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: P1449827

Luminaire Tested: **TWC100_T3_100W_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:	P1449827
	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_100W_3000K
Description:	Tapered Wall Cutoff Wall Mount Luminaire at, T3 distribution, 100W 3000K settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15760 lumens
Efficiency:	N/A
Efficacy:	163.5 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):	96.4
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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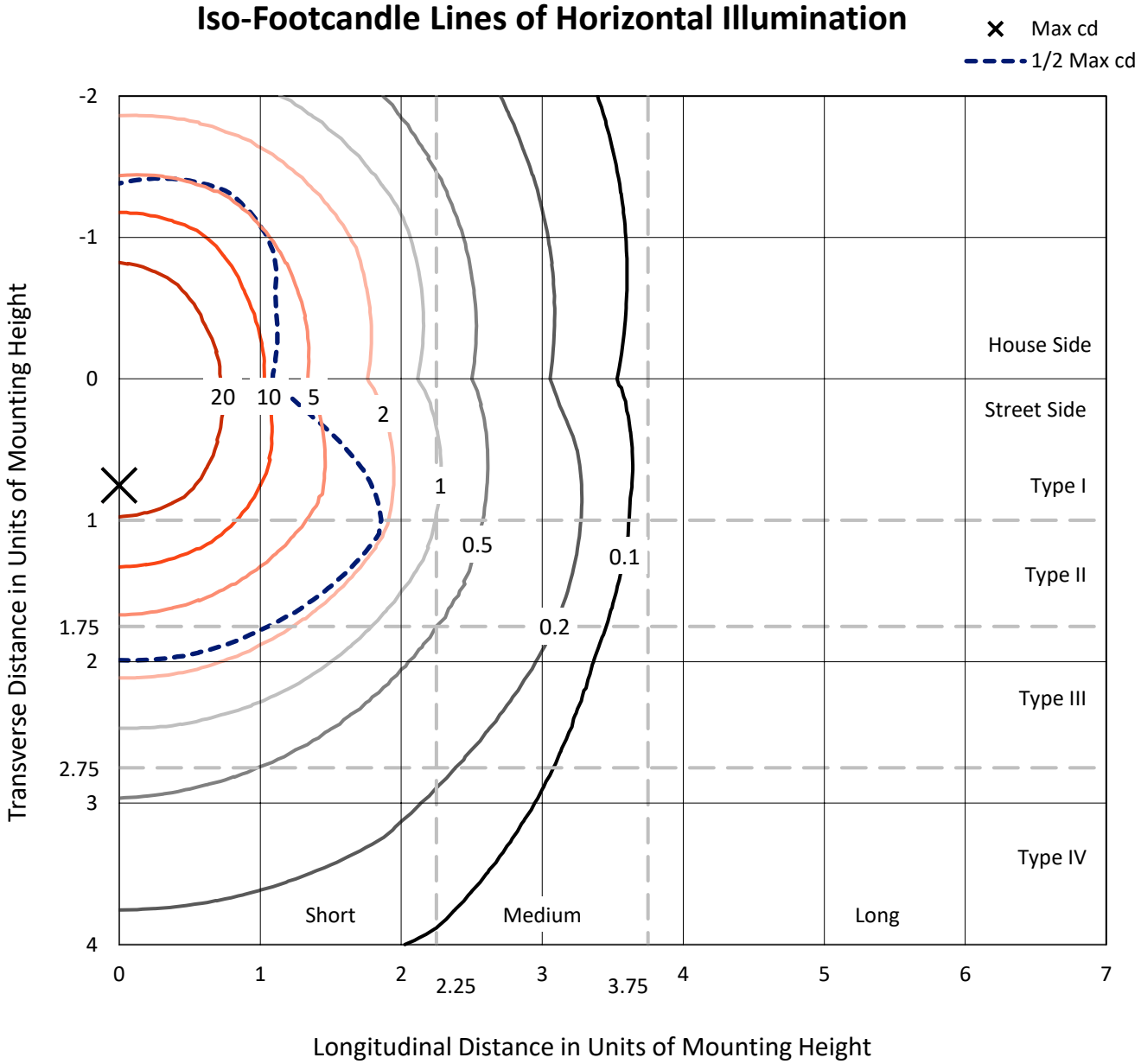
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 48 fc
Type III - Short - N/A

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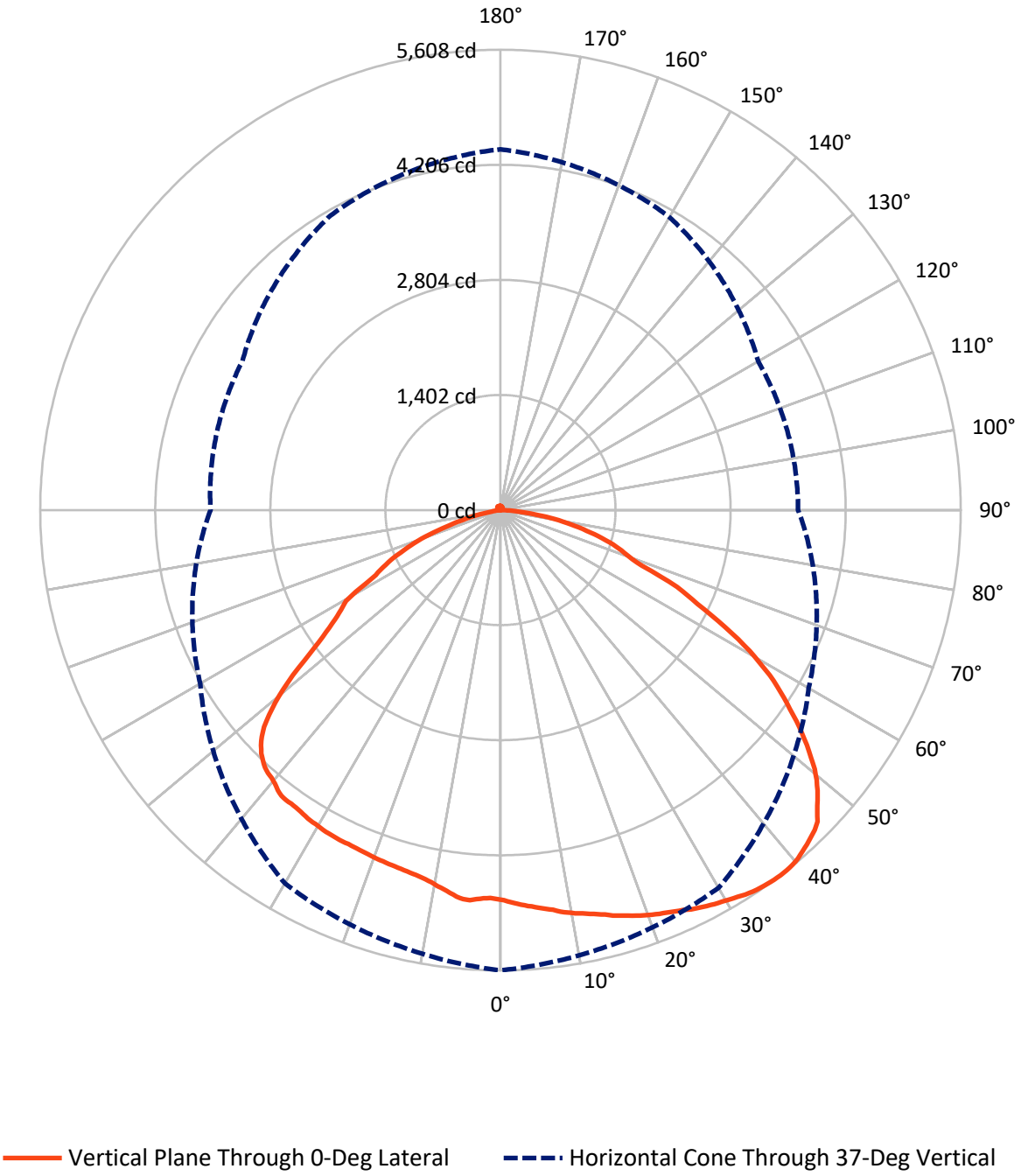
Luminous Intensity Polar Plot



