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: P1449829

Luminaire Tested: **TWC100_T3_100W_5000K**

Issue Date: 5/19/2026

Report Generated By 670246072

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1449829
	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_5000K
Description:	Tapered Wall Cutoff Wall Mount Luminaire at, T3 distribution, 100W 5000K settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16793 lumens
Efficiency:	N/A
Efficacy:	174.7 lumens/watt
Luminous Opening:	Rectangular (W 0.92' x L: 0.42' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U3 - G3

Input Watts (W):	96.1
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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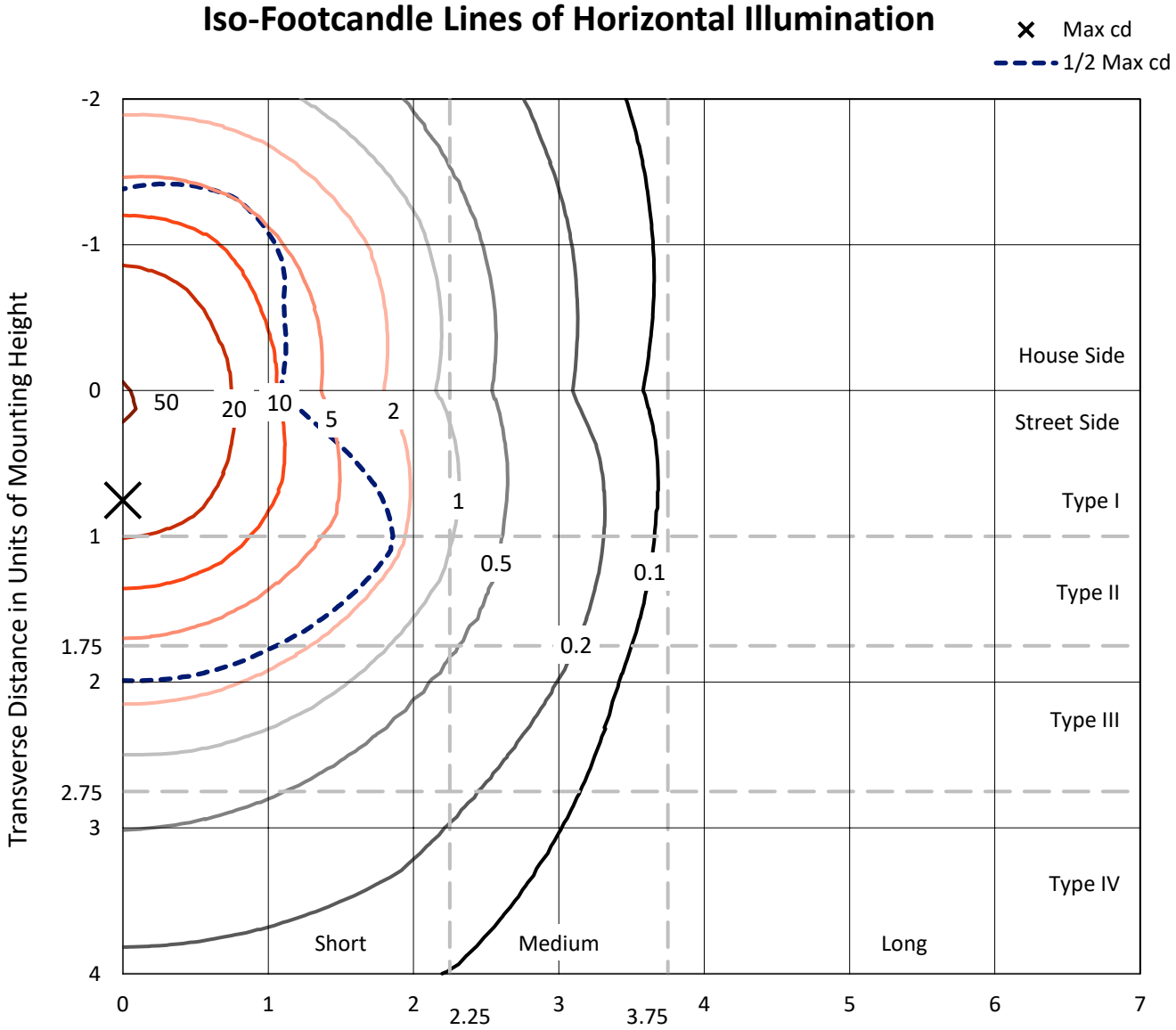
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 51.2 fc
Type III - Short - N/A

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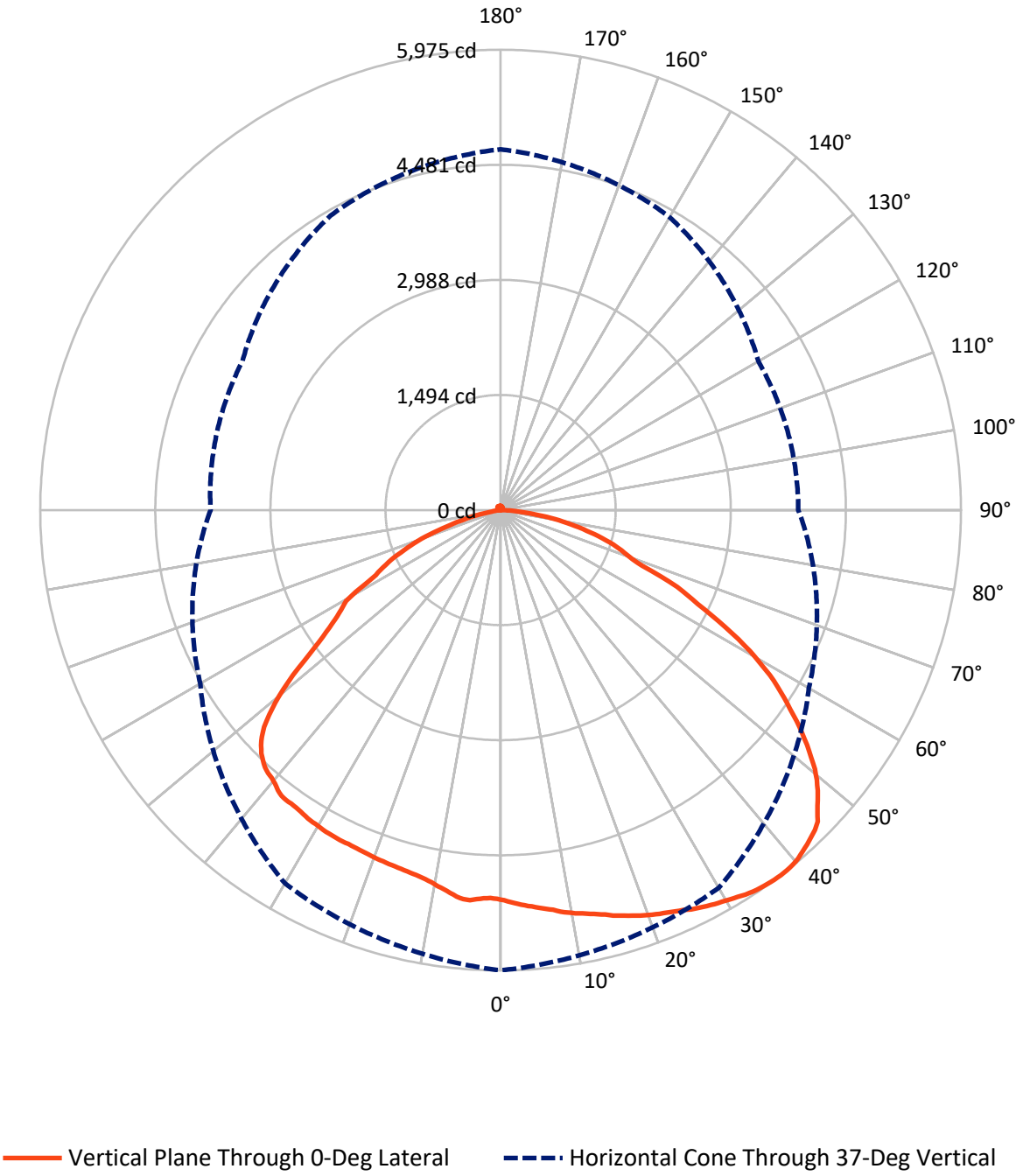
Luminous Intensity Polar Plot



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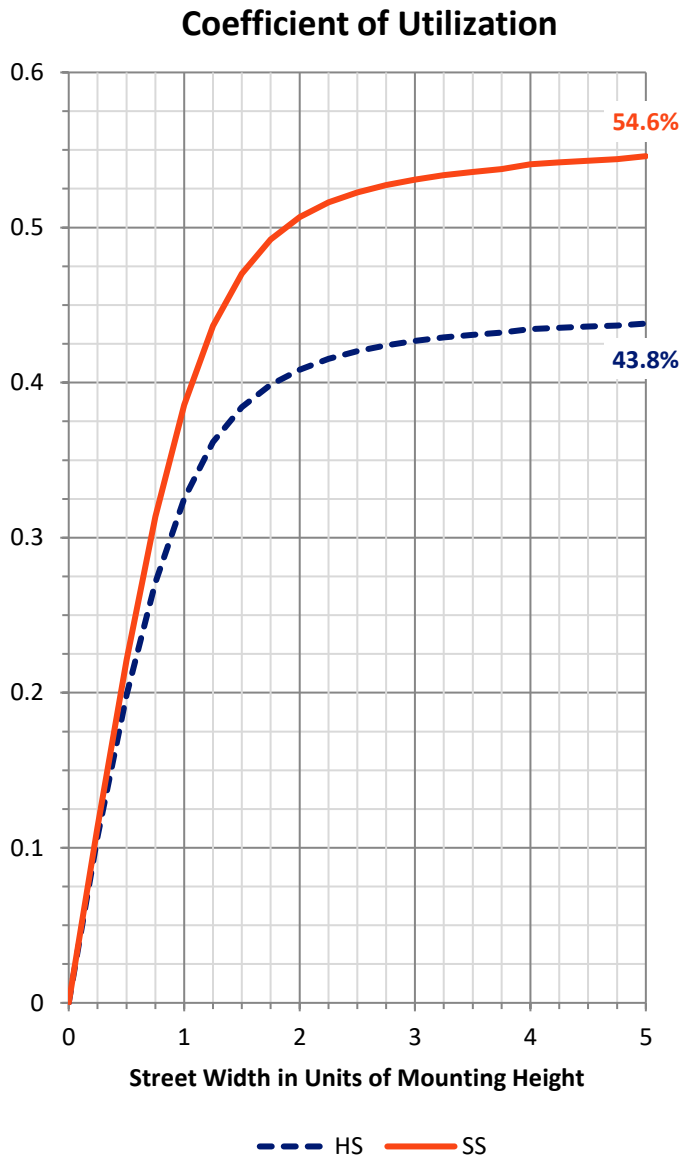
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7396.3	100.8	7497.0
	% Fixture	44.0	0.6	44.6
Street Side	Lumens	9215.8	80.2	9296.0
	% Fixture	54.9	0.5	55.4
Total	Lumens	16612.0	181.0	16793.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.0	2.9
