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: P1449830

Luminaire Tested: **TWC100_T3_40W_3000K**

Issue Date: 5/19/2026

Report Generated By 670246072

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1449830
	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_40W_3000K
Description:	Tapered Wall Cutoff Wall Mount Luminaire at, T3 distribution, 40W 3000K settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12822 lumens
Efficiency:	N/A
Efficacy:	166.7 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):	76.9
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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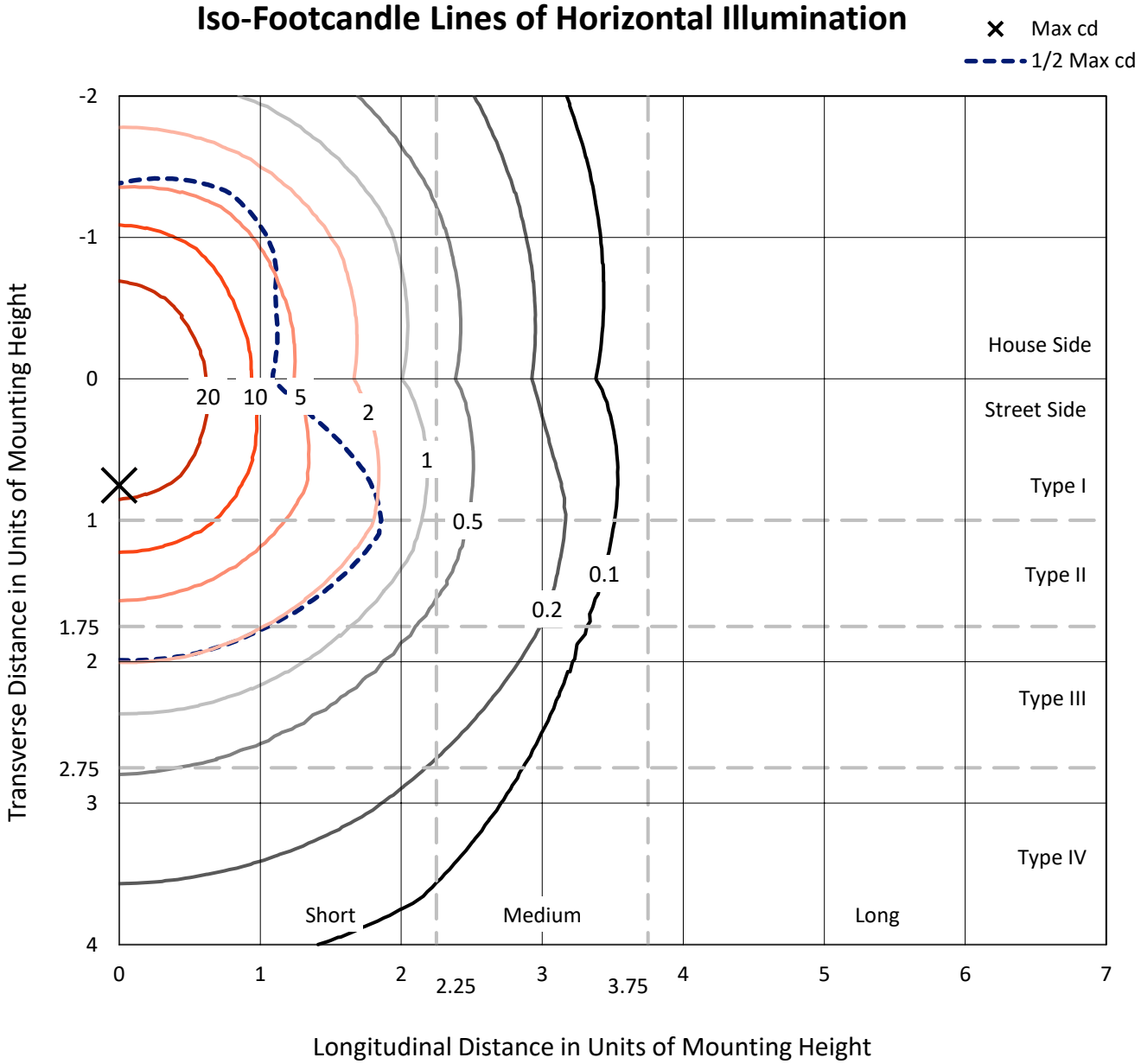
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 39.1 fc
Type III - Short - N/A

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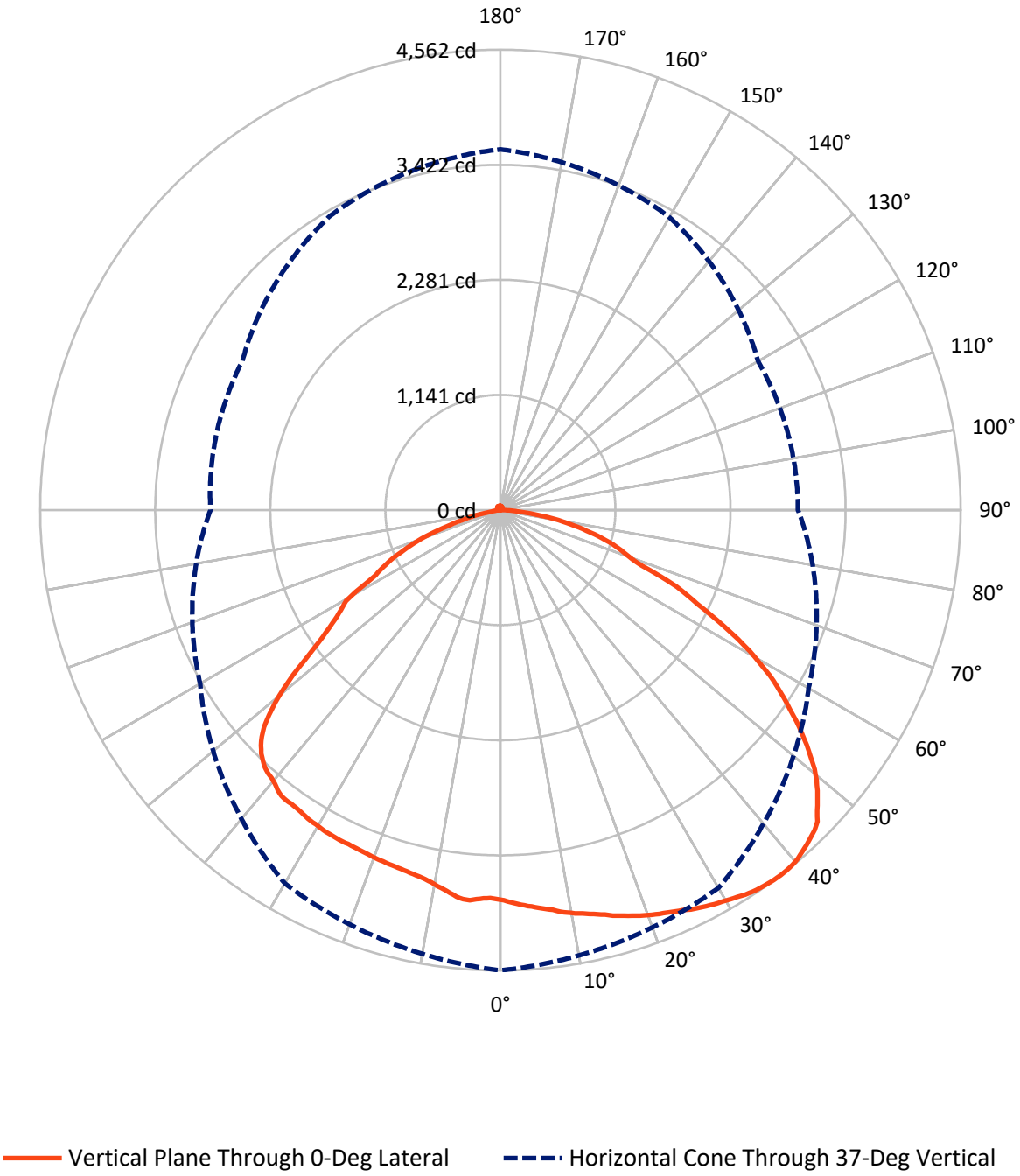
Luminous Intensity Polar Plot



