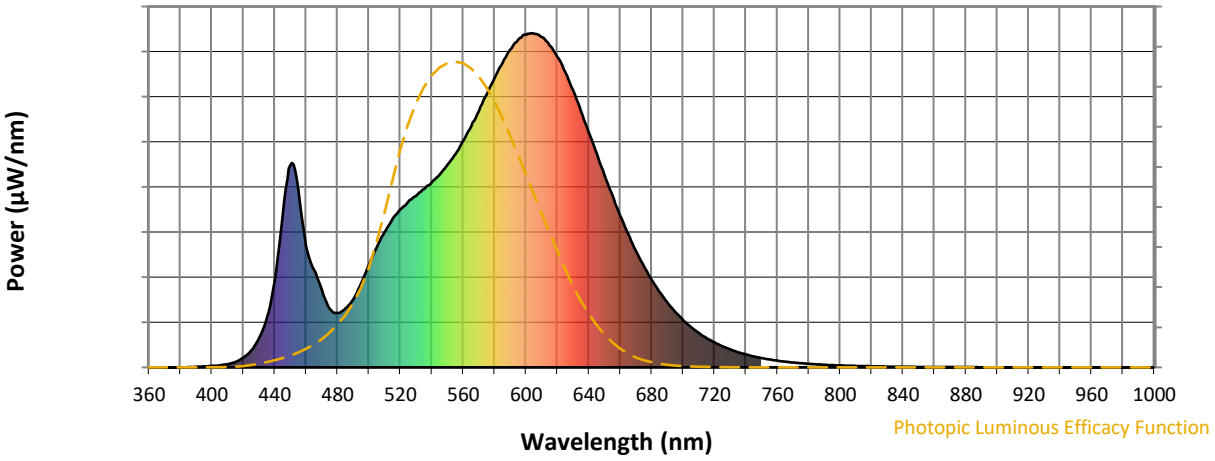


CCT = 3026K
CIE x = 0.4326
CIE y = 0.3983
Duv = -0.0017

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2601-659-1

Photopic Flux vs. Wavelength

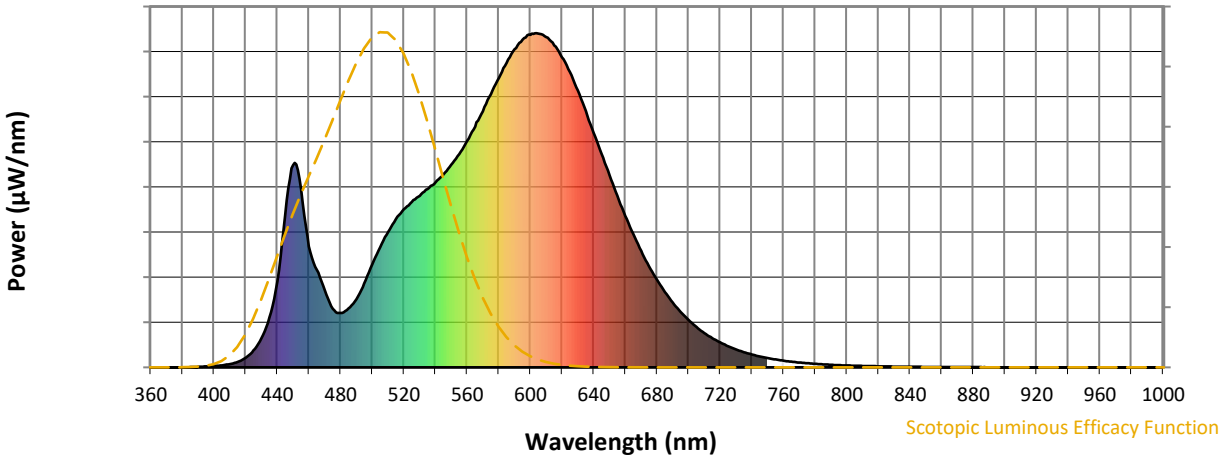


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2601-659-1

Scotopic Flux vs. Wavelength

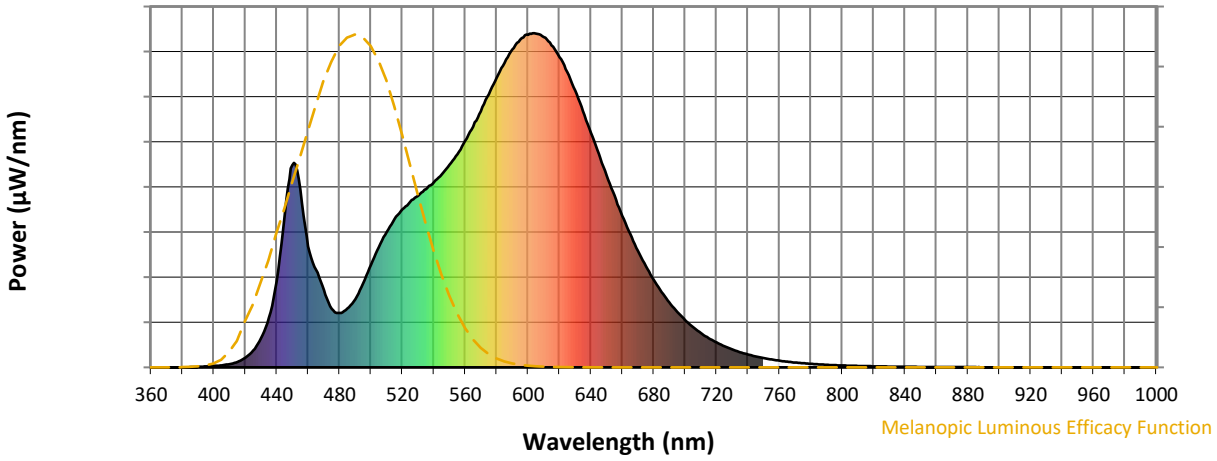