10°-20°	1419.8	8.5
20°-30°	2254.6	13.4
30°-40°	2920.1	17.4
40°-50°	3283.0	19.5
50°-60°	3036.4	18.1
60°-70°	2077.6	12.4
70°-80°	926.3	5.5
80°-90°	209.1	1.2
90°-100°	8.8	0.1
100°-110°	16.4	0.1
110°-120°	24.3	0.1
120°-130°	29.8	0.2
130°-140°	31.1	0.2
140°-150°	28.5	0.2
150°-160°	22.7	0.1
160°-170°	14.5	0.1
170°-180°	5.0	0.0
0°-90°	16612.0	98.9
0°-180°	16793.0	100.0



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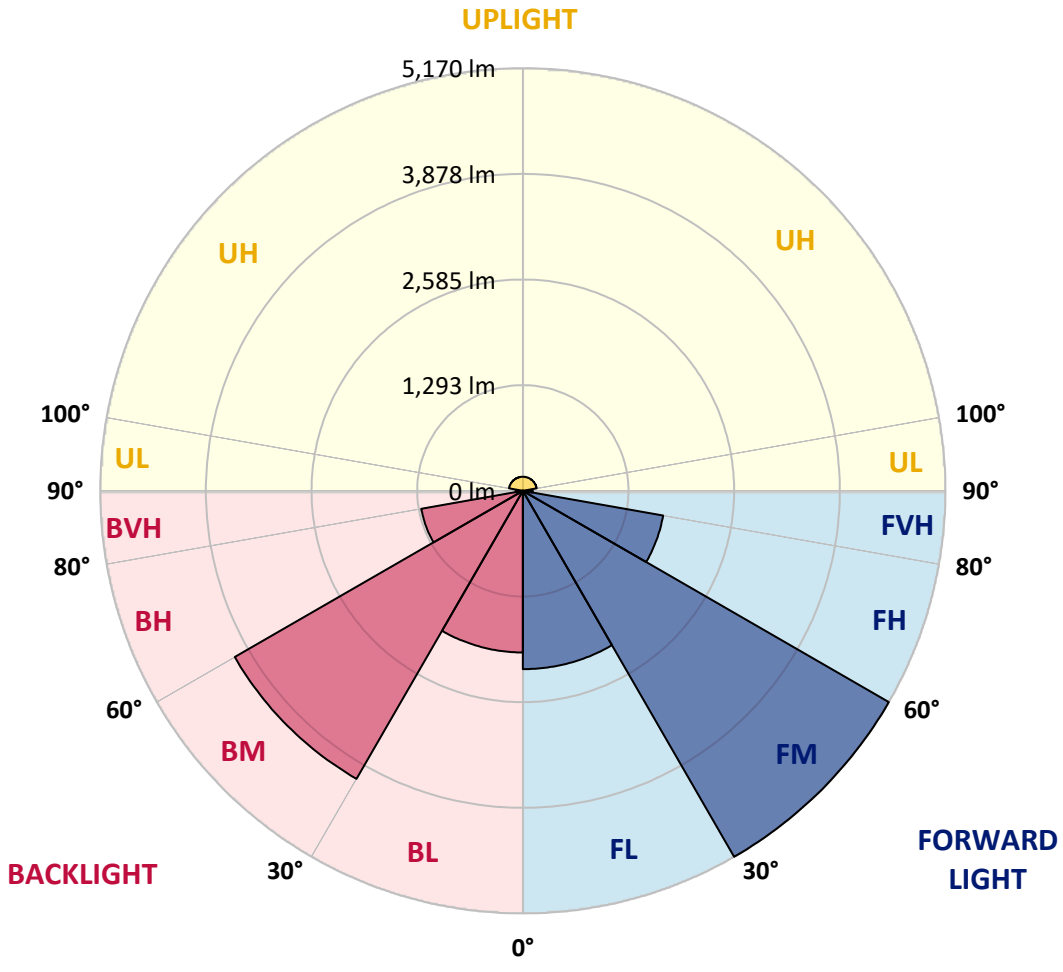
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2181.9	13.0			
FM	(30°-60°)	5170.4	30.8			
FH	(60°-80°)	1742.4	10.4			G1/1800
FVH	(80°-90°)	121.0	0.7			G2/225
BL	(0°-30°)	1977.6	11.8	B3/2500		
BM	(30°-60°)	4069.1	24.2	B3/5000		
BH	(60°-80°)	1261.6	7.5	B3/2500		G3/2500
BVH	(80°-90°)	88.1	0.5			G1/100
UL	(90°-100°)	8.8	0.1		U1/10	
UH	(100°-180°)	172.2	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°	5066.3	5066.3	5066.3	5066.3	5066.3	5066.3	5066.3	5066.3	5066.3	5066.3	5066.3
1°	5091.3	5081.0	5076.9	5068.8	5050.5	5047.5	5048.3	5043.4	5051.4	5059.8	5081.2
2°	5115.1	5102.9	5087.1	5068.4	5038.5	5030.3	5038.3	5037.4	5037.2	5055.2	5091.6
3°	5141.1	5129.2	5095.4	5053.8	5025.5	5017.8	5044.1	5033.0	5026.1	5048.9	5100.0
4°	5162.0	5147.0	5102.8	5048.6	5011.7	5007.1	5061.1	5042.0	5015.8	5040.6	5099.4
5°	5187.1	5166.9	5111.6	5041.5	5007.1	5017.7	5081.1	5056.5	5001.8	5030.6	5102.6