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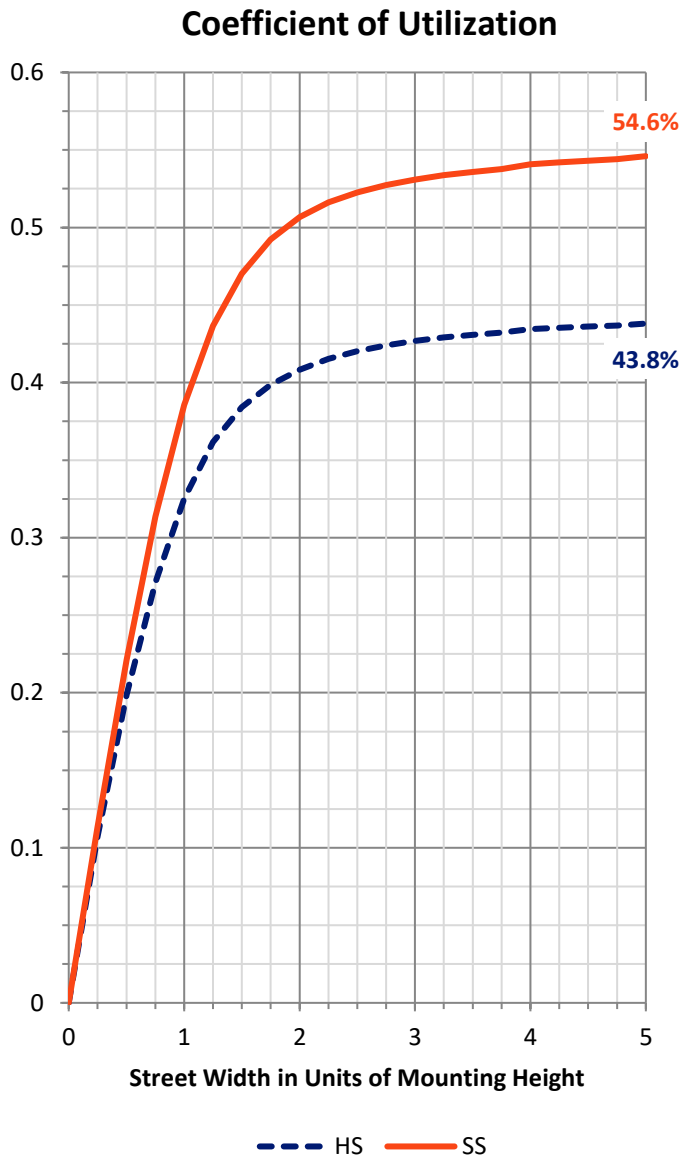
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6941.3	94.6	7035.9
	% Fixture	44.0	0.6	44.6
Street Side	Lumens	8648.8	75.3	8724.1
	% Fixture	54.9	0.5	55.4
Total	Lumens	15590.1	169.8	15760.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.2	2.9
10°-20°	1332.5	8.5
20°-30°	2115.9	13.4
30°-40°	2740.4	17.4
40°-50°	3081.1	19.5
50°-60°	2849.6	18.1
60°-70°	1949.8	12.4
70°-80°	869.3	5.5
80°-90°	196.2	1.2
90°-100°	8.2	0.1
100°-110°	15.4	0.1
110°-120°	22.8	0.1
120°-130°	27.9	0.2
130°-140°	29.2	0.2
140°-150°	26.7	0.2
150°-160°	21.3	0.1
160°-170°	13.6	0.1
170°-180°	4.7	0.0
0°-90°	15590.1	98.9
0°-180°	15760.0	100.0



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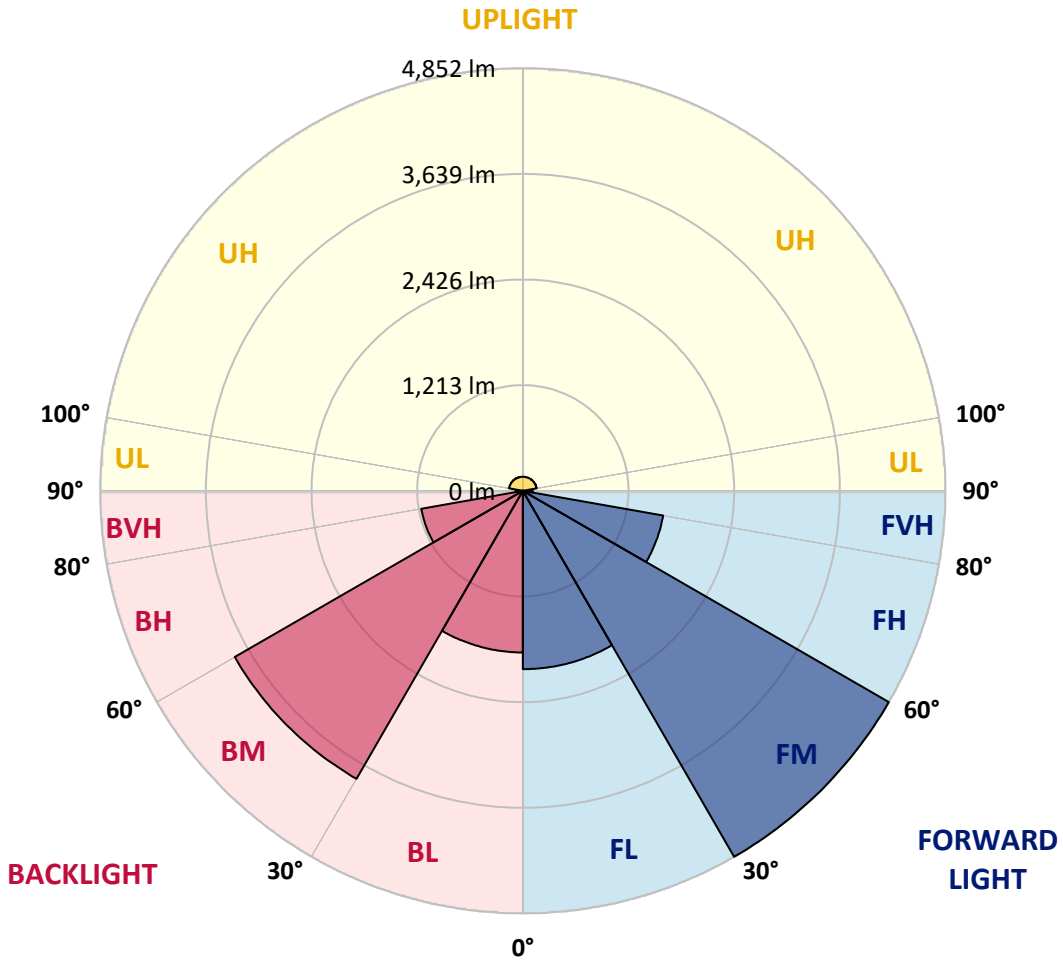
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2047.7	13.0			
FM	(30°-60°)	4852.4	30.8			
FH	(60°-80°)	1635.2	10.4			G1/1800
FVH	(80°-90°)	113.6	0.7			G2/225
BL	(0°-30°)	1855.9	11.8	B3/2500		
BM	(30°-60°)	3818.8	24.2	B3/5000		
BH	(60°-80°)	1184.0	7.5	B3/2500		G3/2500
BVH	(80°-90°)	82.7	0.5			G1/100
UL	(90°-100°)	8.2	0.1		U1/10	
UH	(100°-180°)	161.6	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°	4754.6	4754.6	4754.6	4754.6	4754.6	4754.6	4754.6	4754.6	4754.6	4754.6	4754.6
1°	4778.1	4768.4	4764.6	4757.0	4739.8	4737.0	4737.8	4733.1	4740.7	4748.6	4768.7
2°	4800.4	4789.0	4774.2	4756.6	4728.6	4720.9	4728.3	4727.5	4727.4	4744.3	4778.4
3°	4824.8	4813.7	4782.0	4742.9	4716.4	4709.2	4733.8	4723.4	4717.0	4738.3	4786.3
4°	4844.5	4830.3	4788.9	4738.0	4703.4	4699.1	4749.8	4731.8	4707.3	4730.5	4785.7
5°	4868.1	4849.0	4797.2	4731.3	4699.1	4709.1	4768.6	4745.5	4694.1	4721.2	4788.7
6°	4891.3	4870.8	4799.6	4720.7	4689.9	4727.1	4762.6	4755.3	4692.2	4710.6	4791.3
7°	4912.0	4887.0	4810.7	4718.0	4683.9	4738.9	4738.4	4747.3	4693.6	4696.6	4793.0
8°	4947.0	4905.3	4813.2	4706.4	4686.1	4738.2	4703.9	4721.5	4697.0	4681.8	4795.4
9°	4971.3	4922.3	4813.8	4690.4	4687.0	4713.3	4670.6	4685.6	4710.0	4666.6	4793.8
10°	4995.6	4933.8	4803.3	4668.5	4691.2	4673.0	4645.6	4651.1	4704.9	4650.3	4790.7
11°	5014.4	4950.0	4801.5	4651.0	4682.4	4629.0	4611.5	4620.2	4690.5	4630.4	4789.4
12°	5038.4	4967.6	4800.4	4631.8	4670.6	4600.8	4589.6	4595.7	4655.7	4607.5	4784.0
13°	5063.6	4995.3	4796.1	4607.4	4649.3	4572.8	4570.9	4564.3	4616.6	4575.1	4777.9
14°	5089.9	5011.0	4797.2	4584.4	4613.8	4545.4	4558.3	4540.1	4571.0	4549.0	4770.7
15°	5125.2	5028.3	4790.7	4560.7	4571.8	4517.7	4547.8	4520.1	4529.0	4522.6	4756.0
16°	5151.5	5042.5	4786.0	4536.1	4528.3	4496.2	4536.8	4502.0	4487.7	4500.6	4747.9
17°	5181.6	5063.2	4780.2	4508.4	4486.7	4479.2	4527.3	4480.7	4449.0	4473.7	4738.3
18°	5210.6	5079.7	4770.5	4479.1	4435.1	4461.8	4520.5	4463.0	4412.4	4444.2	4733.8
19°	5238.0	5097.9	4760.1	4449.5	4395.0	4445.1	4513.4	4449.0	4371.1	4413.9	4720.8
20°	5262.2	5113.9	4750.1	4409.4	4353.8	4426.0	4506.4	4437.8	4333.7	4376.9	4706.5
21°	5286.5	5128.6	4729.5	4377.5	4312.6	4402.1	4498.9	4422.3	4294.3	4345.9	4691.0
22°	5307.3	5141.8	4715.4	4344.4	4274.5	4385.0	4487.6	4407.5	4258.4	4317.9	4663.8
23°	5332.1	5161.0	4698.4	4316.0	4235.3	4368.7	4481.9	4391.8	4214.2	4286.3	4643.9
24°	5355.7	5174.1	4682.1	4283.9	4197.5	4353.3	4477.4	4371.3	4180.3	4258.6	4622.6
25°	5390.1	5186.2	4670.5	4251.7	4157.2	4342.5	4471.4	4358.1	4141.1	4232.4	4602.1
26°	5415.3	5198.0	4650.4	4221.2	4118.6	4329.6	4473.2	4342.7	4105.1	4200.5	4576.8
27°	5437.9	5202.2	4629.4	4184.9	4078.7	4312.8	4467.9	4326.4	4066.4	4165.3	4551.9
28°	5463.0	5214.7	4594.4	4151.6	4037.9	4290.6	4463.1	4311.8	4027.1	4126.3	4525.9
29°	5482.0	5226.5	4570.1	4116.2	3986.4	4271.8	4459.7	4296.2	3986.9	4083.1	4496.9
30°	5505.4	5235.7	4545.4	4075.8	3944.5	4253.4	4448.8	4280.4	3936.5	4029.6	4468.4
31°	5528.0	5254.4	4521.0	4025.0	3900.8	4237.0	4440.9	4261.9	3894.5	3955.7	4438.1
32°	5555.1	5267.4	4495.1	3973.2	3856.7	4215.7	4433.2	4247.4	3854.3	3887.2	4408.1
33°	5571.5	5278.7	4468.2	3916.3	3815.9	4199.1	4423.5	4231.3	3813.1	3816.8	4365.9
34°	5586.4	5290.9	4438.7	3848.4	3771.5	4181.9	4408.3	4215.5	3768.2	3746.7	4331.8
35°	5597.1	5298.7	4408.1	3773.1	3727.6	4162.5	4398.8	4189.2	3723.0	3678.4	4295.5
36°	5603.8	5305.4	4370.8	3700.0	3681.4	4143.7	4391.9	4164.8	3675.9	3605.4	4258.2
37°	5607.6	5313.0	4335.9	3626.1	3624.0	4119.5	4394.4	4141.9	3630.4	3532.5	4225.2
38°	5605.0	5314.2	4301.0	3549.2	3574.4	4095.1	4386.7	4124.8	3580.3	3447.8	4186.7
39°	5596.4	5312.9	4266.3	3458.0	3525.9	4077.5	4358.4	4118.2	3531.2	3372.8	4149.1
40°	5581.9	5304.1	4223.3	3381.6	3475.6	4063.4	4320.7	4105.8	3481.8	3297.8	4101.4
41°	5552.3	5294.5	4192.4	3305.2	3420.7	4043.4	4290.8	4075.6	3430.4	3223.8	4063.4
42°	5525.3	5281.7	4160.7	3230.0	3368.7	4015.3	4277.2	4030.4	3368.9	3150.8	4027.7
43°	5494.6	5258.0	4130.1	3150.7	3316.0	3967.5	4248.6	3994.6	3315.7	3068.4	3993.8
44°	5462.3	5231.2	4106.2	3072.5	3260.3	3942.7	4205.2	3977.2	3259.9	2994.3	3959.2