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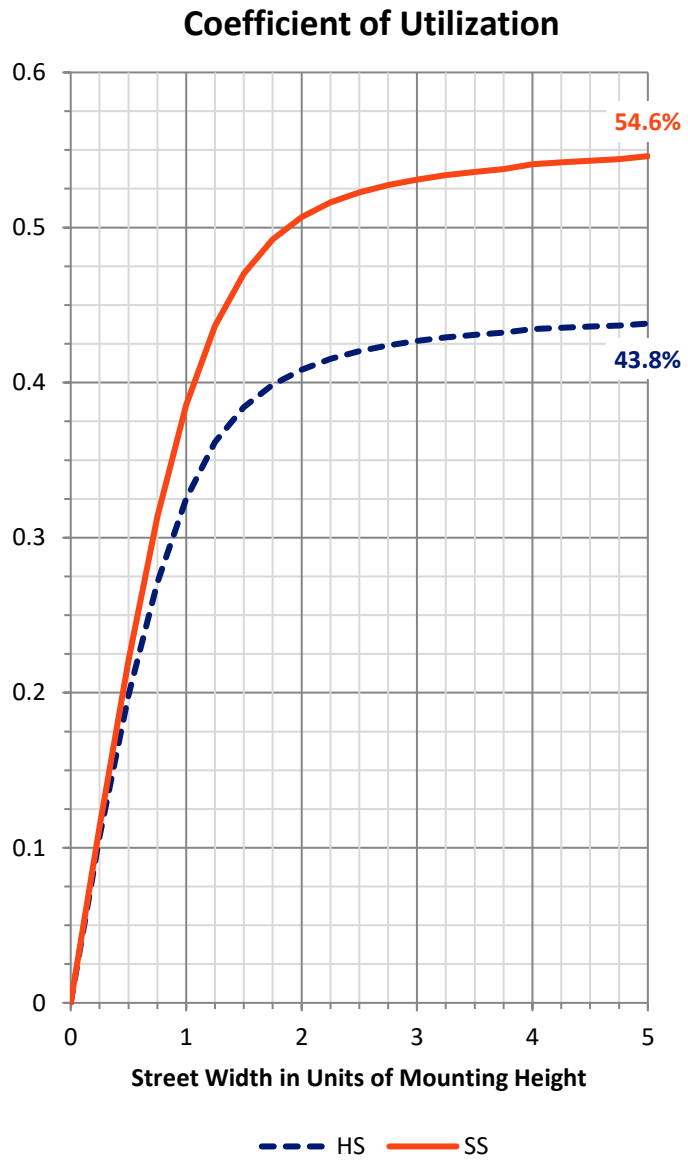
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5647.3	76.9	5724.2
	% Fixture	44.0	0.6	44.6
Street Side	Lumens	7036.5	61.3	7097.8
	% Fixture	54.9	0.5	55.4
Total	Lumens	12683.8	138.2	12822.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.3	2.9
10°-20°	1084.1	8.5
20°-30°	1721.5	13.4
30°-40°	2229.6	17.4
40°-50°	2506.7	19.5
50°-60°	2318.4	18.1
60°-70°	1586.3	12.4
70°-80°	707.3	5.5
80°-90°	159.7	1.2
90°-100°	6.7	0.1
100°-110°	12.5	0.1
110°-120°	18.6	0.1
120°-130°	22.7	0.2
130°-140°	23.7	0.2
140°-150°	21.8	0.2
150°-160°	17.3	0.1
160°-170°	11.1	0.1
170°-180°	3.8	0.0
0°-90°	12683.8	98.9
0°-180°	12822.0	100.0



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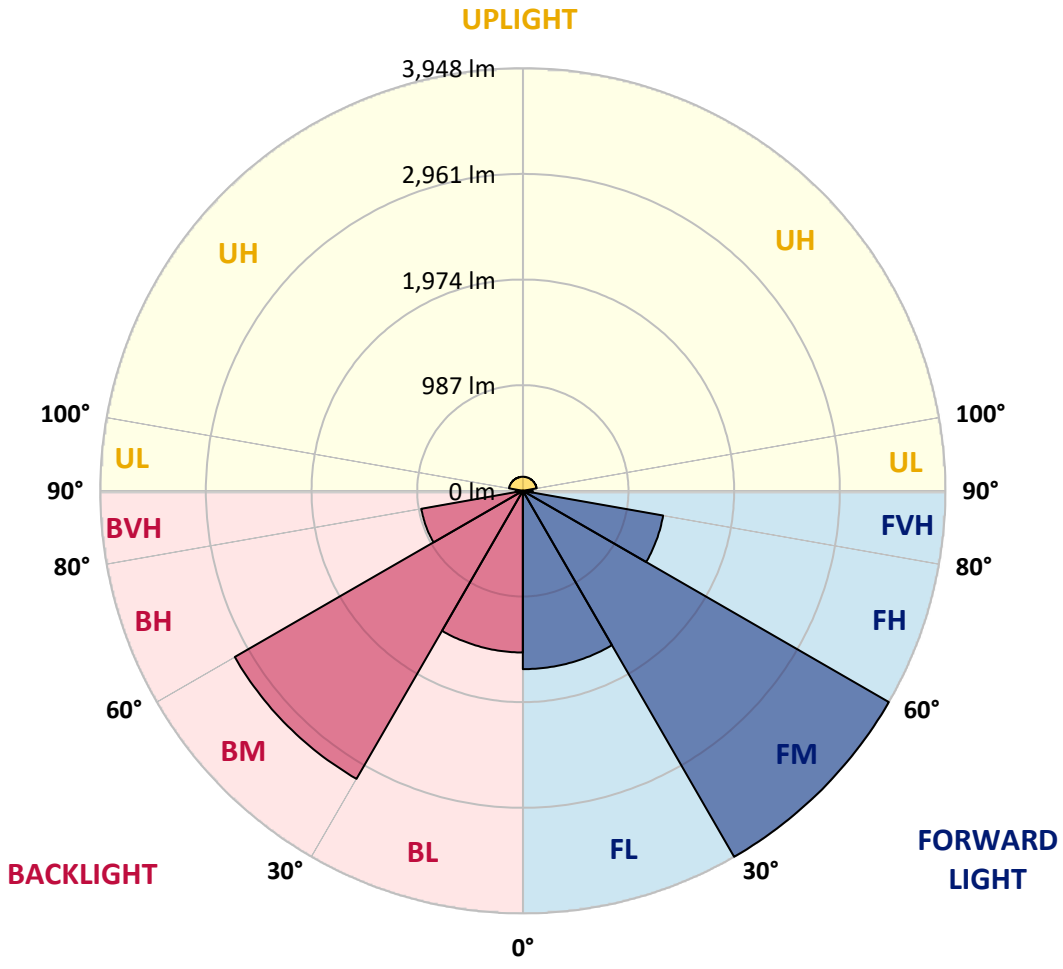
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1665.9	13.0			
FM	(30°-60°)	3947.8	30.8			
FH	(60°-80°)	1330.4	10.4			G1/1800
FVH	(80°-90°)	92.4	0.7			G1/100
BL	(0°-30°)	1509.9	11.8	B3/2500		
BM	(30°-60°)	3106.9	24.2	B3/5000		
BH	(60°-80°)	963.3	7.5	B2/1000		G2/1000
BVH	(80°-90°)	67.2	0.5			G1/100
UL	(90°-100°)	6.7	0.1		U1/10	
UH	(100°-180°)	131.5	1.0		U3/500	