Scotopic Lumens: NR **S/P: 1.35**

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			

REPORT NUMBER: SP1-2601-659-1

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			

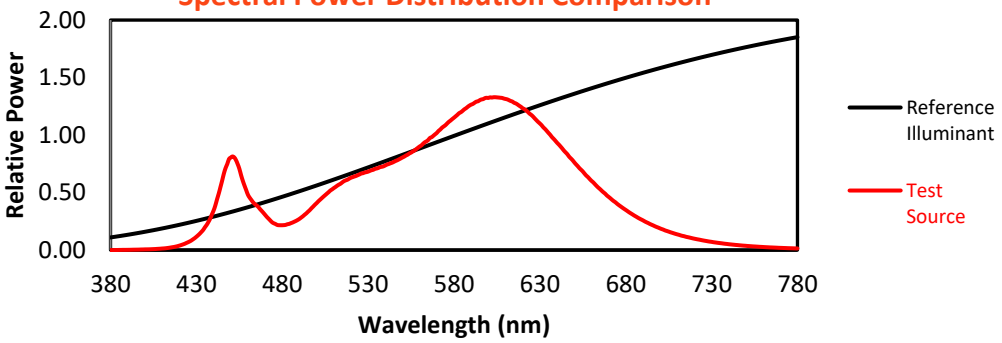
REPORT NUMBER: SP1-2601-659-1

TM-30-18

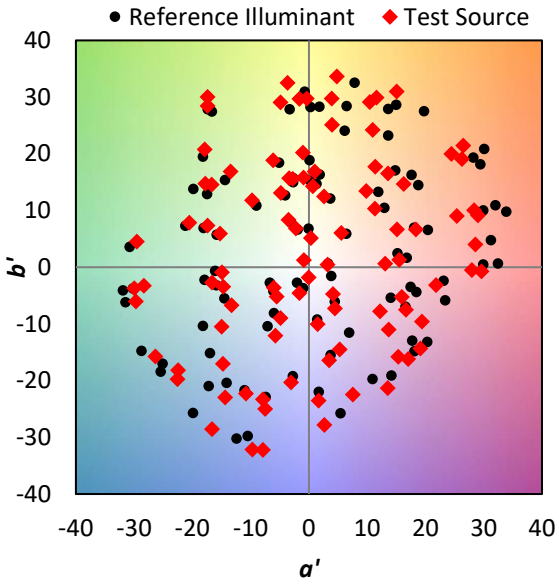
Summary

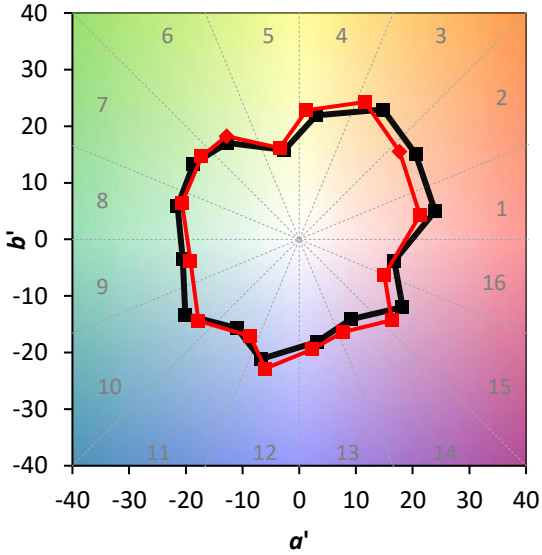
R_f = 84
R_g = 97.4
CIE R_a = 82.7
R_9 = 7.5

