

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: P1449818

Luminaire Tested: **TWC100_T2_40W_3000K**

Issue Date: 5/19/2026

Test Information

Test Method: LM-79-08
Report Number: P1449818
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_40W_3000K
Description: Tapered Wall Cutoff Wall Mount Luminaire at, T2 distribution, 40W
3000K settings
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12769 lumens
Efficiency: N/A
Efficacy: 162.2 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

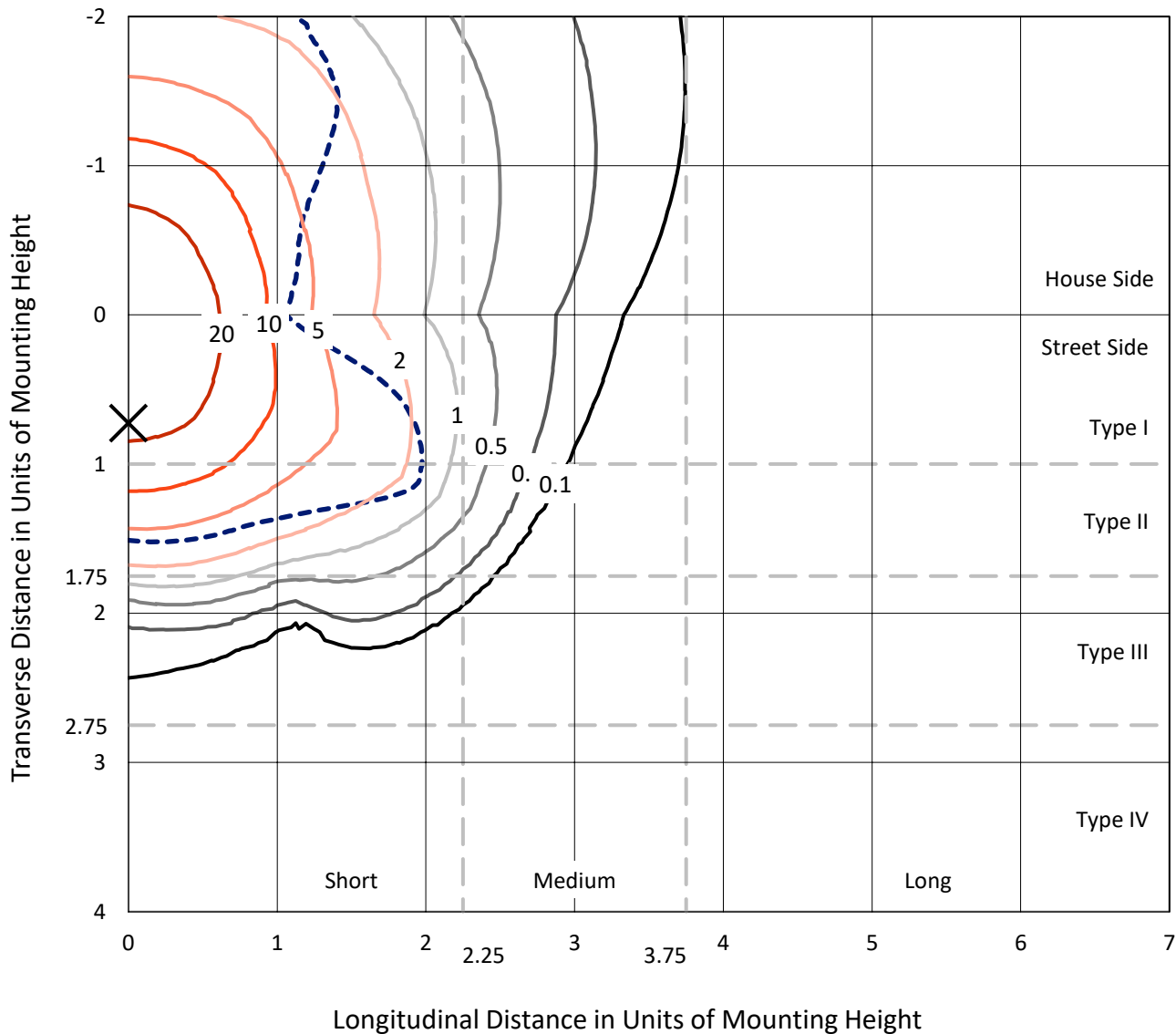
Input Watts (W): 78.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

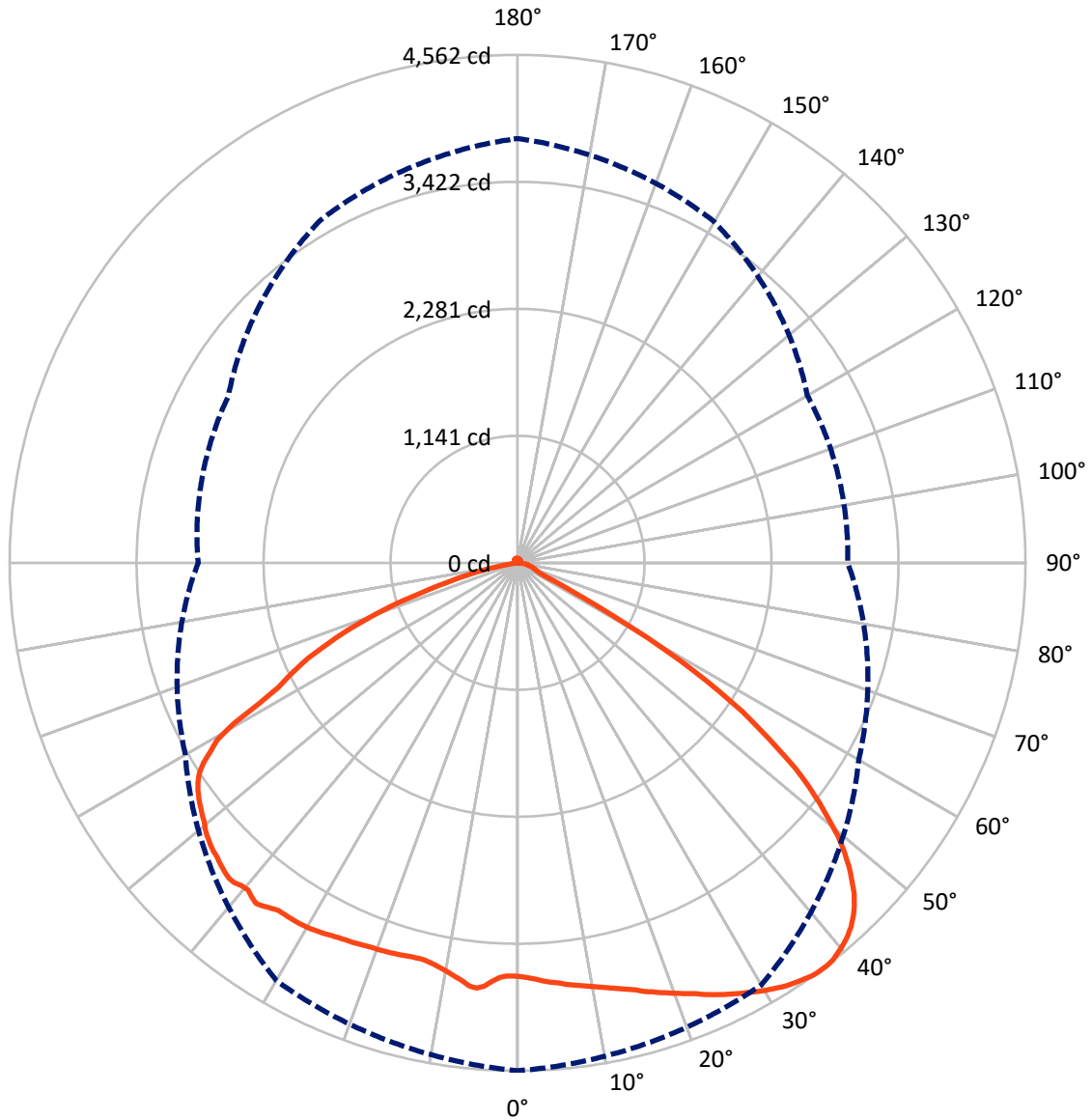
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 37.4 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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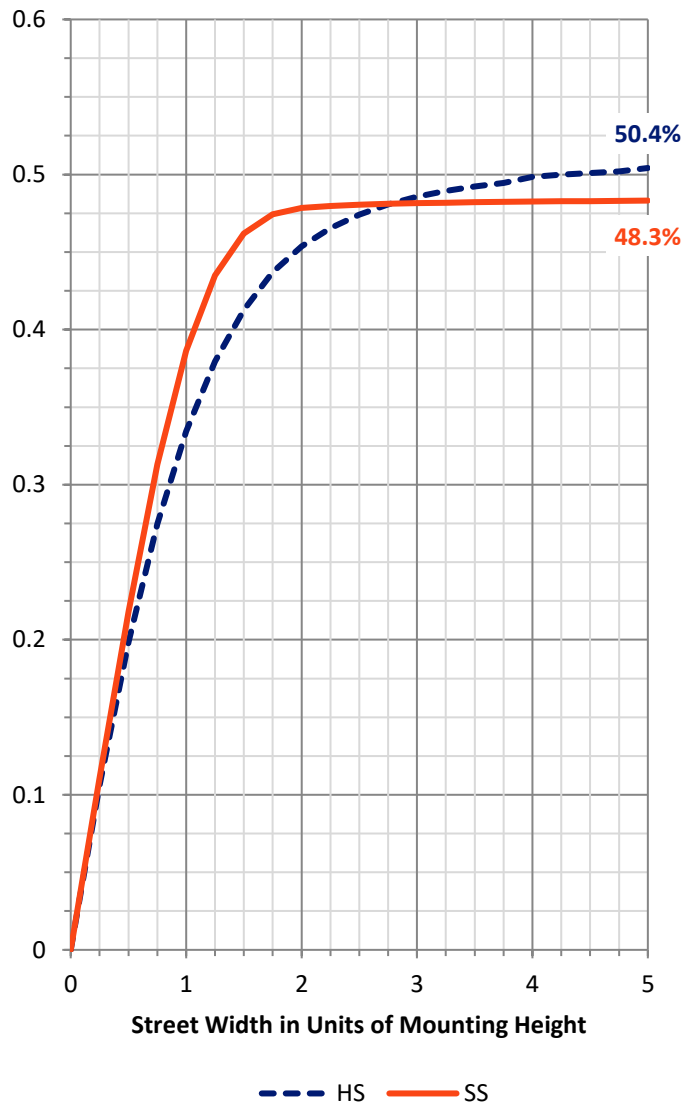
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6463.5	68.9	6532.3
	% Fixture	50.6	0.5	51.2
Street Side	Lumens	6167.8	68.9	6236.7
	% Fixture	48.3	0.5	48.8
Total	Lumens	12631.3	137.8	12769.0
	% Fixture	98.9	1.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.0	2.8
10°-20°	1053.6	8.3
20°-30°	1701.1	13.3
30°-40°	2254.6	17.7
40°-50°	2581.5	20.2
50°-60°	2447.7	19.2
60°-70°	1532.2	12.0
70°-80°	583.7	4.6
80°-90°	118.8	0.9
90°-100°	6.0	0.0
100°-110°	12.1	0.1
110°-120°	18.7	0.1
120°-130°	23.1	0.2
130°-140°	24.1	0.2
140°-150°	22.0	0.2
150°-160°	17.2	0.1
160°-170°	10.9	0.1
170°-180°	3.8	0.0
0°-90°	12631.3	98.9
0°-180°	12769.0	100.0