BUG Rating: B3-U3-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	3868.3	3868.3	3868.3	3868.3	3868.3	3868.3	3868.3	3868.3	3868.3	3868.3	3868.3
1°	3887.4	3879.5	3876.4	3870.2	3856.2	3853.9	3854.6	3850.8	3856.9	3863.3	3879.7
2°	3905.5	3896.3	3884.2	3869.9	3847.1	3840.8	3846.9	3846.2	3846.1	3859.8	3887.6
3°	3925.4	3916.3	3890.5	3858.8	3837.1	3831.3	3851.4	3842.9	3837.6	3855.0	3894.0
4°	3941.4	3929.9	3896.2	3854.8	3826.6	3823.1	3864.3	3849.7	3829.7	3848.6	3893.5
5°	3960.6	3945.1	3902.9	3849.3	3823.1	3831.2	3879.6	3860.8	3819.0	3841.0	3896.0
6°	3979.4	3962.8	3904.8	3840.6	3815.6	3845.9	3874.7	3868.8	3817.5	3832.5	3898.1
7°	3996.3	3975.9	3913.9	3838.5	3810.7	3855.4	3855.1	3862.3	3818.6	3821.1	3899.5
8°	4024.7	3990.8	3915.9	3829.0	3812.5	3854.9	3827.0	3841.3	3821.4	3809.0	3901.4
9°	4044.5	4004.7	3916.4	3816.0	3813.3	3834.6	3799.9	3812.1	3832.0	3796.6	3900.2
10°	4064.3	4014.0	3907.9	3798.2	3816.7	3801.9	3779.6	3784.0	3827.8	3783.4	3897.6
11°	4079.6	4027.2	3906.4	3783.9	3809.5	3766.0	3751.8	3758.9	3816.1	3767.2	3896.6
12°	4099.2	4041.5	3905.5	3768.4	3799.9	3743.1	3734.0	3738.9	3787.7	3748.6	3892.2
13°	4119.6	4064.1	3902.0	3748.5	3782.6	3720.3	3718.8	3713.4	3756.0	3722.2	3887.2
14°	4141.1	4076.9	3902.9	3729.8	3753.7	3698.0	3708.6	3693.8	3718.9	3701.0	3881.4
15°	4169.8	4090.9	3897.6	3710.5	3719.6	3675.5	3700.0	3677.5	3684.7	3679.5	3869.4
16°	4191.1	4102.5	3893.8	3690.4	3684.1	3658.0	3691.0	3662.8	3651.1	3661.6	3862.8
17°	4215.7	4119.3	3889.1	3667.9	3650.3	3644.2	3683.3	3645.4	3619.6	3639.7	3855.0
18°	4239.2	4132.8	3881.2	3644.1	3608.3	3630.0	3677.8	3631.0	3589.8	3615.7	3851.4
19°	4261.5	4147.6	3872.7	3620.0	3575.7	3616.4	3672.0	3619.6	3556.2	3591.1	3840.7
20°	4281.2	4160.5	3864.6	3587.4	3542.2	3600.9	3666.3	3610.5	3525.8	3561.0	3829.1
21°	4301.0	4172.5	3847.8	3561.5	3508.7	3581.4	3660.2	3597.9	3493.8	3535.8	3816.5
22°	4317.9	4183.2	3836.4	3534.5	3477.6	3567.5	3651.0	3585.8	3464.5	3513.0	3794.4
23°	4338.1	4198.9	3822.5	3511.4	3445.7	3554.3	3646.4	3573.1	3428.6	3487.2	3778.2
24°	4357.3	4209.5	3809.3	3485.3	3415.0	3541.8	3642.7	3556.4	3401.0	3464.7	3760.9
25°	4385.3	4219.4	3799.8	3459.1	3382.2	3532.9	3637.8	3545.7	3369.1	3443.4	3744.2
26°	4405.8	4229.0	3783.5	3434.2	3350.8	3522.5	3639.3	3533.1	3339.9	3417.4	3723.6
27°	4424.1	4232.4	3766.4	3404.7	3318.3	3508.8	3635.0	3519.9	3308.3	3388.8	3703.3
28°	4444.6	4242.5	3737.9	3377.7	3285.1	3490.8	3631.1	3508.0	3276.3	3357.1	3682.2
29°	4460.1	4252.2	3718.1	3348.8	3243.2	3475.5	3628.3	3495.3	3243.6	3321.9	3658.6
30°	4479.1	4259.7	3698.0	3316.0	3209.1	3460.5	3619.4	3482.5	3202.6	3278.4	3635.4
31°	4497.5	4274.9	3678.2	3274.7	3173.6	3447.1	3613.0	3467.4	3168.5	3218.3	3610.8
32°	4519.5	4285.4	3657.1	3232.5	3137.7	3429.8	3606.8	3455.6	3135.8	3162.6	3586.3
33°	4532.8	4294.7	3635.2	3186.2	3104.5	3416.3	3598.9	3442.5	3102.3	3105.3	3552.0
34°	4545.0	4304.6	3611.2	3131.0	3068.4	3402.3	3586.5	3429.7	3065.7	3048.2	3524.3
35°	4553.7	4310.9	3586.3	3069.7	3032.7	3386.5	3578.8	3408.2	3028.9	2992.7	3494.7
36°	4559.1	4316.4	3556.0	3010.2	2995.1	3371.2	3573.2	3388.4	2990.7	2933.3	3464.4
37°	4562.2	4322.5	3527.6	2950.1	2948.4	3351.6	3575.2	3369.8	2953.6	2874.0	3437.6
38°	4560.1	4323.5	3499.2	2887.6	2908.0	3331.7	3569.0	3355.8	2912.8	2805.1	3406.2
39°	4553.1	4322.4	3471.0	2813.4	2868.6	3317.4	3545.9	3350.5	2872.9	2744.0	3375.6
40°	4541.3	4315.3	3436.0	2751.2	2827.7	3305.9	3515.2	3340.4	2832.8	2683.0	3336.8
41°	4517.2	4307.5	3410.9	2689.1	2783.0	3289.6	3490.9	3315.8	2790.9	2622.8	3305.9
42°	4495.2	4297.1	3385.1	2627.9	2740.7	3266.8	3479.8	3279.1	2740.9	2563.4	3276.8
43°	4470.3	4277.8	3360.1	2563.3	2697.8	3227.8	3456.6	3250.0	2697.6	2496.4	3249.3
44°	4444.0	4256.0	3340.7	2499.7	2652.5	3207.7	3421.3	3235.7	2652.2	2436.1	3221.1

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REPORT NUMBER: P1449830
CATALOG NUMBER: TWC100_T3_40W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	4405.7	4230.1	3319.1	2437.8	2601.9	3192.5	3381.4	3211.2	2607.1	2374.7	3197.3
46°	4328.4	4200.7	3299.3	2367.3	2552.7	3169.7	3327.9	3176.5	2567.0	2308.2	3173.4
47°	4262.9	4156.7	3272.8	2302.7	2507.9	3135.3	3261.5	3136.1	2533.5	2243.9	3151.6
48°	4195.1	4099.0	3254.1	2236.7	2471.5	3092.3	3180.1	3095.4	2492.7	2179.7	3128.9
49°	4121.0	4017.0	3234.7	2170.8	2427.2	3050.9	3062.6	3050.5	2426.6	2114.0	3108.0
50°	4036.2	3951.7	3215.4	2103.6	2370.6	3008.2	2937.0	2986.6	2376.8	2038.2	3086.4
51°	3932.5	3887.2	3196.5	2029.6	2314.0	2955.1	2788.1	2910.9	2335.7	1971.7	3064.3
52°	3827.7	3802.6	3175.5	1962.8	2271.6	2876.5	2627.5	2821.1	2290.6	1905.7	3042.4
53°	3717.7	3705.1	3152.3	1894.3	2227.9	2791.9	2444.9	2713.5	2238.3	1837.7	3011.9
54°	3605.2	3582.5	3128.0	1821.8	2179.3	2689.0	2293.1	2586.0	2188.3	1764.7	2985.6
55°	3480.9	3469.3	3103.3	1752.8	2128.0	2556.7	2163.6	2422.6	2136.9	1695.2	2960.3
56°	3369.9	3345.5	3078.4	1682.2	2067.8	2415.2	2059.2	2265.0	2082.3	1624.0	2938.0
57°	3254.0	3206.6	3050.3	1600.8	2012.4	2261.7	1967.5	2112.0	2020.9	1550.3	2909.0
58°	3131.0	3077.6	3009.6	1526.9	1953.6	2105.2	1896.1	1976.3	1958.8	1478.2	2877.3
59°	2981.7	2948.8	2934.8	1454.1	1890.7	1947.6	1832.8	1859.3	1895.9	1396.6	2822.9
60°	2838.3	2818.6	2874.2	1381.0	1819.4	1835.5	1775.0	1773.4	1829.9	1323.2	2750.3
61°	2681.6	2677.9	2811.0	1302.5	1754.3	1747.7	1648.8	1704.0	1752.3	1250.0	2689.8
62°	2507.5	2543.6	2716.7	1232.7	1685.2	1675.8	1493.7	1642.5	1685.3	1171.2	2614.6
63°	2329.7	2409.6	2601.5	1162.8	1608.8	1611.2	1394.0	1575.6	1613.3	1108.1	2511.7
64°	2162.6	2270.0	2461.9	1092.1	1537.2	1552.9	1328.3	1462.7	1530.1	1046.0	2370.1
65°	2035.8	2091.3	2298.9	1020.0	1461.4	1444.9	1259.6	1345.2	1426.9	976.8	2213.5
66°	1909.4	1914.7	2086.8	954.6	1375.0	1319.1	1190.4	1276.1	1311.0	906.1	2028.0
67°	1718.4	1766.5	1873.0	881.9	1262.0	1258.4	1114.2	1226.4	1177.7	840.1	1813.4
68°	1503.6	1625.5	1641.8	809.8	1138.8	1210.7	1031.7	1177.0	1048.2	773.0	1562.9
69°	1393.1	1415.5	1408.8	732.3	1003.8	1162.3	955.8	1120.2	930.1	695.8	1320.8
70°	1327.1	1241.4	1193.1	665.2	875.2	1101.4	875.9	1057.1	853.5	627.4	1087.9
71°	1265.1	1165.6	1044.4	598.4	787.4	1046.2	793.4	1002.0	800.0	562.1	913.1
72°	1199.6	1108.8	1060.4	528.7	728.6	993.8	694.5	944.2	737.6	498.8	853.7
73°	1128.7	1057.5	1153.1	467.6	673.0	934.2	602.9	883.3	674.5	433.1	1002.8
74°	1044.8	1006.2	904.9	410.9	605.6	875.4	518.9	811.6	636.8	376.9	892.2
75°	961.7	951.6	590.7	358.0	567.7	814.8	443.8	738.4	601.2	325.7	534.2
76°	878.9	882.7	492.8	304.2	532.7	745.6	376.7	654.6	562.0	278.8	424.1
77°	791.8	816.7	434.0	261.9	491.4	654.4	322.9	571.5	522.9	234.2	371.8
78°	711.7	759.3	432.6	223.6	457.1	571.9	272.5	489.1	488.8	197.0	358.0
79°	629.4	707.5	428.3	190.0	424.6	494.8	209.4	425.6	455.5	164.0	379.6
80°	548.7	650.9	326.2	155.4	393.3	431.5	137.5	368.7	417.1	133.3	280.3
81°	460.4	592.0	226.8	124.6	357.6	368.7	86.5	307.7	380.5	105.3	189.5
82°	380.7	514.2	191.6	96.8	324.3	312.6	68.1	242.2	344.0	78.8	157.3
83°	301.2	420.5	167.0	70.8	289.3	242.9	52.5	150.4	304.6	59.7	135.9
84°	230.9	362.5	143.3	52.3	251.7	145.6	39.0	69.5	258.2	44.5	118.9
85°	157.4	304.3	121.9	37.8	214.0	56.9	31.0	35.6	214.2	31.1	101.2
86°	111.6	224.8	103.0	26.3	167.5	29.4	19.5	24.0	174.9	21.5	82.5
87°	66.4	150.0	74.1	15.6	133.0	17.8	12.3	14.8	124.0	14.0	56.6
88°	23.4	55.3	32.1	8.0	77.3	9.4	8.4	9.1	46.7	8.1	19.8
89°	2.8	3.1	3.0	3.3	20.0	4.7	6.6	6.7	6.6	4.5	5.1