6°	5211.9	5190.1	5114.2	5030.1	4997.3	5037.0	5074.7	5067.0	4999.7	5019.4	5105.4
7°	5234.0	5207.3	5126.0	5027.3	4990.9	5049.5	5049.0	5058.4	5001.3	5004.5	5107.2
8°	5271.2	5226.8	5128.7	5014.9	4993.2	5048.7	5012.2	5031.0	5004.8	4988.6	5109.7
9°	5297.1	5244.9	5129.3	4997.8	4994.2	5022.2	4976.8	4992.7	5018.7	4972.4	5108.0
10°	5323.0	5257.2	5118.1	4974.5	4998.7	4979.3	4950.1	4956.0	5013.3	4955.1	5104.7
11°	5343.0	5274.4	5116.2	4955.8	4989.3	4932.4	4913.7	4923.1	4998.0	4933.9	5103.3
12°	5368.7	5293.2	5115.1	4935.4	4976.8	4902.4	4890.4	4896.9	4960.8	4909.5	5097.6
13°	5395.5	5322.8	5110.5	4909.4	4954.1	4872.5	4870.5	4863.5	4919.2	4875.0	5091.1
14°	5423.5	5339.5	5111.6	4884.9	4916.2	4843.3	4857.1	4837.7	4870.6	4847.2	5083.4
15°	5461.2	5357.8	5104.7	4859.7	4871.5	4813.9	4845.9	4816.4	4825.8	4819.1	5067.7
16°	5489.1	5373.0	5099.8	4833.4	4825.1	4790.9	4834.1	4797.1	4781.8	4795.6	5059.1
17°	5521.3	5395.1	5093.5	4803.9	4780.8	4772.8	4824.1	4774.4	4740.6	4766.9	5048.9
18°	5552.1	5412.7	5083.2	4772.6	4725.8	4754.3	4816.8	4755.6	4701.6	4735.5	5044.1
19°	5581.4	5432.1	5072.1	4741.1	4683.1	4736.4	4809.3	4740.6	4657.6	4703.2	5030.2
20°	5607.1	5449.1	5061.5	4698.4	4639.2	4716.1	4801.7	4728.6	4617.8	4663.8	5015.0
21°	5633.0	5464.8	5039.5	4664.5	4595.3	4690.6	4793.8	4712.2	4575.8	4630.8	4998.5
