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: P1449831

Luminaire Tested: **TWC100_T3_40W_4000K**

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:	P1449831
	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_4000K
Description:	Tapered Wall Cutoff Wall Mount Luminaire at, T3 distribution, 40W 4000K settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13548 lumens
Efficiency:	N/A
Efficacy:	180.9 lumens/watt
Luminous Opening:	Rectangular (W 0.92' x L: 0.42' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U3 - G3

Input Watts (W):	74.9
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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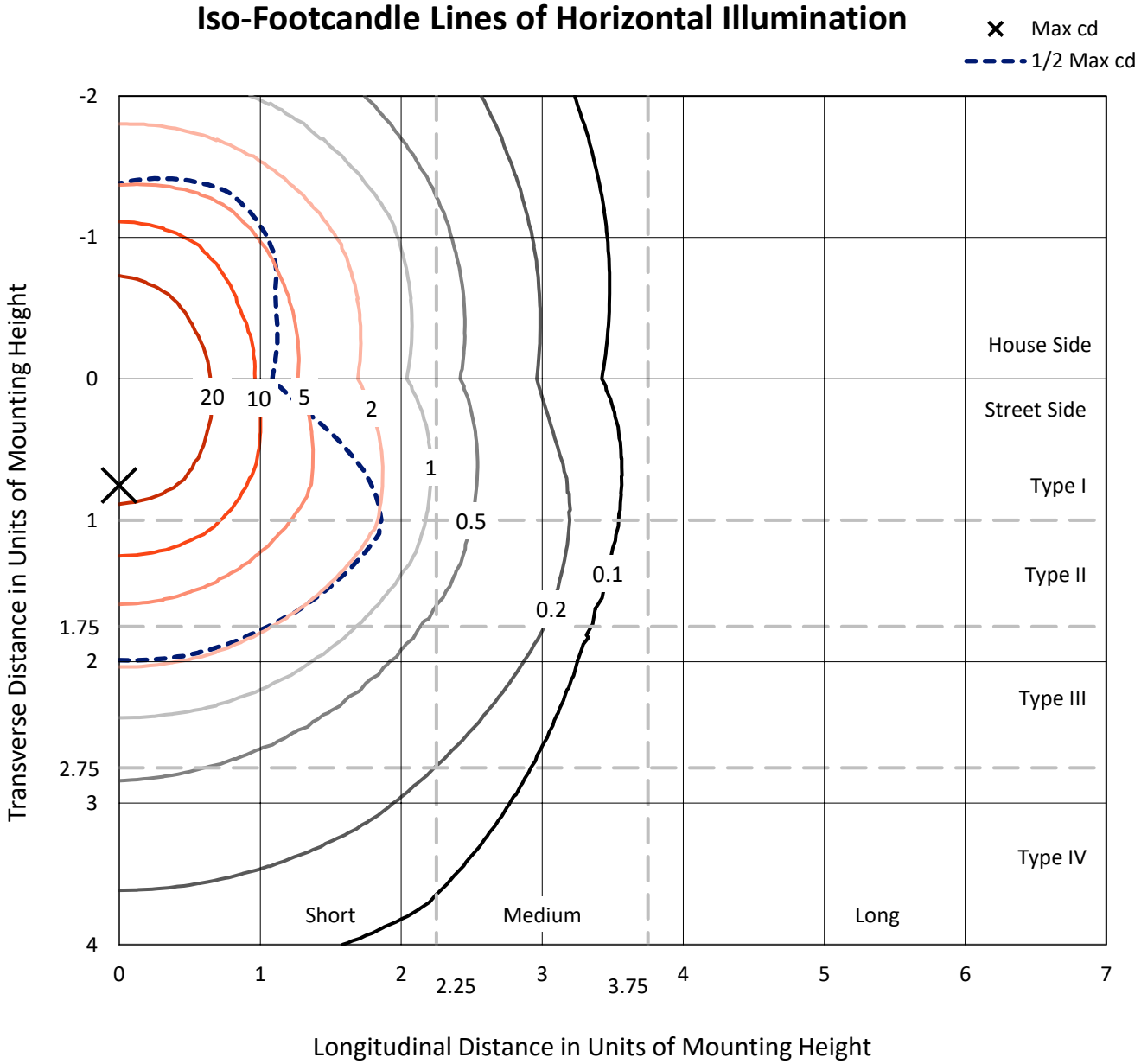
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 41.3 fc
Type III - Short - N/A

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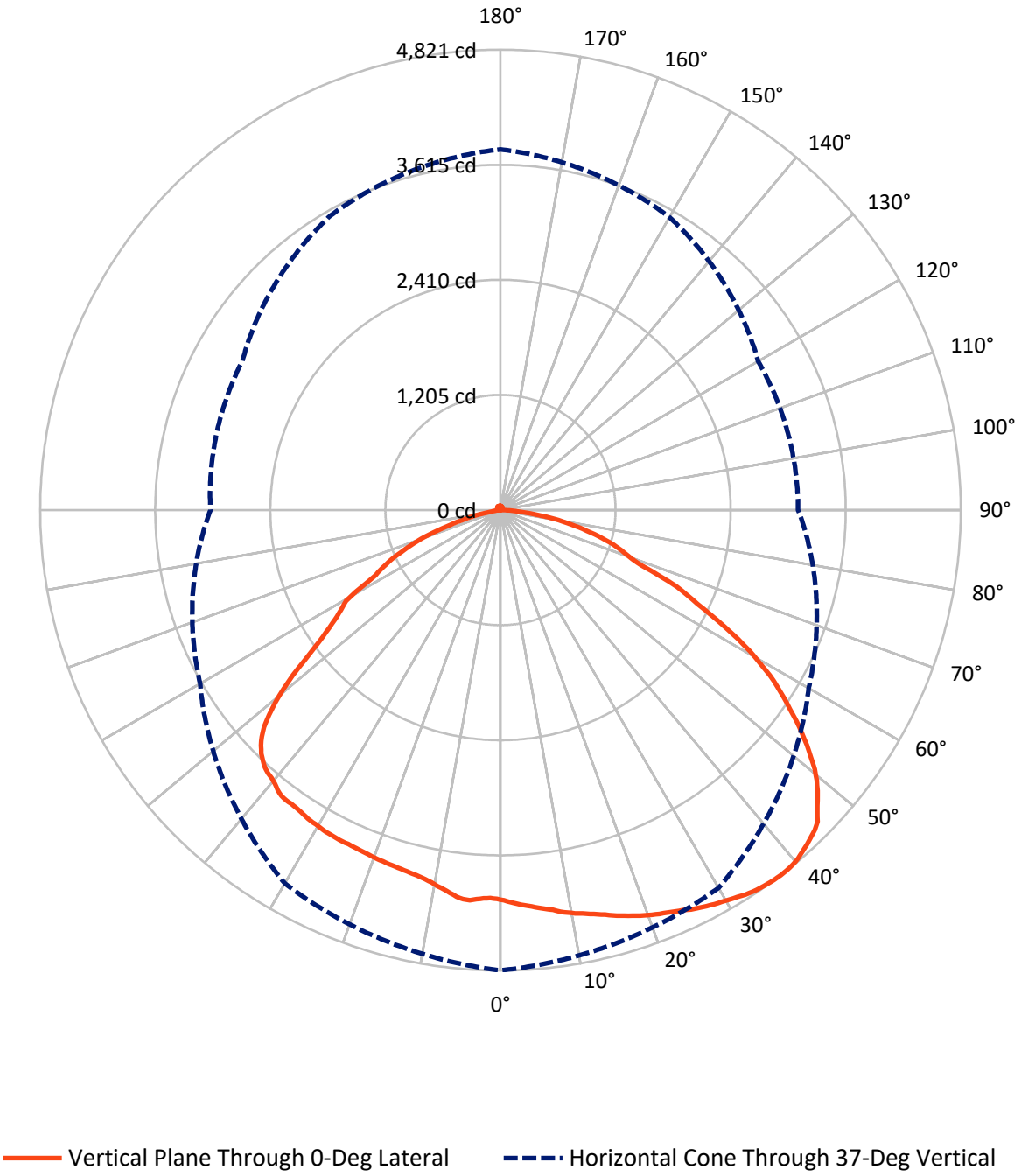
Luminous Intensity Polar Plot



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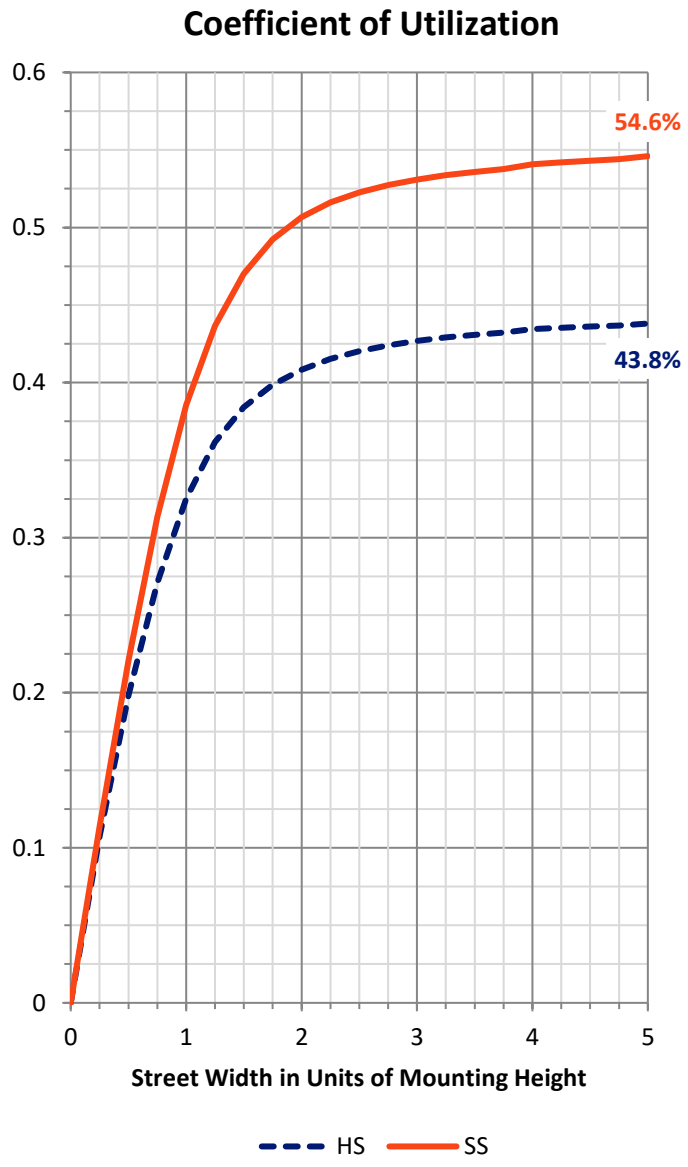
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5967.0	81.3	6048.3
	% Fixture	44.0	0.6	44.6
Street Side	Lumens	7434.9	64.7	7499.7
	% Fixture	54.9	0.5	55.4
Total	Lumens	13402.0	146.0	13548.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.3	2.9
10°-20°	1145.5	8.5
20°-30°	1818.9	13.4
30°-40°	2355.8	17.4
40°-50°	2648.6	19.5
50°-60°	2449.7	18.1
60°-70°	1676.2	12.4
70°-80°	747.3	5.5
80°-90°	168.7	1.2
90°-100°	7.1	0.1
100°-110°	13.2	0.1
110°-120°	19.6	0.1
120°-130°	24.0	0.2
130°-140°	25.1	0.2
140°-150°	23.0	0.2
150°-160°	18.3	0.1
160°-170°	11.7	0.1
170°-180°	4.1	0.0
0°-90°	13402.0	98.9
0°-180°	13548.0	100.0