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1.8	2.2	2.1	1.6	2.6	3.0	6.8	6.7	6.2	4.1	5.1
91°	1.8	2.4	2.3	1.8	2.8	3.3	7.4	7.3	6.8	4.5	5.7
92°	2.2	2.8	2.5	2.0	3.2	3.5	8.1	7.8	7.4	5.0	5.9
93°	2.5	2.9	2.8	2.3	3.4	4.1	8.7	8.7	8.0	5.4	6.3
94°	2.5	3.3	3.1	2.4	3.8	4.2	9.5	9.3	8.6	5.7	6.7
95°	2.9	3.6	3.4	2.6	4.4	4.6	10.2	10.0	9.3	6.2	7.3
96°	3.1	3.8	3.7	3.0	4.8	5.1	10.9	10.7	9.8	6.7	7.6
97°	3.6	4.3	4.1	3.1	5.1	5.7	11.9	11.4	10.6	7.4	8.3
98°	3.9	4.6	4.2	3.6	5.8	6.1	12.6	12.3	11.3	7.9	8.7
99°	4.1	5.1	4.8	3.9	6.3	6.5	13.5	13.3	12.2	8.3	9.2
100°	4.6	5.5	5.1	4.3	6.8	7.1	14.4	14.0	12.7	9.0	9.7
101°	5.2	5.7	5.5	4.8	7.2	7.7	15.2	14.8	13.5	9.4	10.1
102°	5.6	6.2	5.8	5.1	8.0	8.4	16.2	15.9	14.3	10.0	10.8
103°	5.9	6.8	6.2	5.7	8.4	8.9	17.2	16.6	15.2	10.6	11.3
104°	6.4	7.4	6.6	5.9	8.9	9.5	17.8	17.6	16.0	11.5	12.1
105°	7.0	7.6	7.1	6.4	9.5	10.2	18.9	18.6	16.6	11.9	12.7
106°	7.5	8.3	7.6	7.0	10.2	10.9	19.8	19.6	17.4	12.7	13.3
107°	8.1	8.8	8.2	7.5	10.7	11.7	20.9	20.6	18.3	13.3	13.9
108°	8.6	9.4	8.6	8.1	11.4	12.5	21.9	21.5	18.9	14.1	14.4
109°	9.3	9.9	9.2	8.6	12.3	13.3	22.9	22.5	20.0	14.6	15.0
110°	9.7	10.5	9.5	9.2	12.9	14.1	23.8	23.4	20.6	15.4	15.7
111°	10.5	11.0	9.9	9.6	13.5	14.9	25.1	24.6	21.3	16.1	16.4
112°	11.0	11.6	10.5	10.1	14.1	15.8	26.1	25.5	22.0	16.8	17.1
113°	11.7	12.4	11.0	10.8	14.7	16.9	26.9	26.4	22.8	17.6	17.3
114°	12.4	13.0	11.5	11.5	15.3	17.5	28.0	27.4	23.7	18.1	18.1
115°	13.0	13.6	12.2	12.1	16.0	18.3	28.8	28.1	24.2	18.9	18.8
116°	13.7	14.2	12.7	12.8	16.8	19.6	29.9	29.1	24.8	19.6	19.2
117°	14.6	15.0	13.0	13.1	17.2	20.1	30.7	29.9	25.7	20.3	19.9
118°	15.3	15.5	13.7	13.8	17.9	20.9	31.7	30.6	25.9	21.0	20.5
119°	15.9	16.3	14.3	14.4	18.5	21.8	32.5	31.5	26.7	21.9	21.1
120°	16.8	17.0	14.9	15.0	19.3	22.6	33.3	32.2	27.4	22.4	21.6
121°	17.3	17.5	15.3	15.8	19.9	23.7	34.1	32.9	27.9	23.1	22.3
122°	18.2	18.3	16.0	16.4	20.5	24.2	34.8	33.7	28.5	23.7	22.8
123°	18.9	18.7	16.8	16.9	21.1	25.0	35.5	34.1	29.3	24.4	23.5
124°	19.6	19.4	17.0	17.6	21.8	25.8	36.2	35.0	29.9	24.9	24.1
125°	20.3	20.0	17.7	18.2	22.5	26.3	36.9	35.4	30.4	25.7	24.6
126°	20.9	20.7	18.2	18.9	23.2	27.2	37.5	35.8	30.7	26.2	25.2
127°	21.7	21.2	18.9	19.4	23.7	27.9	37.9	36.2	31.4	26.5	25.7
128°	22.3	21.7	19.5	20.1	24.6	28.5	38.4	36.9	31.9	27.1	26.0
129°	23.2	22.5	20.0	20.7	25.2	29.3	38.9	37.4	32.5	27.9	26.7
130°	23.7	23.0	20.5	21.1	25.9	30.0	39.2	37.8	32.9	28.2	27.3
131°	24.2	23.6	21.0	21.8	26.5	30.3	39.7	38.2	33.5	28.7	27.9
132°	24.8	24.0	21.6	22.6	27.1	31.2	40.1	38.6	33.9	29.1	28.1
133°	25.4	24.7	22.1	23.0	27.8	31.7	40.4	38.9	34.5	29.8	28.7
134°	25.9	25.0	22.7	23.6	28.5	32.3	40.8	39.3	34.8	30.1	29.2