22°	5655.2	5478.8	5024.5	4629.1	4554.6	4672.4	4781.7	4696.4	4537.5	4600.9	4969.5
23°	5681.6	5499.3	5006.4	4598.9	4512.9	4655.0	4775.7	4679.6	4490.5	4567.2	4948.3
24°	5706.8	5513.2	4989.0	4564.7	4472.6	4638.7	4770.9	4657.8	4454.3	4537.8	4925.6
25°	5743.4	5526.1	4976.6	4530.4	4429.7	4627.1	4764.5	4643.8	4412.5	4509.8	4903.8
26°	5770.3	5538.7	4955.2	4497.8	4388.5	4613.4	4766.4	4627.3	4374.2	4475.8	4876.7
27°	5794.3	5543.2	4932.9	4459.2	4346.0	4595.4	4760.8	4610.0	4332.9	4438.3	4850.2
28°	5821.1	5556.5	4895.5	4423.7	4302.5	4571.8	4755.7	4594.4	4291.0	4396.8	4822.5
29°	5841.4	5569.1	4869.6	4386.0	4247.7	4551.8	4752.0	4577.8	4248.2	4350.8	4791.7
30°	5866.2	5578.9	4843.3	4343.0	4203.0	4532.2	4740.4	4561.0	4194.5	4293.7	4761.3
31°	5890.3	5598.8	4817.3	4288.9	4156.4	4514.7	4731.9	4541.2	4149.8	4215.0	4729.0
32°	5919.2	5612.6	4789.7	4233.6	4109.5	4492.0	4723.8	4525.8	4106.9	4142.0	4697.0
33°	5936.7	5624.7	4761.0	4173.0	4066.0	4474.4	4713.4	4508.7	4063.1	4067.0	4652.1
34°	5952.6	5637.7	4729.7	4100.7	4018.7	4456.0	4697.3	4491.9	4015.2	3992.3	4615.7
35°	5964.0	5646.0	4697.0	4020.5	3972.0	4435.3	4687.2	4463.8	3967.0	3919.5	4577.1
36°	5971.1	5653.2	4657.3	3942.5	3922.7	4415.3	4679.8	4437.8	3916.9	3841.7	4537.3
37°	5975.2	5661.2	4620.1	3863.8	3861.5	4389.5	4682.4	4413.4	3868.4	3764.0	4502.2
38°	5972.4	5662.5	4582.9	3781.9	3808.7	4363.5	4674.3	4395.1	3814.9	3673.8	4461.1