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	5415.2	5199.4	4079.7	2996.3	3198.1	3924.0	4156.2	3947.0	3204.4	2918.9	3929.9
46°	5320.2	5163.2	4055.3	2909.8	3137.6	3896.0	4090.4	3904.4	3155.2	2837.1	3900.5
47°	5239.7	5109.2	4022.8	2830.3	3082.5	3853.7	4008.8	3854.7	3114.0	2758.1	3873.7
48°	5156.4	5038.2	3999.8	2749.2	3037.8	3800.9	3908.8	3804.6	3063.9	2679.2	3845.8
49°	5065.3	4937.5	3975.8	2668.2	2983.4	3750.0	3764.4	3749.4	2982.6	2598.4	3820.2
50°	4961.1	4857.2	3952.1	2585.7	2913.8	3697.5	3609.9	3670.9	2921.4	2505.2	3793.6
51°	4833.6	4777.9	3928.9	2494.7	2844.2	3632.2	3427.0	3577.9	2870.9	2423.4	3766.4
52°	4704.8	4673.9	3903.2	2412.5	2792.1	3535.6	3229.6	3467.5	2815.4	2342.4	3739.5
53°	4569.6	4554.1	3874.7	2328.4	2738.4	3431.7	3005.1	3335.3	2751.1	2258.8	3702.0
54°	4431.3	4403.4	3844.7	2239.3	2678.7	3305.1	2818.5	3178.6	2689.7	2169.0	3669.7
55°	4278.5	4264.3	3814.3	2154.4	2615.6	3142.5	2659.3	2977.7	2626.5	2083.6	3638.6
56°	4142.0	4112.1	3783.8	2067.6	2541.6	2968.6	2531.1	2784.1	2559.4	1996.1	3611.1
57°	3999.7	3941.4	3749.2	1967.6	2473.5	2780.0	2418.3	2596.0	2484.0	1905.5	3575.6
58°	3848.4	3782.8	3699.3	1876.8	2401.3	2587.6	2330.5	2429.2	2407.6	1816.9	3536.6
59°	3664.9	3624.4	3607.3	1787.3	2323.9	2393.9	2252.8	2285.4	2330.3	1716.6	3469.7
60°	3488.7	3464.5	3532.8	1697.4	2236.3	2256.0	2181.7	2179.8	2249.2	1626.4	3380.5
61°	3296.0	3291.5	3455.1	1600.9	2156.3	2148.2	2026.7	2094.4	2153.8	1536.5	3306.1
62°	3082.1	3126.5	3339.2	1515.2	2071.3	2059.8	1835.9	2018.9	2071.4	1439.6	3213.6
63°	2863.6	2961.7	3197.6	1429.2	1977.4	1980.4	1713.4	1936.6	1983.0	1362.0	3087.2
64°	2658.1	2790.2	3026.0	1342.4	1889.4	1908.7	1632.6	1797.9	1880.7	1285.6	2913.1
65°	2502.3	2570.5	2825.7	1253.7	1796.3	1775.9	1548.2	1653.5	1753.9	1200.6	2720.7
66°	2346.9	2353.4	2565.0	1173.3	1690.1	1621.4	1463.2	1568.4	1611.4	1113.7	2492.6
67°	2112.1	2171.3	2302.2	1084.0	1551.2	1546.8	1369.5	1507.4	1447.5	1032.7	2228.9
68°	1848.1	1997.9	2018.0	995.3	1399.8	1488.1	1268.0	1446.7	1288.4	950.2	1921.1
69°	1712.4	1739.8	1731.6	900.1	1233.8	1428.6	1174.8	1376.9	1143.2	855.2	1623.4
70°	1631.2	1525.8	1466.4	817.6	1075.8	1353.8	1076.6	1299.3	1049.1	771.2	1337.1
71°	1555.0	1432.7	1283.7	735.5	967.8	1285.9	975.2	1231.7	983.3	690.8	1122.3
72°	1474.5	1362.9	1303.4	649.9	895.6	1221.5	853.7	1160.5	906.6	613.1	1049.3
73°	1387.3	1299.8	1417.4	574.7	827.2	1148.2	741.0	1085.7	829.0	532.3	1232.6
74°	1284.2	1236.8	1112.3	505.0	744.4	1076.0	637.8	997.6	782.7	463.2	1096.6
75°	1182.1	1169.6	726.0	440.0	697.8	1001.5	545.5	907.5	739.0	400.4	656.6
76°	1080.3	1085.0	605.7	373.9	654.8	916.4	463.0	804.6	690.7	342.7	521.3
77°	973.3	1003.8	533.4	321.9	604.0	804.3	396.9	702.5	642.7	287.8	457.0
78°	874.7	933.3	531.7	274.8	561.9	702.9	334.9	601.2	600.8	242.1	440.0
79°	773.6	869.6	526.4	233.5	521.9	608.2	257.4	523.1	559.9	201.6	466.6
80°	674.4	800.0	401.0	191.0	483.5	530.4	169.1	453.2	512.7	163.8	344.6
81°	566.0	727.6	278.7	153.1	439.5	453.2	106.3	378.2	467.7	129.4	232.9
82°	467.9	632.0	235.5	119.0	398.6	384.2	83.7	297.6	422.9	96.9	193.4
83°	370.2	516.9	205.2	87.0	355.6	298.6	64.5	184.9	374.4	73.4	167.0
84°	283.8	445.5	176.1	64.3	309.4	179.0	47.9	85.4	317.4	54.7	146.2
85°	193.5	374.0	149.8	46.5	263.0	69.9	38.1	43.7	263.3	38.2	124.4
86°	137.2	276.3	126.6	32.3	205.9	36.2	23.9	29.4	214.9	26.5	101.4
87°	81.7	184.4	91.1	19.2	163.4	21.9	15.1	18.2	152.4	17.2	69.6
88°	28.7	68.0	39.5	9.8	95.1	11.6	10.3	11.1	57.3	9.9	24.3
89°	3.5	3.8	3.7	4.1	24.5	5.7	8.1	8.3	8.1	5.5	6.2