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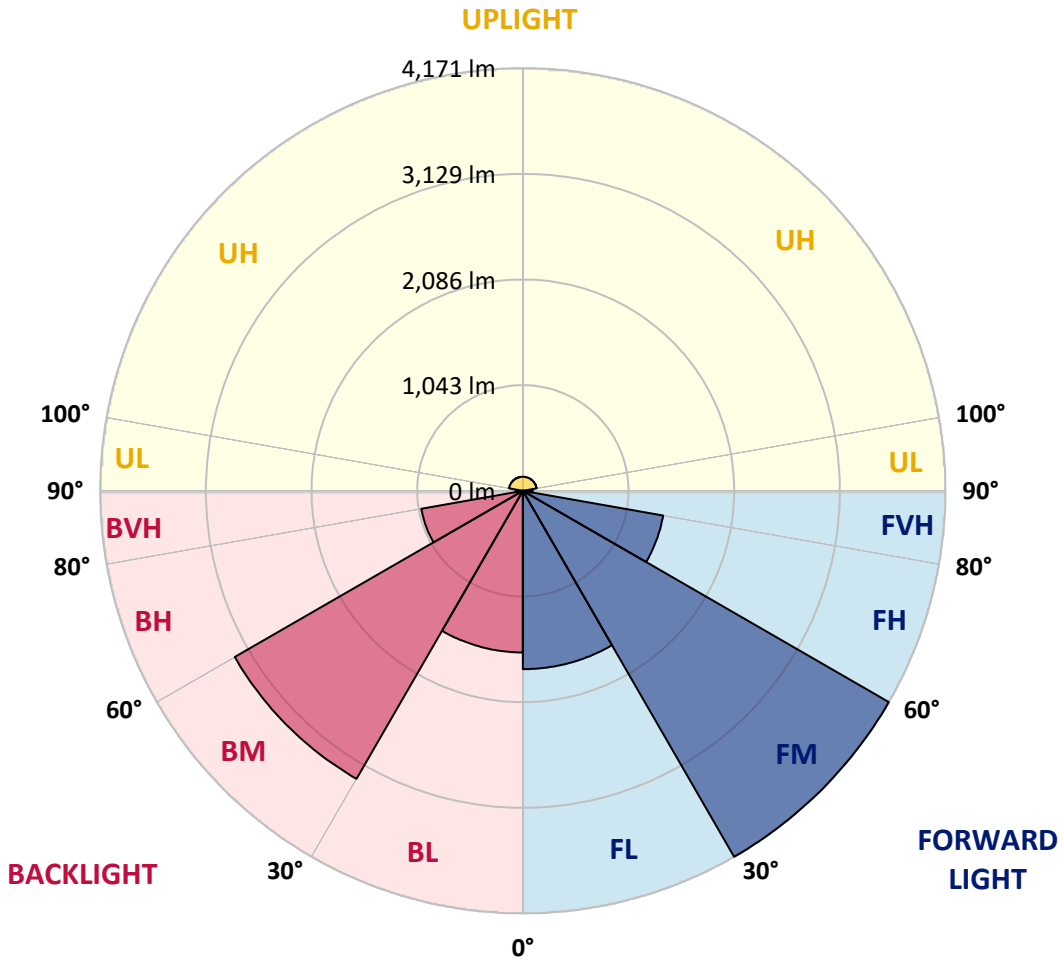
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1760.3	13.0			
FM	(30°-60°)	4171.3	30.8			
FH	(60°-80°)	1405.7	10.4			G1/1800
FVH	(80°-90°)	97.6	0.7			G1/100
BL	(0°-30°)	1595.4	11.8	B3/2500		
BM	(30°-60°)	3282.8	24.2	B3/5000		
BH	(60°-80°)	1017.8	7.5	B3/2500		G3/2500
BVH	(80°-90°)	71.1	0.5			G1/100
UL	(90°-100°)	7.1	0.1		U1/10	
UH	(100°-180°)	138.9	1.0		U3/500	

BUG Rating: B3-U3-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	4087.3	4087.3	4087.3	4087.3	4087.3	4087.3	4087.3	4087.3	4087.3	4087.3	4087.3
1°	4107.5	4099.2	4095.9	4089.3	4074.6	4072.1	4072.8	4068.8	4075.3	4082.1	4099.4
2°	4126.6	4116.9	4104.1	4089.0	4064.9	4058.3	4064.7	4064.0	4063.9	4078.4	4107.7
3°	4147.6	4138.1	4110.8	4077.2	4054.4	4048.2	4069.4	4060.5	4054.9	4073.2	4114.5
4°	4164.5	4152.4	4116.8	4073.0	4043.3	4039.6	4083.1	4067.7	4046.6	4066.5	4114.0
5°	4184.8	4168.4	4123.9	4067.3	4039.6	4048.1	4099.3	4079.4	4035.3	4058.5	4116.6
6°	4204.8	4187.2	4125.9	4058.1	4031.6	4063.7	4094.1	4087.8	4033.6	4049.5	4118.8
7°	4222.6	4201.1	4135.5	4055.8	4026.5	4073.7	4073.3	4081.0	4034.8	4037.4	4120.3
8°	4252.6	4216.8	4137.7	4045.9	4028.4	4073.1	4043.7	4058.8	4037.7	4024.7	4122.3
9°	4273.5	4231.4	4138.2	4032.1	4029.2	4051.7	4015.1	4027.9	4048.9	4011.6	4121.0
10°	4294.4	4241.3	4129.1	4013.2	4032.8	4017.1	3993.6	3998.3	4044.5	3997.6	4118.3
11°	4310.6	4255.2	4127.6	3998.2	4025.2	3979.3	3964.2	3971.8	4032.2	3980.5	4117.2
12°	4331.3	4270.3	4126.6	3981.7	4015.1	3955.1	3945.4	3950.6	4002.2	3960.8	4112.6
13°	4352.9	4294.2	4122.9	3960.7	3996.8	3931.0	3929.3	3923.7	3968.7	3932.9	4107.3
14°	4375.5	4307.7	4123.9	3941.0	3966.2	3907.4	3918.5	3902.9	3929.4	3910.5	4101.1
15°	4405.9	4322.5	4118.3	3920.6	3930.2	3883.7	3909.5	3885.7	3893.3	3887.9	4088.5
16°	4428.4	4334.8	4114.3	3899.4	3892.7	3865.1	3900.0	3870.2	3857.8	3868.9	4081.5
17°	4454.4	4352.6	4109.3	3875.6	3857.0	3850.5	3891.9	3851.8	3824.6	3845.8	4073.2
18°	4479.3	4366.8	4100.9	3850.4	3812.6	3835.6	3886.0	3836.6	3793.1	3820.4	4069.4
19°	4502.8	4382.4	4092.0	3825.0	3778.1	3821.2	3879.9	3824.6	3757.6	3794.4	4058.2
20°	4523.6	4396.1	4083.4	3790.5	3742.7	3804.8	3873.9	3814.9	3725.4	3762.6	4046.0
21°	4544.5	4408.8	4065.7	3763.1	3707.3	3784.2	3867.5	3801.6	3691.6	3736.0	4032.6
22°	4562.4	4420.1	4053.6	3734.6	3674.5	3769.5	3857.7	3788.9	3660.7	3711.9	4009.2
23°	4583.7	4436.7	4039.0	3710.2	3640.8	3755.5	3852.9	3775.4	3622.7	3684.7	3992.1
24°	4604.0	4447.9	4025.0	3682.6	3608.3	3742.3	3849.0	3757.8	3593.6	3660.9	3973.8
25°	4633.6	4458.3	4015.0	3655.0	3573.7	3733.0	3843.8	3746.4	3559.8	3638.4	3956.2
26°	4655.3	4468.5	3997.7	3628.7	3540.5	3722.0	3845.4	3733.2	3529.0	3610.9	3934.4
27°	4674.6	4472.1	3979.7	3597.5	3506.2	3707.4	3840.8	3719.2	3495.6	3580.6	3913.0
28°	4696.2	4482.8	3949.5	3568.9	3471.1	3688.4	3836.7	3706.6	3461.9	3547.2	3890.6
29°	4712.6	4493.0	3928.6	3538.4	3426.9	3672.2	3833.7	3693.2	3427.3	3510.0	3865.7
30°	4732.7	4500.9	3907.4	3503.8	3390.8	3656.4	3824.4	3679.6	3384.0	3464.0	3841.2
31°	4752.1	4516.9	3886.4	3460.1	3353.3	3642.3	3817.6	3663.7	3347.9	3400.5	3815.2
32°	4775.4	4528.1	3864.2	3415.5	3315.4	3624.0	3811.0	3651.2	3313.3	3341.6	3789.4
33°	4789.5	4537.8	3841.0	3366.7	3280.3	3609.8	3802.6	3637.5	3277.9	3281.1	3753.1
34°	4802.3	4548.3	3815.7	3308.3	3242.1	3594.9	3789.6	3623.9	3239.3	3220.8	3723.8
35°	4811.5	4555.0	3789.4	3243.6	3204.4	3578.3	3781.4	3601.2	3200.4	3162.1	3692.6
36°	4817.3	4560.8	3757.4	3180.7	3164.7	3562.1	3775.5	3580.2	3160.0	3099.4	3660.5
37°	4820.6	4567.3	3727.3	3117.2	3115.3	3541.3	3777.6	3560.6	3120.9	3036.7	3632.2
38°	4818.3	4568.3	3697.4	3051.1	3072.7	3520.3	3771.0	3545.8	3077.8	2963.9	3599.1
39°	4810.9	4567.2	3667.5	2972.7	3031.0	3505.2	3746.7	3540.2	3035.5	2899.4	3566.7
40°	4798.4	4559.7	3630.6	2907.0	2987.8	3493.0	3714.2	3529.5	2993.1	2834.9	3525.8
41°	4773.0	4551.4	3604.0	2841.3	2940.5	3475.9	3688.6	3503.5	2948.9	2771.3	3493.0
42°	4749.8	4540.4	3576.7	2776.7	2895.9	3451.8	3676.9	3464.7	2896.1	2708.6	3462.4
43°	4723.4	4520.0	3550.4	2708.5	2850.6	3410.6	3652.3	3434.0	2850.3	2637.7	3433.2
44°	4695.6	4497.0	3529.9	2641.2	2802.7	3389.3	3615.0	3418.9	2802.3	2574.0	3403.5