39°	5963.2	5661.1	4545.9	3684.7	3757.0	4344.8	4644.1	4388.1	3762.6	3593.8	4421.0
40°	5947.8	5651.8	4500.1	3603.3	3703.4	4329.7	4603.9	4374.9	3710.1	3514.0	4370.3
41°	5916.2	5641.6	4467.2	3521.9	3644.9	4308.4	4572.1	4342.7	3655.2	3435.1	4329.7
42°	5887.4	5627.9	4433.4	3441.8	3589.5	4278.5	4557.6	4294.6	3589.8	3357.3	4291.7
43°	5854.8	5602.7	4400.8	3357.2	3533.4	4227.5	4527.1	4256.5	3533.0	3269.5	4255.6
44°	5820.3	5574.1	4375.4	3273.9	3474.0	4201.1	4480.9	4237.8	3473.5	3190.6	4218.7

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CATALOG NUMBER: TWC100_T3_100W_5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	5770.2	5540.1	4347.1	3192.7	3407.7	4181.2	4428.6	4205.7	3414.5	3110.2	4187.5
46°	5668.9	5501.6	4321.1	3100.5	3343.3	4151.3	4358.5	4160.3	3362.0	3023.1	4156.2
47°	5583.1	5444.1	4286.5	3015.8	3284.6	4106.3	4271.5	4107.3	3318.1	2938.9	4127.6
48°	5494.3	5368.4	4262.0	2929.4	3236.9	4050.1	4165.0	4054.0	3264.7	2854.8	4097.9
49°	5397.3	5261.1	4236.4	2843.0	3179.0	3995.8	4011.1	3995.2	3178.1	2768.7	4070.6
50°	5286.3	5175.5	4211.2	2755.2	3104.8	3939.8	3846.6	3911.5	3112.9	2669.4	4042.3
51°	5150.4	5091.1	4186.4	2658.2	3030.6	3870.3	3651.6	3812.4	3059.0	2582.3	4013.3
52°	5013.1	4980.2	4159.0	2570.7	2975.1	3767.3	3441.3	3694.7	3000.0	2495.9	3984.6