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

Scaled Data Report

REPORT NUMBER: P1449830
CATALOG NUMBER: TWC100_T3_40W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	26.3	25.4	23.2	24.0	29.1	32.7	41.2	39.6	35.3	30.8	29.5
136°	26.9	25.9	23.7	24.6	29.8	33.5	41.4	39.9	35.6	31.3	30.1
137°	27.5	26.5	24.4	25.2	30.4	34.1	41.7	40.1	36.1	31.6	30.7
138°	28.0	27.0	24.7	25.8	31.0	34.6	41.9	40.4	36.3	32.0	30.9
139°	28.3	27.8	25.4	26.3	31.6	35.2	42.0	40.5	36.8	32.3	31.5
140°	28.9	28.1	25.8	26.8	32.1	35.6	42.5	40.7	37.0	32.9	32.0
141°	29.3	28.3	26.4	27.2	32.6	36.3	42.5	40.9	37.4	33.3	32.1
142°	30.0	28.8	26.8	27.6	33.1	36.4	42.6	41.2	37.5	33.6	32.5
143°	30.0	29.3	27.4	28.1	33.6	37.1	42.5	41.3	37.8	34.2	33.0
144°	30.7	29.8	27.9	28.7	34.0	37.6	42.5	41.4	38.2	34.4	33.3
145°	31.1	30.1	28.5	29.2	34.2	38.0	42.6	41.5	38.4	34.8	33.7
146°	31.6	30.5	28.8	29.6	34.8	38.5	42.6	41.6	38.6	35.2	34.1
147°	31.8	31.0	29.4	30.1	35.1	38.8	42.6	41.7	38.9	35.6	34.5
148°	32.2	31.4	29.9	30.6	35.4	39.3	42.5	41.8	38.9	35.9	34.9
149°	32.8	31.9	30.0	31.0	35.7	39.3	42.7	41.9	39.2	36.2	35.4
150°	33.1	32.2	30.6	31.5	36.1	39.6	42.8	41.9	39.3	36.7	35.5
151°	33.6	32.6	31.2	32.0	36.3	39.9	42.7	42.2	39.5	36.8	35.7
152°	34.0	33.0	31.7	32.4	36.6	40.2	42.7	42.1	39.7	37.2	36.2
153°	34.2	33.4	32.1	32.6	36.8	40.4	42.7	42.1	39.8	37.6	36.5
154°	34.8	33.7	32.5	33.1	37.2	40.7	42.6	41.9	40.1	37.8	36.6
155°	35.1	34.2	32.8	33.5	37.5	40.7	42.4	42.0	40.1	38.0	37.1
156°	35.3	34.2	33.3	34.1	37.6	40.7	42.2	41.9	40.3	38.3	37.4
157°	35.4	34.4	33.5	34.2	38.0	41.0	42.1	41.9	40.2	38.5	37.6
158°	35.7	34.8	33.8	34.7	38.0	41.1	41.9	42.0	40.4	38.7	37.8
159°	35.9	35.2	34.3	34.9	38.5	41.2	41.9	41.8	40.4	38.9	38.1
160°	36.0	35.4	34.7	35.5	38.7	41.2	41.7	41.8	40.4	39.1	38.0
161°	36.3	35.6	35.1	35.8	39.0	41.5	41.6	41.7	40.5	39.3	38.4
162°	36.6	36.0	35.4	36.4	39.3	41.5	41.5	41.6	40.5	39.4	38.8
163°	36.7	36.2	35.7	36.6	39.3	41.7	41.2	41.6	40.6	39.7	38.9
164°	37.0	36.2	35.9	36.8	39.5	41.8	41.2	41.4	40.7	39.7	38.9
165°	37.0	36.4	36.2	37.1	39.7	41.7	41.0	41.4	40.7	39.7	39.2
166°	37.4	36.9	36.5	37.4	39.9	41.8	41.0	41.4	40.7	40.0	39.4
167°	37.5	37.1	36.8	37.8	40.0	42.0	40.8	41.3	40.7	40.1	39.5
168°	37.8	37.4	37.2	38.2	40.2	41.9	40.8	41.2	40.9	40.4	39.8
169°	38.1	37.5	37.6	38.4	40.2	41.7	40.9	41.1	40.9	40.4	39.8
170°	38.3	37.8	37.9	38.7	40.4	42.0	40.9	41.0	41.1	40.6	40.1
171°	38.5	38.0	38.2	39.1	40.7	42.1	40.8	41.0	41.1	40.8	40.1
172°	39.0	38.3	38.5	39.3	40.7	41.8	40.9	41.0	40.8	40.8	40.2
173°	38.9	38.6	38.9	39.5	40.9	41.8	41.0	40.9	40.8	41.0	40.6
174°	39.2	38.9	38.9	39.8	41.1	41.7	41.2	40.9	40.8	41.0	40.8
175°	39.6	39.1	39.3	40.1	41.1	42.0	41.2	40.9	40.8	41.1	40.8
176°	39.9	39.3	39.5	40.3	41.1	41.7	41.0	40.7	40.8	41.1	41.0
177°	40.0	39.7	39.7	40.4	41.1	41.8	40.9	40.7	40.8	41.0	41.1
178°	40.5	39.7	40.0	40.6	41.2	41.7	41.0	40.5	40.6	41.1	41.2
179°	40.3	40.0	40.1	40.9	41.3	41.6	40.8	40.5	40.5	41.0	41.4

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

Scaled Data Report

REPORT NUMBER: P1449830
CATALOG NUMBER: TWC100_T3_40W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	*40.9*	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1449830
CATALOG NUMBER: TWC100_T3_40W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	3868.3	3868.3
1°	3884.3	3887.4
2°	3900.0	3905.5
3°	3915.3	3925.4
4°	3929.7	3941.4
5°	3940.6	3960.6
6°	3954.5	3979.4
7°	3967.1	3996.3
8°	3988.0	4024.7
9°	4002.0	4044.5
10°	4014.6	4064.3
11°	4028.6	4079.6
12°	4035.2	4099.2
13°	4047.1	4119.6
14°	4060.2	4141.1
15°	4080.4	4169.8
16°	4093.8	4191.1
17°	4106.6	4215.7
18°	4120.0	4239.2
19°	4130.7	4261.5
20°	4143.3	4281.2
21°	4152.9	4301.0
22°	4160.7	4317.9
23°	4169.3	4338.1
24°	4177.8	4357.3
25°	4186.4	4385.3
26°	4202.6	4405.8
27°	4211.0	4424.1
28°	4219.1	4444.6
29°	4224.8	4460.1
30°	4226.1	4479.1
31°	4234.2	4497.5
32°	4241.2	4519.5
33°	4257.0	4532.8
34°	4264.1	4545.0
35°	4269.9	4553.7
36°	4274.1	4559.1
37°	*4273.2*	*4562.2*
38°	4274.1	4560.1
39°	4269.9	4553.1
40°	4261.3	4541.3
41°	4243.8	4517.2
42°	4229.4	4495.2
43°	4206.8	4470.3
44°	4183.2	4444.0

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1449830
CATALOG NUMBER: TWC100_T3_40W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	4157.3	4405.7
46°	4125.5	4328.4
47°	4086.2	4262.9
48°	4018.0	4195.1
49°	3926.6	4121.0
50°	3864.0	4036.2
51°	3791.8	3932.5
52°	3702.4	3827.7
53°	3595.6	3717.7
54°	3484.5	3605.2
55°	3364.4	3480.9
56°	3237.1	3369.9
57°	3095.2	3254.0
58°	2964.3	3131.0
59°	2833.3	2981.7
60°	2684.9	2838.3
61°	2552.6	2681.6
62°	2421.8	2507.5
63°	2290.1	2329.7
64°	2140.7	2162.6
65°	1973.5	2035.8
66°	1804.5	1909.4
67°	1674.3	1718.4
68°	1506.4	1503.6
69°	1288.6	1393.1
70°	1162.6	1327.1
71°	1102.3	1265.1
72°	1047.7	1199.6
73°	995.9	1128.7
74°	943.3	1044.8
75°	887.4	961.7
76°	814.8	878.9
77°	752.7	791.8
78°	700.1	711.7
79°	650.2	629.4
80°	592.3	548.7
81°	533.1	460.4
82°	449.9	380.7
83°	374.3	301.2
84°	318.5	230.9
85°	243.9	157.4
86°	184.8	111.6
87°	104.7	66.4
88°	7.9	23.4
89°	5.2	2.8

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Scaled Data Report

REPORT NUMBER: P1449830
CATALOG NUMBER: TWC100_T3_40W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	5.7	1.8
91°	5.8	1.8
92°	6.3	2.2
93°	6.8	2.5
94°	7.4	2.5
95°	8.0	2.9
96°	8.5	3.1
97°	9.2	3.6
98°	9.6	3.9
99°	10.3	4.1
100°	11.0	4.6
101°	11.7	5.2
102°	12.4	5.6
103°	13.0	5.9
104°	13.5	6.4
105°	14.3	7.0
106°	15.1	7.5
107°	15.8	8.1
108°	16.4	8.6
109°	16.9	9.3
110°	17.7	9.7
111°	18.3	10.5
112°	19.3	11.0
113°	19.9	11.7
114°	20.6	12.4
115°	21.2	13.0
116°	21.9	13.7
117°	22.8	14.6
118°	23.4	15.3
119°	24.0	15.9
120°	24.6	16.8
121°	25.2	17.3
122°	26.0	18.2
123°	26.2	18.9
124°	27.0	19.6
125°	27.5	20.3
126°	28.1	20.9
127°	28.3	21.7
128°	28.8	22.3
129°	29.1	23.2
130°	29.7	23.7
131°	30.1	24.2
132°	30.4	24.8
133°	30.8	25.4
134°	31.3	25.9

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Scaled Data Report

REPORT NUMBER: P1449830
CATALOG NUMBER: TWC100_T3_40W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	31.9	26.3
136°	32.1	26.9
137°	32.3	27.5
138°	32.6	28.0
139°	33.0	28.3
140°	33.3	28.9
141°	33.6	29.3
142°	34.0	30.0
143°	34.4	30.0
144°	34.5	30.7
145°	34.7	31.1
146°	35.0	31.6
147°	35.1	31.8
148°	35.7	32.2
149°	35.9	32.8
150°	35.9	33.1
151°	36.1	33.6
152°	36.4	34.0
153°	36.5	34.2
154°	36.6	34.8
155°	36.8	35.1
156°	37.0	35.3
157°	37.2	35.4
158°	37.3	35.7
159°	37.6	35.9
160°	37.8	36.0
161°	38.1	36.3
162°	38.0	36.6
163°	38.2	36.7
164°	38.4	37.0
165°	38.5	37.0
166°	38.9	37.4
167°	39.0	37.5
168°	39.3	37.8
169°	39.3	38.1
170°	39.5	38.3
171°	39.9	38.5
172°	39.9	39.0
173°	40.2	38.9
174°	40.3	39.2
175°	40.7	39.6
176°	40.8	39.9
177°	41.0	40.0
178°	41.1	40.5
179°	41.3	40.3