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	4655.2	4469.6	3507.0	2575.8	2749.2	3373.2	3572.8	3393.0	2754.7	2509.2	3378.3
46°	4573.4	4438.5	3486.2	2501.4	2697.2	3349.2	3516.3	3356.4	2712.4	2438.9	3353.1
47°	4504.3	4392.1	3458.2	2433.0	2649.9	3312.8	3446.1	3313.6	2677.0	2371.0	3330.0
48°	4432.6	4331.1	3438.4	2363.3	2611.4	3267.4	3360.2	3270.6	2633.8	2303.1	3306.0
49°	4354.3	4244.5	3417.8	2293.7	2564.7	3223.7	3236.0	3223.2	2563.9	2233.7	3284.0
50°	4264.8	4175.4	3397.4	2222.8	2504.9	3178.5	3103.3	3155.7	2511.4	2153.6	3261.2
51°	4155.2	4107.3	3377.5	2144.5	2445.0	3122.4	2946.0	3075.7	2467.9	2083.3	3237.8
52°	4044.4	4017.9	3355.3	2073.9	2400.2	3039.4	2776.3	2980.8	2420.3	2013.6	3214.6
53°	3928.2	3914.9	3330.8	2001.6	2354.1	2950.0	2583.3	2867.2	2365.0	1941.8	3182.4
54°	3809.3	3785.4	3305.1	1925.0	2302.7	2841.2	2422.9	2732.4	2312.2	1864.6	3154.6
55°	3678.0	3665.8	3279.0	1852.0	2248.5	2701.5	2286.1	2559.7	2257.9	1791.2	3127.9
56°	3560.7	3534.9	3252.7	1777.4	2184.9	2551.9	2175.8	2393.3	2200.2	1716.0	3104.3
57°	3438.3	3388.2	3223.0	1691.5	2126.3	2389.8	2078.9	2231.6	2135.4	1638.0	3073.7
58°	3308.3	3251.9	3180.1	1613.3	2064.2	2224.4	2003.4	2088.2	2069.7	1561.9	3040.2
59°	3150.5	3115.7	3101.0	1536.5	1997.8	2057.9	1936.6	1964.6	2003.2	1475.6	2982.8
60°	2999.0	2978.2	3037.0	1459.2	1922.4	1939.4	1875.5	1873.8	1933.5	1398.1	2906.1
61°	2833.4	2829.5	2970.2	1376.2	1853.7	1846.7	1742.2	1800.5	1851.5	1320.8	2842.0
62°	2649.5	2687.7	2870.6	1302.5	1780.6	1770.7	1578.2	1735.5	1780.7	1237.6	2762.6
63°	2461.6	2546.0	2748.8	1228.6	1699.9	1702.5	1472.9	1664.8	1704.6	1170.9	2653.9
64°	2285.0	2398.6	2601.3	1154.0	1624.3	1640.8	1403.5	1545.5	1616.7	1105.2	2504.3
65°	2151.1	2209.7	2429.1	1077.7	1544.2	1526.7	1330.9	1421.4	1507.7	1032.1	2338.9
66°	2017.5	2023.1	2205.0	1008.7	1452.9	1393.8	1257.8	1348.3	1385.3	957.4	2142.8
67°	1815.7	1866.5	1979.0	931.9	1333.5	1329.7	1177.3	1295.8	1244.4	887.7	1916.0
68°	1588.7	1717.5	1734.8	855.6	1203.3	1279.2	1090.1	1243.6	1107.6	816.8	1651.4
69°	1472.0	1495.6	1488.6	773.8	1060.6	1228.1	1009.9	1183.6	982.7	735.2	1395.6
70°	1402.2	1311.7	1260.6	702.9	924.8	1163.8	925.5	1116.9	901.8	662.9	1149.5
71°	1336.8	1231.6	1103.6	632.3	831.9	1105.4	838.3	1058.8	845.3	593.9	964.8
72°	1267.5	1171.6	1120.4	558.7	769.9	1050.0	733.8	997.6	779.3	527.1	902.0
73°	1192.6	1117.3	1218.4	494.0	711.1	987.0	637.0	933.3	712.6	457.6	1059.6
74°	1104.0	1063.2	956.2	434.1	639.9	925.0	548.3	857.6	672.8	398.2	942.7
75°	1016.2	1005.5	624.1	378.2	599.8	861.0	468.9	780.2	635.3	344.2	564.4
76°	928.7	932.7	520.7	321.4	562.9	787.8	398.0	691.7	593.8	294.6	448.1
77°	836.7	862.9	458.5	276.8	519.3	691.4	341.2	603.9	552.5	247.4	392.9
78°	752.0	802.3	457.1	236.2	483.0	604.3	287.9	516.8	516.5	208.1	378.2
79°	665.0	747.5	452.6	200.7	448.6	522.9	221.3	449.7	481.3	173.3	401.1
80°	579.8	687.7	344.7	164.2	415.6	456.0	145.3	389.6	440.7	140.8	296.2
81°	486.5	625.5	239.6	131.6	377.8	389.6	91.4	325.1	402.0	111.3	200.2
82°	402.2	543.3	202.5	102.3	342.6	330.3	71.9	255.9	363.5	83.3	166.2
83°	318.2	444.3	176.4	74.8	305.7	256.7	55.5	158.9	321.8	63.1	143.6
84°	243.9	383.0	151.4	55.3	266.0	153.9	41.2	73.4	272.9	47.0	125.7
85°	166.3	321.5	128.8	39.9	226.1	60.1	32.7	37.6	226.3	32.8	106.9
86°	117.9	237.5	108.8	27.8	177.0	31.1	20.6	25.3	184.8	22.7	87.2
87°	70.2	158.5	78.3	16.5	140.5	18.8	13.0	15.6	131.0	14.8	59.8
88°	24.7	58.5	34.0	8.4	81.7	10.0	8.9	9.6	49.3	8.5	20.9
89°	3.0	3.3	3.2	3.5	21.1	4.9	7.0	7.1	7.0	4.7	5.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	2.0	2.4	2.3	1.6	2.8	3.2	7.2	7.1	6.6	4.3	5.4
91°	2.0	2.6	2.5	2.0	3.0	3.5	7.8	7.7	7.2	4.7	6.0
92°	2.4	3.0	2.7	2.2	3.4	3.7	8.5	8.2	7.8	5.2	6.3
93°	2.7	3.1	3.0	2.5	3.6	4.3	9.2	9.2	8.4	5.7	6.7
94°	2.7	3.5	3.3	2.6	4.0	4.4	10.1	9.8	9.1	6.1	7.1
95°	3.1	3.8	3.6	2.8	4.6	4.8	10.8	10.6	9.8	6.6	7.7
96°	3.3	4.0	3.9	3.2	5.0	5.4	11.5	11.3	10.4	7.1	8.0
97°	3.8	4.5	4.3	3.3	5.4	6.0	12.6	12.0	11.2	7.8	8.7
98°	4.1	4.8	4.4	3.8	6.2	6.5	13.3	13.0	11.9	8.3	9.2
99°	4.3	5.4	5.0	4.1	6.7	6.9	14.3	14.0	12.9	8.7	9.7
100°	4.8	5.8	5.4	4.5	7.2	7.5	15.2	14.8	13.4	9.5	10.3
101°	5.5	6.1	5.8	5.0	7.6	8.1	16.1	15.6	14.3	9.9	10.7
102°	5.9	6.6	6.2	5.4	8.4	8.9	17.1	16.8	15.1	10.6	11.4
103°	6.3	7.2	6.6	6.0	8.9	9.4	18.2	17.5	16.1	11.2	11.9
104°	6.8	7.8	7.0	6.3	9.4	10.1	18.8	18.6	16.9	12.1	12.8
105°	7.4	8.0	7.5	6.8	10.1	10.8	20.0	19.7	17.5	12.6	13.4
106°	7.9	8.7	8.0	7.4	10.8	11.5	20.9	20.7	18.4	13.4	14.0
107°	8.5	9.3	8.6	7.9	11.3	12.3	22.1	21.7	19.4	14.1	14.7
108°	9.1	9.9	9.1	8.5	12.0	13.2	23.2	22.7	20.0	14.9	15.2
109°	9.8	10.5	9.7	9.1	13.0	14.1	24.2	23.8	21.1	15.4	15.8
110°	10.3	11.1	10.1	9.7	13.6	14.9	25.1	24.7	21.8	16.3	16.6
111°	11.1	11.6	10.5	10.2	14.3	15.7	26.6	26.0	22.5	17.0	17.3
112°	11.6	12.3	11.1	10.7	14.9	16.7	27.6	27.0	23.3	17.7	18.1
113°	12.3	13.1	11.6	11.4	15.5	17.8	28.4	27.9	24.1	18.6	18.3
114°	13.1	13.7	12.1	12.1	16.2	18.5	29.5	28.9	25.0	19.1	19.1
115°	13.8	14.4	12.9	12.8	16.9	19.4	30.5	29.6	25.5	20.0	19.9
116°	14.5	15.0	13.4	13.5	17.7	20.7	31.6	30.8	26.2	20.7	20.3
117°	15.4	15.8	13.8	13.9	18.2	21.2	32.4	31.6	27.2	21.4	21.0
118°	16.2	16.4	14.5	14.6	18.9	22.1	33.5	32.3	27.4	22.2	21.6
119°	16.8	17.2	15.1	15.2	19.6	23.1	34.4	33.2	28.2	23.2	22.3
120°	17.7	18.0	15.7	15.8	20.4	23.9	35.2	34.1	28.9	23.7	22.9
121°	18.3	18.5	16.2	16.7	21.0	25.0	36.0	34.8	29.4	24.4	23.6
122°	19.2	19.4	16.9	17.3	21.6	25.5	36.7	35.6	30.2	25.0	24.1
123°	20.0	19.8	17.7	17.8	22.3	26.5	37.5	36.0	31.0	25.7	24.8
124°	20.7	20.5	18.0	18.6	23.1	27.3	38.3	36.9	31.6	26.3	25.4
125°	21.4	21.1	18.7	19.2	23.8	27.8	39.0	37.4	32.1	27.2	26.0
126°	22.1	21.9	19.2	20.0	24.5	28.7	39.6	37.9	32.4	27.7	26.7
127°	22.9	22.4	20.0	20.5	25.0	29.4	40.0	38.3	33.1	28.0	27.2
128°	23.6	22.9	20.6	21.2	26.0	30.2	40.6	39.0	33.7	28.6	27.5
129°	24.5	23.8	21.1	21.9	26.7	31.0	41.1	39.5	34.4	29.4	28.2
130°	25.0	24.3	21.6	22.3	27.4	31.7	41.4	39.9	34.8	29.8	28.8
131°	25.5	24.9	22.2	23.1	28.0	32.0	42.0	40.3	35.4	30.4	29.4
132°	26.2	25.3	22.9	23.9	28.6	32.9	42.4	40.8	35.8	30.8	29.6
133°	26.9	26.1	23.4	24.3	29.3	33.5	42.7	41.1	36.4	31.5	30.4
134°	27.4	26.5	24.0	24.9	30.2	34.2	43.1	41.5	36.7	31.8	30.9