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Scaled Data Report

REPORT NUMBER: P1449827
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	2.3	2.8	2.6	1.9	3.2	3.7	8.4	8.3	7.7	5.0	6.2
91°	2.3	3.0	2.9	2.3	3.5	4.1	9.1	9.0	8.4	5.5	6.9
92°	2.8	3.5	3.1	2.5	4.0	4.3	9.9	9.6	9.1	6.1	7.3
93°	3.1	3.6	3.5	2.9	4.2	5.0	10.7	10.7	9.8	6.6	7.8
94°	3.1	4.1	3.8	3.0	4.7	5.1	11.7	11.4	10.5	7.1	8.3
95°	3.6	4.4	4.2	3.2	5.4	5.6	12.6	12.3	11.4	7.7	9.0
96°	3.8	4.7	4.6	3.7	5.9	6.2	13.4	13.2	12.1	8.3	9.3
97°	4.4	5.3	5.0	3.8	6.2	6.9	14.6	14.0	13.0	9.1	10.2
98°	4.8	5.6	5.1	4.4	7.2	7.5	15.4	15.1	13.9	9.7	10.7
99°	5.0	6.2	5.9	4.8	7.8	8.0	16.6	16.3	15.0	10.2	11.3
100°	5.6	6.7	6.2	5.3	8.4	8.7	17.7	17.2	15.6	11.0	12.0
101°	6.3	7.1	6.7	5.9	8.9	9.5	18.7	18.2	16.6	11.5	12.5
102°	6.8	7.7	7.2	6.2	9.8	10.3	19.9	19.5	17.6	12.3	13.3
103°	7.3	8.4	7.7	6.9	10.3	10.9	21.2	20.4	18.7	13.0	13.9
104°	7.9	9.1	8.1	7.3	10.9	11.7	21.9	21.7	19.6	14.1	14.8
105°	8.6	9.3	8.7	7.9	11.7	12.6	23.2	22.9	20.4	14.6	15.6
106°	9.2	10.2	9.3	8.6	12.6	13.4	24.3	24.1	21.4	15.6	16.3
107°	9.9	10.8	10.1	9.2	13.2	14.4	25.7	25.3	22.5	16.4	17.1
108°	10.5	11.5	10.5	9.9	14.0	15.3	26.9	26.5	23.2	17.4	17.7
109°	11.4	12.2	11.3	10.5	15.1	16.4	28.1	27.7	24.5	18.0	18.4
110°	12.0	12.9	11.7	11.3	15.8	17.4	29.2	28.7	25.4	18.9	19.3
111°	12.9	13.5	12.2	11.9	16.6	18.3	30.9	30.3	26.2	19.8	20.1
112°	13.5	14.3	12.9	12.5	17.4	19.4	32.1	31.4	27.1	20.6	21.1
113°	14.4	15.2	13.5	13.3	18.1	20.7	33.0	32.4	28.0	21.7	21.3
114°	15.2	15.9	14.1	14.1	18.8	21.5	34.4	33.6	29.1	22.3	22.3
115°	16.0	16.8	15.0	14.8	19.6	22.5	35.4	34.5	29.7	23.2	23.1
116°	16.9	17.5	15.6	15.7	20.6	24.1	36.8	35.8	30.5	24.1	23.6
117°	18.0	18.4	16.0	16.2	21.2	24.7	37.7	36.8	31.6	24.9	24.4
118°	18.8	19.0	16.9	17.0	22.0	25.7	38.9	37.6	31.8	25.9	25.1
119°	19.5	20.0	17.6	17.7	22.7	26.8	40.0	38.7	32.8	26.9	26.0
120°	20.6	21.0	18.3	18.4	23.7	27.8	40.9	39.6	33.6	27.5	26.6
121°	21.3	21.5	18.8	19.4	24.4	29.1	41.9	40.5	34.2	28.4	27.4
122°	22.4	22.5	19.6	20.1	25.1	29.7	42.7	41.4	35.1	29.1	28.0
123°	23.2	23.0	20.6	20.7	26.0	30.8	43.6	41.9	36.0	29.9	28.9
124°	24.1	23.8	21.0	21.7	26.8	31.7	44.5	43.0	36.8	30.7	29.6
125°	24.9	24.5	21.8	22.4	27.7	32.3	45.4	43.5	37.4	31.6	30.3
126°	25.7	25.5	22.4	23.2	28.5	33.4	46.1	44.1	37.7	32.2	31.0
127°	26.7	26.1	23.2	23.8	29.1	34.2	46.6	44.5	38.6	32.6	31.6
128°	27.4	26.7	23.9	24.7	30.3	35.1	47.2	45.4	39.1	33.3	32.0
129°	28.5	27.7	24.5	25.5	31.0	36.0	47.8	46.0	40.0	34.2	32.8
130°	29.1	28.3	25.1	26.0	31.8	36.9	48.1	46.5	40.5	34.7	33.5
131°	29.7	29.0	25.9	26.8	32.6	37.2	48.8	46.9	41.2	35.3	34.2
132°	30.5	29.4	26.6	27.8	33.3	38.3	49.3	47.4	41.7	35.8	34.5
133°	31.2	30.4	27.2	28.3	34.1	38.9	49.7	47.8	42.4	36.6	35.3
134°	31.8	30.8	27.9	29.0	35.1	39.7	50.2	48.3	42.7	37.0	35.9

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

Scaled Data Report

REPORT NUMBER: P1449827
CATALOG NUMBER: TWC100_T3_100W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	32.3	31.2	28.5	29.4	35.8	40.2	50.6	48.7	43.3	37.8	36.3
136°	33.0	31.8	29.1	30.3	36.6	41.2	50.9	49.1	43.7	38.4	37.0
137°	33.8	32.6	29.9	31.0	37.4	41.9	51.2	49.3	44.4	38.8	37.7
138°	34.4	33.2	30.4	31.7	38.1	42.5	51.5	49.7	44.7	39.3	38.0
139°	34.8	34.1	31.2	32.3	38.8	43.2	51.6	49.8	45.3	39.7	38.7
140°	35.6	34.5	31.7	32.9	39.4	43.7	52.2	50.1	45.5	40.5	39.3
141°	36.0	34.8	32.4	33.4	40.1	44.7	52.2	50.3	46.0	40.9	39.4
142°	36.9	35.4	32.9	33.9	40.7	44.8	52.3	50.6	46.1	41.3	40.0
143°	36.9	36.0	33.6	34.5	41.3	45.6	52.2	50.8	46.5	42.0	40.6
144°	37.7	36.6	34.2	35.3	41.8	46.2	52.2	50.9	46.9	42.3	40.9
145°	38.2	37.0	35.1	35.9	42.0	46.7	52.3	51.0	47.2	42.7	41.4
146°	38.8	37.5	35.4	36.4	42.7	47.3	52.3	51.1	47.4	43.2	41.9
147°	39.0	38.1	36.2	37.0	43.1	47.7	52.3	51.2	47.8	43.7	42.4
148°	39.6	38.6	36.8	37.6	43.5	48.3	52.2	51.4	47.8	44.2	42.9
149°	40.4	39.1	36.9	38.1	43.9	48.4	52.4	51.5	48.1	44.5	43.5
150°	40.7	39.6	37.6	38.7	44.4	48.7	52.6	51.5	48.3	45.1	43.6
151°	41.3	40.1	38.3	39.3	44.7	49.1	52.4	51.8	48.6	45.3	43.9
152°	41.8	40.6	38.9	39.9	45.0	49.4	52.4	51.7	48.8	45.7	44.5
153°	42.0	41.1	39.5	40.1	45.3	49.7	52.4	51.7	49.0	46.2	44.9
154°	42.7	41.4	40.0	40.7	45.7	50.1	52.3	51.5	49.3	46.5	45.0
155°	43.1	42.0	40.4	41.2	46.1	50.1	52.1	51.6	49.3	46.7	45.6
156°	43.3	42.0	40.9	41.9	46.2	50.1	51.8	51.5	49.6	47.1	46.0
157°	43.5	42.3	41.2	42.0	46.7	50.4	51.7	51.5	49.4	47.3	46.2
158°	43.9	42.7	41.5	42.6	46.7	50.5	51.5	51.6	49.7	47.5	46.5
159°	44.2	43.2	42.1	42.9	47.3	50.6	51.5	51.4	49.7	47.8	46.8
160°	44.3	43.5	42.6	43.6	47.5	50.6	51.2	51.4	49.7	48.0	46.7
161°	44.7	43.7	43.1	44.1	47.9	51.0	51.1	51.2	49.8	48.3	47.2
162°	45.0	44.3	43.5	44.8	48.3	51.0	51.0	51.1	49.8	48.5	47.7
163°	45.1	44.5	43.8	45.0	48.4	51.2	50.6	51.1	49.9	48.8	47.8
164°	45.5	44.5	44.2	45.3	48.6	51.4	50.6	50.9	50.1	48.8	47.8
165°	45.5	44.8	44.5	45.6	48.8	51.2	50.4	50.9	50.1	48.8	48.1
166°	46.0	45.4	44.9	46.0	49.1	51.4	50.4	50.9	50.1	49.2	48.5
167°	46.1	45.6	45.3	46.5	49.2	51.6	50.2	50.8	50.1	49.3	48.6
168°	46.5	46.0	45.7	46.9	49.4	51.5	50.2	50.6	50.3	49.7	49.0
169°	46.8	46.1	46.2	47.2	49.4	51.2	50.3	50.5	50.3	49.7	49.0
170°	47.1	46.5	46.6	47.5	49.7	51.6	50.3	50.4	50.5	49.9	49.3
171°	47.3	46.7	46.9	48.0	50.1	51.7	50.2	50.4	50.5	50.2	49.3
172°	47.9	47.1	47.3	48.3	50.1	51.4	50.3	50.4	50.2	50.2	49.4
173°	47.8	47.4	47.8	48.6	50.3	51.4	50.4	50.3	50.2	50.4	49.9
174°	48.1	47.8	47.8	49.0	50.5	51.2	50.6	50.3	50.2	50.4	50.2
175°	48.7	48.0	48.4	49.3	50.5	51.6	50.6	50.3	50.2	50.5	50.2
176°	49.1	48.3	48.6	49.6	50.5	51.2	50.4	50.1	50.2	50.5	50.4
177°	49.2	48.8	48.8	49.7	50.5	51.4	50.3	50.1	50.2	50.4	50.5
178°	49.8	48.8	49.2	49.9	50.6	51.2	50.4	49.8	49.9	50.5	50.6
179°	49.6	49.2	49.3	50.3	50.8	51.1	50.2	49.8	49.8	50.4	50.9