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

REPORT NUMBER: P1449830
CATALOG NUMBER: TWC100_T3_40W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	40.9	40.9

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

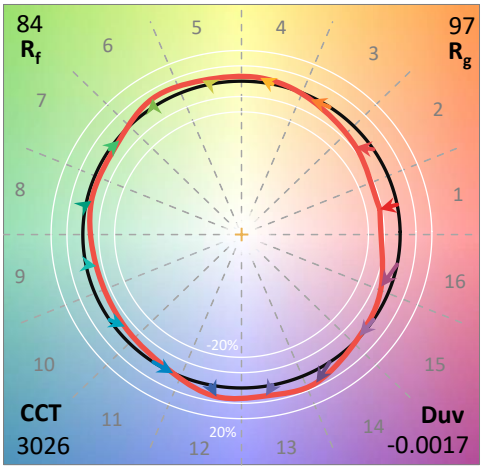
Test Information

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

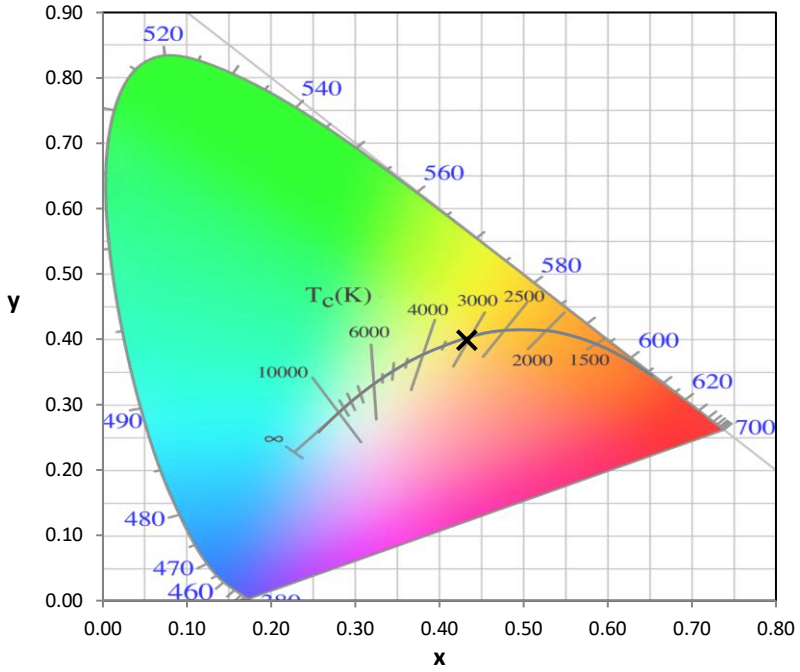
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2601-659-1

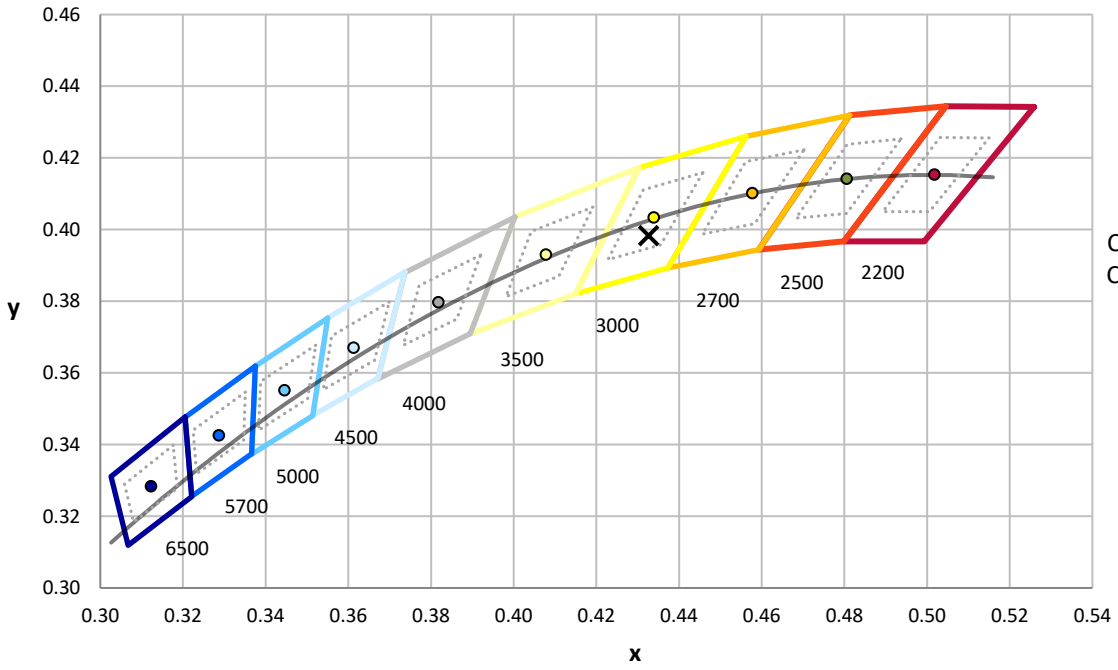
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

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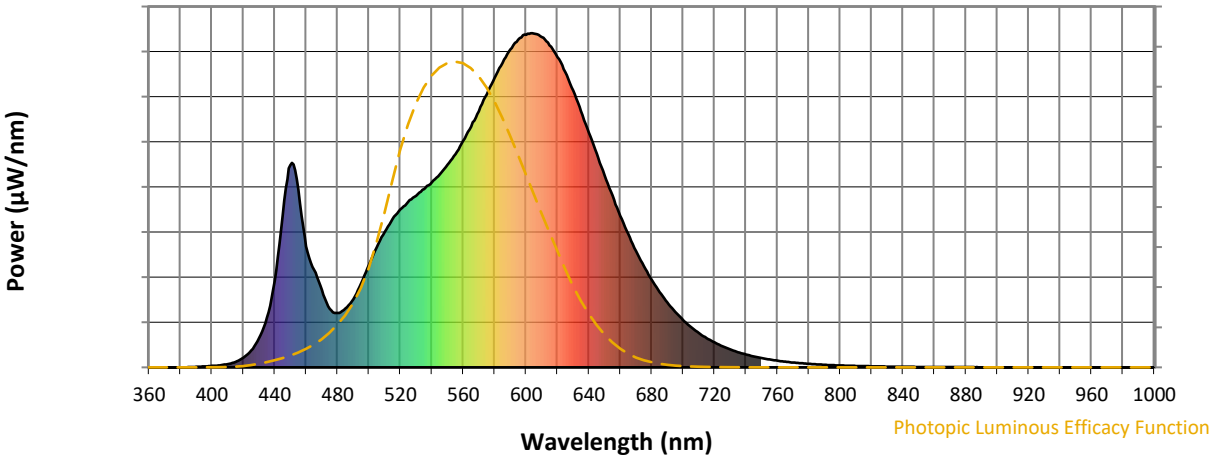
Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

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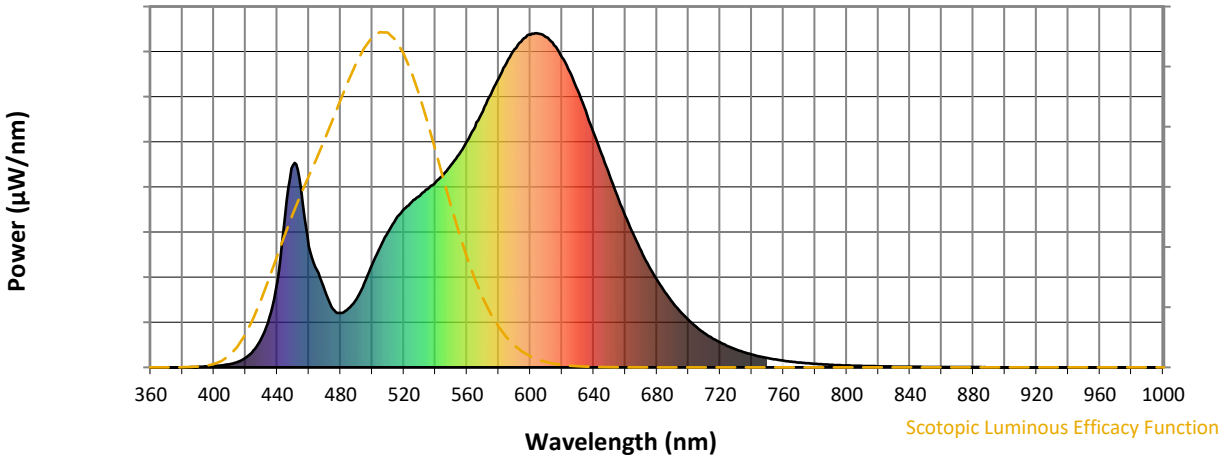
Scotopic Flux vs. Wavelength