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

Scaled Data Report

REPORT NUMBER: P1449831
CATALOG NUMBER: TWC100_T3_40W_4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	27.8	26.9	24.5	25.3	30.8	34.6	43.5	41.9	37.3	32.5	31.2
136°	28.4	27.4	25.0	26.0	31.5	35.4	43.7	42.2	37.6	33.0	31.8
137°	29.0	28.0	25.7	26.7	32.1	36.0	44.1	42.4	38.2	33.3	32.4
138°	29.5	28.5	26.1	27.3	32.7	36.5	44.3	42.7	38.4	33.8	32.6
139°	30.0	29.3	26.9	27.8	33.3	37.2	44.4	42.8	38.9	34.2	33.2
140°	30.6	29.6	27.3	28.3	33.9	37.6	44.9	43.0	39.1	34.8	33.8
141°	31.0	30.0	27.9	28.7	34.5	38.4	44.9	43.2	39.5	35.2	33.9
142°	31.7	30.5	28.3	29.1	35.0	38.5	45.0	43.5	39.6	35.5	34.4
143°	31.7	31.0	28.9	29.6	35.5	39.2	44.9	43.6	39.9	36.1	34.9
144°	32.4	31.5	29.4	30.4	35.9	39.7	44.9	43.7	40.3	36.3	35.2
145°	32.8	31.8	30.2	30.9	36.1	40.1	45.0	43.8	40.6	36.7	35.6
146°	33.3	32.2	30.5	31.3	36.7	40.7	45.0	43.9	40.8	37.2	36.0
147°	33.6	32.7	31.1	31.8	37.1	41.0	45.0	44.1	41.1	37.6	36.4
148°	34.1	33.1	31.6	32.3	37.4	41.5	44.9	44.2	41.1	38.0	36.8
149°	34.7	33.7	31.7	32.7	37.8	41.6	45.1	44.3	41.4	38.3	37.4
150°	35.0	34.1	32.3	33.2	38.2	41.9	45.2	44.3	41.5	38.8	37.5
151°	35.5	34.5	32.9	33.8	38.4	42.2	45.1	44.6	41.8	38.9	37.8
152°	35.9	34.9	33.5	34.3	38.7	42.5	45.1	44.5	42.0	39.3	38.3
153°	36.1	35.3	34.0	34.5	38.9	42.7	45.1	44.5	42.1	39.7	38.6
154°	36.7	35.6	34.4	35.0	39.3	43.0	45.0	44.3	42.4	39.9	38.7
155°	37.1	36.1	34.7	35.4	39.6	43.0	44.8	44.4	42.4	40.1	39.2
156°	37.3	36.1	35.2	36.0	39.7	43.0	44.6	44.3	42.6	40.4	39.5
157°	37.4	36.3	35.4	36.1	40.1	43.3	44.5	44.3	42.5	40.7	39.7
158°	37.8	36.7	35.7	36.6	40.1	43.4	44.3	44.4	42.7	40.9	39.9
159°	38.0	37.2	36.2	36.8	40.7	43.5	44.3	44.2	42.7	41.1	40.2
160°	38.1	37.4	36.6	37.5	40.9	43.5	44.1	44.2	42.7	41.3	40.1
161°	38.4	37.6	37.1	37.9	41.2	43.8	43.9	44.1	42.8	41.5	40.6
162°	38.7	38.1	37.4	38.5	41.5	43.8	43.8	43.9	42.8	41.7	41.0
163°	38.8	38.3	37.7	38.7	41.6	44.1	43.5	43.9	42.9	42.0	41.1
164°	39.1	38.3	38.0	38.9	41.8	44.2	43.5	43.7	43.0	42.0	41.1
165°	39.1	38.5	38.3	39.2	42.0	44.1	43.3	43.7	43.0	42.0	41.4
166°	39.5	39.0	38.6	39.5	42.2	44.2	43.3	43.7	43.0	42.3	41.7
167°	39.6	39.2	38.9	39.9	42.3	44.4	43.1	43.6	43.0	42.4	41.8
168°	39.9	39.5	39.3	40.3	42.5	44.3	43.1	43.5	43.2	42.7	42.1
169°	40.2	39.6	39.7	40.6	42.5	44.1	43.2	43.4	43.2	42.7	42.1
170°	40.4	39.9	40.0	40.9	42.7	44.4	43.2	43.3	43.4	42.9	42.4
171°	40.7	40.1	40.3	41.3	43.0	44.5	43.1	43.3	43.4	43.1	42.4
172°	41.2	40.4	40.7	41.5	43.0	44.2	43.2	43.3	43.1	43.1	42.5
173°	41.1	40.8	41.1	41.8	43.2	44.2	43.3	43.2	43.1	43.3	42.9
174°	41.4	41.1	41.1	42.1	43.4	44.1	43.5	43.2	43.1	43.3	43.1
175°	41.9	41.3	41.6	42.4	43.4	44.4	43.5	43.2	43.1	43.4	43.1
176°	42.2	41.5	41.8	42.6	43.4	44.1	43.3	43.0	43.1	43.4	43.3
177°	42.3	42.0	42.0	42.7	43.4	44.2	43.2	43.0	43.1	43.3	43.4
178°	42.8	42.0	42.3	42.9	43.5	44.1	43.3	42.8	42.9	43.4	43.5
179°	42.6	42.3	42.4	43.2	43.6	43.9	43.1	42.8	42.8	43.3	43.7

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

Scaled Data Report

REPORT NUMBER: P1449831
CATALOG NUMBER: TWC100_T3_40W_4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	*43.2*	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2

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

Scaled Data Report

REPORT NUMBER: P1449831
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CANDELA DISTRIBUTION (continued):

	330°	360°
0°	4087.3	4087.3
1°	4104.2	4107.5
2°	4120.8	4126.6
3°	4136.9	4147.6
4°	4152.2	4164.5
5°	4163.7	4184.8
6°	4178.4	4204.8
7°	4191.7	4222.6
8°	4213.8	4252.6
9°	4228.6	4273.5
10°	4241.9	4294.4
11°	4256.7	4310.6
12°	4263.6	4331.3
13°	4276.2	4352.9
14°	4290.1	4375.5
15°	4311.4	4405.9
16°	4325.6	4428.4
17°	4339.1	4454.4
18°	4353.3	4479.3
19°	4364.6	4502.8
20°	4377.9	4523.6
21°	4388.1	4544.5
22°	4396.3	4562.4
23°	4405.4	4583.7
24°	4414.3	4604.0
25°	4423.5	4633.6
26°	4440.6	4655.3
27°	4449.4	4674.6
28°	4458.0	4696.2
29°	4464.0	4712.6
30°	4465.4	4732.7
31°	4473.9	4752.1
32°	4481.3	4775.4
33°	4498.0	4789.5
34°	4505.5	4802.3
35°	4511.7	4811.5
36°	4516.1	4817.3
37°	*4515.2*	*4820.6*
38°	4516.1	4818.3
39°	4511.7	4810.9
40°	4502.6	4798.4
41°	4484.1	4773.0
42°	4468.9	4749.8
43°	4445.0	4723.4
44°	4420.1	4695.6