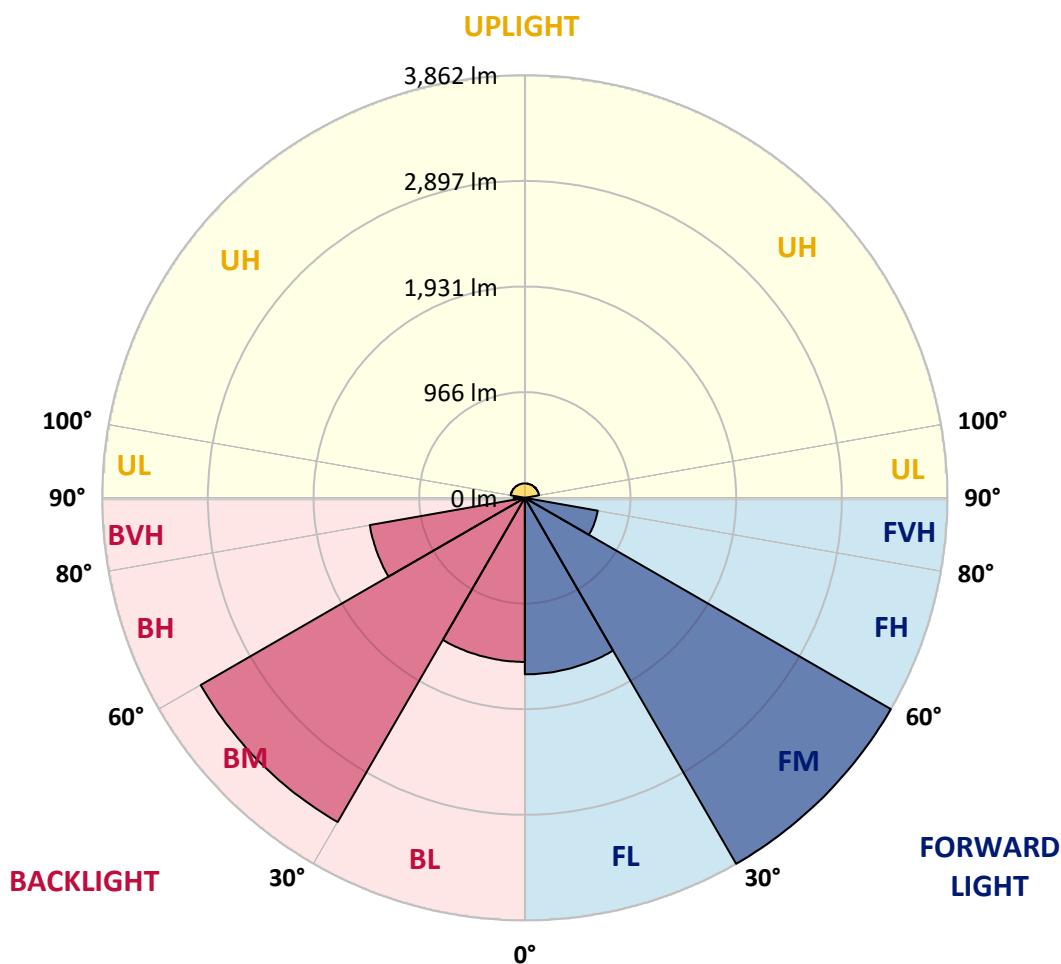


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 CATALOG NUMBER: TWC100_T2_40W_3000K

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1613.1	12.6			
FM (30°-60°)	3862.3	30.2			
FH (60°-80°)	676.6	5.3			G1/1800
FVH (80°-90°)	15.9	0.1			G1/100
BL (0°-30°)	1499.6	11.7	B3/2500		
BM (30°-60°)	3421.6	26.8	B3/5000		
BH (60°-80°)	1439.3	11.3	B3/2500		G3/2500
BVH (80°-90°)	102.9	0.8			G2/225
UL (90°-100°)	6.0	0.0		U1/10	
UH (100°-180°)	131.7	1.0		U3/500	

