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: P1449832

Luminaire Tested: **TWC100_T3_40W_5000K**

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:	P1449832
	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_5000K
Description:	Tapered Wall Cutoff Wall Mount Luminaire at, T3 distribution, 40W 5000K settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13662 lumens
Efficiency:	N/A
Efficacy:	178.4 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):	76.6
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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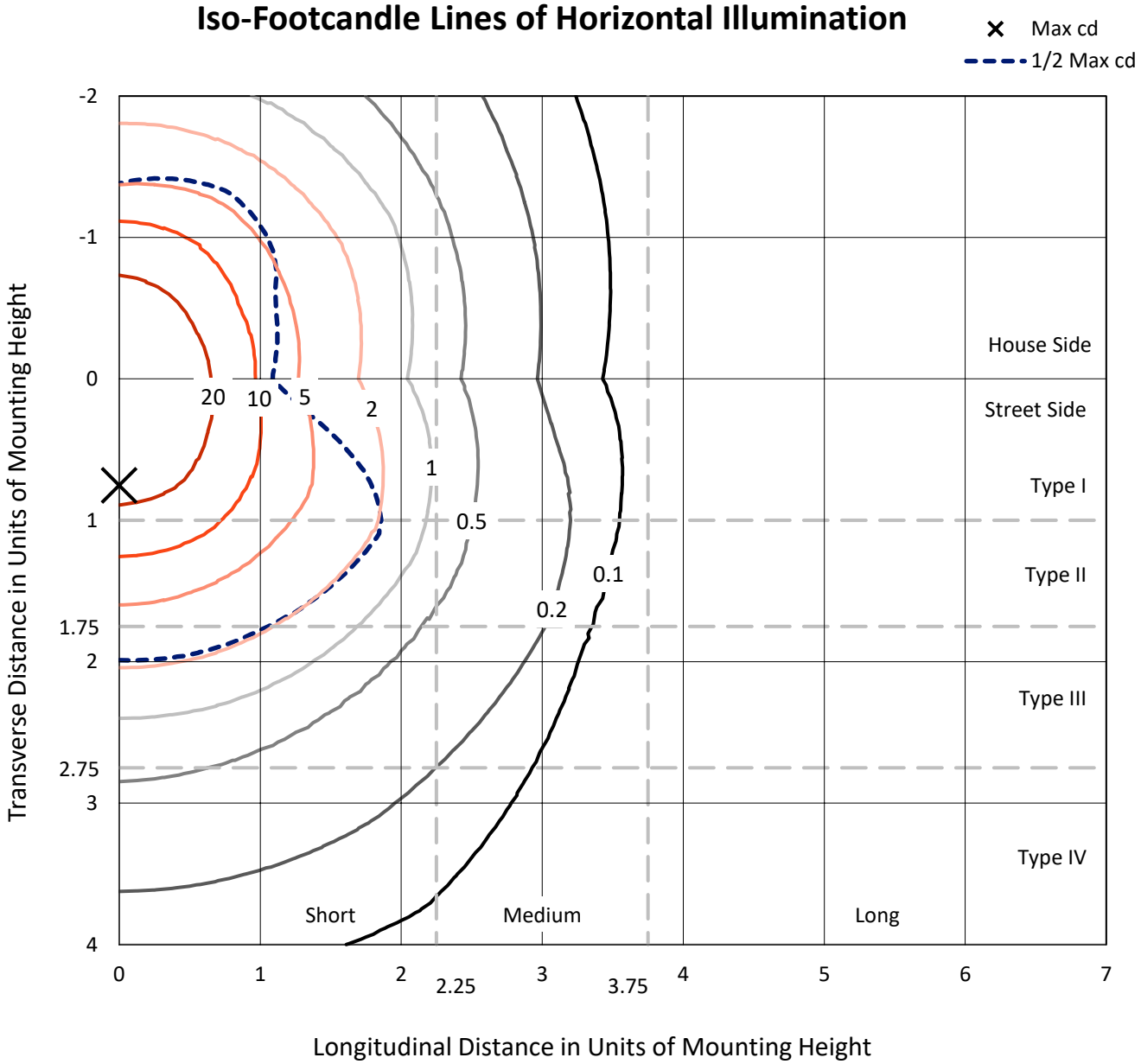
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 41.6 fc
Type III - Short - N/A

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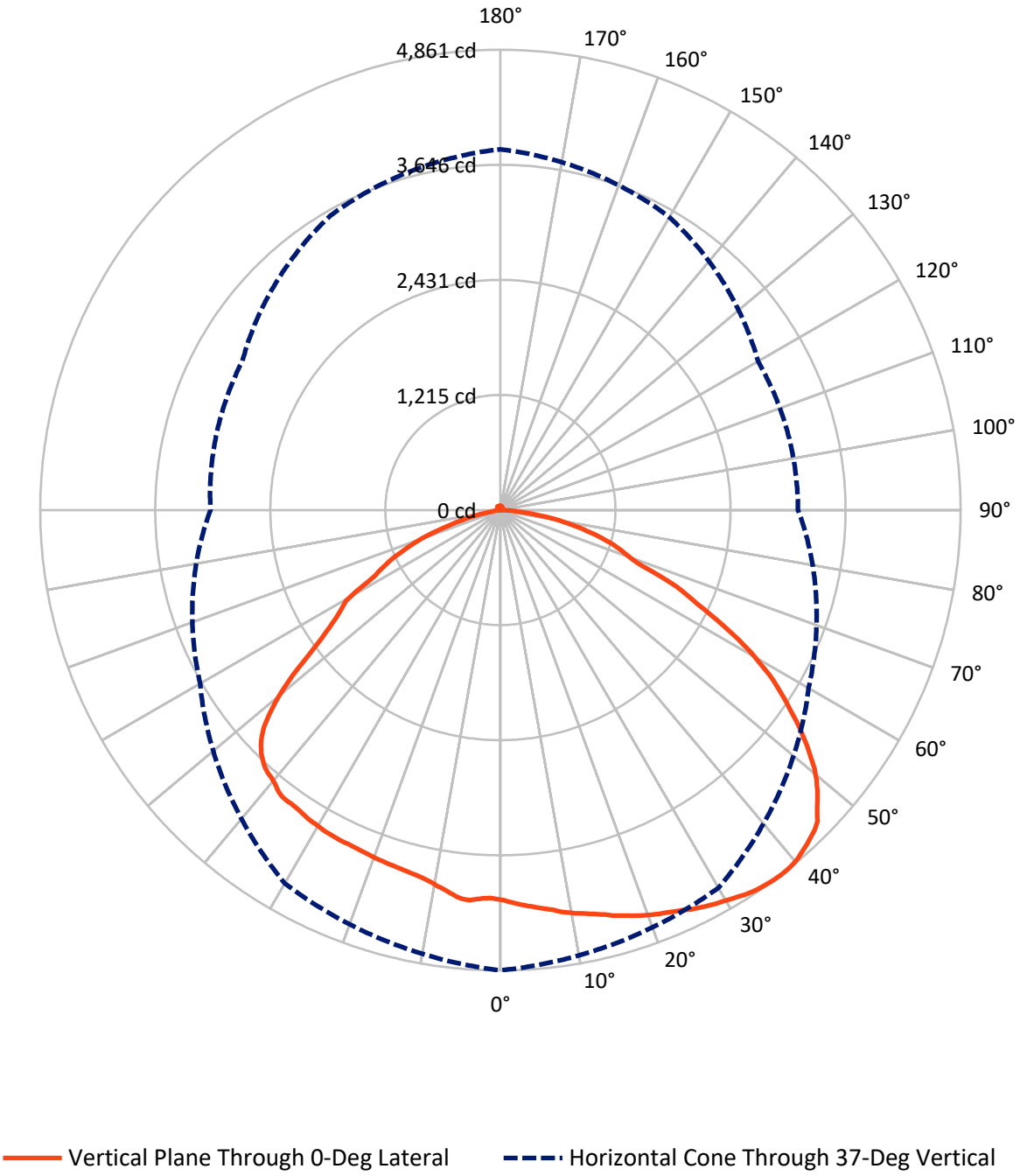
Luminous Intensity Polar Plot