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

Scaled Data Report

REPORT NUMBER: P1449827
CATALOG NUMBER: TWC100_T3_100W_3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	*50.2*	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1449827
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CANDELA DISTRIBUTION (continued):

	330°	360°
0°	4754.6	4754.6
1°	4774.3	4778.1
2°	4793.6	4800.4
3°	4812.4	4824.8
4°	4830.1	4844.5
5°	4843.5	4868.1
6°	4860.6	4891.3
7°	4876.1	4912.0
8°	4901.8	4947.0
9°	4919.1	4971.3
10°	4934.5	4995.6
11°	4951.7	5014.4
12°	4959.8	5038.4
13°	4974.4	5063.6
14°	4990.5	5089.9
15°	5015.3	5125.2
16°	5031.9	5151.5
17°	5047.5	5181.6
18°	5064.1	5210.6
19°	5077.2	5238.0
20°	5092.7	5262.2
21°	5104.5	5286.5
22°	5114.1	5307.3
23°	5124.6	5332.1
24°	5135.1	5355.7
25°	5145.7	5390.1
26°	5165.6	5415.3
27°	5175.9	5437.9
28°	5185.8	5463.0
29°	5192.9	5482.0
30°	5194.4	5505.4
31°	5204.4	5528.0
32°	5213.0	5555.1
33°	5232.4	5571.5
34°	5241.1	5586.4
35°	5248.3	5597.1
36°	5253.5	5603.8
37°	*5252.4*	*5607.6*
38°	5253.5	5605.0
39°	5248.3	5596.4
40°	5237.8	5581.9
41°	5216.2	5552.3
42°	5198.5	5525.3
43°	5170.7	5494.6
44°	5141.8	5462.3

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1449827
CATALOG NUMBER: TWC100_T3_100W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	5109.9	5415.2
46°	5070.8	5320.2
47°	5022.5	5239.7
48°	4938.7	5156.4
49°	4826.3	5065.3
50°	4749.4	4961.1
51°	4660.7	4833.6
52°	4550.8	4704.8
53°	4419.4	4569.6
54°	4282.9	4431.3
55°	4135.3	4278.5
56°	3978.8	4142.0
57°	3804.4	3999.7
58°	3643.5	3848.4
59°	3482.6	3664.9
60°	3300.1	3488.7
61°	3137.5	3296.0
62°	2976.7	3082.1
63°	2814.8	2863.6
64°	2631.2	2658.1
65°	2425.7	2502.3
66°	2218.0	2346.9
67°	2057.9	2112.1
68°	1851.6	1848.1
69°	1583.9	1712.4
70°	1429.0	1631.2
71°	1354.9	1555.0
72°	1287.8	1474.5
73°	1224.1	1387.3
74°	1159.5	1284.2
75°	1090.7	1182.1
76°	1001.5	1080.3
77°	925.1	973.3
78°	860.5	874.7
79°	799.2	773.6
80°	728.1	674.4
81°	655.3	566.0
82°	553.0	467.9
83°	460.1	370.2
84°	391.5	283.8
85°	299.8	193.5
86°	227.1	137.2
87°	128.7	81.7
88°	9.7	28.7
89°	6.3	3.5

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

REPORT NUMBER: P1449827
CATALOG NUMBER: TWC100_T3_100W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	6.9	2.3
91°	7.2	2.3
92°	7.8	2.8
93°	8.4	3.1
94°	9.1	3.1
95°	9.8	3.6
96°	10.4	3.8
97°	11.3	4.4
98°	11.9	4.8
99°	12.7	5.0
100°	13.5	5.6
101°	14.4	6.3
102°	15.2	6.8
103°	15.9	7.3
104°	16.6	7.9
105°	17.6	8.6
106°	18.6	9.2
107°	19.4	9.9
108°	20.1	10.5
109°	20.7	11.4
110°	21.8	12.0
111°	22.5	12.9
112°	23.7	13.5
113°	24.4	14.4
114°	25.3	15.2
115°	26.1	16.0
116°	26.9	16.9
117°	28.0	18.0
118°	28.7	18.8
119°	29.4	19.5
120°	30.3	20.6
121°	31.0	21.3
122°	32.0	22.4
123°	32.2	23.2
124°	33.2	24.1
125°	33.8	24.9
126°	34.5	25.7
127°	34.8	26.7
128°	35.4	27.4
129°	35.8	28.5
130°	36.5	29.1
131°	37.0	29.7
132°	37.4	30.5
133°	37.8	31.2
134°	38.4	31.8

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

REPORT NUMBER: P1449827
CATALOG NUMBER: TWC100_T3_100W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	39.1	32.3
136°	39.4	33.0
137°	39.7	33.8
138°	40.1	34.4
139°	40.6	34.8
140°	40.9	35.6
141°	41.3	36.0
142°	41.8	36.9
143°	42.3	36.9
144°	42.4	37.7
145°	42.6	38.2
146°	43.0	38.8
147°	43.1	39.0
148°	43.8	39.6
149°	44.2	40.4
150°	44.2	40.7
151°	44.4	41.3
152°	44.8	41.8
153°	44.9	42.0
154°	45.0	42.7
155°	45.3	43.1
156°	45.5	43.3
157°	45.7	43.5
158°	45.9	43.9
159°	46.2	44.2
160°	46.5	44.3
161°	46.8	44.7
162°	46.7	45.0
163°	46.9	45.1
164°	47.2	45.5
165°	47.3	45.5
166°	47.8	46.0
167°	47.9	46.1
168°	48.3	46.5
169°	48.3	46.8
170°	48.6	47.1
171°	49.1	47.3
172°	49.1	47.9
173°	49.4	47.8
174°	49.6	48.1
175°	50.1	48.7
176°	50.2	49.1
177°	50.4	49.2
178°	50.5	49.8
179°	50.8	49.6

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

REPORT NUMBER: P1449827
CATALOG NUMBER: TWC100_T3_100W_3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	50.2	50.2

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Lumark

Report Number: SP1-2601-659-1

Test Date: 02/12/2026

Luminaire Tested: MWP2460W34VDDKYYAD-T4-24W-3000K

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

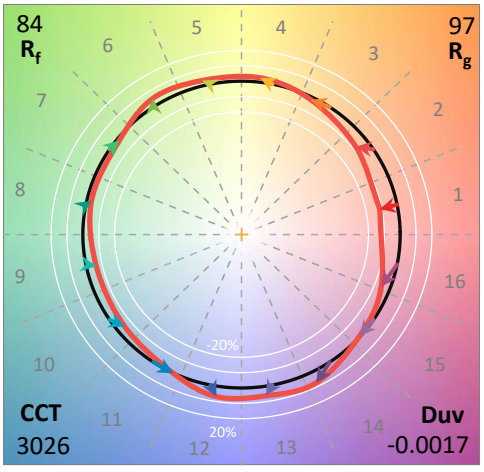
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2601-659-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	02/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Lumark
Catalog Number:	**MWP2460W34VDDKYYAD-T4-24W-3000K**
Description:	Mester Wedge, at T4 beam setting, 24W output, 3000K