BUG Rating: B3-U3-G3
 Type II Short





REPORT NUMBER: P1449818

CATALOG NUMBER: TWC100_T2_40W_3000K

CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	3716.5	3716.5	3716.5	3716.5	3716.5	3716.5	3716.5	3716.5	3716.5	3716.5	3716.5
1°	3730.0	3728.4	3725.5	3715.3	3711.9	3706.3	3711.2	3708.2	3705.7	3713.1	3720.8
2°	3743.9	3741.2	3730.8	3719.2	3706.9	3696.3	3712.4	3702.8	3699.7	3709.1	3727.1
3°	3762.8	3756.0	3738.8	3717.5	3699.3	3694.6	3727.7	3710.6	3694.3	3707.6	3732.9
4°	3778.0	3769.7	3745.7	3713.6	3693.8	3701.7	3764.8	3730.1	3694.0	3702.0	3735.9
5°	3790.4	3780.4	3747.9	3708.7	3691.2	3721.9	3814.2	3775.1	3694.3	3693.8	3742.9
6°	3809.9	3789.9	3749.6	3694.6	3689.6	3767.2	3837.7	3813.2	3698.6	3684.5	3743.7
7°	3824.4	3801.1	3751.0	3687.7	3693.2	3805.5	3824.6	3828.2	3707.5	3674.7	3742.5
8°	3839.9	3811.9	3751.4	3679.2	3701.8	3820.7	3788.1	3815.1	3727.1	3664.2	3740.8
9°	3855.3	3827.4	3750.0	3671.5	3716.1	3801.8	3760.7	3772.2	3748.9	3652.5	3732.5
10°	3872.6	3838.3	3747.6	3660.1	3743.1	3766.2	3732.8	3743.0	3762.7	3633.2	3729.3
11°	3891.2	3850.0	3745.9	3646.3	3756.8	3736.0	3709.9	3714.2	3761.4	3617.6	3724.3
12°	3913.7	3863.9	3742.9	3629.8	3759.5	3708.1	3688.0	3690.2	3749.2	3602.5	3719.8
13°	3934.3	3874.7	3738.7	3613.6	3748.2	3683.1	3673.2	3663.1	3719.1	3585.5	3711.7
14°	3957.5	3889.3	3734.8	3597.9	3722.2	3657.2	3662.5	3639.0	3682.9	3571.2	3706.0
15°	3981.6	3905.1	3725.8	3575.2	3683.2	3633.4	3663.9	3625.3	3648.4	3551.9	3699.3
16°	4014.7	3922.5	3720.4	3557.1	3648.9	3617.5	3666.3	3617.5	3613.7	3531.2	3697.6
17°	4040.6	3946.9	3717.1	3537.0	3614.2	3609.3	3674.5	3611.8	3579.4	3510.4	3692.2
18°	4070.8	3965.2	3717.8	3516.0	3579.1	3603.1	3680.1	3607.6	3539.9	3483.5	3686.1
19°	4098.7	3985.4	3712.6	3497.7	3546.0	3599.1	3685.2	3604.4	3505.4	3461.7	3679.4
20°	4128.8	4008.3	3708.8	3475.5	3509.9	3588.4	3690.7	3597.5	3470.3	3440.7	3665.7
21°	4159.3	4029.9	3698.2	3455.4	3470.1	3583.2	3693.5	3594.5	3437.3	3420.8	3657.0
22°	4189.4	4053.3	3692.7	3433.3	3435.0	3580.5	3700.0	3591.5	3407.8	3401.3	3648.4
23°	4229.4	4076.5	3687.1	3406.1	3406.7	3580.7	3707.2	3589.2	3382.7	3383.9	3644.5
24°	4263.0	4099.4	3679.7	3386.0	3377.6	3579.1	3716.5	3590.1	3357.3	3367.3	3635.8
25°	4295.5	4123.9	3676.7	3368.4	3352.3	3576.0	3722.7	3589.0	3332.3	3355.2	3624.5
26°	4327.6	4148.1	3666.9	3355.5	3325.3	3573.9	3730.3	3587.1	3305.2	3343.6	3611.9
27°	4359.5	4180.2	3658.0	3342.2	3298.0	3568.4	3742.3	3582.8	3276.0	3327.9	3595.5
28°	4388.9	4204.5	3646.3	3329.0	3264.7	3564.3	3755.6	3578.8	3246.0	3297.2	3580.5
29°	4420.6	4229.1	3633.8	3311.2	3235.1	3560.3	3765.0	3574.4	3216.3	3269.1	3566.1
30°	4450.4	4250.9	3621.7	3284.7	3204.0	3555.5	3776.4	3574.0	3179.3	3232.5	3550.6
31°	4477.7	4270.1	3610.9	3252.7	3172.5	3551.7	3783.1	3568.4	3148.8	3181.8	3531.0
32°	4501.6	4293.4	3596.4	3215.1	3135.0	3547.2	3787.9	3567.5	3118.4	3121.7	3514.9
33°	4522.3	4315.9	3584.2	3164.2	3102.1	3544.7	3789.7	3565.3	3090.5	3058.7	3498.3
34°	4538.7	4338.6	3569.7	3092.0	3069.8	3541.8	3788.8	3563.3	3060.6	3001.0	3484.8
35°	4555.8	4361.7	3553.0	3028.7	3037.7	3542.2	3789.8	3559.5	3030.5	2942.4	3466.4
36°	4562.2	4377.8	3538.2	2964.4	3005.9	3535.3	3810.9	3549.3	2999.0	2869.0	3446.1
37°	4561.6	4390.7	3522.8	2898.7	2974.4	3525.2	3836.0	3539.8	2961.2	2805.3	3426.5
38°	4553.7	4399.6	3506.1	2832.7	2941.5	3513.1	3857.2	3538.2	2928.5	2740.4	3398.8
39°	4530.7	4404.6	3490.3	2766.3	2908.1	3505.8	3835.9	3545.7	2892.3	2674.1	3382.5
40°	4506.6	4402.5	3477.9	2700.4	2865.3	3517.1	3806.2	3561.1	2853.1	2604.9	3366.2
41°	4474.4	4394.1	3464.9	2635.8	2829.3	3532.5	3815.2	3548.3	2813.5	2544.4	3352.5
42°	4433.7	4379.0	3456.7	2563.0	2790.6	3521.3	3837.4	3503.1	2776.2	2486.2	3344.2
43°	4379.5	4349.6	3450.2	2501.1	2750.8	3475.8	3840.2	3493.8	2734.8	2425.1	3333.5
44°	4315.6	4316.0	3445.3	2442.0	2705.7	3465.5	3825.2	3503.2	2689.4	2365.8	3324.8



REPORT NUMBER: P1449818

CATALOG NUMBER: TWC100_T2_40W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	4238.8	4273.5	3444.6	2382.3	2661.0	3475.9	3802.7	3500.5	2642.6	2305.7	3319.7
46°	4138.7	4219.4	3445.2	2318.7	2609.3	3473.9	3780.6	3480.4	2605.1	2241.8	3317.5
47°	4035.4	4154.8	3445.9	2254.6	2566.6	3455.6	3764.3	3459.8	2583.4	2168.5	3314.9
48°	3917.3	4074.7	3449.3	2188.8	2543.6	3434.7	3742.0	3439.3	2557.4	2103.8	3312.6
49°	3785.4	3981.6	3452.2	2122.1	2519.8	3413.6	3717.5	3418.6	2477.2	2038.7	3314.4
50°	3623.5	3875.5	3455.6	2049.6	2453.3	3393.1	3688.4	3389.6	2420.2	1972.6	3310.7
51°	3466.8	3735.1	3460.7	1984.0	2381.7	3364.8	3649.4	3357.9	2388.2	1905.9	3311.9
52°	3295.0	3596.2	3462.7	1915.9	2349.9	3335.5	3620.6	3326.3	2345.3	1836.2	3314.2
53°	3101.4	3441.6	3465.1	1840.7	2310.2	3303.0	3591.0	3292.6	2300.5	1769.1	3316.3
54°	2870.1	3259.0	3464.2	1772.8	2263.7	3268.7	3559.8	3259.3	2251.8	1700.9	3320.4
55°	2646.5	3074.9	3462.6	1704.0	2212.3	3236.2	3526.2	3229.3	2202.0	1630.8	3319.1
56°	2416.4	2866.1	3457.7	1635.3	2161.0	3206.8	3483.3	3200.2	2151.7	1549.8	3314.6
57°	2139.1	2612.9	3444.4	1560.2	2105.7	3174.0	3428.6	3171.3	2089.1	1477.7	3305.4
58°	1855.3	2365.9	3425.0	1487.9	2040.3	3144.9	3345.6	3130.6	2029.5	1406.3	3285.2
59°	1536.3	2113.6	3388.4	1415.8	1977.8	3112.2	3230.7	3090.5	1970.9	1327.2	3259.2
60°	1156.9	1849.1	3341.7	1334.7	1917.8	3073.0	3128.8	3043.2	1915.4	1255.3	3219.9
61°	816.8	1528.1	3274.7	1264.9	1852.9	3023.1	2925.5	2971.3	1859.0	1183.2	3165.2
62°	544.6	1206.5	3184.1	1194.8	1798.3	2956.5	2626.1	2866.6	1809.7	1110.4	3078.0
63°	358.8	862.6	3040.0	1122.6	1742.7	2868.5	2423.8	2772.6	1759.5	1039.2	2962.5
64°	248.0	552.2	2863.1	1044.2	1688.3	2769.0	2307.8	2569.7	1710.6	981.9	2802.0
65°	214.3	315.9	2636.8	982.5	1633.4	2539.1	2191.8	2348.5	1660.1	909.0	2583.8
66°	199.7	199.3	2356.4	917.3	1582.3	2330.1	2066.5	2227.4	1611.6	839.8	2275.2
67°	188.3	156.7	1992.6	830.4	1530.4	2226.7	1911.4	2145.3	1558.9	773.8	1935.6
68°	176.7	140.9	1612.4	755.4	1475.7	2138.7	1767.3	2064.6	1496.6	700.8	1563.1
69°	165.7	129.4	1205.9	685.2	1412.4	2059.3	1619.0	1958.4	1434.3	632.3	1114.8
70°	156.7	117.8	810.9	620.5	1351.8	1965.4	1448.5	1857.7	1368.9	566.6	738.9
71°	150.6	108.6	509.8	551.0	1285.9	1868.2	1290.2	1759.1	1296.2	498.6	452.5
72°	142.2	102.1	286.0	490.2	1207.8	1765.3	1124.7	1657.1	1187.2	439.4	261.6
73°	134.0	96.0	165.5	433.3	1102.7	1664.8	940.8	1540.2	1087.9	384.2	154.6
74°	122.7	88.2	126.9	381.3	1002.6	1559.5	788.6	1425.5	1028.0	329.8	126.3
75°	114.4	79.1	108.8	328.4	943.6	1450.4	654.0	1290.9	965.3	285.9	109.3
76°	105.3	69.7	97.2	284.7	884.0	1309.9	538.8	1135.9	902.8	245.8	98.7
77°	98.9	63.0	90.3	247.8	822.6	1161.2	433.9	973.9	845.3	210.3	91.9
78°	92.4	57.0	86.0	214.6	768.3	1010.2	350.4	838.8	791.6	175.5	89.3
79°	86.9	52.4	79.6	182.9	717.2	869.6	262.7	720.7	734.9	146.9	83.6
80°	81.1	47.9	67.5	155.8	659.9	736.8	145.9	612.1	681.4	119.9	69.4
81°	73.9	44.1	53.4	125.9	606.2	626.5	58.7	498.7	628.3	94.4	55.0
82°	66.2	39.9	42.2	93.4	553.0	519.1	42.0	382.1	576.4	70.0	42.2
83°	46.9	33.0	32.8	70.0	497.3	369.6	33.9	218.4	510.2	52.1	32.2
84°	33.4	27.2	27.2	51.1	431.5	188.8	24.8	79.0	442.1	37.8	26.5
85°	26.3	21.2	22.5	36.4	368.6	56.8	18.1	25.8	368.9	26.7	21.7
86°	19.6	16.2	18.5	23.8	298.6	20.8	10.8	16.0	302.6	17.9	17.9
87°	11.6	11.5	14.0	15.0	229.0	11.5	6.1	9.2	212.1	11.8	13.5
88°	5.7	6.5	8.4	7.7	120.7	5.4	3.4	4.3	89.0	7.4	8.6
89°	2.7	3.8	3.8	3.0	18.2	1.9	1.7	2.0	5.7	5.0	6.3