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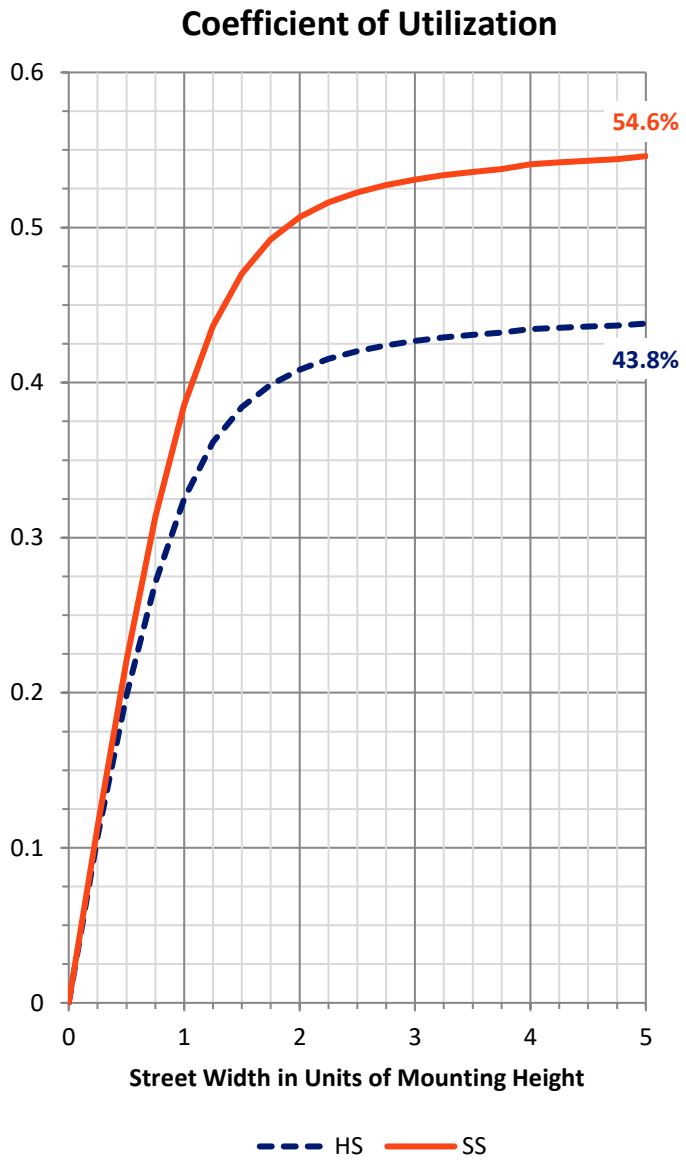
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6017.3	82.0	6099.2
	% Fixture	44.0	0.6	44.6
Street Side	Lumens	7497.5	65.3	7562.8
	% Fixture	54.9	0.5	55.4
Total	Lumens	13514.8	147.2	13662.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.6	2.9
10°-20°	1155.1	8.5
20°-30°	1834.2	13.4
30°-40°	2375.6	17.4
40°-50°	2670.9	19.5
50°-60°	2470.3	18.1
60°-70°	1690.3	12.4
70°-80°	753.6	5.5
80°-90°	170.1	1.2
90°-100°	7.1	0.1
100°-110°	13.3	0.1
110°-120°	19.8	0.1
120°-130°	24.2	0.2
130°-140°	25.3	0.2
140°-150°	23.2	0.2
150°-160°	18.4	0.1
160°-170°	11.8	0.1
170°-180°	4.1	0.0
0°-90°	13514.8	98.9
0°-180°	13662.0	100.0



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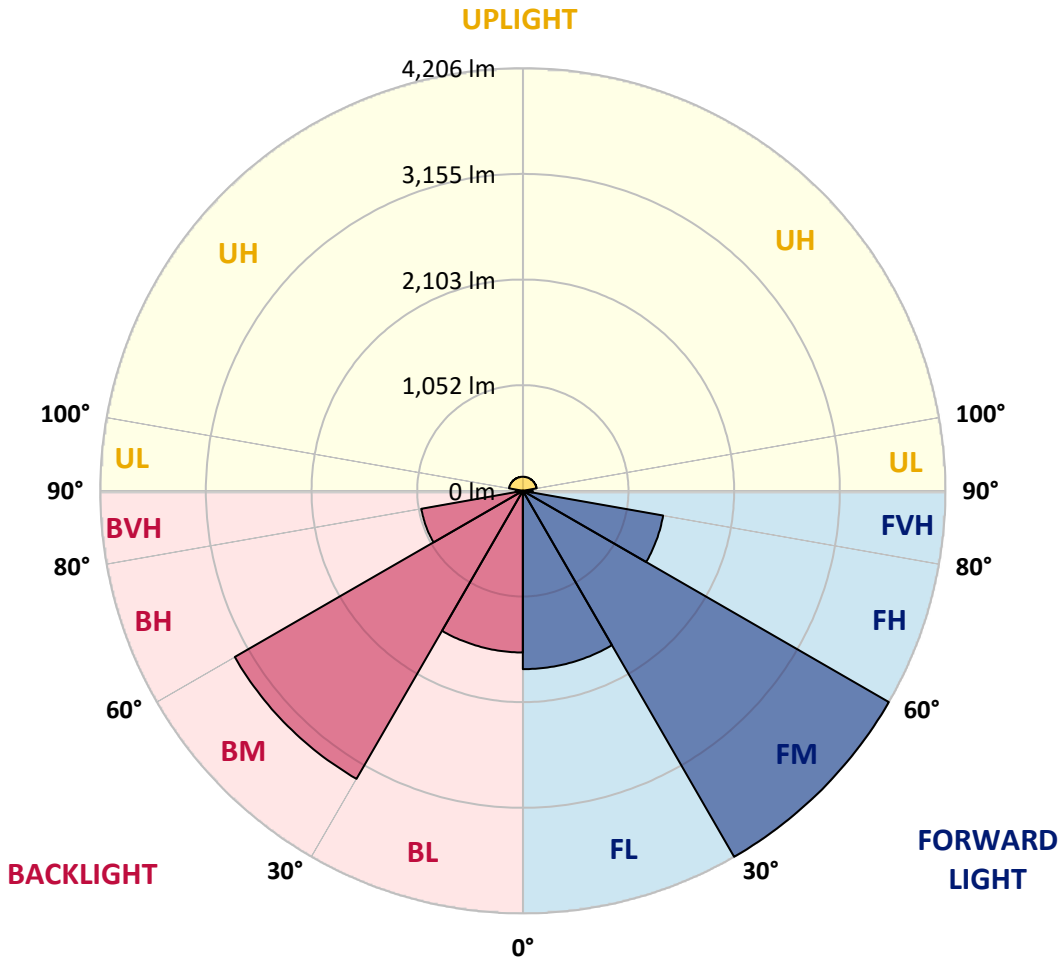
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1775.1	13.0			
FM	(30°-60°)	4206.4	30.8			
FH	(60°-80°)	1417.5	10.4			G1/1800
FVH	(80°-90°)	98.5	0.7			G1/100
BL	(0°-30°)	1608.9	11.8	B3/2500		
BM	(30°-60°)	3310.4	24.2	B3/5000		
BH	(60°-80°)	1026.4	7.5	B3/2500		G3/2500
BVH	(80°-90°)	71.7	0.5			G1/100
UL	(90°-100°)	7.1	0.1		U1/10	
UH	(100°-180°)	140.1	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°	4121.7	4121.7	4121.7	4121.7	4121.7	4121.7	4121.7	4121.7	4121.7	4121.7	4121.7
1°	4142.1	4133.7	4130.3	4123.7	4108.9	4106.4	4107.1	4103.0	4109.6	4116.4	4133.9
2°	4161.4	4151.5	4138.6	4123.4	4099.1	4092.5	4098.9	4098.2	4098.1	4112.7	4142.3
3°	4182.5	4172.9	4145.4	4111.6	4088.5	4082.3	4103.7	4094.6	4089.0	4107.5	4149.1
4°	4199.6	4187.3	4151.4	4107.3	4077.3	4073.6	4117.5	4101.9	4080.6	4100.8	4148.6
5°	4220.0	4203.5	4158.6	4101.5	4073.6	4082.2	4133.8	4113.7	4069.2	4092.7	4151.2
6°	4240.2	4222.4	4160.7	4092.3	4065.6	4097.9	4128.6	4122.2	4067.6	4083.5	4153.5
7°	4258.1	4236.4	4170.3	4090.0	4060.4	4108.0	4107.6	4115.3	4068.8	4071.4	4154.9
8°	4288.4	4252.3	4172.5	4079.9	4062.3	4107.4	4077.7	4093.0	4071.7	4058.5	4157.0
9°	4309.5	4267.0	4173.0	4066.0	4063.1	4085.8	4048.9	4061.8	4083.0	4045.3	4155.7
10°	4330.6	4277.0	4163.9	4047.0	4066.7	4050.9	4027.2	4031.9	4078.6	4031.2	4153.0
11°	4346.9	4291.0	4162.3	4031.8	4059.0	4012.7	3997.6	4005.2	4066.1	4014.0	4151.8
12°	4367.7	4306.3	4161.4	4015.2	4048.9	3988.4	3978.6	3983.9	4035.9	3994.2	4147.2
13°	4389.5	4330.3	4157.6	3994.1	4030.4	3964.1	3962.4	3956.7	4002.1	3966.0	4141.9
14°	4412.3	4343.9	4158.6	3974.1	3999.6	3940.3	3951.5	3935.7	3962.5	3943.4	4135.6
15°	4443.0	4358.9	4153.0	3953.6	3963.2	3916.3	3942.4	3918.4	3926.1	3920.6	4122.9
16°	4465.7	4371.2	4148.9	3932.2	3925.5	3897.6	3932.8	3902.7	3890.3	3901.5	4115.8
17°	4491.8	4389.2	4143.8	3908.2	3889.4	3882.9	3924.6	3884.3	3856.7	3878.1	4107.5
18°	4517.0	4403.5	4135.4	3882.8	3844.7	3867.9	3918.7	3868.9	3825.0	3852.6	4103.7
19°	4540.7	4419.3	4126.4	3857.2	3809.9	3853.3	3912.6	3856.7	3789.2	3826.3	4092.4
20°	4561.7	4433.1	4117.8	3822.4	3774.2	3836.8	3906.5	3847.0	3756.8	3794.3	4080.0
21°	4582.8	4445.9	4099.9	3794.8	3738.5	3816.1	3900.0	3833.6	3722.7	3767.4	4066.5
22°	4600.8	4457.3	4087.7	3766.0	3705.4	3801.2	3890.2	3820.7	3691.5	3743.1	4042.9
23°	4622.3	4474.0	4072.9	3741.4	3671.5	3787.1	3885.3	3807.1	3653.2	3715.7	4025.7
24°	4642.8	4485.3	4058.8	3713.6	3638.7	3773.8	3881.3	3789.4	3623.8	3691.7	4007.2
25°	4672.5	4495.8	4048.8	3685.7	3603.8	3764.4	3876.2	3778.0	3589.8	3669.0	3989.5
26°	4694.4	4506.1	4031.3	3659.2	3570.3	3753.3	3877.7	3764.6	3558.7	3641.3	3967.5
27°	4714.0	4509.7	4013.2	3627.8	3535.7	3738.6	3873.1	3750.5	3525.0	3610.8	3945.9
28°	4735.8	4520.5	3982.8	3598.9	3500.3	3719.4	3869.0	3737.8	3491.0	3577.0	3923.4
29°	4752.3	4530.8	3961.7	3568.2	3455.7	3703.1	3866.0	3724.3	3456.1	3539.6	3898.3
30°	4772.5	4538.8	3940.3	3533.2	3419.4	3687.2	3856.5	3710.6	3412.4	3493.2	3873.6
31°	4792.1	4554.9	3919.1	3489.2	3381.5	3672.9	3849.7	3694.5	3376.1	3429.1	3847.3
32°	4815.6	4566.2	3896.7	3444.3	3343.3	3654.5	3843.0	3682.0	3341.2	3369.8	3821.3
33°	4829.8	4576.0	3873.4	3395.0	3307.9	3640.1	3834.6	3668.1	3305.5	3308.7	3784.7
34°	4842.8	4586.6	3847.8	3336.1	3269.4	3625.2	3821.5	3654.4	3266.6	3247.9	3755.1
35°	4852.0	4593.3	3821.3	3270.9	3231.4	3608.4	3813.3	3631.5	3227.4	3188.8	3723.7
36°	4857.8	4599.2	3789.0	3207.4	3191.4	3592.1	3807.2	3610.3	3186.6	3125.4	3691.3
37°	4861.1	4605.7	3758.7	3143.4	3141.5	3571.1	3809.4	3590.5	3147.1	3062.2	3662.8
38°	4858.8	4606.7	3728.5	3076.8	3098.6	3549.9	3802.8	3575.7	3103.6	2988.9	3629.3
39°	4851.4	4605.6	3698.4	2997.7	3056.5	3534.7	3778.2	3570.0	3061.1	2923.8	3596.8
40°	4838.8	4598.0	3661.1	2931.5	3012.9	3522.4	3745.5	3559.2	3018.3	2858.8	3555.4
41°	4813.2	4589.7	3634.3	2865.2	2965.3	3505.1	3719.6	3533.0	2973.7	2794.7	3522.4
42°	4789.7	4578.6	3606.8	2800.1	2920.2	3480.8	3707.8	3493.9	2920.5	2731.4	3491.5
43°	4763.2	4558.1	3580.3	2731.2	2874.6	3439.3	3683.0	3462.9	2874.3	2659.9	3462.1
44°	4735.1	4534.8	3559.6	2663.5	2826.3	3417.8	3645.4	3447.7	2825.9	2595.7	3432.1