53°	4869.1	4852.6	4128.6	2481.0	2917.9	3656.6	3202.0	3553.9	2931.5	2406.9	3944.7
54°	4721.7	4692.0	4096.7	2386.1	2854.3	3521.8	3003.3	3386.9	2866.0	2311.2	3910.2
55°	4559.0	4543.8	4064.3	2295.6	2787.0	3348.5	2833.6	3172.8	2798.7	2220.2	3877.1
56°	4413.5	4381.6	4031.8	2203.1	2708.2	3163.1	2697.0	2966.5	2727.2	2127.0	3847.8
57°	4261.8	4199.7	3994.9	2096.6	2635.6	2962.2	2576.8	2766.1	2646.8	2030.4	3809.9
58°	4100.7	4030.8	3941.7	1999.8	2558.7	2757.2	2483.3	2588.4	2565.4	1936.0	3768.4
59°	3905.1	3862.0	3843.8	1904.5	2476.3	2550.8	2400.5	2435.2	2483.0	1829.1	3697.2
60°	3717.3	3691.6	3764.4	1808.7	2382.9	2403.9	2324.7	2322.7	2396.7	1733.0	3602.1
61°	3512.1	3507.2	3681.6	1705.8	2297.7	2289.0	2159.5	2231.7	2295.0	1637.2	3522.8
62°	3284.1	3331.4	3558.1	1614.5	2207.1	2194.8	1956.3	2151.2	2207.2	1534.0	3424.3
63°	3051.3	3155.9	3407.2	1522.9	2107.1	2110.2	1825.7	2063.6	2112.9	1451.3	3289.6
64°	2832.3	2973.1	3224.4	1430.4	2013.3	2033.8	1739.6	1915.7	2004.0	1369.9	3104.1
65°	2666.4	2738.9	3010.9	1335.9	1914.0	1892.4	1649.7	1761.8	1868.9	1279.3	2899.1
66°	2500.8	2507.7	2733.1	1250.3	1800.9	1727.6	1559.1	1671.3	1717.1	1186.7	2656.0
67°	2250.6	2313.6	2453.1	1155.1	1652.9	1648.2	1459.2	1606.2	1542.4	1100.3	2375.0
68°	1969.3	2128.9	2150.3	1060.5	1491.5	1585.7	1351.2	1541.5	1372.9	1012.4	2047.0
69°	1824.6	1853.8	1845.1	959.1	1314.7	1522.2	1251.8	1467.1	1218.1	911.3	1729.8