Spectral Parameters

CCT (K):	3026
CIE u':	0.2503
CIE v':	0.5184
Duv:	-0.0017
CIE x:	0.4326
CIE y:	0.3983
CIE z:	0.1691
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	583
Purity:	49.3886
Rf:	84
Rg:	97.4

CRI (Ra):	82.7				
R1:	81.4	R9:	7.5		
R2:	90.7	R10:	78.8		
R3:	96.3	R11:	80.8		
R4:	81.1	R12:	70.7		
R5:	81.6	R13:	83.7		
R6:	88.6	R14:	98.6		
R7:	82.6	R15:	74.2		
R8:	59.3				



Test Conditions

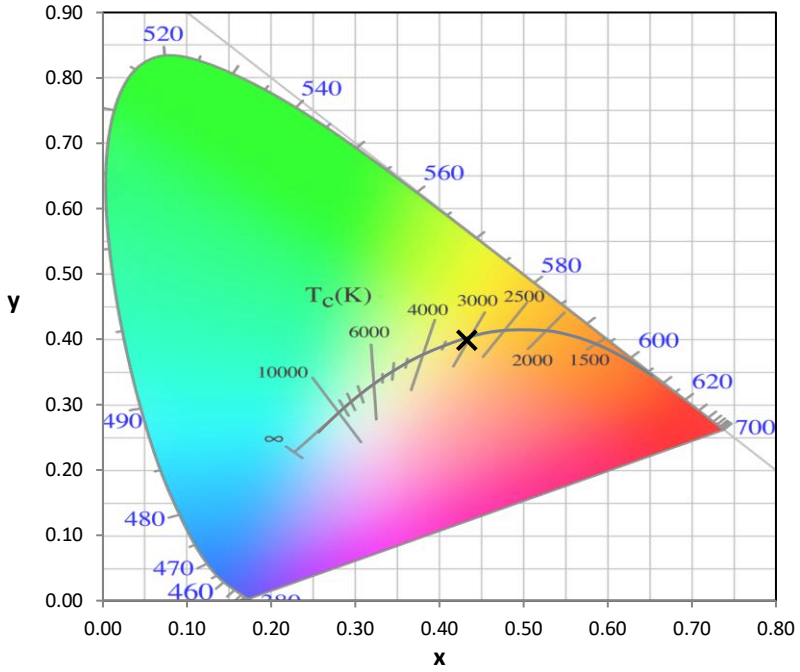
Stabilization Time:	64M
Operation Time:	2H 4M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2601-659-1

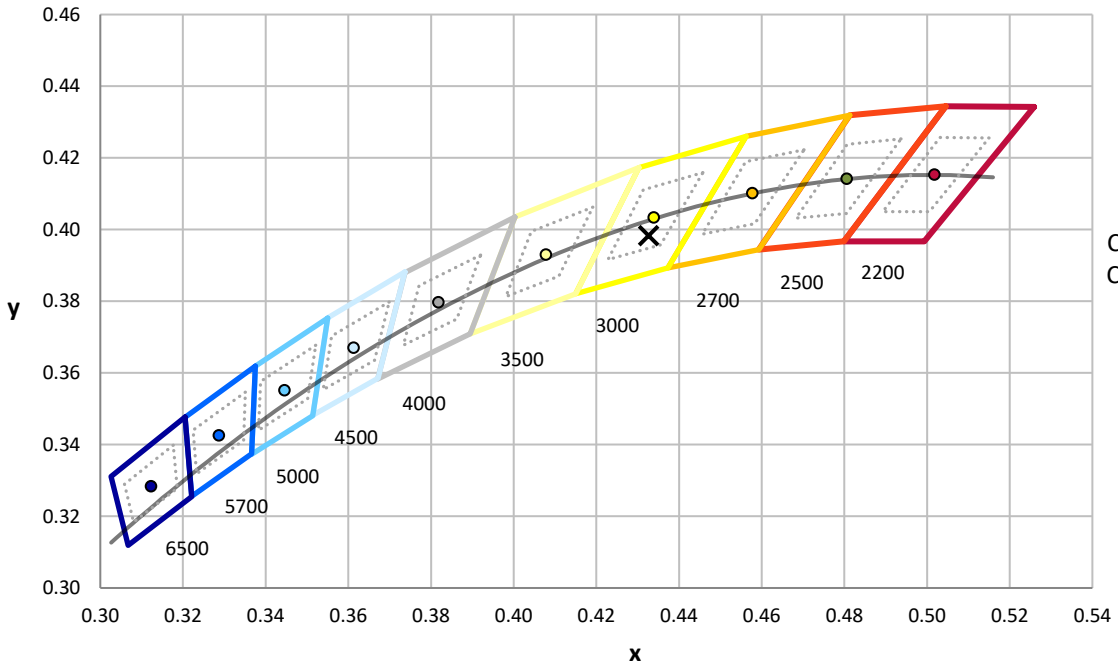
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2601-659-1

CIE 1931 Chromaticity Diagram



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



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

Point lies inside the ANSI 3000K 4-step quadrangle

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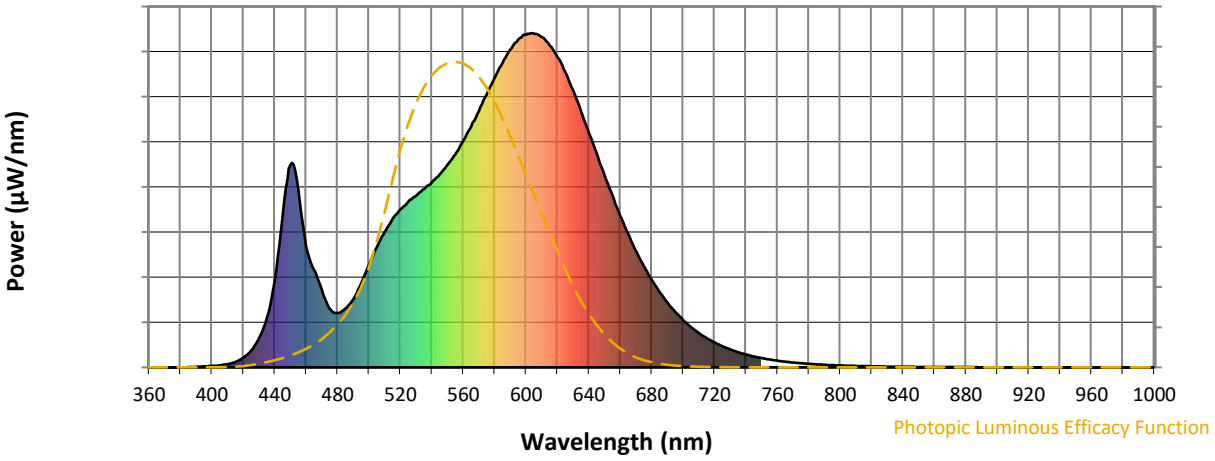
Photopic Flux vs. Wavelength



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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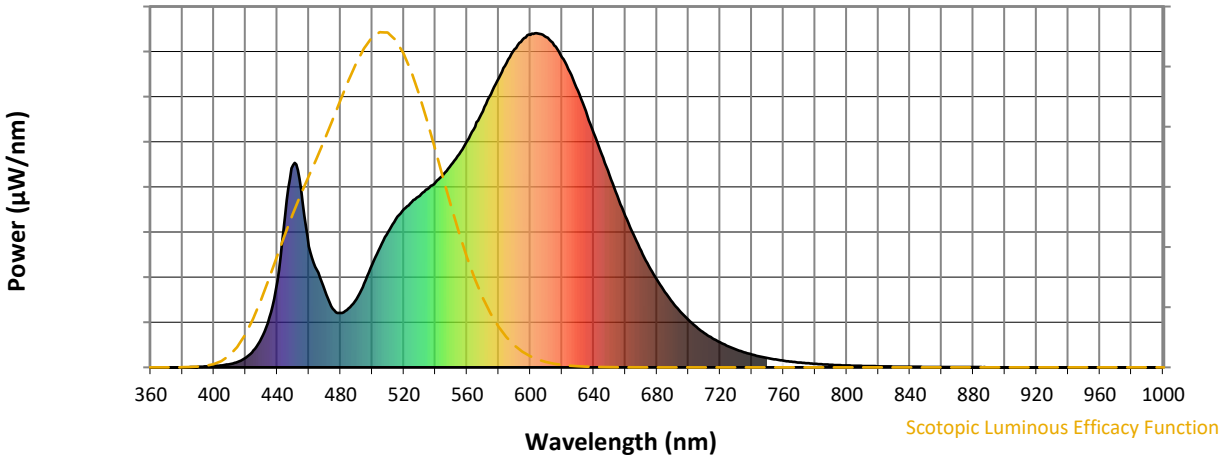
Scotopic Flux vs. Wavelength