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CATALOG NUMBER: TWC100_T3_40W_5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	4694.3	4507.2	3536.6	2597.5	2772.3	3401.6	3602.9	3421.6	2777.9	2530.3	3406.7
46°	4611.9	4475.9	3515.5	2522.4	2719.9	3377.3	3545.9	3384.6	2735.2	2459.4	3381.3
47°	4542.2	4429.1	3487.3	2453.5	2672.2	3340.7	3475.1	3341.5	2699.5	2390.9	3358.0
48°	4469.9	4367.5	3467.3	2383.2	2633.4	3294.9	3388.4	3298.2	2656.0	2322.5	3333.9
49°	4391.0	4280.2	3446.6	2313.0	2586.3	3250.8	3263.3	3250.3	2585.5	2252.5	3311.6
50°	4300.7	4210.6	3426.0	2241.5	2525.9	3205.3	3129.4	3182.2	2532.5	2171.7	3288.6
51°	4190.1	4141.9	3405.9	2162.6	2465.5	3148.7	2970.8	3101.6	2488.7	2100.8	3265.0
52°	4078.4	4051.7	3383.6	2091.4	2420.4	3064.9	2799.6	3005.9	2440.6	2030.6	3241.7
53°	3961.3	3947.9	3358.9	2018.4	2373.9	2974.8	2605.0	2891.3	2384.9	1958.1	3209.2
54°	3841.4	3817.2	3332.9	1941.2	2322.1	2865.1	2443.3	2755.4	2331.6	1880.3	3181.2
55°	3709.0	3696.6	3306.6	1867.6	2267.4	2724.2	2305.3	2581.3	2276.9	1806.3	3154.2
56°	3590.6	3564.7	3280.1	1792.4	2203.3	2573.4	2194.1	2413.4	2218.7	1730.4	3130.4
57°	3467.2	3416.7	3250.1	1705.7	2144.2	2409.9	2096.4	2250.4	2153.3	1651.8	3099.6
58°	3336.1	3279.3	3206.8	1626.9	2081.6	2243.1	2020.3	2105.8	2087.1	1575.0	3065.8
59°	3177.0	3141.9	3127.1	1549.4	2014.6	2075.2	1952.9	1981.2	2020.1	1488.0	3007.8
60°	3024.2	3003.3	3062.5	1471.4	1938.6	1955.7	1891.3	1889.6	1949.8	1409.9	2930.5
61°	2857.3	2853.3	2995.2	1387.8	1869.3	1862.2	1756.9	1815.6	1867.1	1331.9	2866.0
62°	2671.8	2710.3	2894.7	1313.5	1795.6	1785.6	1591.5	1750.1	1795.7	1248.0	2785.8
63°	2482.4	2567.5	2771.9	1238.9	1714.2	1716.8	1485.3	1678.8	1719.0	1180.7	2676.2
64°	2304.3	2418.7	2623.2	1163.7	1637.9	1654.6	1415.3	1558.5	1630.3	1114.5	2525.3
65°	2169.2	2228.3	2449.6	1086.8	1557.2	1539.5	1342.1	1433.3	1520.4	1040.8	2358.5
66°	2034.5	2040.1	2223.5	1017.2	1465.1	1405.5	1268.4	1359.7	1396.9	965.5	2160.8
67°	1831.0	1882.2	1995.7	939.7	1344.7	1340.9	1187.2	1306.7	1254.8	895.2	1932.2
68°	1602.1	1732.0	1749.4	862.8	1213.4	1290.0	1099.2	1254.1	1116.9	823.7	1665.3
69°	1484.4	1508.2	1501.1	780.3	1069.6	1238.4	1018.4	1193.6	991.0	741.4	1407.3
70°	1414.0	1322.7	1271.2	708.8	932.6	1173.6	933.3	1126.3	909.4	668.5	1159.1
71°	1348.0	1242.0	1112.8	637.6	838.9	1114.7	845.4	1067.7	852.4	598.9	972.9
72°	1278.2	1181.4	1129.9	563.4	776.4	1058.9	740.0	1006.0	785.9	531.5	909.6
73°	1202.6	1126.7	1228.7	498.2	717.1	995.4	642.4	941.2	718.6	461.5	1068.5
74°	1113.3	1072.2	964.2	437.8	645.3	932.8	552.9	864.8	678.5	401.6	950.6
75°	1024.7	1013.9	629.4	381.4	604.9	868.2	472.9	786.7	640.6	347.1	569.2
76°	936.5	940.5	525.1	324.1	567.6	794.4	401.4	697.5	598.8	297.0	451.9
77°	843.7	870.2	462.4	279.1	523.6	697.3	344.1	608.9	557.1	249.5	396.2
78°	758.3	809.0	460.9	238.2	487.1	609.4	290.3	521.1	520.8	209.9	381.4
79°	670.6	753.8	456.4	202.4	452.4	527.3	223.1	453.5	485.3	174.8	404.5
80°	584.6	693.5	347.6	165.5	419.1	459.8	146.6	392.8	444.4	142.0	298.7
81°	490.6	630.7	241.6	132.7	381.0	392.8	92.2	327.9	405.4	112.2	201.9
82°	405.6	547.9	204.2	103.2	345.5	333.1	72.6	258.0	366.6	84.0	167.6
83°	320.9	448.1	177.9	75.5	308.3	258.9	55.9	160.3	324.6	63.6	144.8
84°	246.0	386.2	152.7	55.7	268.2	155.2	41.5	74.0	275.2	47.4	126.7
85°	167.7	324.2	129.8	40.3	228.0	60.6	33.0	37.9	228.2	33.1	107.8
86°	118.9	239.5	109.7	28.0	178.5	31.3	20.8	25.5	186.3	22.9	87.9
87°	70.8	159.8	79.0	16.6	141.7	19.0	13.1	15.8	132.1	14.9	60.3
88°	24.9	58.9	34.2	8.5	82.4	10.1	8.9	9.7	49.7	8.6	21.1
89°	3.0	3.3	3.2	3.5	21.3	5.0	7.1	7.2	7.1	4.8	5.4