REPORT NUMBER: P1449818
 CATALOG NUMBER: TWC100_T2_40W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	2.3	3.5	3.1	2.1	1.7	0.0	1.6	2.0	5.1	4.7	6.8
91°	2.7	4.0	3.5	2.0	1.8	0.0	1.9	2.1	5.7	5.1	7.2
92°	3.0	4.3	3.6	2.3	2.1	0.0	2.0	2.4	6.2	5.4	7.6
93°	3.6	5.0	4.2	2.4	2.4	0.0	2.3	2.7	6.8	5.9	8.2
94°	3.9	5.3	4.3	2.7	2.9	0.0	2.7	3.3	7.2	6.6	8.7
95°	4.4	5.8	4.9	2.9	3.4	1.2	3.1	3.8	7.8	7.0	9.3
96°	5.0	6.3	5.2	3.2	3.6	1.2	3.4	4.2	8.6	7.3	9.8
97°	5.5	6.9	5.6	3.5	3.8	1.3	3.7	4.9	9.3	7.9	10.4
98°	6.1	7.6	5.9	3.9	4.4	1.6	4.4	5.6	9.8	8.5	11.1
99°	6.8	8.1	6.3	4.4	4.9	1.6	5.1	6.2	10.6	9.0	11.5
100°	7.4	9.0	6.6	4.8	5.4	2.1	5.5	7.1	11.3	9.7	12.2
101°	8.0	9.6	7.2	5.2	5.6	2.5	6.3	7.7	12.0	10.3	12.6
102°	8.9	10.3	7.7	5.6	6.2	2.7	7.0	8.5	12.8	11.1	13.2
103°	9.7	10.9	8.0	6.0	6.8	3.3	7.7	9.6	13.7	11.5	14.0
104°	10.6	11.5	8.5	6.6	7.5	3.7	8.7	10.5	14.5	12.3	14.5
105°	11.5	12.0	9.0	7.0	8.0	4.2	9.5	11.3	15.2	12.8	15.0
106°	12.3	12.8	9.5	7.6	8.7	5.0	10.4	12.4	16.3	13.6	15.5
107°	12.9	13.5	10.0	7.9	9.3	5.5	11.5	13.3	16.9	14.3	16.2
108°	13.7	14.2	10.6	8.6	9.9	6.1	12.6	14.6	17.9	14.9	16.9
109°	14.7	14.8	11.2	9.2	10.8	6.9	13.4	15.4	18.7	15.7	17.4
110°	15.2	15.5	11.5	9.8	11.3	7.7	14.7	16.6	19.8	16.4	18.0
111°	16.3	16.3	12.2	10.4	12.2	8.5	15.8	17.8	20.3	17.0	18.5
112°	17.0	17.0	12.7	10.9	12.6	9.4	16.9	18.9	21.1	17.8	19.0
113°	18.0	17.8	13.2	11.5	13.4	10.2	18.1	19.8	21.9	18.4	19.8
114°	18.8	18.5	13.8	12.3	13.8	11.1	19.2	21.2	22.5	19.1	20.1
115°	19.6	19.1	14.2	12.8	14.4	12.2	20.4	22.4	23.2	19.9	20.7
116°	20.3	19.7	14.8	13.3	14.8	13.1	21.7	23.6	23.9	20.6	21.4
117°	21.1	20.4	15.3	14.0	15.8	14.1	22.7	24.5	24.5	21.4	22.0
118°	22.0	21.1	15.9	14.7	16.1	15.0	24.2	25.8	25.4	22.0	22.5
119°	22.5	21.8	16.4	15.2	16.8	16.0	25.4	26.6	25.9	22.8	23.2
120°	23.5	22.3	17.1	15.8	17.5	17.0	26.5	27.6	26.4	23.5	23.5
121°	24.1	22.8	17.7	16.6	18.0	18.0	27.8	28.5	27.1	24.0	24.0
122°	24.8	23.5	18.3	17.0	18.7	18.7	28.9	29.6	27.4	24.7	24.4
123°	25.4	24.1	18.7	17.9	19.3	19.8	29.9	30.6	28.1	25.4	25.0
124°	26.0	24.5	19.2	18.3	20.0	20.5	30.9	31.2	28.8	26.0	25.2
125°	26.6	25.2	19.8	18.9	20.5	21.2	31.9	32.1	29.4	26.5	26.0
126°	27.3	25.8	20.1	19.8	21.4	22.2	32.7	32.9	30.1	27.0	26.2
127°	27.9	26.3	20.7	20.3	22.1	22.9	33.4	33.4	30.5	27.6	26.9
128°	28.2	26.9	21.2	20.9	22.7	23.7	34.4	34.3	31.2	27.9	27.4
129°	29.0	27.3	21.5	21.5	23.5	24.2	35.0	34.9	31.9	28.3	27.7
130°	29.8	27.9	22.3	22.0	24.2	25.1	35.8	35.3	32.4	29.0	28.1
131°	30.6	28.2	22.5	22.5	25.2	25.7	36.5	35.8	32.8	29.6	28.4
132°	30.6	28.8	23.0	23.0	25.9	26.5	37.1	36.5	33.5	29.8	29.1
133°	31.1	29.2	23.8	23.5	26.5	27.2	37.7	37.0	34.0	30.2	29.2
134°	31.4	29.5	24.2	24.1	27.5	27.7	38.3	37.4	34.8	30.7	29.8