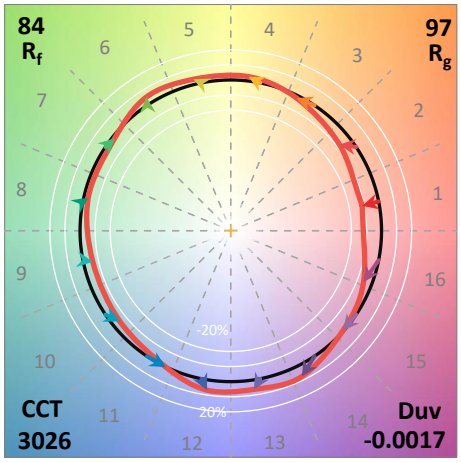
Spectral Power Distribution Comparison

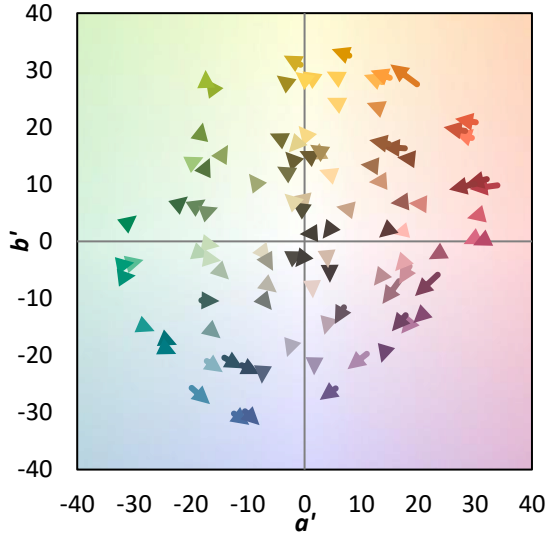


Color Vector Graphics







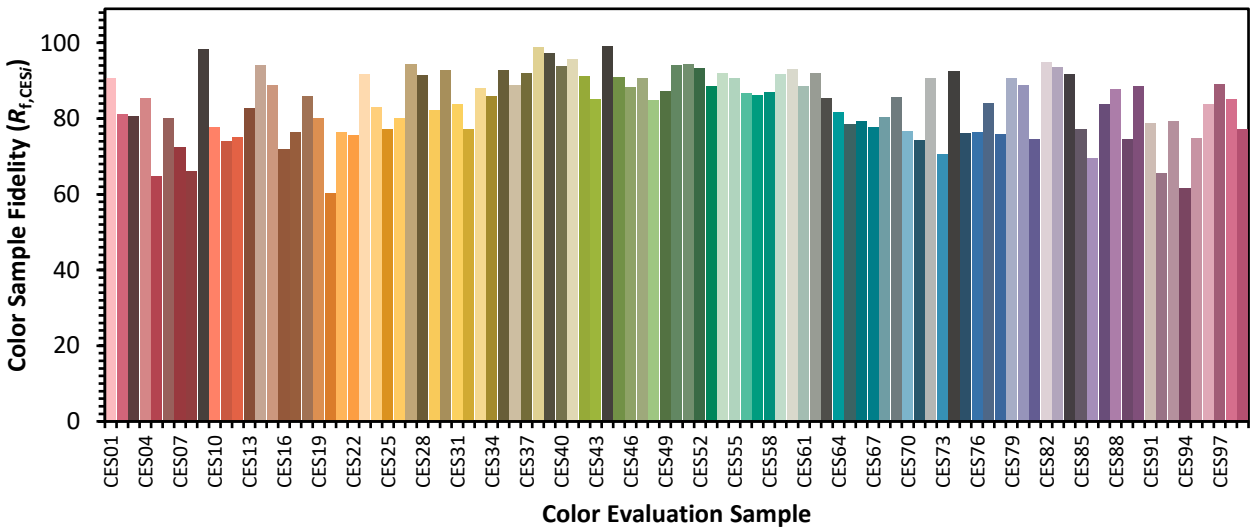


REPORT NUMBER: SP1-2601-659-1

TM-30-18

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

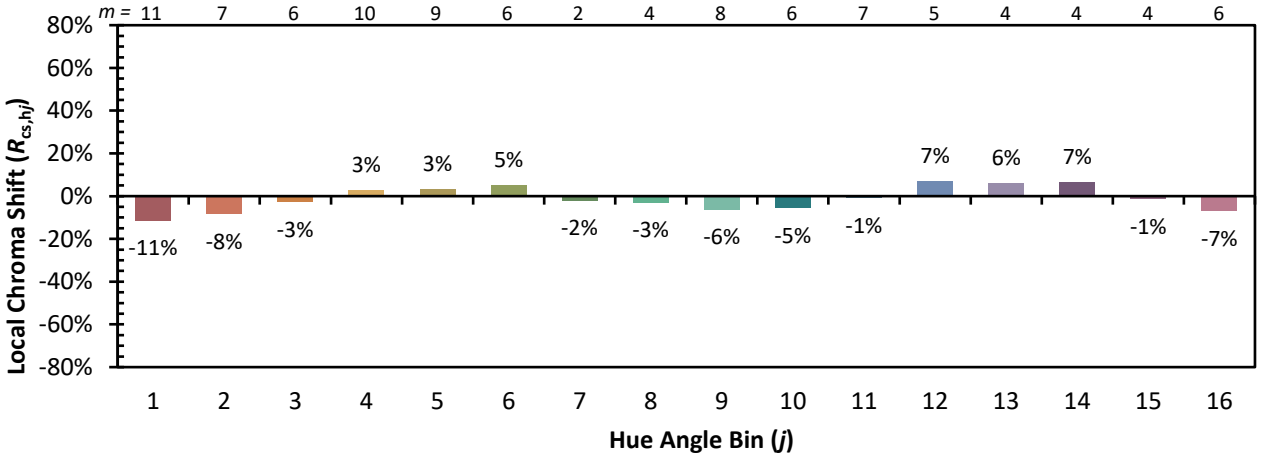
CES01 = 86	CES26 = 80	CES51 = 94	CES76 = 76
CES02 = 63	CES27 = 94	CES52 = 93	CES77 = 84
CES03 = 31	CES28 = 92	CES53 = 88	CES78 = 76
CES04 = 70	CES29 = 82	CES54 = 92	CES79 = 91
CES05 = 50	CES30 = 93	CES55 = 91	CES80 = 89
CES06 = 51	CES31 = 84	CES56 = 87	CES81 = 75
CES07 = 42	CES32 = 77	CES57 = 86	CES82 = 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	