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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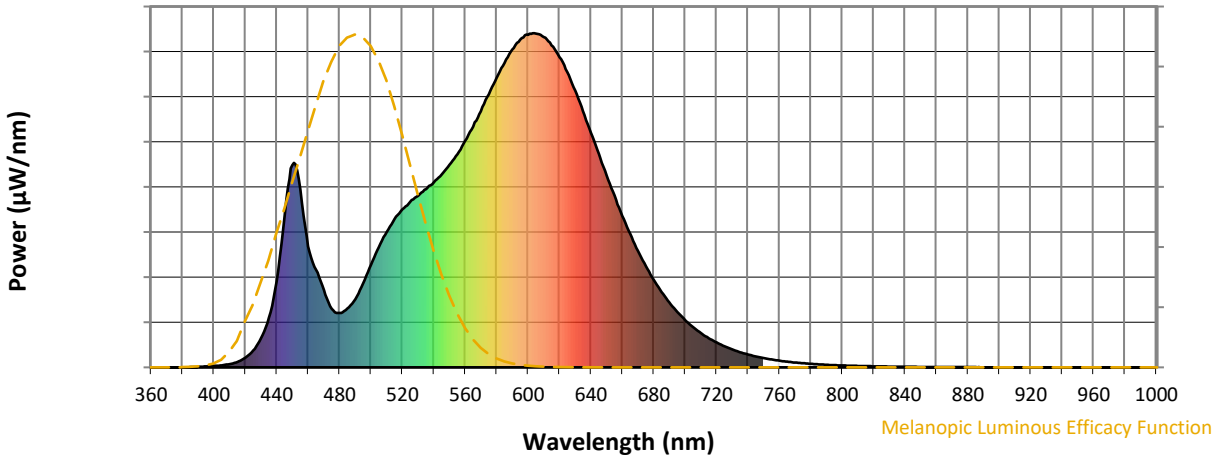
Melanopic Flux vs. Wavelength



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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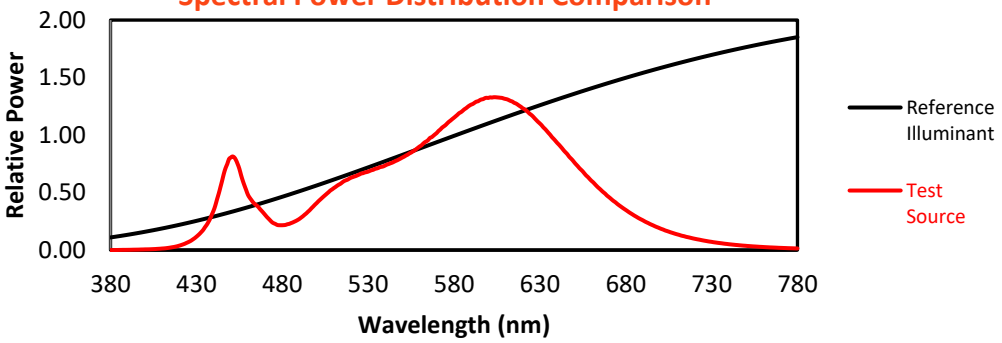
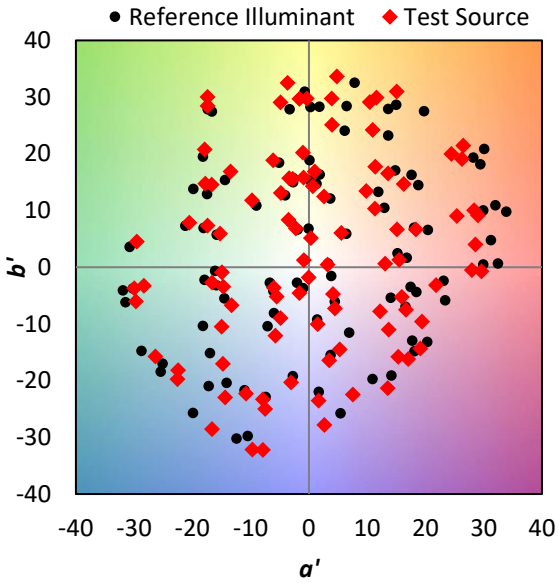
Summary

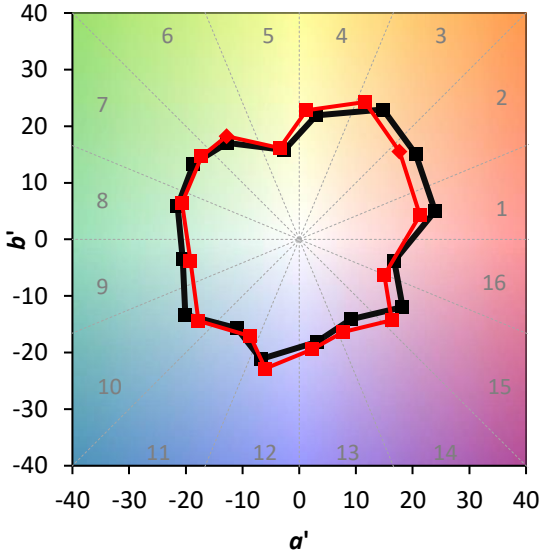
R_f = 84
R_g = 97.4
CIE R_a = 82.7
R_9 = 7.5

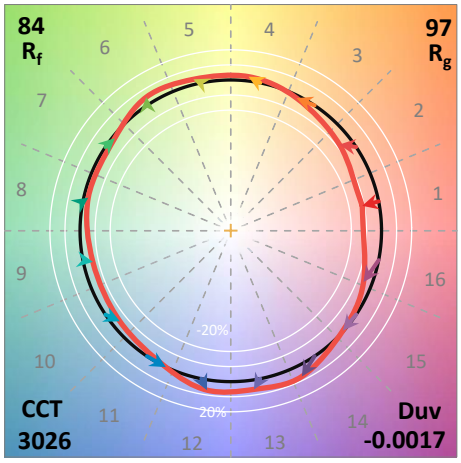
Spectral Power Distribution Comparison

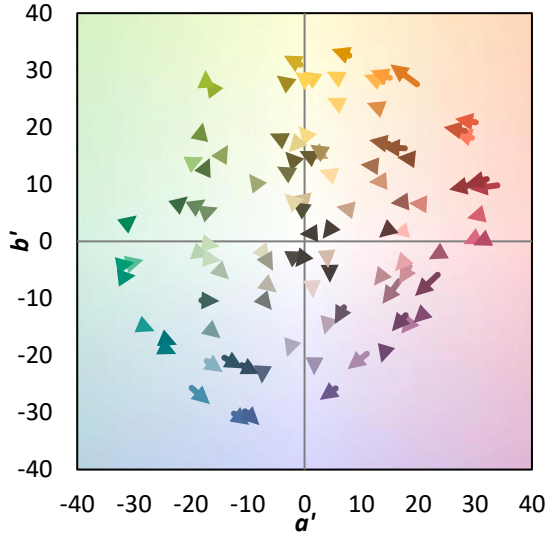


Color Vector Graphics









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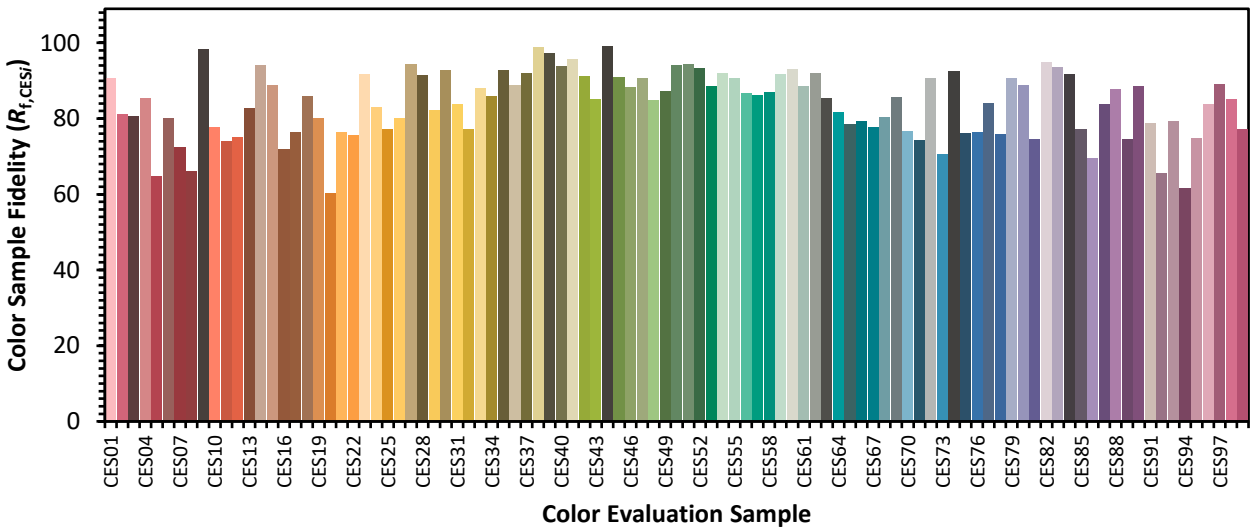
Individual Sample Fidelity Index ($R_{f,i}$)