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Scaled Data Report

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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	1.7	2.8	3.2	7.3	7.2	6.6	4.4	5.4
91°	2.0	2.6	2.5	2.0	3.0	3.5	7.9	7.8	7.3	4.8	6.0
92°	2.4	3.0	2.7	2.2	3.4	3.7	8.6	8.3	7.9	5.3	6.3
93°	2.7	3.1	3.0	2.5	3.6	4.4	9.2	9.2	8.5	5.7	6.7
94°	2.7	3.5	3.3	2.6	4.0	4.5	10.2	9.9	9.1	6.1	7.2
95°	3.1	3.8	3.6	2.8	4.7	4.9	10.9	10.7	9.9	6.6	7.8
96°	3.3	4.0	3.9	3.2	5.1	5.4	11.6	11.4	10.5	7.2	8.1
97°	3.8	4.6	4.4	3.3	5.4	6.0	12.7	12.1	11.3	7.9	8.8
98°	4.2	4.9	4.5	3.8	6.2	6.5	13.4	13.1	12.0	8.4	9.2
99°	4.4	5.4	5.1	4.2	6.7	7.0	14.4	14.1	13.0	8.8	9.8
100°	4.9	5.8	5.4	4.6	7.3	7.6	15.4	14.9	13.5	9.5	10.4
101°	5.5	6.1	5.8	5.1	7.7	8.2	16.2	15.8	14.4	10.0	10.8
102°	5.9	6.6	6.2	5.4	8.5	8.9	17.2	16.9	15.3	10.7	11.5
103°	6.3	7.3	6.6	6.0	8.9	9.4	18.4	17.6	16.2	11.3	12.0
104°	6.8	7.9	7.1	6.3	9.4	10.2	19.0	18.8	17.0	12.2	12.9
105°	7.5	8.1	7.6	6.8	10.2	10.9	20.1	19.8	17.6	12.7	13.5
106°	8.0	8.8	8.1	7.5	10.9	11.6	21.1	20.9	18.6	13.5	14.1
107°	8.6	9.3	8.7	8.0	11.4	12.5	22.3	21.9	19.5	14.2	14.8
108°	9.1	10.0	9.1	8.6	12.1	13.3	23.4	22.9	20.1	15.1	15.4
109°	9.9	10.6	9.8	9.1	13.1	14.2	24.4	24.0	21.3	15.6	16.0
110°	10.4	11.2	10.2	9.8	13.7	15.1	25.3	24.9	22.0	16.4	16.7
111°	11.2	11.7	10.6	10.3	14.4	15.9	26.8	26.3	22.7	17.1	17.4
112°	11.7	12.4	11.2	10.8	15.1	16.8	27.8	27.2	23.5	17.9	18.3
113°	12.5	13.2	11.7	11.5	15.7	18.0	28.6	28.1	24.3	18.8	18.5
114°	13.2	13.8	12.2	12.2	16.3	18.7	29.8	29.2	25.2	19.3	19.3
115°	13.9	14.5	13.0	12.9	17.0	19.5	30.7	29.9	25.7	20.1	20.0
116°	14.6	15.2	13.5	13.6	17.9	20.9	31.9	31.0	26.5	20.9	20.4
117°	15.6	16.0	13.9	14.0	18.4	21.4	32.7	31.9	27.4	21.6	21.2
118°	16.3	16.5	14.6	14.7	19.1	22.3	33.7	32.6	27.6	22.4	21.8
119°	16.9	17.3	15.3	15.4	19.7	23.2	34.7	33.5	28.4	23.4	22.5
120°	17.9	18.2	15.9	16.0	20.5	24.1	35.5	34.4	29.2	23.9	23.0
121°	18.5	18.7	16.3	16.8	21.2	25.2	36.3	35.1	29.7	24.6	23.8
122°	19.4	19.5	17.0	17.4	21.8	25.7	37.1	35.9	30.4	25.2	24.3
123°	20.1	19.9	17.9	18.0	22.5	26.7	37.8	36.3	31.2	25.9	25.0
124°	20.9	20.7	18.2	18.8	23.2	27.5	38.6	37.3	31.9	26.6	25.6
125°	21.6	21.3	18.9	19.4	24.0	28.0	39.3	37.7	32.4	27.4	26.3
126°	22.3	22.1	19.4	20.1	24.7	29.0	40.0	38.2	32.7	27.9	26.9
127°	23.1	22.6	20.1	20.7	25.2	29.7	40.4	38.6	33.4	28.2	27.4
128°	23.8	23.1	20.8	21.4	26.3	30.4	40.9	39.3	33.9	28.9	27.7
129°	24.7	24.0	21.3	22.1	26.9	31.2	41.4	39.9	34.7	29.7	28.4
130°	25.2	24.5	21.8	22.5	27.6	32.0	41.7	40.3	35.1	30.1	29.1
131°	25.7	25.1	22.4	23.2	28.2	32.3	42.3	40.7	35.7	30.6	29.7
132°	26.5	25.5	23.0	24.1	28.9	33.2	42.8	41.1	36.1	31.0	29.9
133°	27.1	26.4	23.6	24.5	29.6	33.7	43.1	41.4	36.7	31.8	30.6
134°	27.6	26.7	24.2	25.1	30.4	34.5	43.5	41.8	37.1	32.1	31.1

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

Scaled Data Report

REPORT NUMBER: P1449832
CATALOG NUMBER: TWC100_T3_40W_5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	28.0	27.1	24.7	25.5	31.0	34.9	43.9	42.2	37.6	32.8	31.5
136°	28.6	27.6	25.2	26.3	31.8	35.7	44.1	42.6	37.9	33.3	32.1
137°	29.3	28.2	25.9	26.9	32.4	36.3	44.4	42.8	38.5	33.6	32.7
138°	29.8	28.8	26.4	27.5	33.0	36.8	44.6	43.1	38.7	34.0	32.9
139°	30.2	29.6	27.1	28.0	33.6	37.5	44.7	43.2	39.2	34.5	33.5
140°	30.8	29.9	27.5	28.5	34.2	37.9	45.3	43.4	39.4	35.1	34.0
141°	31.2	30.2	28.1	29.0	34.8	38.7	45.3	43.6	39.9	35.5	34.2
142°	32.0	30.7	28.5	29.4	35.3	38.8	45.4	43.9	40.0	35.8	34.7
143°	32.0	31.2	29.2	29.9	35.8	39.5	45.3	44.0	40.3	36.4	35.2
144°	32.7	31.8	29.7	30.6	36.2	40.1	45.3	44.1	40.7	36.6	35.5
145°	33.1	32.1	30.4	31.1	36.4	40.5	45.4	44.2	40.9	37.1	35.9
146°	33.6	32.5	30.7	31.6	37.1	41.0	45.4	44.3	41.1	37.5	36.3
147°	33.8	33.0	31.3	32.1	37.4	41.3	45.4	44.4	41.4	37.9	36.7
148°	34.4	33.4	31.9	32.6	37.7	41.8	45.3	44.5	41.4	38.3	37.2
149°	35.0	33.9	32.0	33.0	38.1	41.9	45.5	44.6	41.7	38.6	37.7
150°	35.3	34.4	32.6	33.5	38.5	42.2	45.6	44.6	41.8	39.1	37.8
151°	35.8	34.8	33.2	34.0	38.7	42.6	45.5	44.9	42.1	39.2	38.1
152°	36.2	35.2	33.7	34.6	39.0	42.9	45.5	44.8	42.3	39.6	38.6
153°	36.4	35.6	34.2	34.8	39.2	43.1	45.5	44.8	42.5	40.1	38.9
154°	37.1	35.9	34.7	35.3	39.6	43.4	45.4	44.6	42.8	40.3	39.0
155°	37.4	36.4	35.0	35.7	40.0	43.4	45.2	44.7	42.8	40.5	39.5
156°	37.6	36.4	35.5	36.3	40.1	43.4	44.9	44.6	43.0	40.8	39.9
157°	37.7	36.6	35.7	36.4	40.5	43.7	44.8	44.6	42.9	41.0	40.1
158°	38.1	37.1	36.0	36.9	40.5	43.8	44.6	44.7	43.1	41.2	40.3
159°	38.3	37.5	36.5	37.2	41.0	43.9	44.6	44.5	43.1	41.4	40.6
160°	38.4	37.7	36.9	37.8	41.2	43.9	44.4	44.5	43.1	41.6	40.5
161°	38.7	37.9	37.4	38.2	41.5	44.2	44.3	44.4	43.2	41.8	40.9
162°	39.0	38.4	37.7	38.8	41.8	44.2	44.2	44.3	43.2	42.0	41.3
163°	39.1	38.6	38.0	39.0	41.9	44.4	43.9	44.3	43.3	42.3	41.4
164°	39.4	38.6	38.3	39.2	42.1	44.5	43.9	44.1	43.4	42.3	41.4
165°	39.4	38.8	38.6	39.5	42.3	44.4	43.7	44.1	43.4	42.3	41.7
166°	39.9	39.3	38.9	39.9	42.6	44.5	43.7	44.1	43.4	42.7	42.0
167°	40.0	39.5	39.2	40.3	42.7	44.7	43.5	44.0	43.4	42.8	42.1
168°	40.3	39.9	39.6	40.7	42.9	44.6	43.5	43.9	43.6	43.1	42.5
169°	40.6	40.0	40.1	40.9	42.9	44.4	43.6	43.8	43.6	43.1	42.5
170°	40.8	40.3	40.4	41.2	43.1	44.7	43.6	43.7	43.8	43.3	42.8
171°	41.0	40.5	40.7	41.6	43.4	44.8	43.5	43.7	43.8	43.5	42.8
172°	41.5	40.8	41.0	41.8	43.4	44.5	43.6	43.7	43.5	43.5	42.9
173°	41.4	41.1	41.4	42.1	43.6	44.5	43.7	43.6	43.5	43.7	43.3
174°	41.7	41.4	41.4	42.5	43.8	44.4	43.9	43.6	43.5	43.7	43.5
175°	42.2	41.6	41.9	42.8	43.8	44.7	43.9	43.6	43.5	43.8	43.5
176°	42.6	41.8	42.1	43.0	43.8	44.4	43.7	43.4	43.5	43.8	43.7
177°	42.7	42.3	42.3	43.1	43.8	44.5	43.6	43.4	43.5	43.7	43.8
178°	43.2	42.3	42.7	43.3	43.9	44.4	43.7	43.2	43.3	43.8	43.9
179°	43.0	42.7	42.8	43.6	44.0	44.3	43.5	43.2	43.2	43.7	44.1