REPORT NUMBER: P1449818
 CATALOG NUMBER: TWC100_T2_40W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	31.8	30.1	24.6	24.4	28.2	28.5	38.9	37.6	35.1	31.0	30.2
136°	32.6	30.6	25.2	25.1	29.0	29.2	39.2	38.0	35.6	31.4	30.6
137°	32.8	30.5	25.6	25.5	29.9	30.0	39.5	38.5	35.9	31.8	30.6
138°	33.4	30.9	26.1	26.1	30.5	30.6	40.1	38.9	36.3	32.2	31.2
139°	33.6	31.3	26.4	26.5	31.1	31.2	40.0	39.1	36.6	32.6	31.5
140°	34.0	31.6	26.9	27.0	31.7	32.0	40.6	39.5	37.0	32.9	31.9
141°	34.3	32.0	27.3	27.4	32.2	32.8	40.8	39.8	37.2	33.1	32.2
142°	34.9	32.2	27.6	27.9	32.9	33.7	41.2	39.9	37.6	33.7	32.8
143°	35.0	32.5	28.4	28.4	33.4	34.3	41.2	40.3	38.0	34.2	32.9
144°	35.1	32.8	28.4	28.9	33.9	35.2	41.7	40.5	38.2	34.6	33.4
145°	35.2	33.2	29.0	29.0	34.5	35.7	41.5	40.6	38.3	34.8	33.6
146°	35.5	33.1	29.4	29.5	34.7	36.4	41.8	40.8	38.6	35.2	33.9
147°	35.6	33.5	29.8	30.0	35.1	37.0	41.9	40.8	38.7	35.5	34.3
148°	35.7	33.7	30.2	30.3	35.4	37.5	41.9	41.1	39.0	35.5	34.7
149°	36.0	33.9	30.7	30.7	35.6	38.0	42.0	41.2	39.0	36.2	35.1
150°	35.9	34.0	31.0	31.3	35.9	38.4	41.8	41.2	39.3	36.4	35.1
151°	36.4	34.5	31.3	31.4	36.3	39.0	41.9	41.1	39.2	36.7	35.5
152°	36.5	34.4	31.6	32.0	36.5	39.3	41.9	41.2	39.4	37.0	35.7
153°	36.6	34.7	32.1	32.1	36.7	39.7	41.8	41.2	39.7	37.4	36.0
154°	36.6	34.7	32.4	32.9	36.9	39.7	41.5	41.2	39.7	37.3	36.3
155°	36.7	35.1	32.9	32.9	37.2	40.0	41.5	41.2	39.7	37.4	36.6
156°	36.8	35.1	33.1	33.6	37.3	40.2	41.4	41.0	39.5	37.7	36.8
157°	36.8	35.3	33.4	33.8	37.5	40.0	41.1	41.2	39.7	38.0	36.9
158°	37.2	35.2	33.9	34.2	37.8	40.4	41.0	40.7	39.7	38.4	37.1
159°	37.0	35.6	34.2	34.6	37.8	40.4	40.8	40.9	39.9	38.5	37.4
160°	37.1	35.7	34.6	35.3	38.1	40.5	40.6	40.7	39.9	38.5	37.6
161°	37.2	36.0	34.8	35.2	38.2	40.5	40.6	40.8	39.8	38.8	37.7
162°	37.2	36.2	35.1	35.5	38.4	40.7	40.6	40.7	39.8	38.8	37.8
163°	37.3	36.3	35.4	35.9	38.7	40.7	40.5	40.5	39.8	39.1	38.1
164°	37.5	36.4	35.8	36.5	38.8	40.7	40.3	40.5	39.9	39.1	38.1
165°	37.6	36.7	35.8	36.6	38.9	40.7	40.0	40.4	39.9	39.2	38.3
166°	37.7	36.8	36.2	36.8	39.0	40.7	39.9	40.2	40.0	39.2	38.4
167°	37.7	37.0	36.5	37.1	39.2	40.7	40.2	40.4	40.0	39.7	38.7
168°	37.8	37.0	36.8	37.4	39.2	40.7	40.1	40.4	39.9	39.7	38.8
169°	38.0	37.4	37.0	37.6	39.4	40.7	39.8	40.2	40.0	39.9	38.9
170°	38.1	37.5	37.4	38.2	39.7	40.6	39.8	39.9	40.1	39.8	39.0
171°	38.3	37.6	37.4	38.4	39.9	40.8	40.1	40.2	39.7	40.1	39.1
172°	38.5	37.7	38.1	38.6	39.8	40.6	40.0	40.0	40.0	40.1	39.5
173°	38.7	38.0	38.0	38.9	39.8	40.6	40.1	39.8	40.0	40.3	39.4
174°	38.9	38.2	38.5	39.1	39.8	40.5	40.1	40.0	39.8	40.4	39.7
175°	39.1	38.5	38.7	39.4	39.9	40.5	40.1	39.9	40.0	40.3	39.8
176°	39.5	38.7	38.9	39.3	40.0	40.5	40.2	40.1	39.9	40.5	39.8
177°	39.7	38.9	38.9	39.9	39.9	40.6	40.2	39.5	39.5	40.4	40.0
178°	39.7	39.1	39.1	39.8	40.0	40.5	39.9	39.8	39.7	40.4	39.9
179°	39.8	39.3	39.7	40.1	40.1	40.4	40.1	39.7	39.8	40.2	40.2



REPORT NUMBER: P1449818
CATALOG NUMBER: TWC100_T2_40W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9



REPORT NUMBER: P1449818
CATALOG NUMBER: TWC100_T2_40W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	3716.5	3716.5
1°	3729.7	3730.0
2°	3747.8	3743.9
3°	3758.9	3762.8
4°	3769.8	3778.0
5°	3776.8	3790.4
6°	3786.4	3809.9
7°	3796.5	3824.4
8°	3806.0	3839.9
9°	3819.3	3855.3
10°	3830.5	3872.6
11°	3842.4	3891.2
12°	3856.3	3913.7
13°	3867.5	3934.3
14°	3882.4	3957.5
15°	3897.2	3981.6
16°	3918.1	4014.7
17°	3936.2	4040.6
18°	3955.0	4070.8
19°	3973.6	4098.7
20°	3995.6	4128.8
21°	4016.5	4159.3
22°	4038.3	4189.4
23°	4061.3	4229.4
24°	4082.3	4263.0
25°	4106.8	4295.5
26°	4129.1	4327.6
27°	4155.4	4359.5
28°	4178.5	4388.9
29°	4201.4	4420.6
30°	4221.5	4450.4
31°	4240.5	4477.7
32°	4262.0	4501.6
33°	4282.6	4522.3
34°	4300.3	4538.7
35°	4320.1	4555.8
36°	4332.8	4562.2
37°	4341.4	4561.6
38°	4346.9	4553.7
39°	4345.6	4530.7
40°	4338.5	4506.6
41°	4328.5	4474.4
42°	4309.0	4433.7
43°	4276.2	4379.5
44°	4240.1	4315.6



REPORT NUMBER: P1449818
CATALOG NUMBER: TWC100_T2_40W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	4194.5	4238.8
46°	4136.7	4138.7
47°	4070.2	4035.4
48°	3988.3	3917.3
49°	3893.2	3785.4
50°	3767.5	3623.5
51°	3639.1	3466.8
52°	3495.0	3295.0
53°	3336.1	3101.4
54°	3147.2	2870.1
55°	2953.6	2646.5
56°	2734.5	2416.4
57°	2499.3	2139.1
58°	2227.2	1855.3
59°	1970.5	1536.3
60°	1692.3	1156.9
61°	1388.5	816.8
62°	1028.6	544.6
63°	698.1	358.8
64°	429.3	248.0
65°	256.1	214.3
66°	168.8	199.7
67°	145.6	188.3
68°	132.4	176.7
69°	119.4	165.7
70°	108.5	156.7
71°	101.2	150.6
72°	95.5	142.2
73°	88.1	134.0
74°	79.9	122.7
75°	71.3	114.4
76°	64.0	105.3
77°	57.7	98.9
78°	52.3	92.4
79°	48.8	86.9
80°	45.4	81.1
81°	41.8	73.9
82°	37.1	66.2
83°	31.0	46.9
84°	26.0	33.4
85°	19.9	26.3
86°	16.3	19.6
87°	12.5	11.6
88°	8.7	5.7
89°	8.0	2.7



REPORT NUMBER: P1449818
CATALOG NUMBER: TWC100_T2_40W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	8.7	2.3
91°	9.3	2.7
92°	10.2	3.0
93°	10.8	3.6
94°	11.6	3.9
95°	12.4	4.4
96°	13.1	5.0
97°	14.1	5.5
98°	14.8	6.1
99°	15.7	6.8
100°	16.6	7.4
101°	17.2	8.0
102°	18.0	8.9
103°	18.6	9.7
104°	19.7	10.6
105°	20.3	11.5
106°	21.0	12.3
107°	21.9	12.9
108°	22.6	13.7
109°	23.3	14.7
110°	23.9	15.2
111°	24.7	16.3
112°	25.4	17.0
113°	26.2	18.0
114°	26.7	18.8
115°	27.3	19.6
116°	27.9	20.3
117°	28.5	21.1
118°	29.0	22.0
119°	29.4	22.5
120°	29.9	23.5
121°	30.5	24.1
122°	30.5	24.8
123°	30.9	25.4
124°	31.4	26.0
125°	31.7	26.6
126°	31.9	27.3
127°	32.4	27.9
128°	32.7	28.2
129°	32.7	29.0
130°	33.2	29.8
131°	33.3	30.6
132°	33.4	30.6
133°	33.6	31.1
134°	34.0	31.4



REPORT NUMBER: P1449818
CATALOG NUMBER: TWC100_T2_40W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	34.2	31.8
136°	34.4	32.6
137°	34.6	32.8
138°	34.8	33.4
139°	35.1	33.6
140°	34.9	34.0
141°	35.0	34.3
142°	35.2	34.9
143°	35.5	35.0
144°	35.5	35.1
145°	35.6	35.2
146°	35.7	35.5
147°	36.2	35.6
148°	35.9	35.7
149°	36.0	36.0
150°	36.2	35.9
151°	36.5	36.4
152°	36.6	36.5
153°	36.8	36.6
154°	36.7	36.6
155°	36.7	36.7
156°	36.9	36.8
157°	37.1	36.8
158°	37.1	37.2
159°	37.2	37.0
160°	37.2	37.1
161°	37.3	37.2
162°	37.4	37.2
163°	37.4	37.3
164°	37.6	37.5
165°	37.8	37.6
166°	38.0	37.7
167°	38.2	37.7
168°	38.3	37.8
169°	38.4	38.0
170°	38.5	38.1
171°	38.8	38.3
172°	38.7	38.5
173°	39.1	38.7
174°	39.3	38.9
175°	39.4	39.1
176°	39.5	39.5
177°	39.5	39.7
178°	40.0	39.7
179°	40.1	39.8

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

Scaled Data Report



REPORT NUMBER: P1449818
CATALOG NUMBER: TWC100_T2_40W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	39.9	39.9