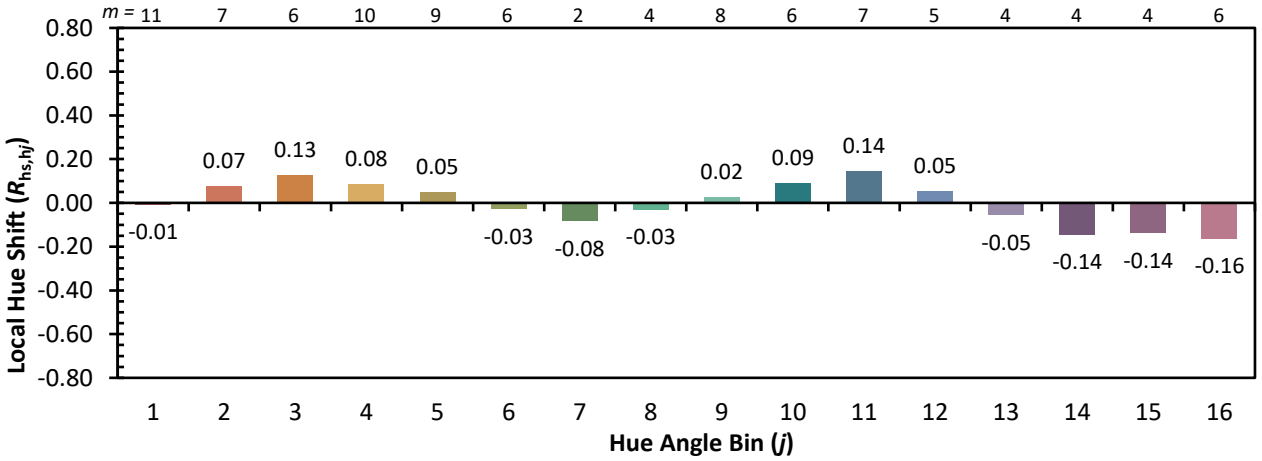


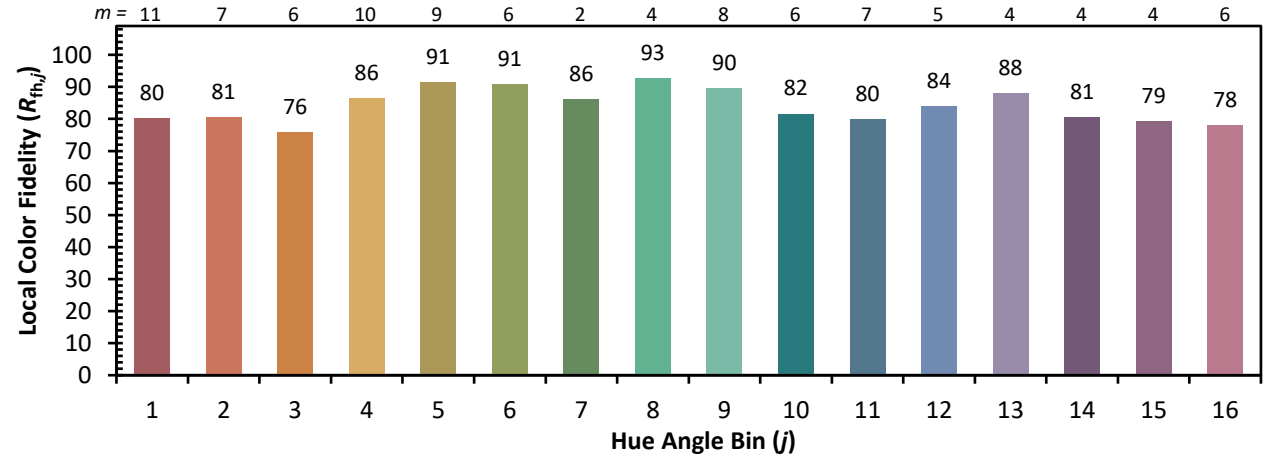
REPORT NUMBER: SP1-2601-659-1

TM-30-18

Color Rendition by Hue-Angle Bin