70°	1738.1	1625.8	1562.6	871.2	1146.3	1442.5	1147.2	1384.5	1117.8	821.7	1424.8
71°	1657.0	1526.6	1367.9	783.7	1031.2	1370.2	1039.1	1312.4	1047.8	736.1	1195.9
72°	1571.1	1452.2	1388.8	692.5	954.3	1301.5	909.6	1236.6	966.0	653.3	1118.1
73°	1478.2	1385.0	1510.3	612.4	881.4	1223.5	789.6	1156.9	883.3	567.2	1313.4
74°	1368.4	1317.9	1185.2	538.1	793.1	1146.5	679.6	1063.0	834.0	493.6	1168.5
75°	1259.6	1246.3	773.6	468.8	743.5	1067.2	581.2	967.0	787.4	426.6	699.6
76°	1151.1	1156.1	645.4	398.4	697.7	976.5	493.3	857.3	736.0	365.1	555.5
77°	1037.1	1069.6	568.4	343.0	643.6	857.1	422.9	748.5	684.8	306.7	487.0
78°	932.1	994.5	566.6	292.8	598.7	749.0	356.8	640.6	640.2	258.0	468.8
79°	824.3	926.6	561.0	248.8	556.1	648.1	274.3	557.4	596.5	214.8	497.2
80°	718.6	852.5	427.3	203.5	515.2	565.2	180.1	482.9	546.3	174.5	367.2
81°	603.1	775.3	297.0	163.2	468.3	482.9	113.3	403.0	498.3	137.9	248.1
82°	498.6	673.5	250.9	126.8	424.7	409.4	89.2	317.2	450.6	103.2	206.0
83°	394.5	550.7	218.7	92.7	378.9	318.2	68.8	197.0	398.9	78.2	178.0
84°	302.4	474.7	187.7	68.5	329.7	190.7	51.0	91.0	338.2	58.3	155.8
85°	206.2	398.5	159.6	49.5	280.3	74.5	40.6	46.6	280.5	40.7	132.6
86°	146.2	294.4	134.8	34.4	219.4	38.5	25.5	31.4	229.0	28.2	108.1
87°	87.0	196.5	97.1	20.4	174.1	23.3	16.1	19.4	162.4	18.4	74.1