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

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

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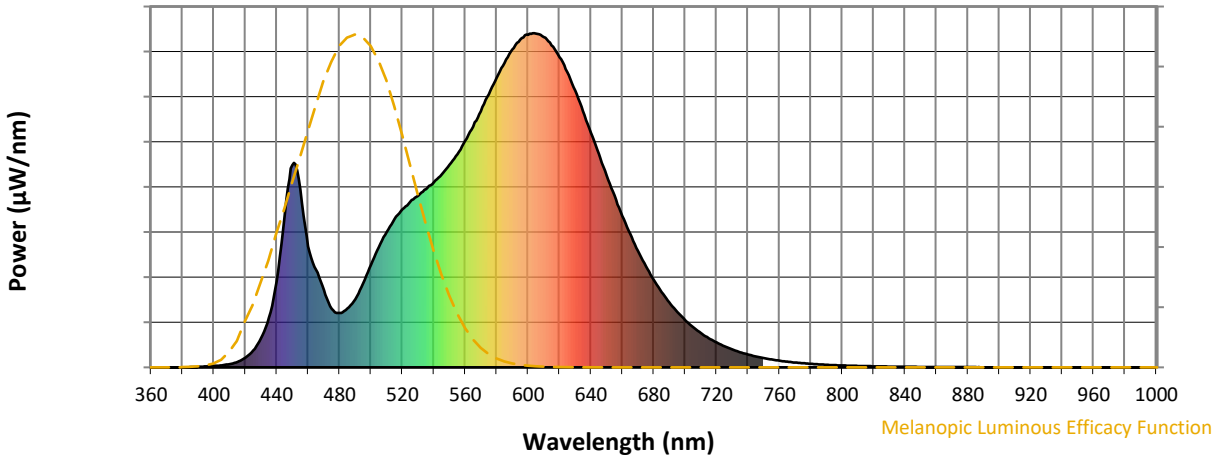
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.61**

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

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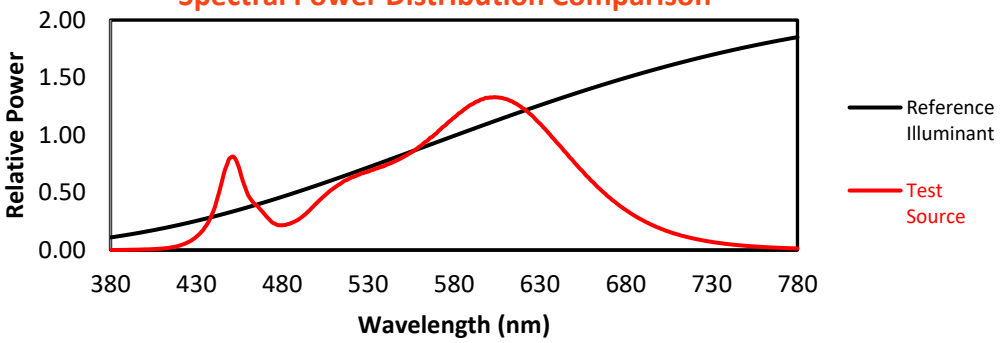
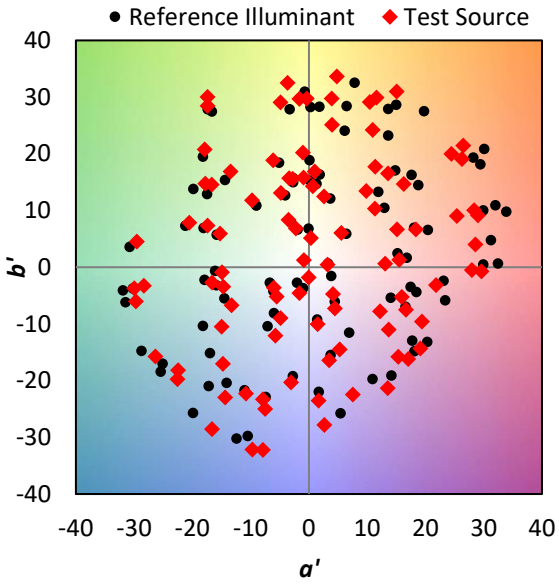
Summary

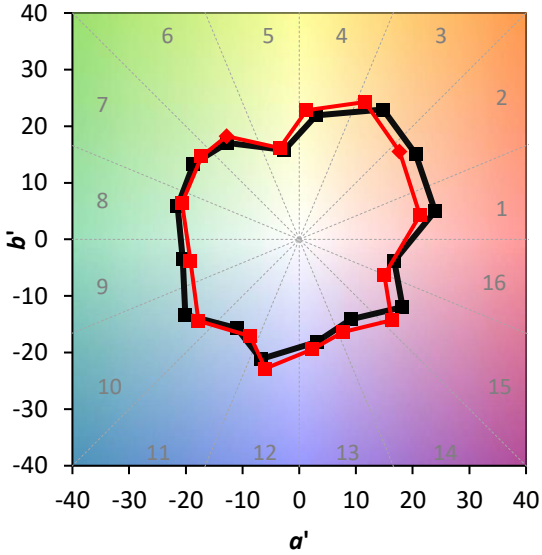
R_f = 84
R_g = 97.4
CIE R_a = 82.7
R_9 = 7.5

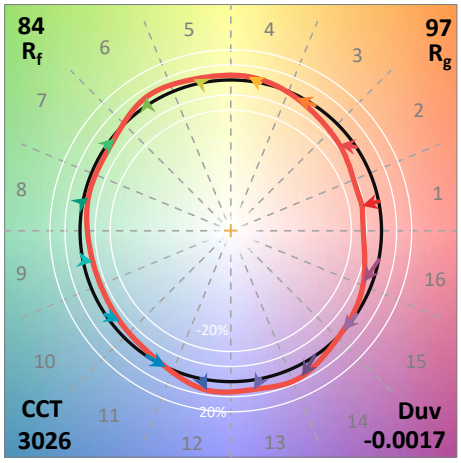
Spectral Power Distribution Comparison

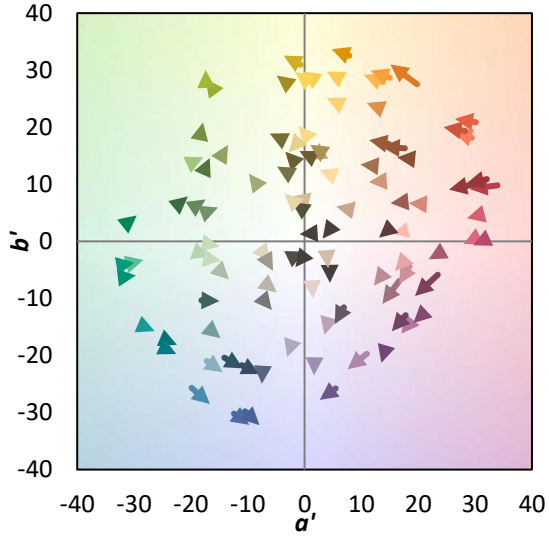


Color Vector Graphics









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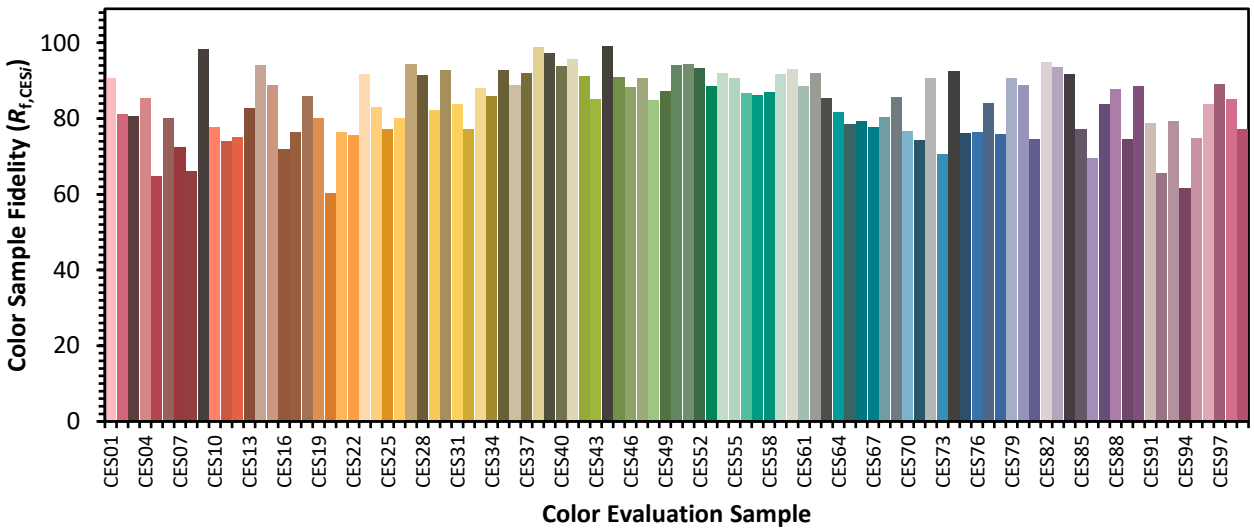
Individual Sample Fidelity Index ($R_{f,i}$)