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

Scaled Data Report

REPORT NUMBER: P1449832
CATALOG NUMBER: TWC100_T3_40W_5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	*43.5*	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5

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

Scaled Data Report

REPORT NUMBER: P1449832
CATALOG NUMBER: TWC100_T3_40W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	4121.7	4121.7
1°	4138.7	4142.1
2°	4155.5	4161.4
3°	4171.8	4182.5
4°	4187.1	4199.6
5°	4198.7	4220.0
6°	4213.6	4240.2
7°	4227.0	4258.1
8°	4249.3	4288.4
9°	4264.2	4309.5
10°	4277.6	4330.6
11°	4292.6	4346.9
12°	4299.5	4367.7
13°	4312.2	4389.5
14°	4326.2	4412.3
15°	4347.7	4443.0
16°	4362.0	4465.7
17°	4375.6	4491.8
18°	4389.9	4517.0
19°	4401.3	4540.7
20°	4414.7	4561.7
21°	4425.0	4582.8
22°	4433.3	4600.8
23°	4442.4	4622.3
24°	4451.5	4642.8
25°	4460.7	4672.5
26°	4477.9	4694.4
27°	4486.9	4714.0
28°	4495.5	4735.8
29°	4501.6	4752.3
30°	4502.9	4772.5
31°	4511.6	4792.1
32°	4519.0	4815.6
33°	4535.9	4829.8
34°	4543.4	4842.8
35°	4549.7	4852.0
36°	4554.1	4857.8
37°	*4553.2*	*4861.1*
38°	4554.1	4858.8
39°	4549.7	4851.4
40°	4540.5	4838.8
41°	4521.8	4813.2
42°	4506.5	4789.7
43°	4482.4	4763.2
44°	4457.3	4735.1

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1449832
CATALOG NUMBER: TWC100_T3_40W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	4429.7	4694.3
46°	4395.7	4611.9
47°	4353.9	4542.2
48°	4281.3	4469.9
49°	4183.8	4391.0
50°	4117.2	4300.7
51°	4040.3	4190.1
52°	3945.0	4078.4
53°	3831.1	3961.3
54°	3712.8	3841.4
55°	3584.8	3709.0
56°	3449.2	3590.6
57°	3297.9	3467.2
58°	3158.4	3336.1
59°	3019.0	3177.0
60°	2860.8	3024.2
61°	2719.8	2857.3
62°	2580.4	2671.8
63°	2440.1	2482.4
64°	2280.9	2304.3
65°	2102.8	2169.2
66°	1922.7	2034.5
67°	1783.9	1831.0
68°	1605.1	1602.1
69°	1373.0	1484.4
70°	1238.7	1414.0
71°	1174.5	1348.0
72°	1116.4	1278.2
73°	1061.2	1202.6
74°	1005.1	1113.3
75°	945.5	1024.7
76°	868.2	936.5
77°	802.0	843.7
78°	745.9	758.3
79°	692.8	670.6
80°	631.1	584.6
81°	568.0	490.6
82°	479.4	405.6
83°	398.9	320.9
84°	339.4	246.0
85°	259.9	167.7
86°	196.9	118.9
87°	111.6	70.8
88°	8.4	24.9
89°	5.5	3.0

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

REPORT NUMBER: P1449832
CATALOG NUMBER: TWC100_T3_40W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	6.0	2.0
91°	6.2	2.0
92°	6.7	2.4
93°	7.3	2.7
94°	7.9	2.7
95°	8.5	3.1
96°	9.0	3.3
97°	9.8	3.8
98°	10.3	4.2
99°	11.0	4.4
100°	11.7	4.9
101°	12.5	5.5
102°	13.2	5.9
103°	13.8	6.3
104°	14.4	6.8
105°	15.3	7.5
106°	16.1	8.0
107°	16.8	8.6
108°	17.4	9.1
109°	18.0	9.9
110°	18.9	10.4
111°	19.5	11.2
112°	20.5	11.7
113°	21.2	12.5
114°	21.9	13.2
115°	22.6	13.9
116°	23.4	14.6
117°	24.3	15.6
118°	24.9	16.3
119°	25.5	16.9
120°	26.3	17.9
121°	26.9	18.5
122°	27.7	19.4
123°	27.9	20.1
124°	28.8	20.9
125°	29.3	21.6
126°	29.9	22.3
127°	30.2	23.1
128°	30.7	23.8
129°	31.0	24.7
130°	31.7	25.2
131°	32.1	25.7
132°	32.4	26.5
133°	32.8	27.1
134°	33.3	27.6

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Scaled Data Report

REPORT NUMBER: P1449832
CATALOG NUMBER: TWC100_T3_40W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	33.9	28.0
136°	34.2	28.6
137°	34.5	29.3
138°	34.8	29.8
139°	35.2	30.2
140°	35.5	30.8
141°	35.8	31.2
142°	36.2	32.0
143°	36.6	32.0
144°	36.7	32.7
145°	36.9	33.1
146°	37.3	33.6
147°	37.4	33.8
148°	38.0	34.4
149°	38.3	35.0
150°	38.3	35.3
151°	38.5	35.8
152°	38.8	36.2
153°	38.9	36.4
154°	39.0	37.1
155°	39.2	37.4
156°	39.4	37.6
157°	39.6	37.7
158°	39.8	38.1
159°	40.1	38.3
160°	40.3	38.4
161°	40.6	38.7
162°	40.5	39.0
163°	40.7	39.1
164°	40.9	39.4
165°	41.0	39.4
166°	41.4	39.9
167°	41.5	40.0
168°	41.8	40.3
169°	41.8	40.6
170°	42.1	40.8
171°	42.6	41.0
172°	42.6	41.5
173°	42.9	41.4
174°	43.0	41.7
175°	43.4	42.2
176°	43.5	42.6
177°	43.7	42.7
178°	43.8	43.2
179°	44.0	43.0

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Scaled Data Report

REPORT NUMBER: P1449832
CATALOG NUMBER: TWC100_T3_40W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	43.5	43.5