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1449831
CATALOG NUMBER: TWC100_T3_40W_4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	4392.7	4655.2
46°	4359.1	4573.4
47°	4317.6	4504.3
48°	4245.5	4432.6
49°	4148.9	4354.3
50°	4082.8	4264.8
51°	4006.5	4155.2
52°	3912.1	4044.4
53°	3799.1	3928.2
54°	3681.8	3809.3
55°	3554.9	3678.0
56°	3420.4	3560.7
57°	3270.4	3438.3
58°	3132.1	3308.3
59°	2993.8	3150.5
60°	2836.9	2999.0
61°	2697.1	2833.4
62°	2558.9	2649.5
63°	2419.8	2461.6
64°	2261.9	2285.0
65°	2085.3	2151.1
66°	1906.7	2017.5
67°	1769.1	1815.7
68°	1591.7	1588.7
69°	1361.6	1472.0
70°	1228.4	1402.2
71°	1164.7	1336.8
72°	1107.1	1267.5
73°	1052.3	1192.6
74°	996.7	1104.0
75°	937.6	1016.2
76°	861.0	928.7
77°	795.3	836.7
78°	739.7	752.0
79°	687.0	665.0
80°	625.9	579.8
81°	563.3	486.5
82°	475.4	402.2
83°	395.5	318.2
84°	336.6	243.9
85°	257.7	166.3
86°	195.2	117.9
87°	110.6	70.2
88°	8.3	24.7
89°	5.5	3.0

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

REPORT NUMBER: P1449831
CATALOG NUMBER: TWC100_T3_40W_4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	6.0	2.0
91°	6.2	2.0
92°	6.7	2.4
93°	7.2	2.7
94°	7.8	2.7
95°	8.4	3.1
96°	9.0	3.3
97°	9.7	3.8
98°	10.2	4.1
99°	10.9	4.3
100°	11.6	4.8
101°	12.3	5.5
102°	13.1	5.9
103°	13.7	6.3
104°	14.3	6.8
105°	15.1	7.4
106°	16.0	7.9
107°	16.7	8.5
108°	17.3	9.1
109°	17.8	9.8
110°	18.7	10.3
111°	19.4	11.1
112°	20.4	11.6
113°	21.0	12.3
114°	21.7	13.1
115°	22.4	13.8
116°	23.2	14.5
117°	24.1	15.4
118°	24.7	16.2
119°	25.3	16.8
120°	26.0	17.7
121°	26.7	18.3
122°	27.5	19.2
123°	27.7	20.0
124°	28.5	20.7
125°	29.0	21.4
126°	29.6	22.1
127°	30.0	22.9
128°	30.5	23.6
129°	30.8	24.5
130°	31.4	25.0
131°	31.8	25.5
132°	32.1	26.2
133°	32.5	26.9
134°	33.0	27.4

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Scaled Data Report

REPORT NUMBER: P1449831
CATALOG NUMBER: TWC100_T3_40W_4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	33.7	27.8
136°	33.9	28.4
137°	34.2	29.0
138°	34.5	29.5
139°	34.9	30.0
140°	35.2	30.6
141°	35.5	31.0
142°	35.9	31.7
143°	36.3	31.7
144°	36.4	32.4
145°	36.6	32.8
146°	36.9	33.3
147°	37.1	33.6
148°	37.7	34.1
149°	38.0	34.7
150°	38.0	35.0
151°	38.2	35.5
152°	38.5	35.9
153°	38.6	36.1
154°	38.7	36.7
155°	38.9	37.1
156°	39.1	37.3
157°	39.3	37.4
158°	39.4	37.8
159°	39.7	38.0
160°	39.9	38.1
161°	40.2	38.4
162°	40.1	38.7
163°	40.3	38.8
164°	40.6	39.1
165°	40.7	39.1
166°	41.1	39.5
167°	41.2	39.6
168°	41.5	39.9
169°	41.5	40.2
170°	41.8	40.4
171°	42.2	40.7
172°	42.2	41.2
173°	42.5	41.1
174°	42.6	41.4
175°	43.0	41.9
176°	43.1	42.2
177°	43.3	42.3
178°	43.4	42.8
179°	43.6	42.6

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

REPORT NUMBER: P1449831
CATALOG NUMBER: TWC100_T3_40W_4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	43.2	43.2

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: SP1-2601-659-2

Test Date: 02/12/2026

Luminaire Tested: MWP2460W34VDDKYYAD-T4-24W-4000K

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

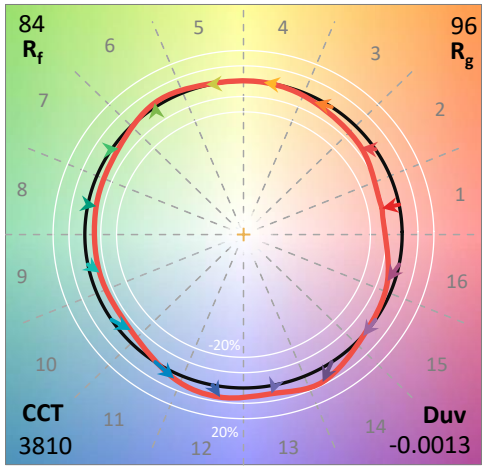
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2601-659-2
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-4000K**
Description:	Mester Wedge, at T4 beam setting, 24W output, 4000K

Spectral Parameters

CCT (K):	3810
CIE u':	0.2295
CIE v':	0.5035
Duv:	-0.0013
CIE x:	0.3881
CIE y:	0.3785
CIE z:	0.2334
Peak Wavelength (nm):	453
Dominant Wavelength (nm):	580
Purity:	30.07368
Rf:	84.4
Rg:	96.5

CRI (Ra):	84.5				
R1:	83.7	R9:	15.9		
R2:	90.7	R10:	77.2		
R3:	95.1	R11:	83.0		
R4:	83.6	R12:	62.4		
R5:	83.4	R13:	85.6		
R6:	86.7	R14:	97.4		
R7:	86.3	R15:	77.9		
R8:	66.5				



Test Conditions

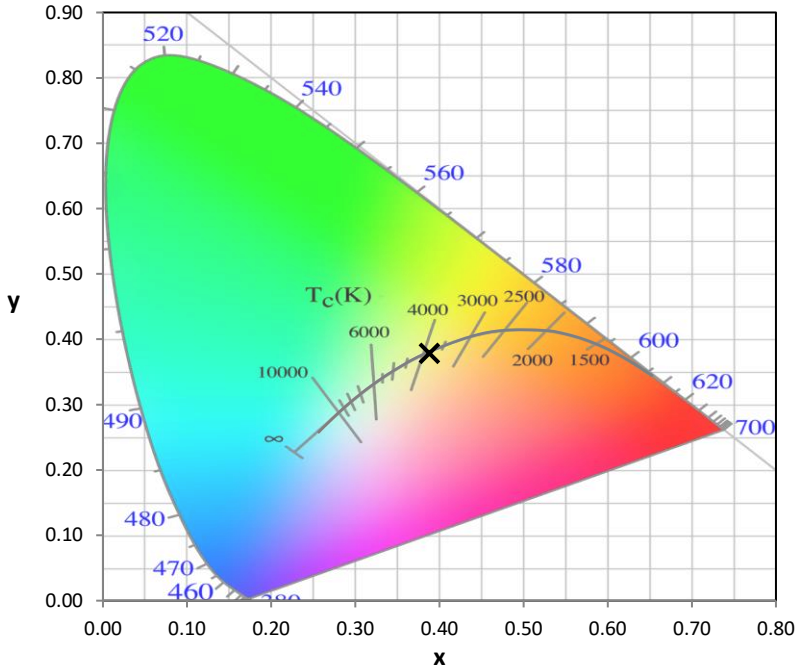
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2601-659-2

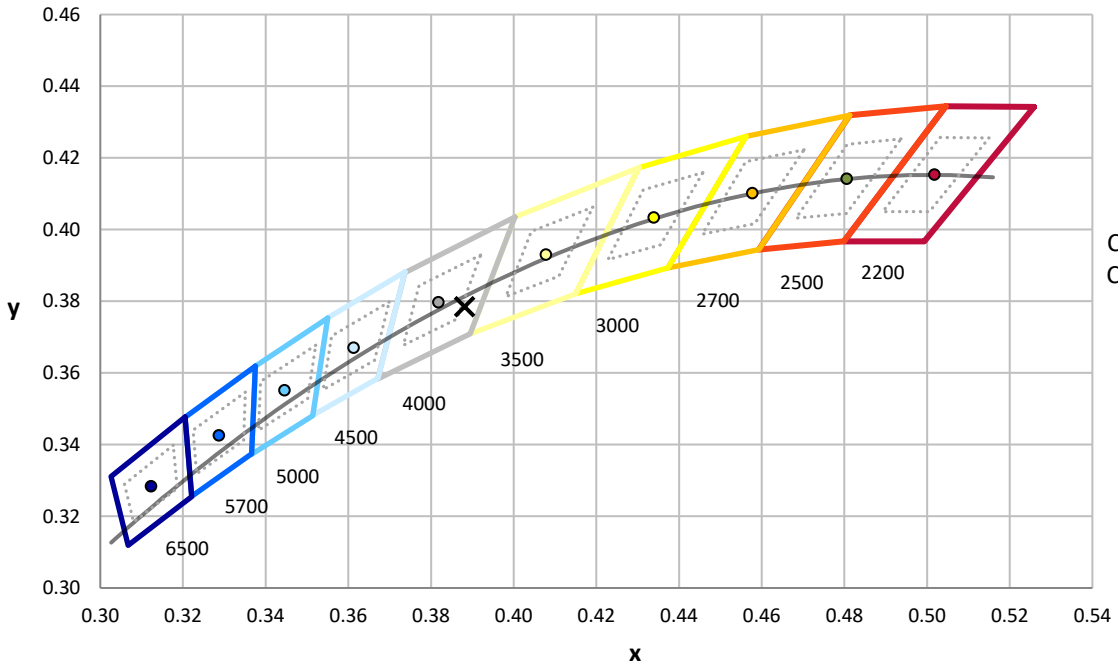
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	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: SP1-2601-659-2