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	



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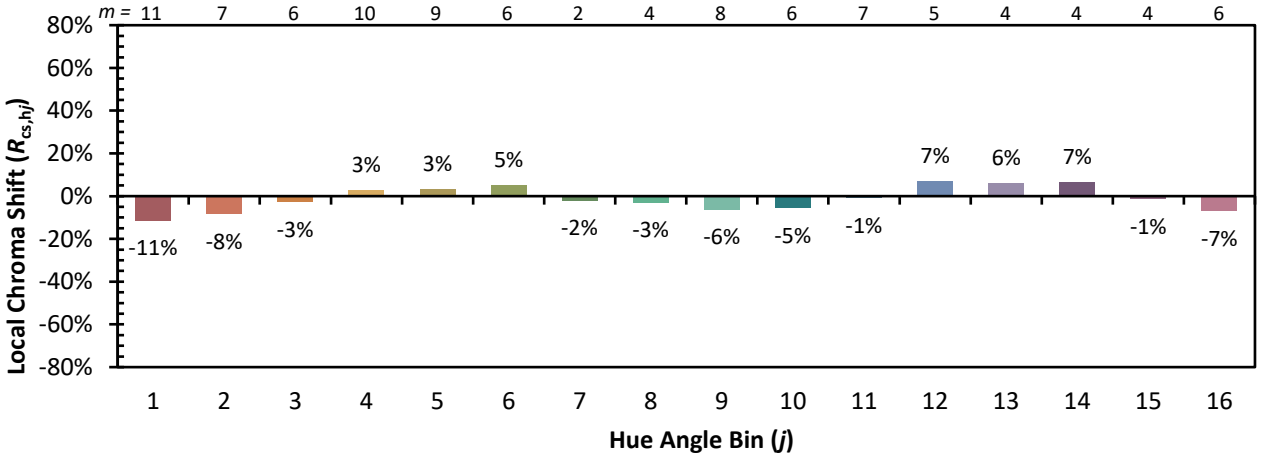
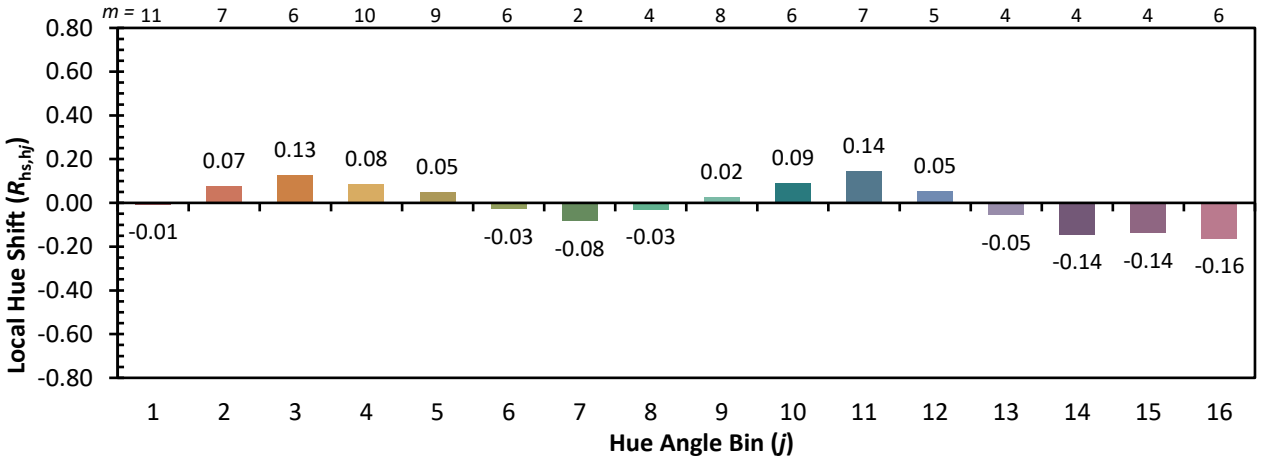
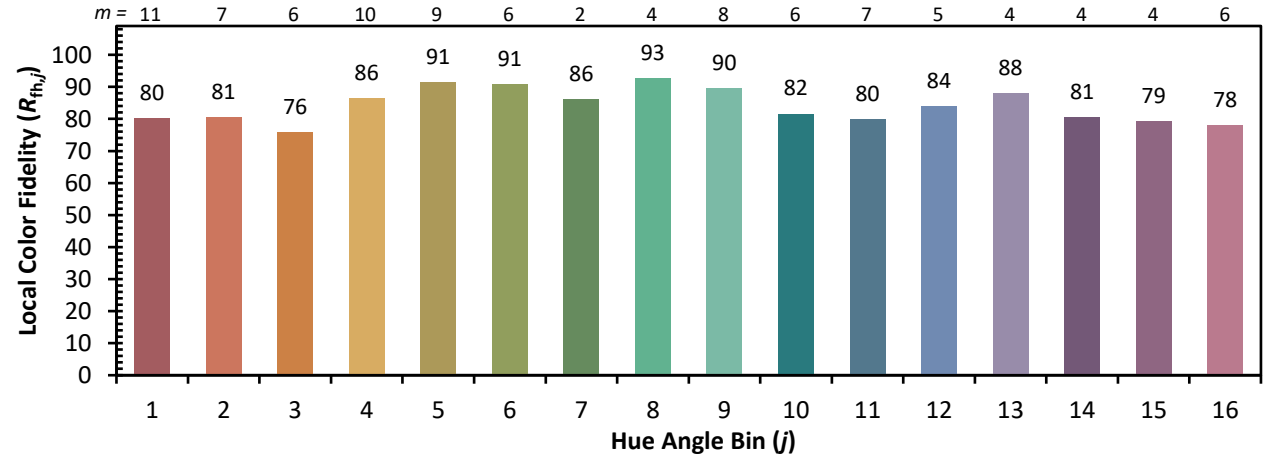
Color Rendition by Hue-Angle Bin







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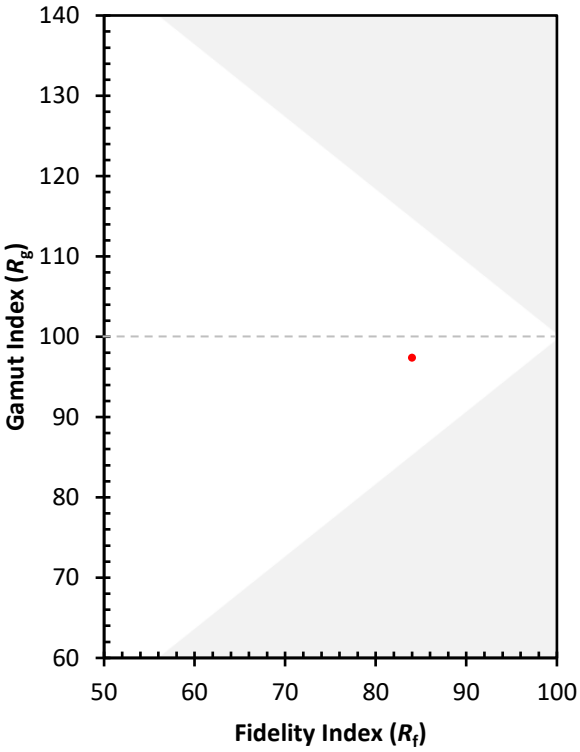
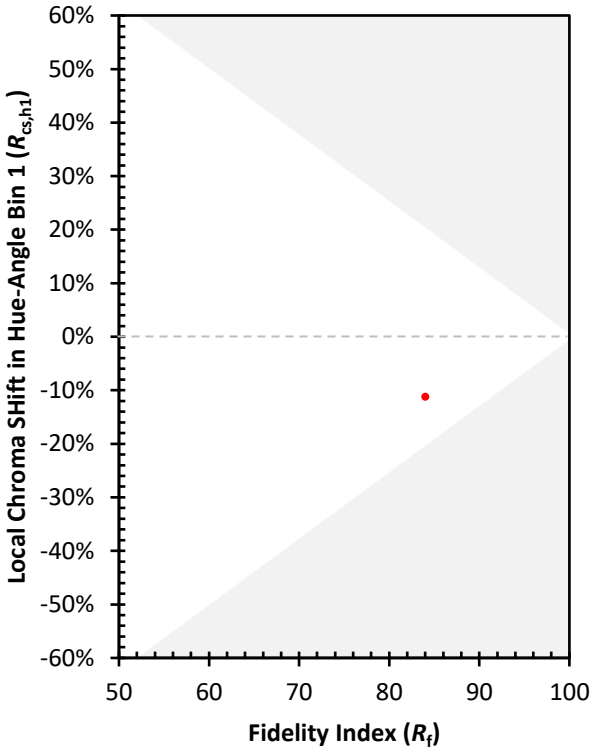
Measure Comparisons





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