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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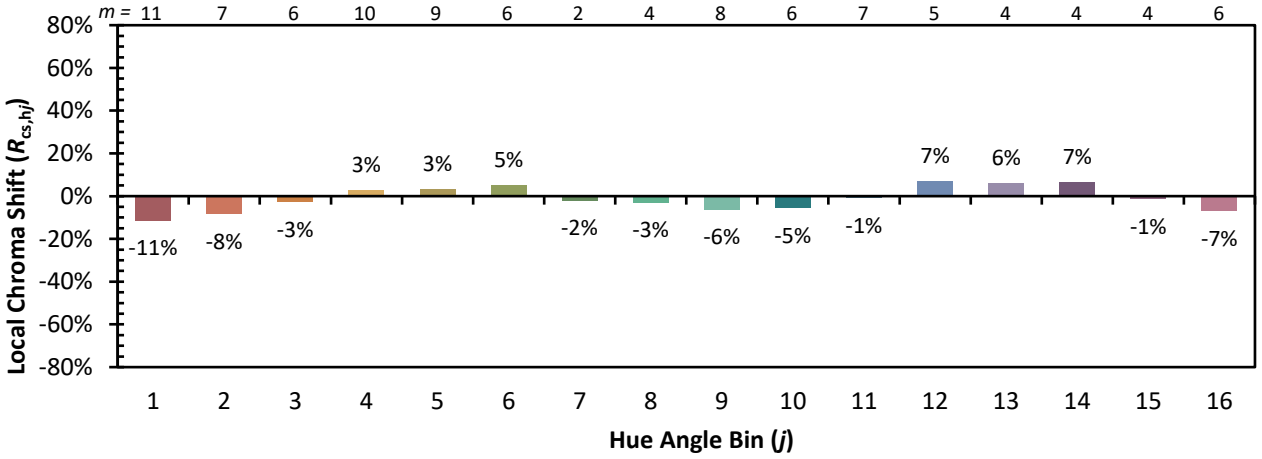
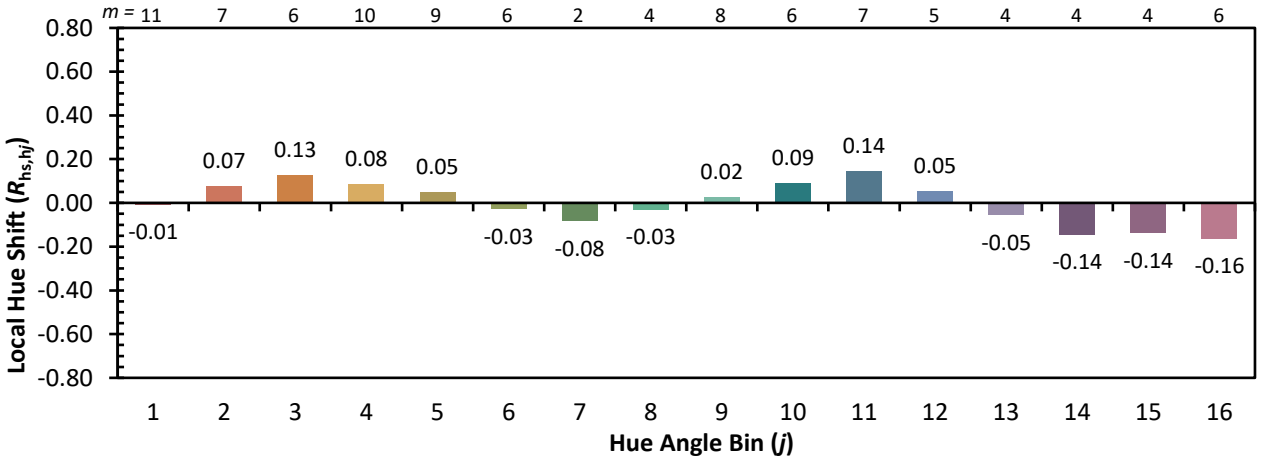
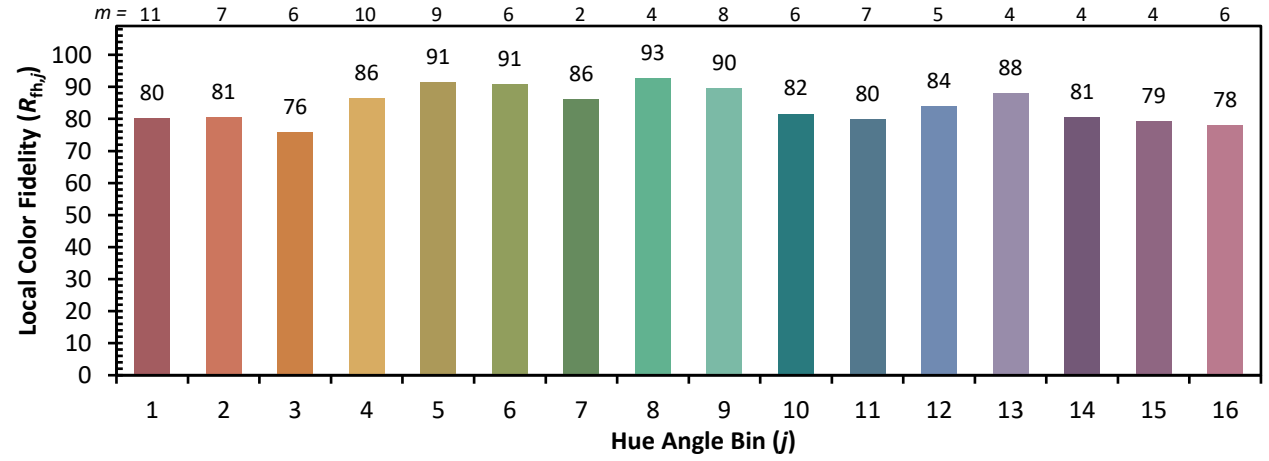
Color Rendition by Hue-Angle Bin







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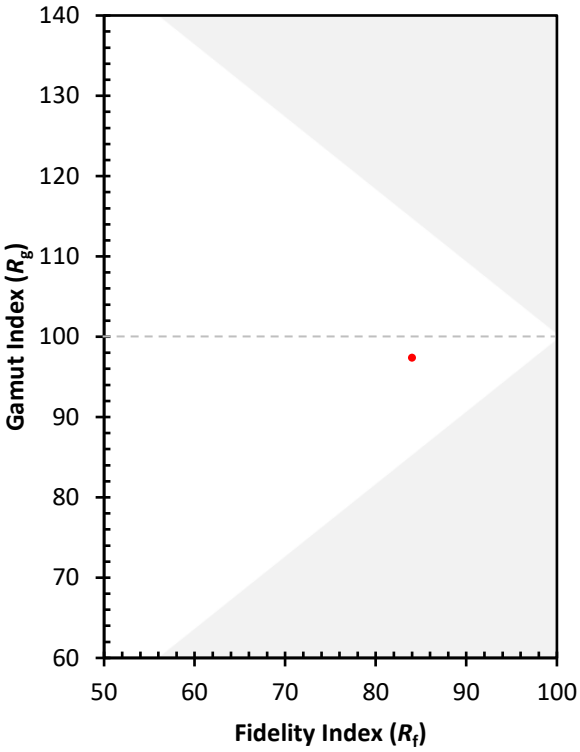
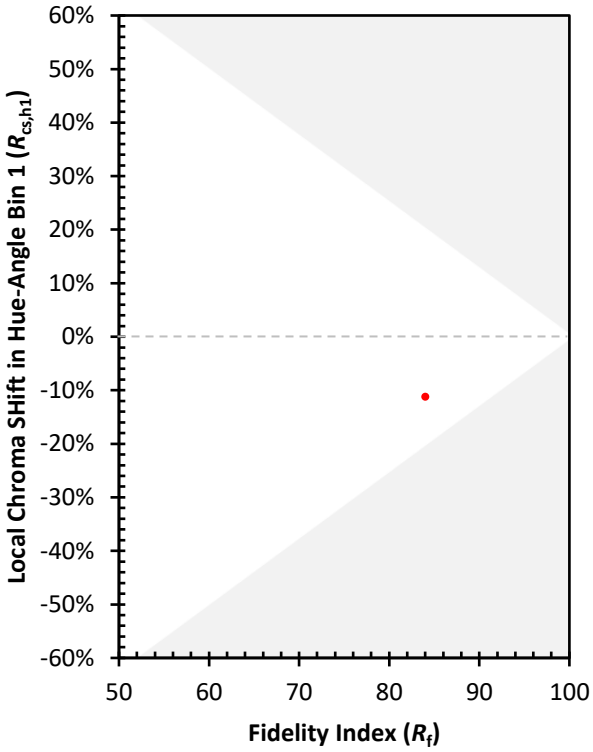
Measure Comparisons





(END OF REPORT)