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: SP1-2601-659-3

Test Date: 02/12/2026

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

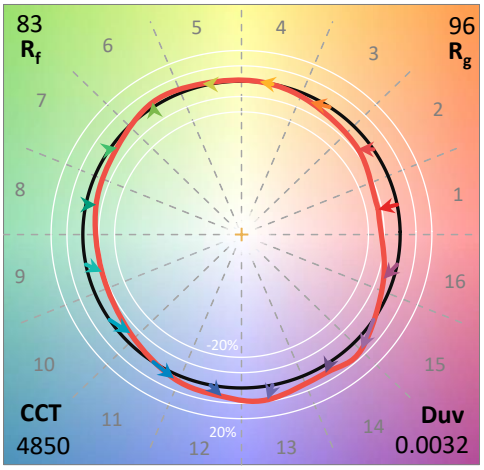
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2601-659-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	02/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Lumark
Catalog Number:	**MWP2460W34VDDKYYAD-T4-24W-5000K**
Description:	Mester Wedge, at T4 beam setting, 24W output, 5000K

Spectral Parameters

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

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



Test Conditions

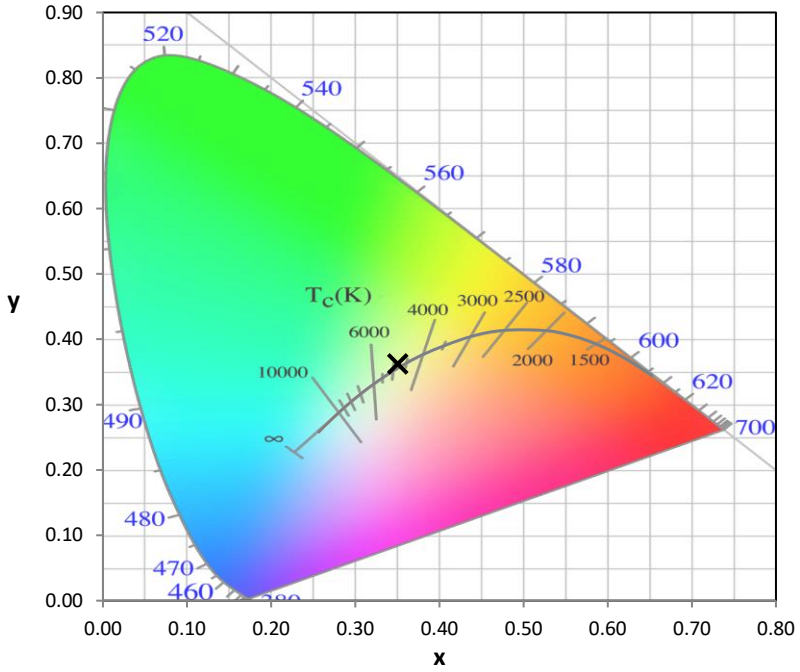
Stabilization Time:	25M
Operation Time:	1H 25M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2601-659-3

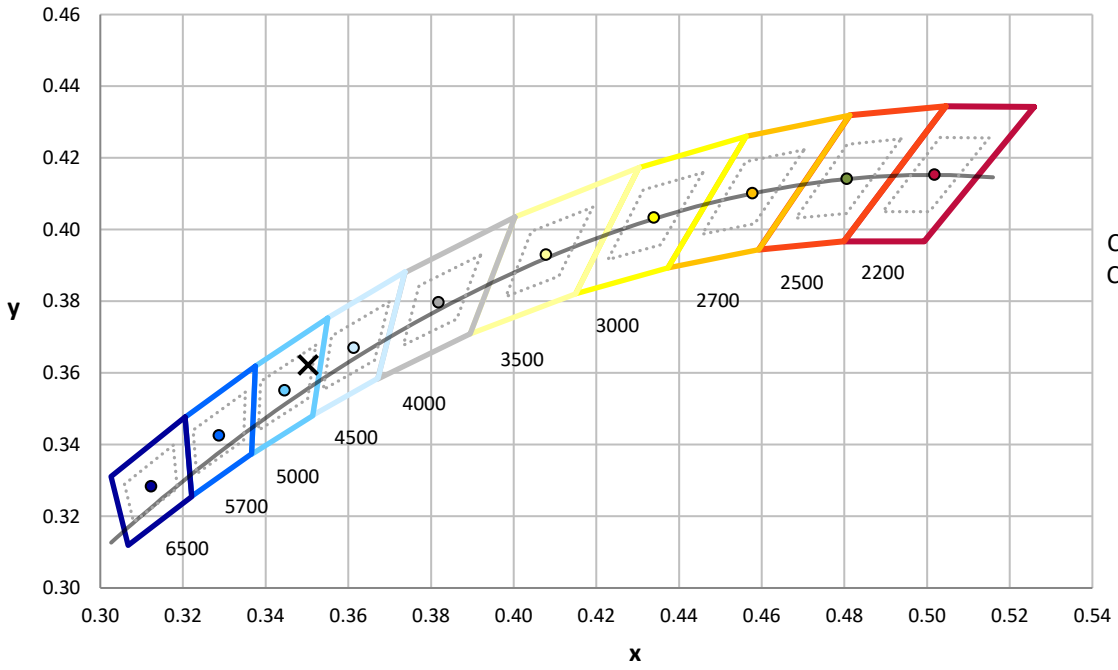
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	10/21/2025	10/21/2026
Sphere Thermometer	ONSET IN0085	10/21/2025	10/21/2026
Room Thermometer	ONSET IN0046	10/21/2025	10/21/2026

REPORT NUMBER: SP1-2601-659-3

CIE 1931 Chromaticity Diagram



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



CCT = 4850K
CIE x = 0.3503
CIE y = 0.3623
Duv = 0.0032

Point lies inside the ANSI 5000K 4-step quadrangle

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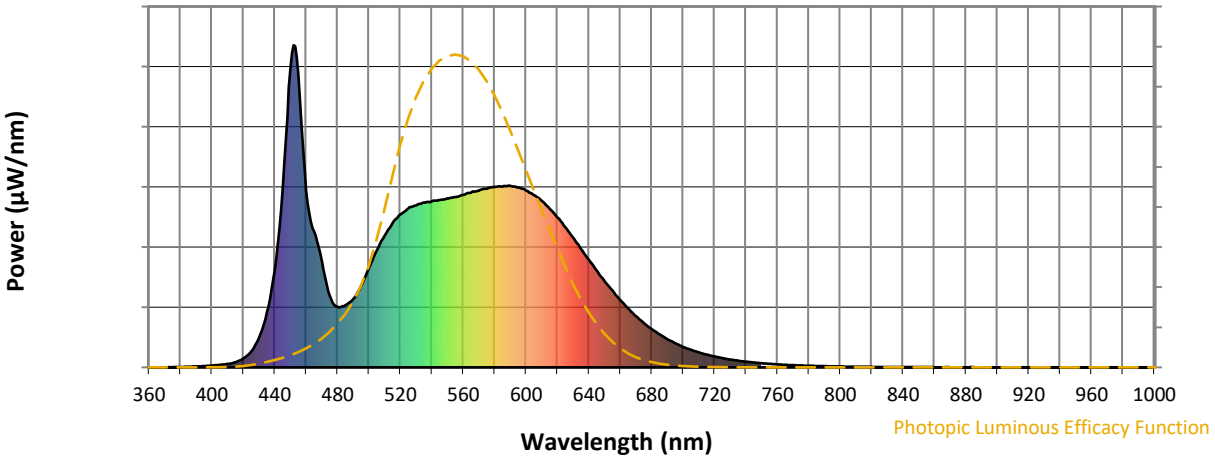
Photopic Flux vs. Wavelength



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

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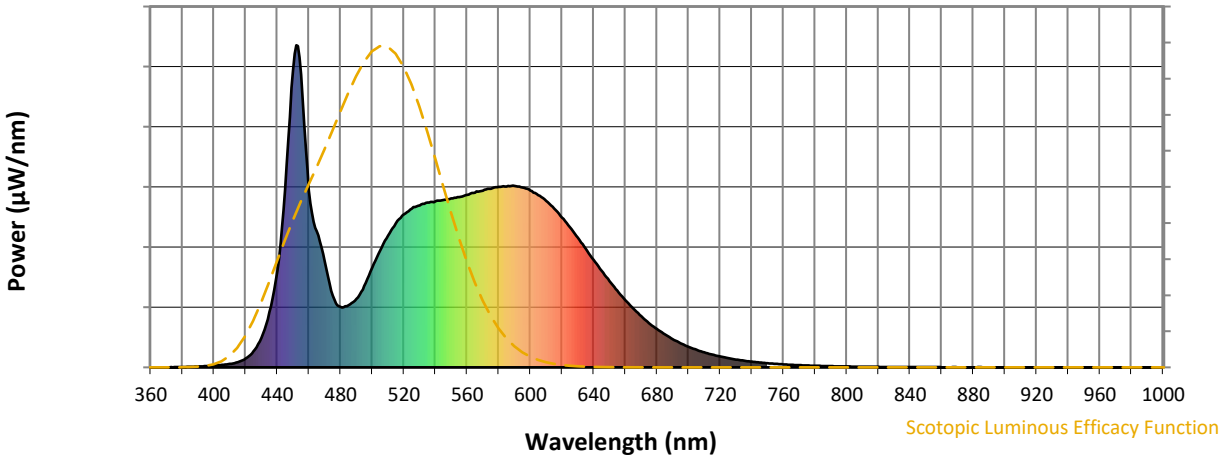
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.9**