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

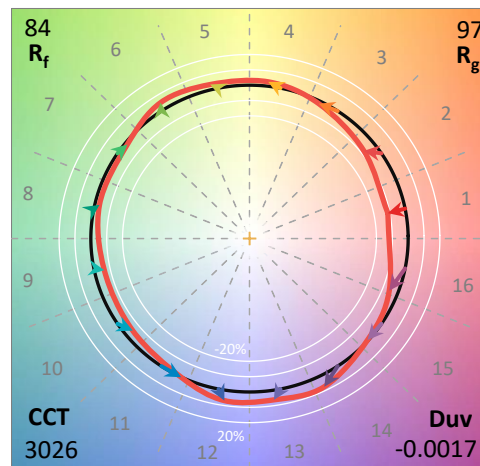
Test Information

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

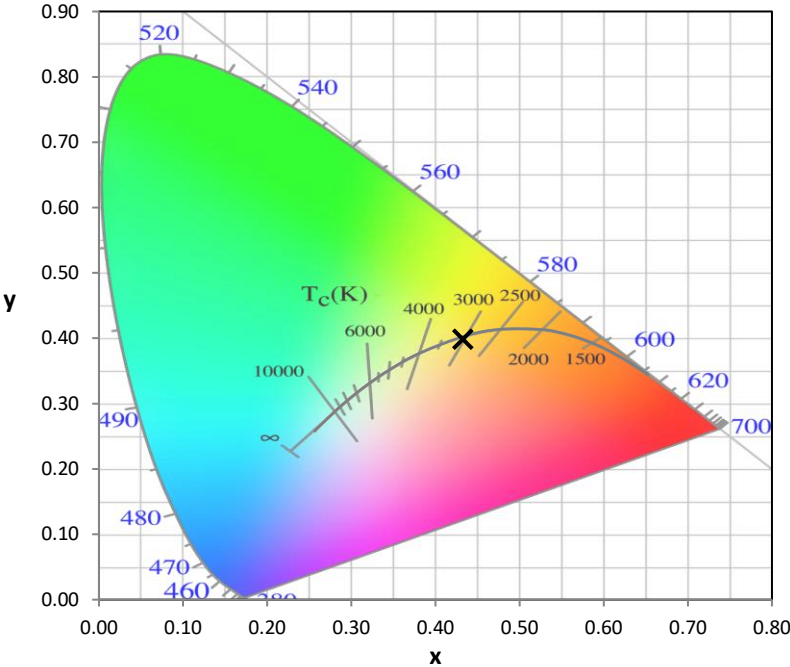
Stabilization Time: 64M
 Operation Time: 2H 4M
 Sphere Temperature (°C): 24.8

REPORT NUMBER: SP1-2601-659-1

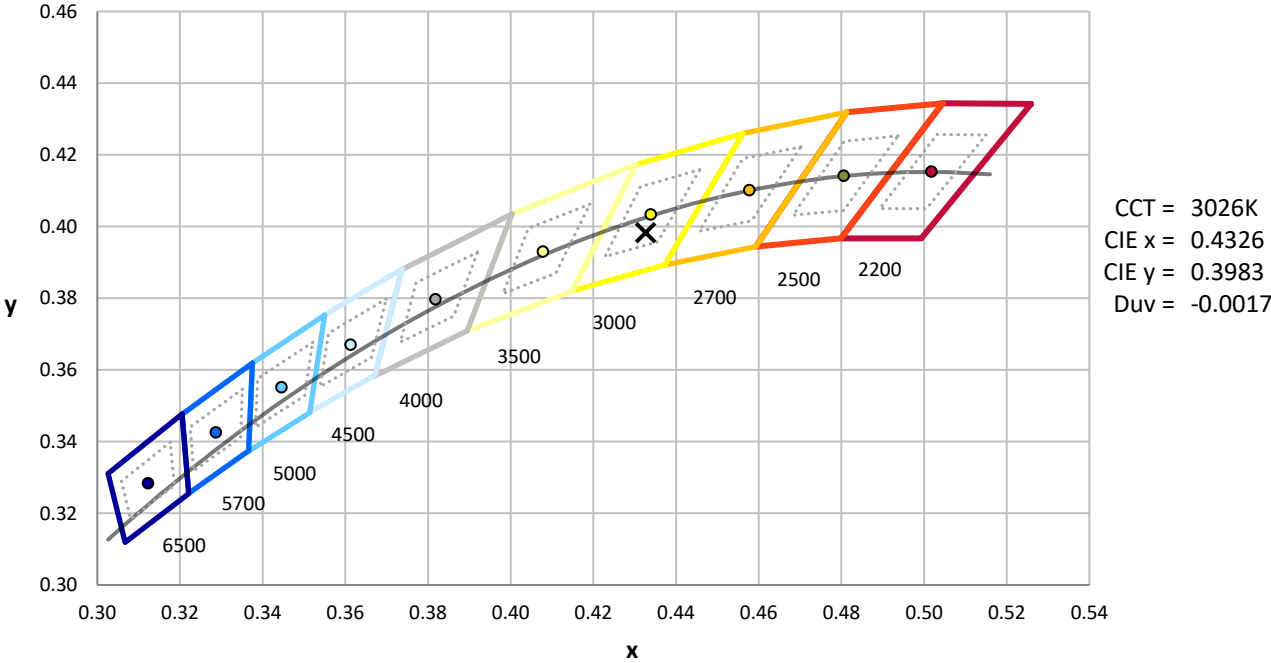
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