CIE 1931 Chromaticity Diagram



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



CCT = 3810K
CIE x = 0.3881
CIE y = 0.3785
Duv = -0.0013

Point lies inside the ANSI 4000K 7-step quadrangle

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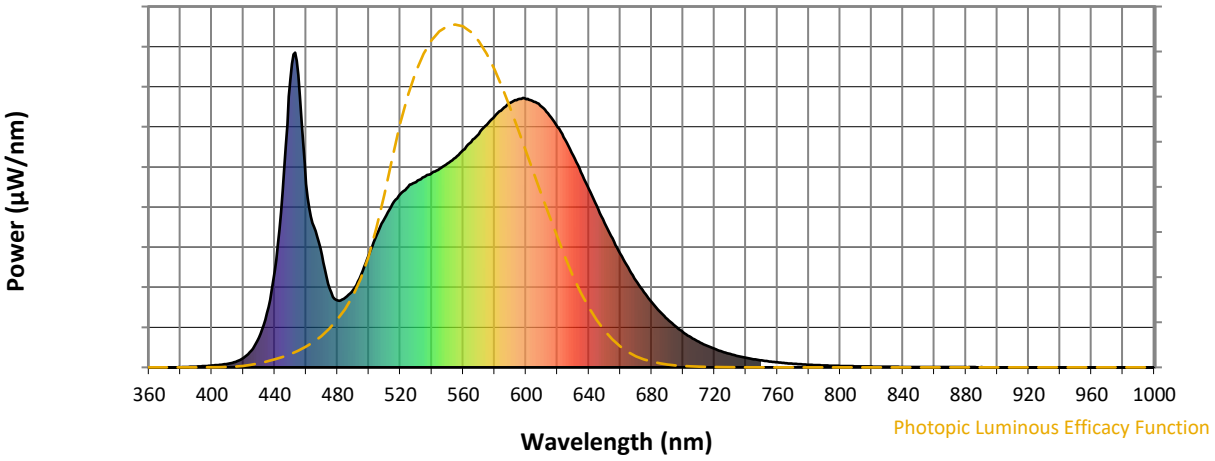
Photopic Flux vs. Wavelength



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	247	NR	620	764	NR	750	22	NR	880	1	NR
365	0	NR	495	294	NR	625	723	NR	755	19	NR	885	1	NR
370	0	NR	500	359	NR	630	674	NR	760	16	NR	890	1	NR
375	0	NR	505	421	NR	635	620	NR	765	14	NR	895	0	NR
380	1	NR	510	474	NR	640	566	NR	770	12	NR	900	0	NR
385	1	NR	515	518	NR	645	512	NR	775	10	NR	905	0	NR
390	3	NR	520	552	NR	650	459	NR	780	8	NR	910	0	NR
395	4	NR	525	574	NR	655	410	NR	785	7	NR	915	0	NR
400	6	NR	530	589	NR	660	361	NR	790	6	NR	920	0	NR
405	8	NR	535	605	NR	665	317	NR	795	5	NR	925	0	NR
410	11	NR	540	617	NR	670	276	NR	800	5	NR	930	0	NR
415	18	NR	545	632	NR	675	239	NR	805	4	NR	935	0	NR
420	30	NR	550	648	NR	680	207	NR	810	3	NR	940	0	NR
425	53	NR	555	666	NR	685	178	NR	815	3	NR	945	0	NR
430	95	NR	560	690	NR	690	153	NR	820	3	NR	950	0	NR
435	173	NR	565	716	NR	695	131	NR	825	2	NR	955	0	NR
440	304	NR	570	742	NR	700	112	NR	830	2	NR	960	0	NR
445	559	NR	575	771	NR	705	95	NR	835	2	NR	965	0	NR
450	915	NR	580	798	NR	710	81	NR	840	1	NR	970	0	NR
455	929	NR	585	820	NR	715	69	NR	845	1	NR	975	0	NR
460	582	NR	590	841	NR	720	59	NR	850	1	NR	980	0	NR
465	446	NR	595	852	NR	725	50	NR	855	1	NR	985	0	NR
470	356	NR	600	852	NR	730	42	NR	860	1	NR	990	0	NR
475	250	NR	605	845	NR	735	36	NR	865	1	NR	995	0	NR
480	212	NR	610	827	NR	740	30	NR	870	1	NR	1000	0	NR
485	221	NR	615	801	NR	745	26	NR	875	1	NR			

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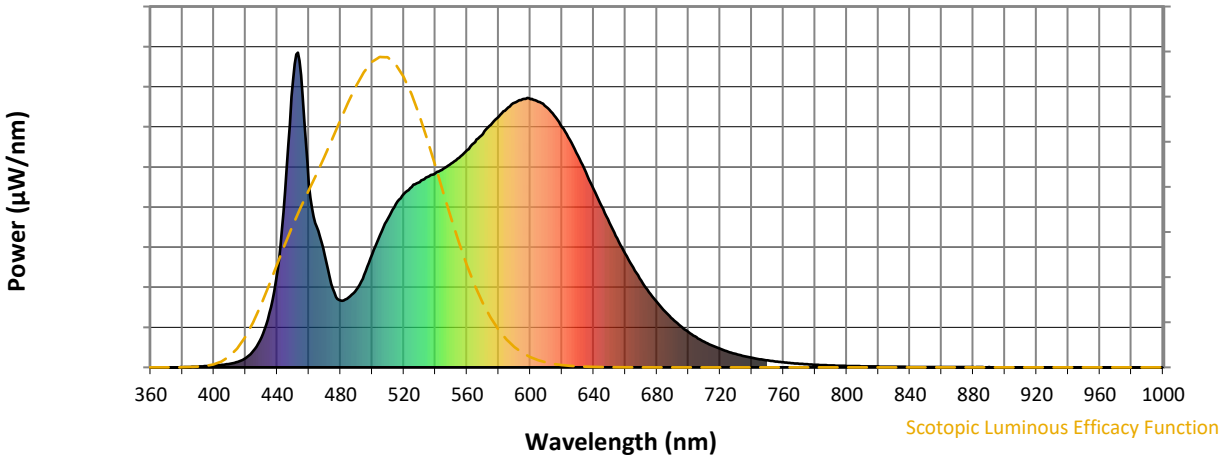
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.64**

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	247	NR	620	764	NR	750	22	NR	880	1	NR
365	0	NR	495	294	NR	625	723	NR	755	19	NR	885	1	NR
370	0	NR	500	359	NR	630	674	NR	760	16	NR	890	1	NR
375	0	NR	505	421	NR	635	620	NR	765	14	NR	895	0	NR
380	1	NR	510	474	NR	640	566	NR	770	12	NR	900	0	NR
385	1	NR	515	518	NR	645	512	NR	775	10	NR	905	0	NR
390	3	NR	520	552	NR	650	459	NR	780	8	NR	910	0	NR
395	4	NR	525	574	NR	655	410	NR	785	7	NR	915	0	NR
400	6	NR	530	589	NR	660	361	NR	790	6	NR	920	0	NR
405	8	NR	535	605	NR	665	317	NR	795	5	NR	925	0	NR
410	11	NR	540	617	NR	670	276	NR	800	5	NR	930	0	NR
415	18	NR	545	632	NR	675	239	NR	805	4	NR	935	0	NR
420	30	NR	550	648	NR	680	207	NR	810	3	NR	940	0	NR
425	53	NR	555	666	NR	685	178	NR	815	3	NR	945	0	NR
430	95	NR	560	690	NR	690	153	NR	820	3	NR	950	0	NR
435	173	NR	565	716	NR	695	131	NR	825	2	NR	955	0	NR
440	304	NR	570	742	NR	700	112	NR	830	2	NR	960	0	NR
445	559	NR	575	771	NR	705	95	NR	835	2	NR	965	0	NR
450	915	NR	580	798	NR	710	81	NR	840	1	NR	970	0	NR
455	929	NR	585	820	NR	715	69	NR	845	1	NR	975	0	NR
460	582	NR	590	841	NR	720	59	NR	850	1	NR	980	0	NR
465	446	NR	595	852	NR	725	50	NR	855	1	NR	985	0	NR
470	356	NR	600	852	NR	730	42	NR	860	1	NR	990	0	NR
475	250	NR	605	845	NR	735	36	NR	865	1	NR	995	0	NR
480	212	NR	610	827	NR	740	30	NR	870	1	NR	1000	0	NR
485	221	NR	615	801	NR	745	26	NR	875	1	NR			

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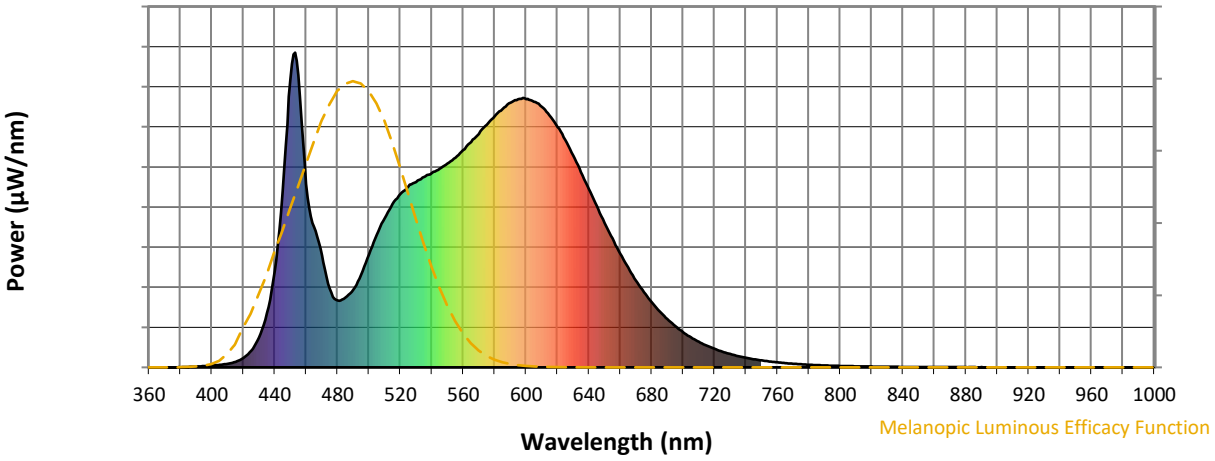
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.35**