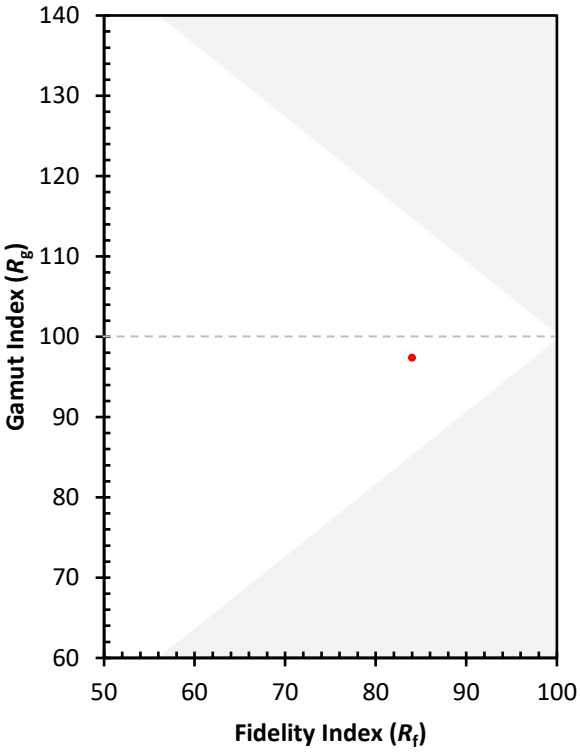


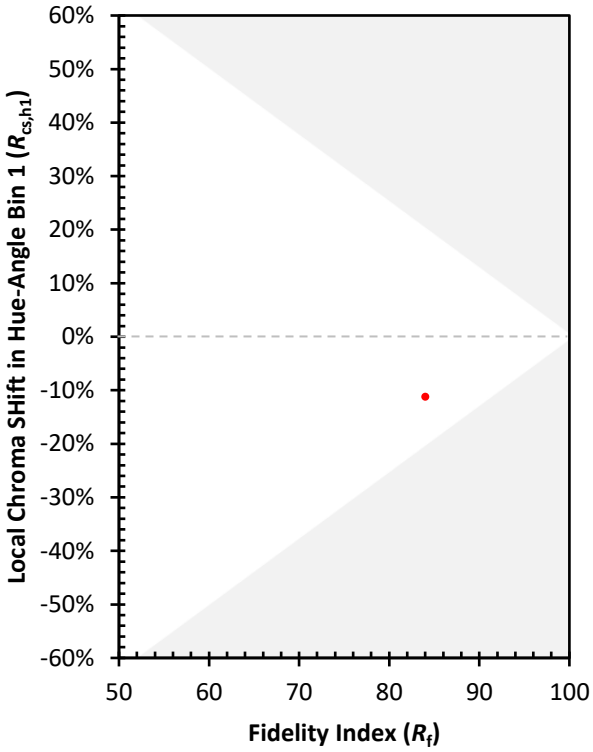


REPORT NUMBER: SP1-2601-659-1

TM-30-18

Measure Comparisons





(END OF REPORT)