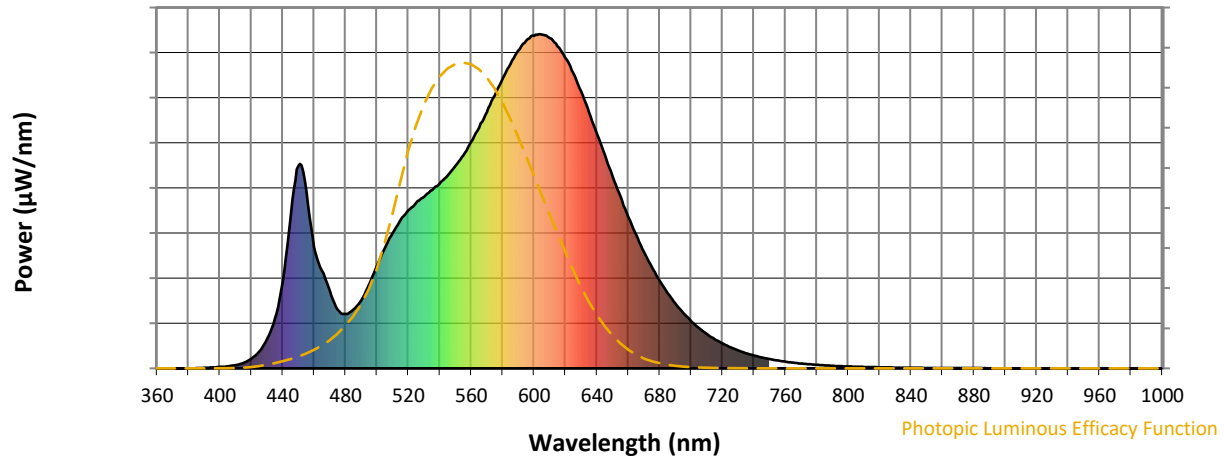


CCT = 3026K
 CIE x = 0.4326
 CIE y = 0.3983
 Duv = -0.0017

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2601-659-1

Photopic Flux vs. Wavelength

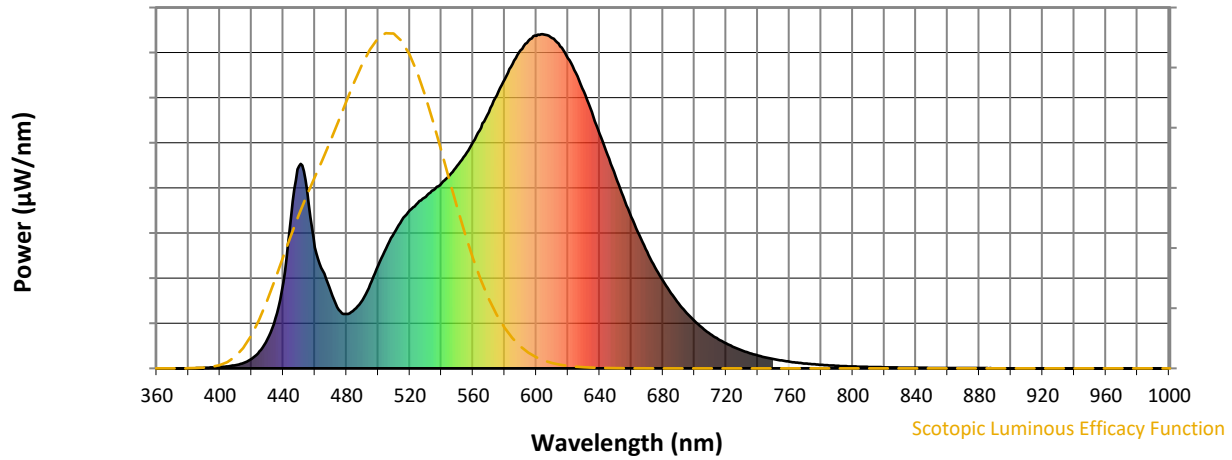


Photopic Lumens: NR

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



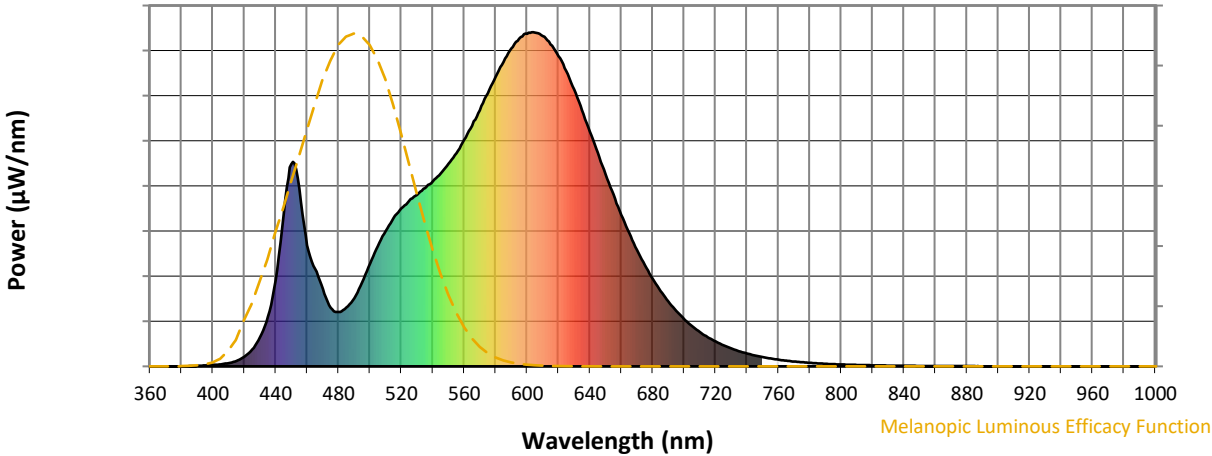
Scotopic Lumens: NR

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



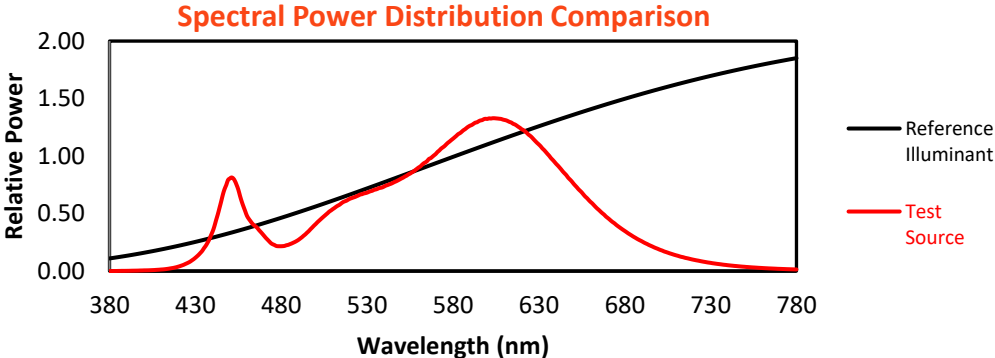
Melanopic Lumens: NR

M/P: 2.61

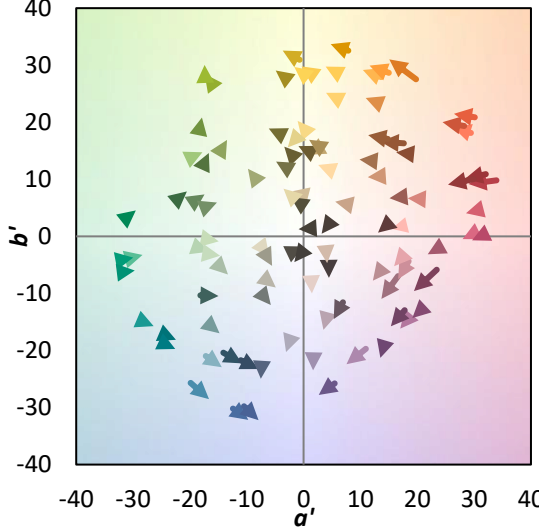
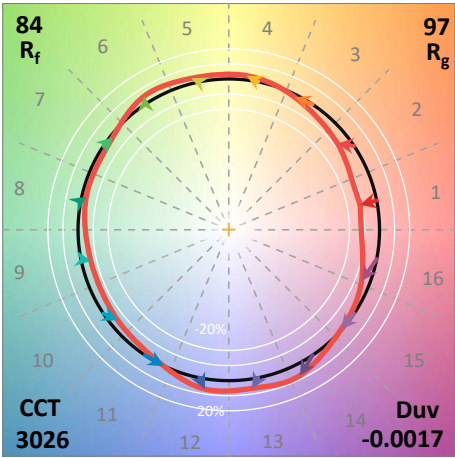
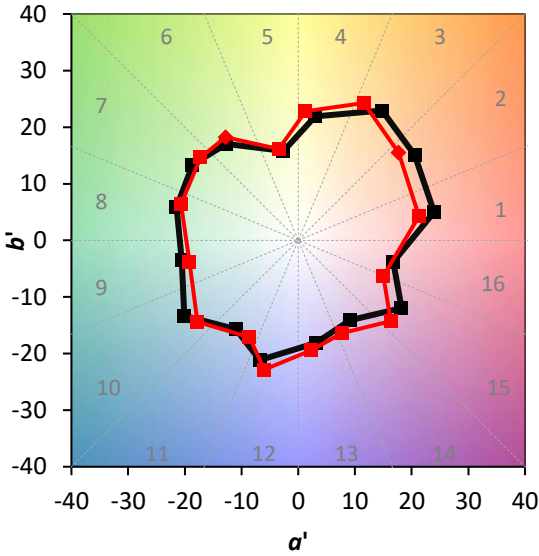
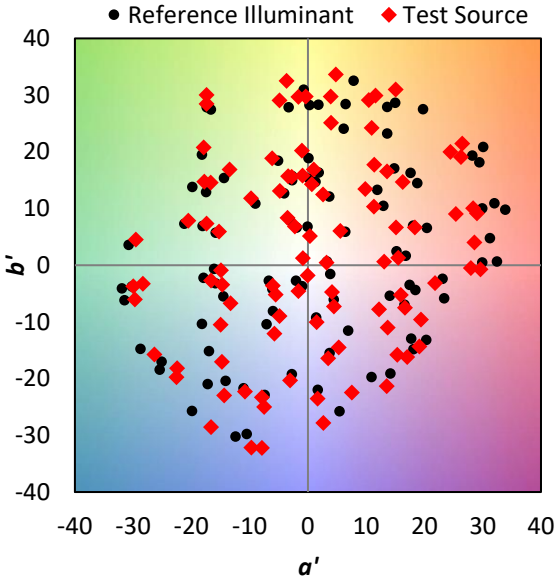
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	204	NR	620	928	NR	750	28	NR	880	1	NR
365	0	NR	495	251	NR	625	884	NR	755	24	NR	885	1	NR
370	0	NR	500	307	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			