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

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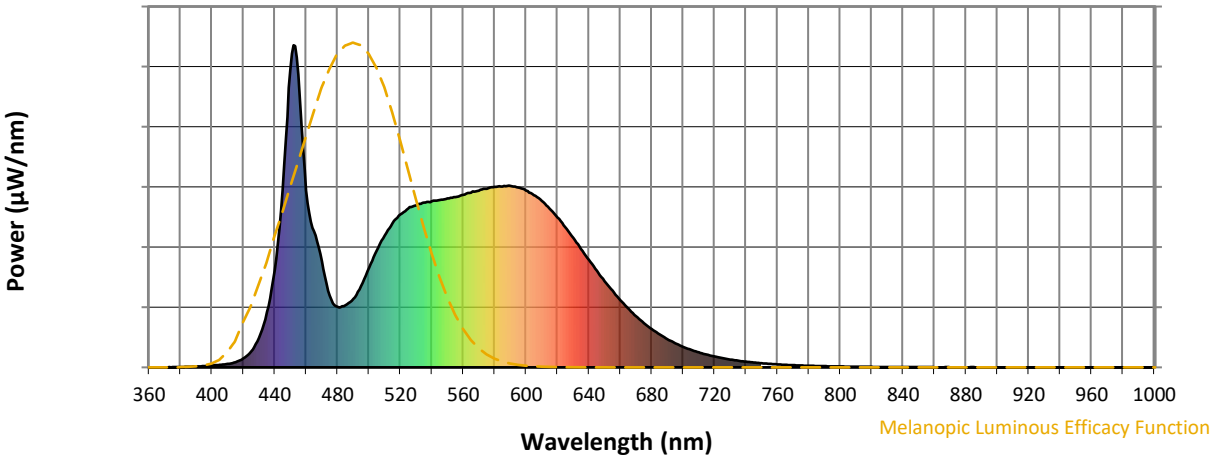
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4**

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

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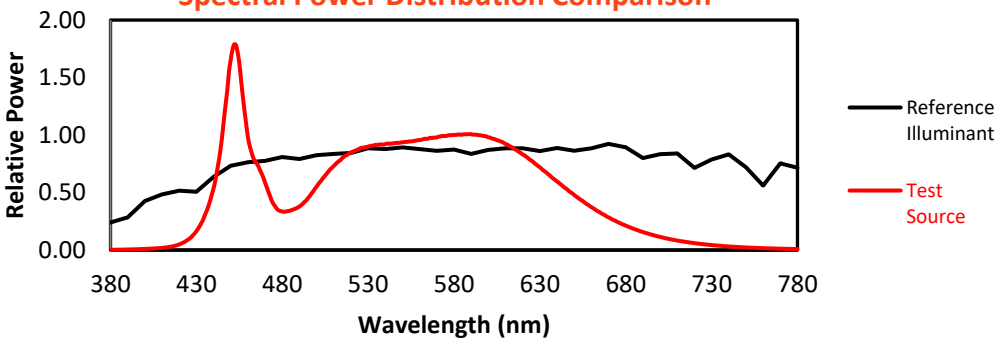
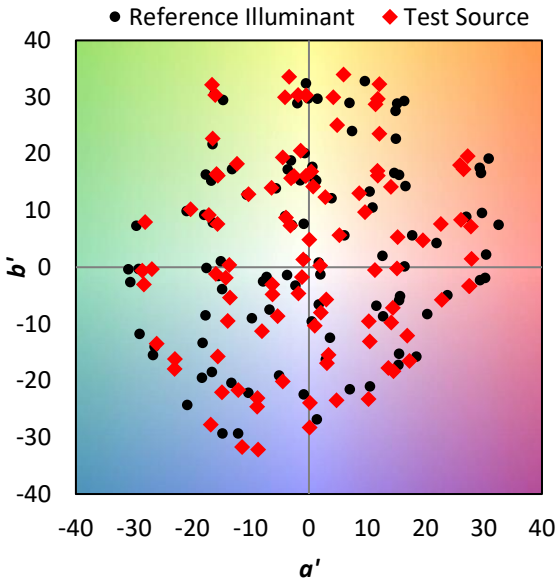
Summary

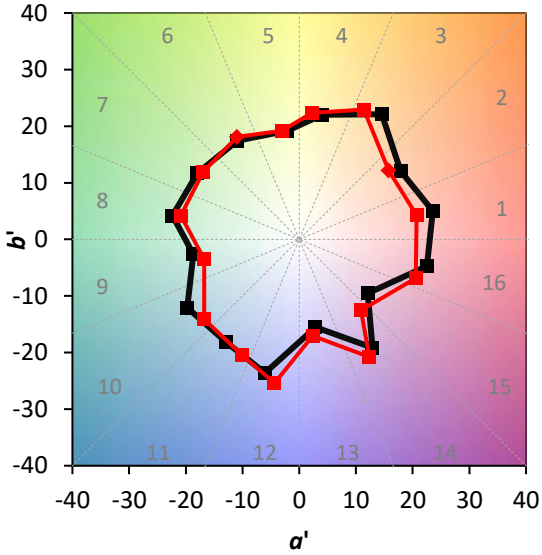
R_f = 83.1
R_g = 95.8
CIE R_a = 82.6
R_9 = 8.5

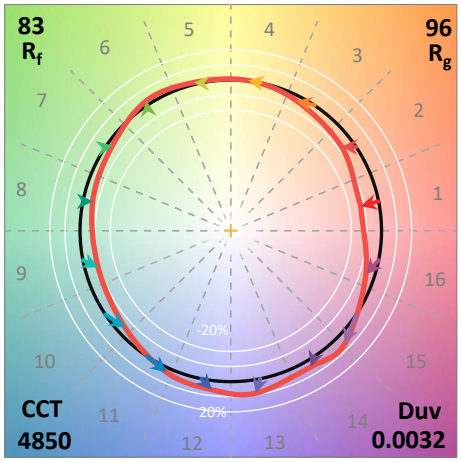
Spectral Power Distribution Comparison

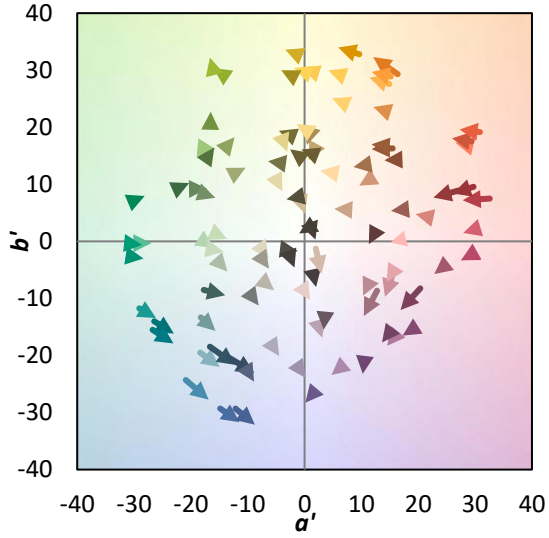


Color Vector Graphics









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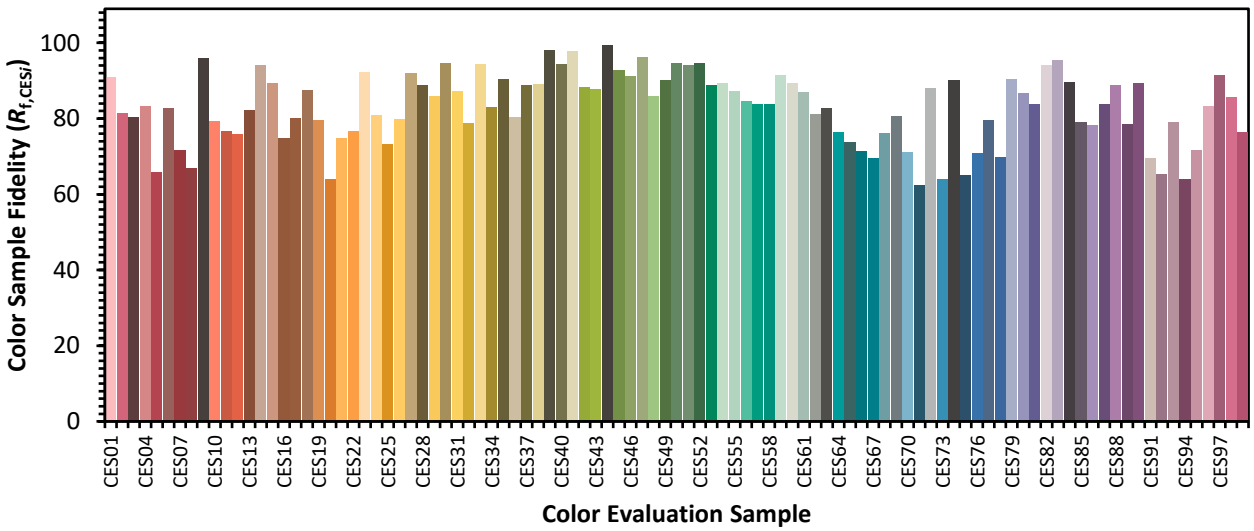
Individual Sample Fidelity Index ($R_{f,i}$)