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	247	NR	620	764	NR	750	22	NR	880	1	NR
365	0	NR	495	294	NR	625	723	NR	755	19	NR	885	1	NR
370	0	NR	500	359	NR	630	674	NR	760	16	NR	890	1	NR
375	0	NR	505	421	NR	635	620	NR	765	14	NR	895	0	NR
380	1	NR	510	474	NR	640	566	NR	770	12	NR	900	0	NR
385	1	NR	515	518	NR	645	512	NR	775	10	NR	905	0	NR
390	3	NR	520	552	NR	650	459	NR	780	8	NR	910	0	NR
395	4	NR	525	574	NR	655	410	NR	785	7	NR	915	0	NR
400	6	NR	530	589	NR	660	361	NR	790	6	NR	920	0	NR
405	8	NR	535	605	NR	665	317	NR	795	5	NR	925	0	NR
410	11	NR	540	617	NR	670	276	NR	800	5	NR	930	0	NR
415	18	NR	545	632	NR	675	239	NR	805	4	NR	935	0	NR
420	30	NR	550	648	NR	680	207	NR	810	3	NR	940	0	NR
425	53	NR	555	666	NR	685	178	NR	815	3	NR	945	0	NR
430	95	NR	560	690	NR	690	153	NR	820	3	NR	950	0	NR
435	173	NR	565	716	NR	695	131	NR	825	2	NR	955	0	NR
440	304	NR	570	742	NR	700	112	NR	830	2	NR	960	0	NR
445	559	NR	575	771	NR	705	95	NR	835	2	NR	965	0	NR
450	915	NR	580	798	NR	710	81	NR	840	1	NR	970	0	NR
455	929	NR	585	820	NR	715	69	NR	845	1	NR	975	0	NR
460	582	NR	590	841	NR	720	59	NR	850	1	NR	980	0	NR
465	446	NR	595	852	NR	725	50	NR	855	1	NR	985	0	NR
470	356	NR	600	852	NR	730	42	NR	860	1	NR	990	0	NR
475	250	NR	605	845	NR	735	36	NR	865	1	NR	995	0	NR
480	212	NR	610	827	NR	740	30	NR	870	1	NR	1000	0	NR
485	221	NR	615	801	NR	745	26	NR	875	1	NR			

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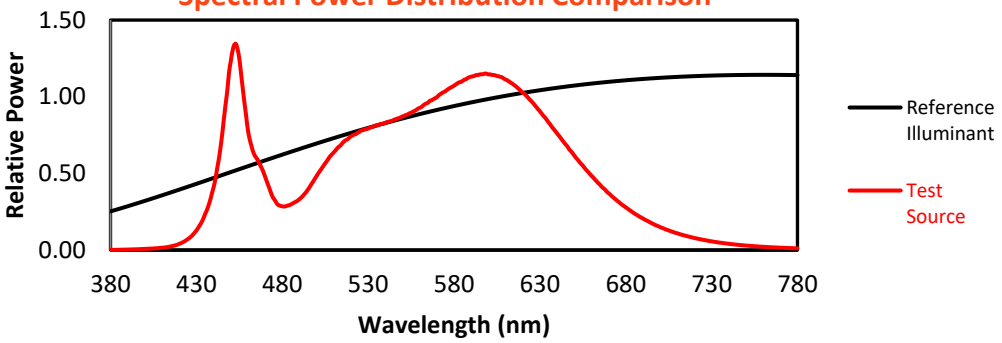
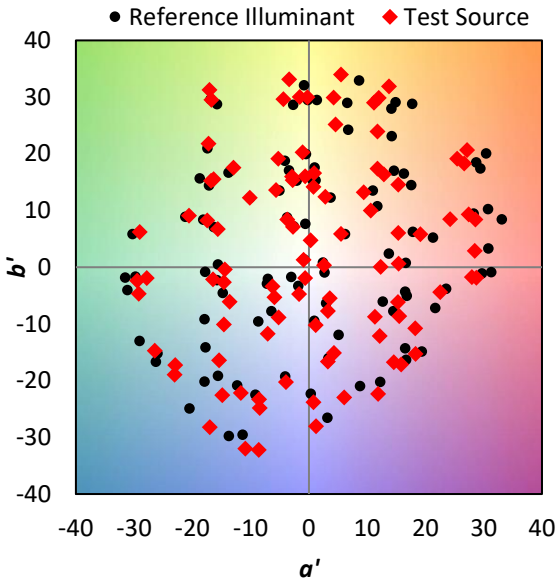
Summary

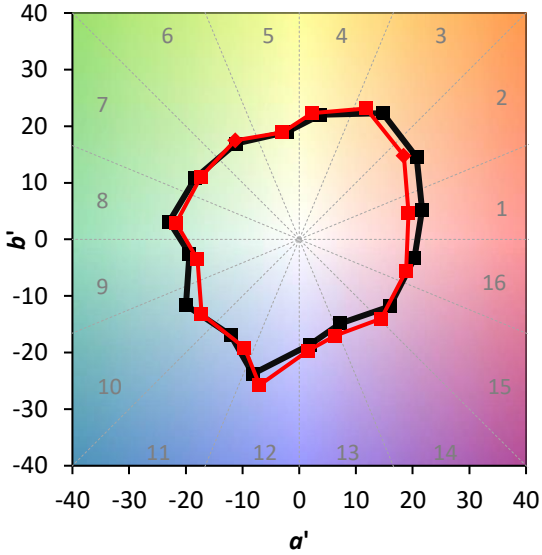
R_f = 84.4
R_g = 96.5
CIE R_a = 84.5
R_9 = 15.9

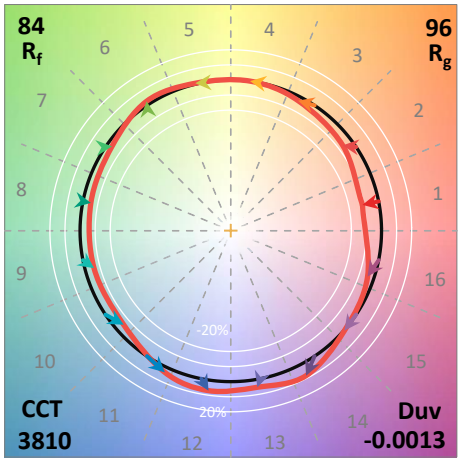
Spectral Power Distribution Comparison

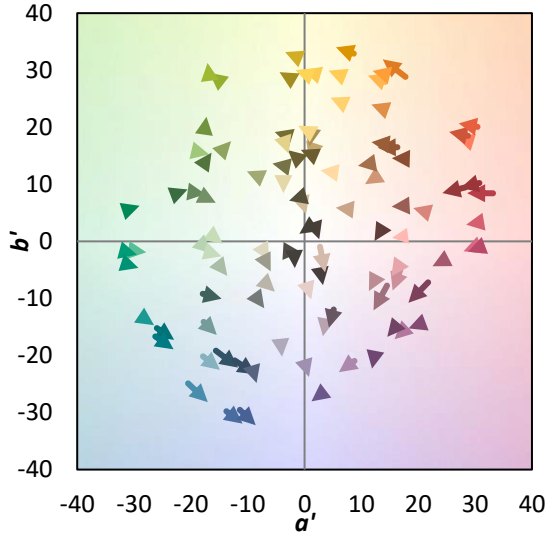


Color Vector Graphics









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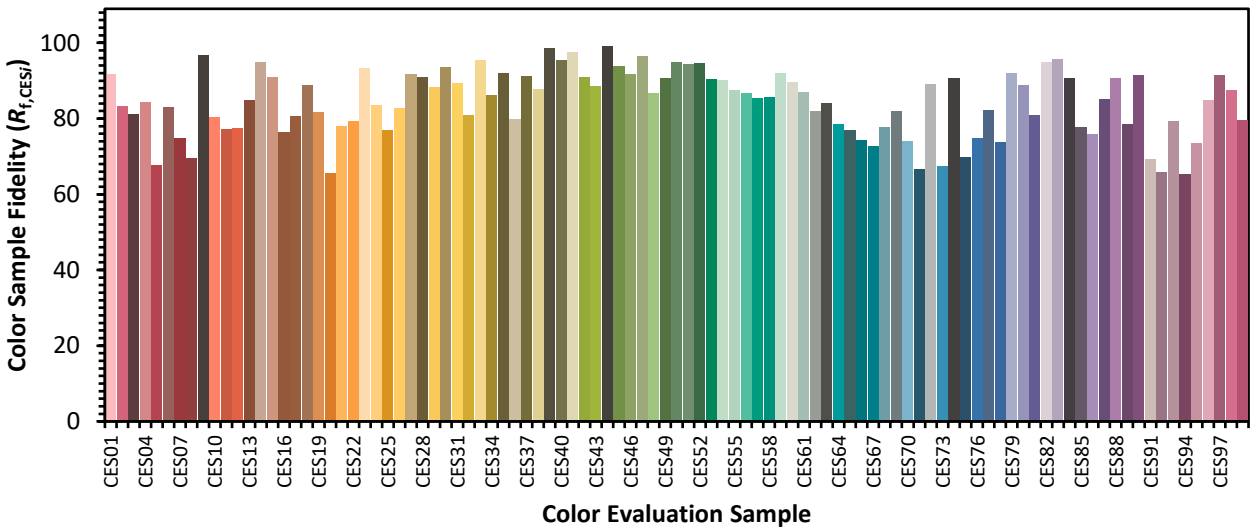
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 83	CES51 = 94	CES76 = 75
CES02 = 62	CES27 = 92	CES52 = 95	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 90	CES78 = 74
CES04 = 70	CES29 = 88	CES54 = 90	CES79 = 92
CES05 = 48	CES30 = 94	CES55 = 88	CES80 = 89
CES06 = 51	CES31 = 89	CES56 = 87	CES81 = 81
CES07 = 41	CES32 = 81	CES57 = 86	CES82 = 95
CES08 = 40	CES33 = 95	CES58 = 86	CES83 = 96
CES09 = 29	CES34 = 86	CES59 = 92	CES84 = 91
CES10 = 75	CES35 = 92	CES60 = 90	CES85 = 78
CES11 = 57	CES36 = 80	CES61 = 87	CES86 = 76
CES12 = 63	CES37 = 91	CES62 = 82	CES87 = 85
CES13 = 43	CES38 = 88	CES63 = 84	CES88 = 91
CES14 = 74	CES39 = 98	CES64 = 79	CES89 = 78
CES15 = 71	CES40 = 96	CES65 = 77	CES90 = 92
CES16 = 47	CES41 = 98	CES66 = 74	CES91 = 69
CES17 = 49	CES42 = 91	CES67 = 73	CES92 = 66
CES18 = 56	CES43 = 89	CES68 = 78	CES93 = 79
CES19 = 71	CES44 = 99	CES69 = 82	CES94 = 65
CES20 = 65	CES45 = 94	CES70 = 74	CES95 = 74
CES21 = 86	CES46 = 92	CES71 = 67	CES96 = 85
CES22 = 78	CES47 = 97	CES72 = 89	CES97 = 91
CES23 = 91	CES48 = 87	CES73 = 68	CES98 = 87
CES24 = 90	CES49 = 91	CES74 = 91	CES99 = 80
CES25 = 71	CES50 = 95	CES75 = 70	