Summary

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

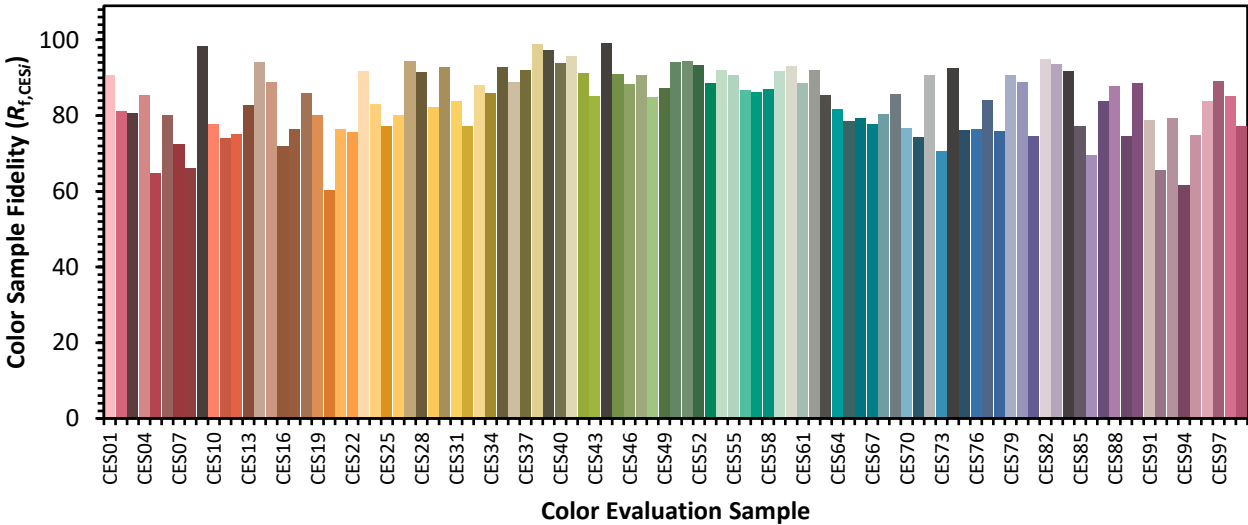


Color Vector Graphics

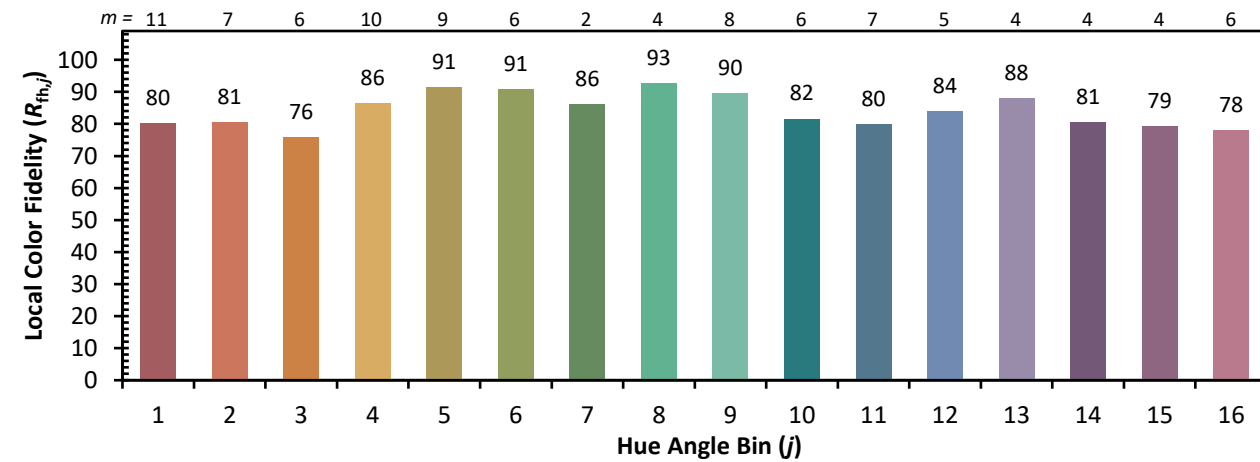
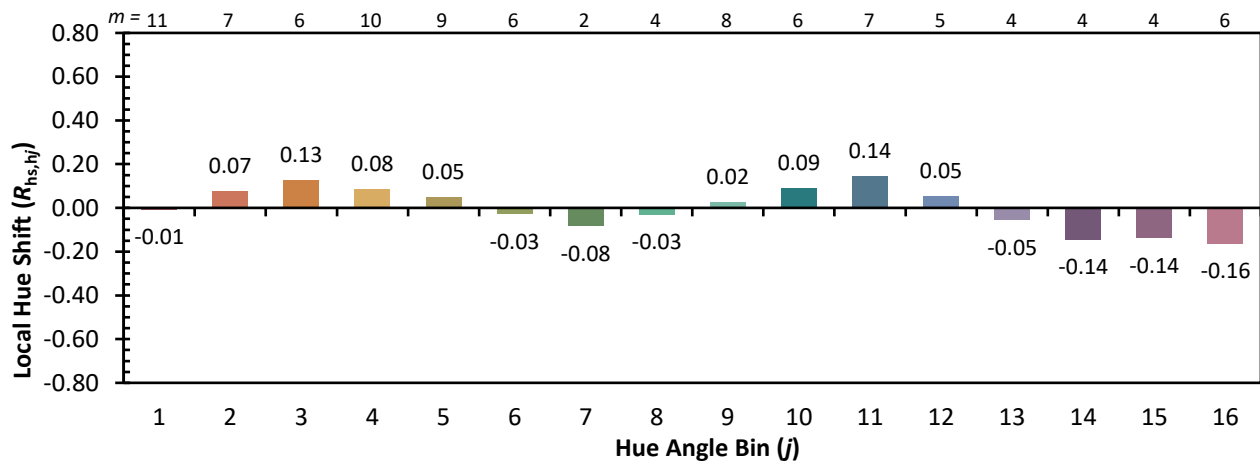
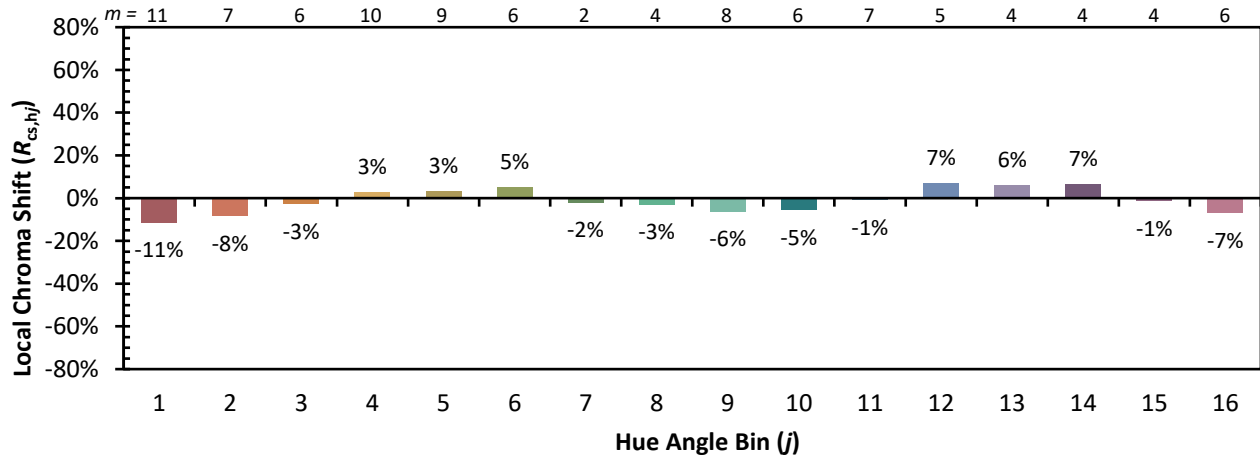


Individual Sample Fidelity Index ($R_{f,i}$)

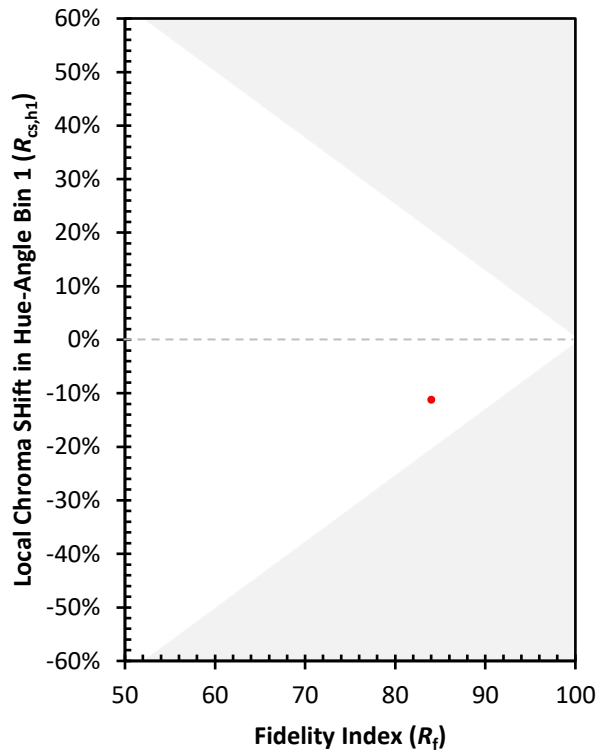
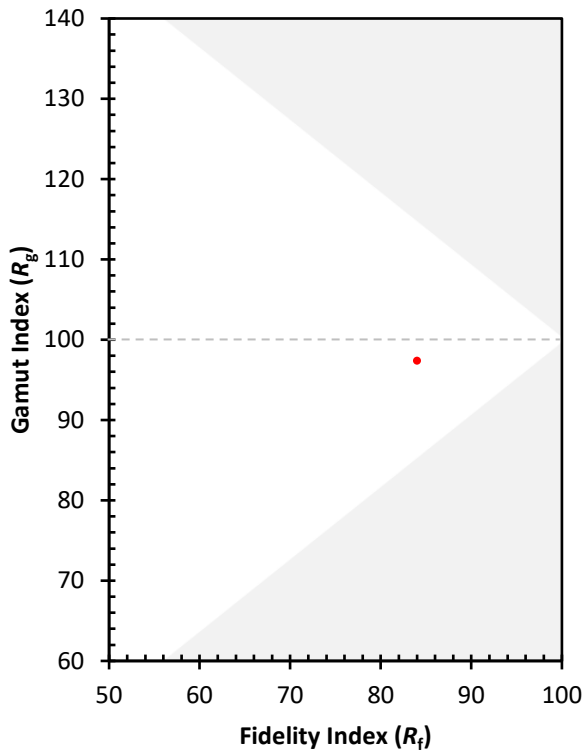
CES01 = 86	CES26 = 80	CES51 = 94	CES76 = 76
CES02 = 63	CES27 = 94	CES52 = 93	CES77 = 84
CES03 = 31	CES28 = 92	CES53 = 88	CES78 = 76
CES04 = 70	CES29 = 82	CES54 = 92	CES79 = 91
CES05 = 50	CES30 = 93	CES55 = 91	CES80 = 89
CES06 = 51	CES31 = 84	CES56 = 87	CES81 = 75
CES07 = 42	CES32 = 77	CES57 = 86	CES82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