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



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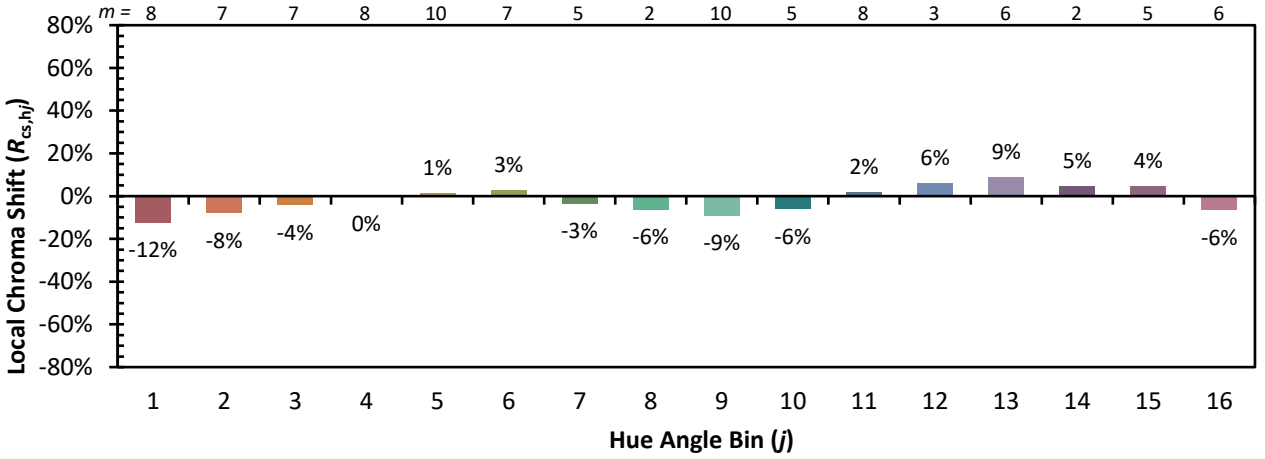
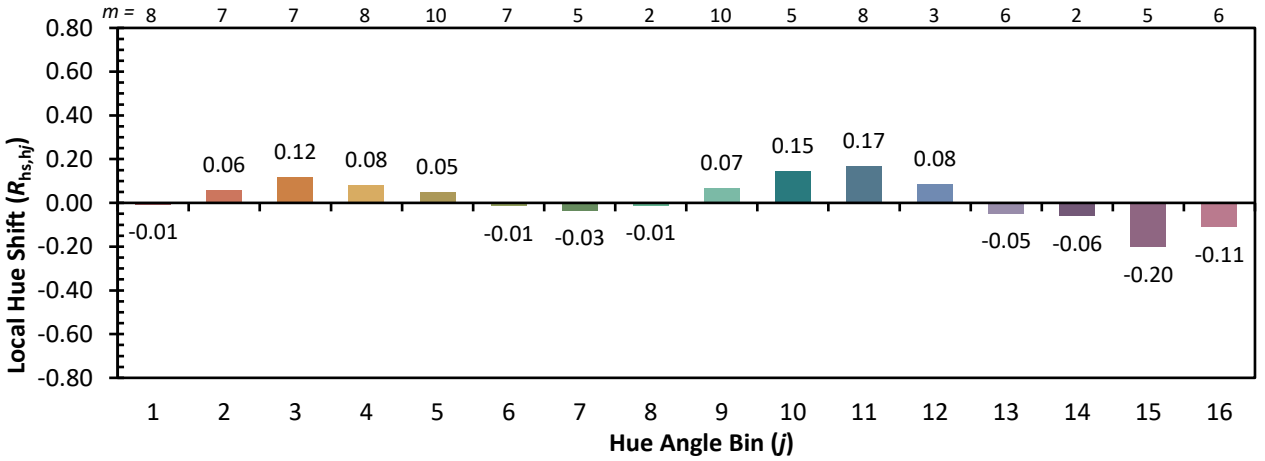
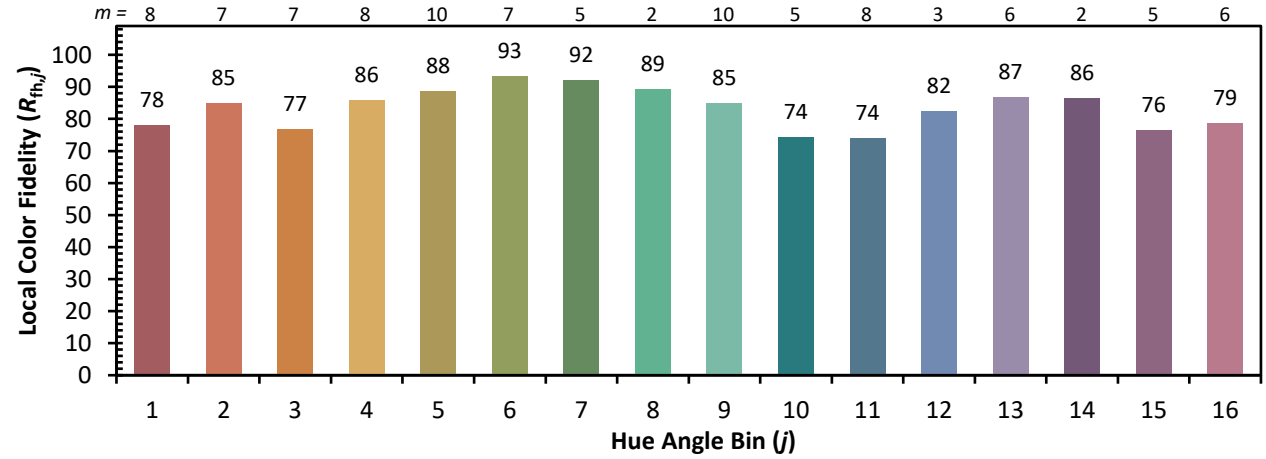
Color Rendition by Hue-Angle Bin







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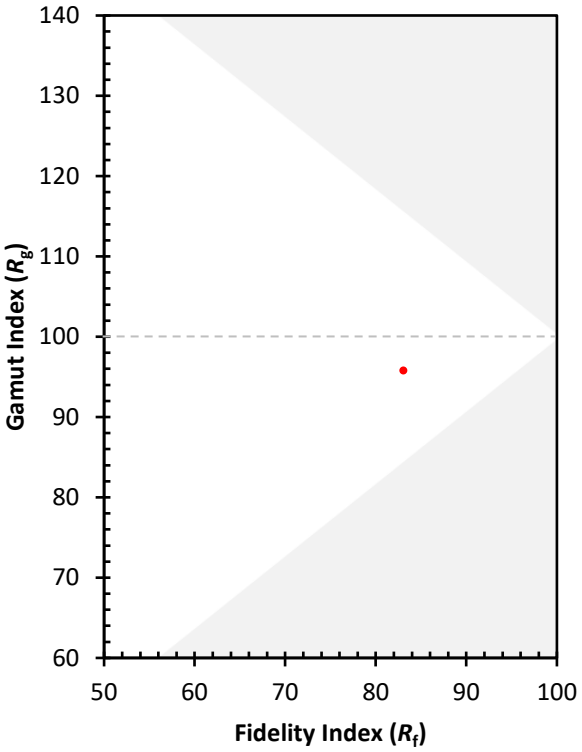
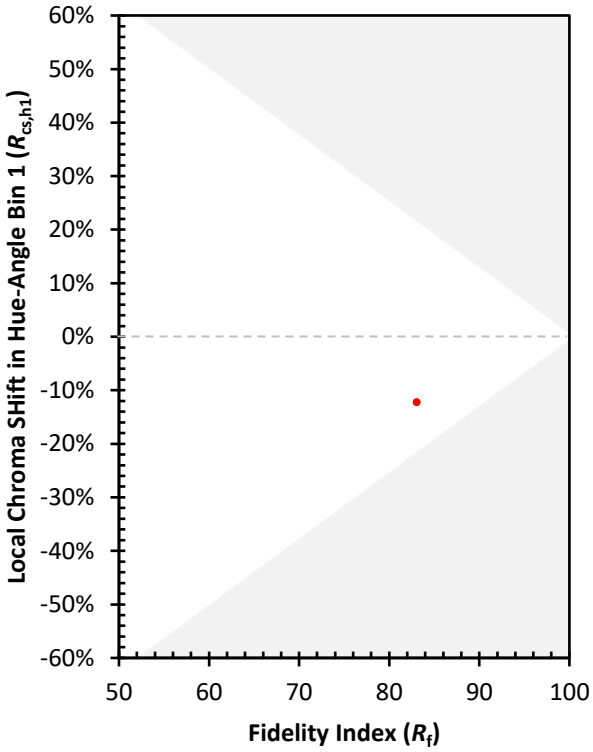
Measure Comparisons





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