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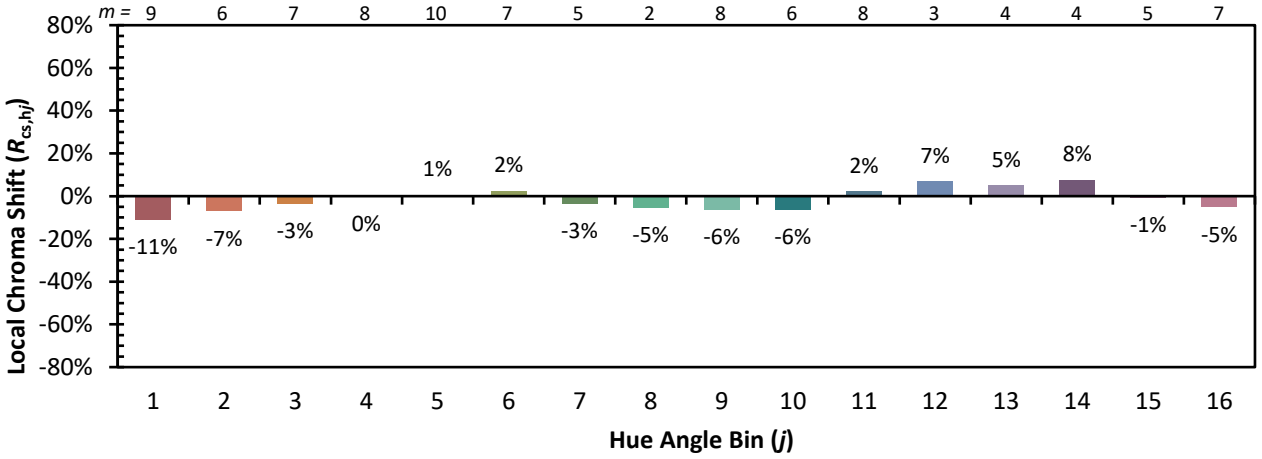
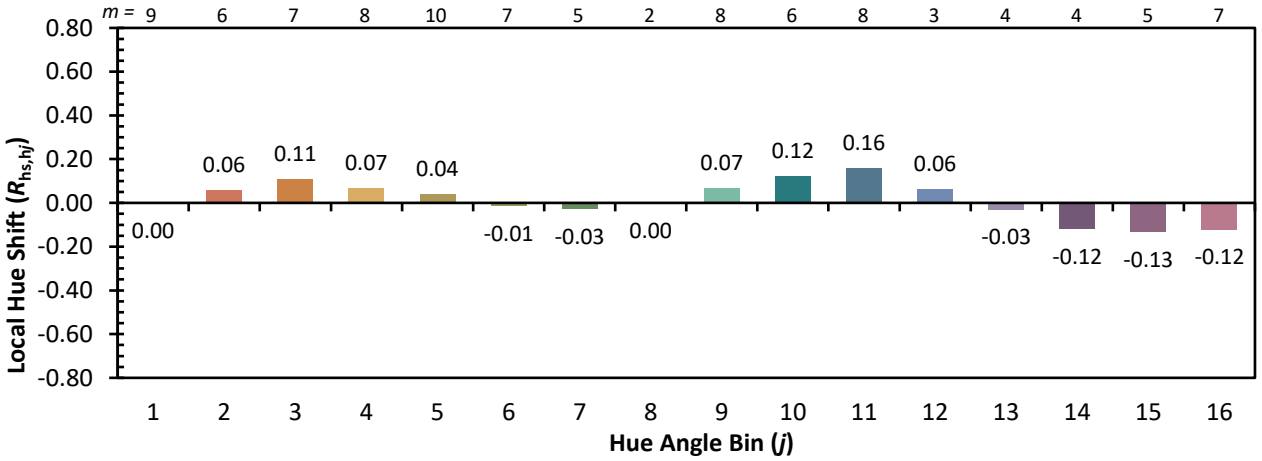
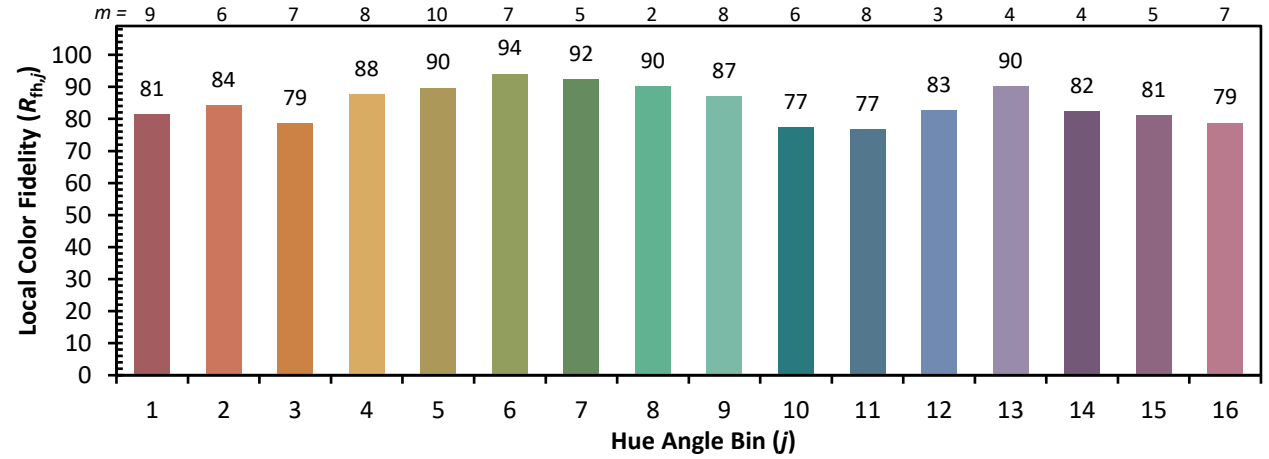
Color Rendition by Hue-Angle Bin







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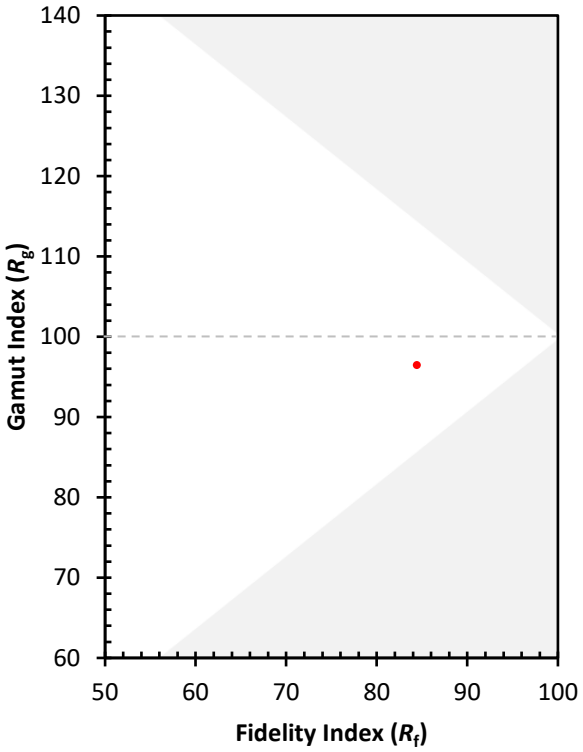
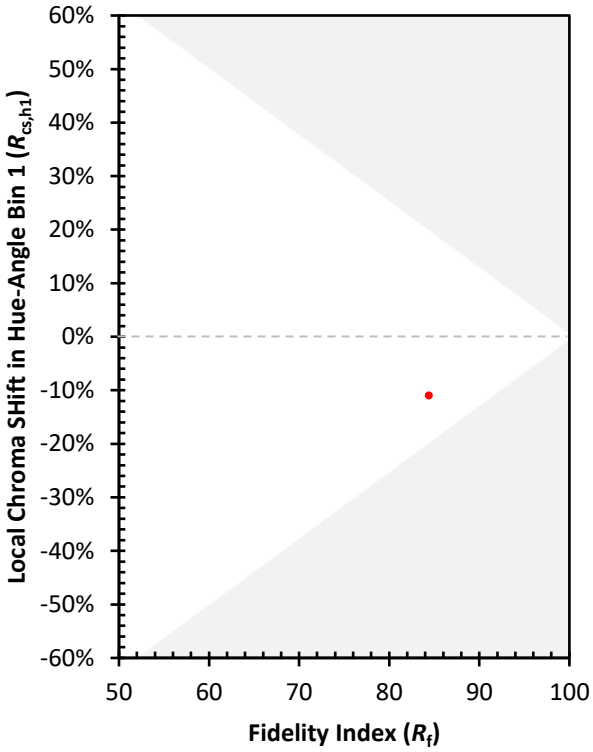
Measure Comparisons





(END OF REPORT)