88°	30.6	72.5	42.1	10.5	101.3	12.4	11.0	11.9	61.1	10.6	25.9
89°	3.7	4.1	4.0	4.3	26.2	6.1	8.7	8.8	8.7	5.9	6.6

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	2.4	2.9	2.8	2.0	3.4	4.0	8.9	8.8	8.2	5.4	6.6
91°	2.4	3.2	3.1	2.4	3.7	4.3	9.7	9.6	8.9	5.9	7.4
92°	2.9	3.7	3.3	2.7	4.2	4.6	10.6	10.2	9.7	6.5	7.8
93°	3.3	3.8	3.7	3.1	4.5	5.4	11.4	11.4	10.5	7.0	8.3
94°	3.3	4.3	4.1	3.2	5.0	5.5	12.5	12.1	11.2	7.5	8.8
95°	3.8	4.7	4.5	3.4	5.7	6.0	13.4	13.1	12.1	8.2	9.6
96°	4.1	5.0	4.9	4.0	6.3	6.6	14.3	14.0	12.9	8.8	10.0
97°	4.7	5.6	5.4	4.1	6.6	7.4	15.6	14.9	13.9	9.7	10.8
98°	5.1	6.0	5.5	4.7	7.7	8.0	16.5	16.1	14.8	10.3	11.4
99°	5.4	6.6	6.3	5.1	8.3	8.6	17.7	17.4	16.0	10.8	12.0
100°	6.0	7.1	6.6	5.6	8.9	9.3	18.9	18.4	16.6	11.7	12.8
101°	6.8	7.5	7.1	6.3	9.4	10.1	19.9	19.4	17.7	12.3	13.3
102°	7.3	8.2	7.7	6.6	10.5	11.0	21.2	20.8	18.8	13.1	14.2
103°	7.8	8.9	8.2	7.4	11.0	11.6	22.6	21.7	19.9	13.9	14.8
104°	8.4	9.7	8.7	7.8	11.6	12.5	23.3	23.1	20.9	15.1	15.8
105°	9.2	10.0	9.3	8.4	12.5	13.4	24.8	24.4	21.7	15.6	16.6
106°	9.8	10.8	10.0	9.2	13.4	14.3	25.9	25.6	22.8	16.6	17.4
107°	10.6	11.5	10.7	9.8	14.0	15.3	27.4	26.9	24.0	17.5	18.2
108°	11.2	12.3	11.2	10.6	14.9	16.3	28.7	28.2	24.8	18.5	18.9
109°	12.1	13.0	12.0	11.2	16.1	17.5	30.0	29.5	26.2	19.1	19.6
110°	12.8	13.8	12.5	12.0	16.8	18.5	31.1	30.6	27.0	20.2	20.5
111°	13.8	14.4	13.0	12.6	17.7	19.5	32.9	32.3	27.9	21.1	21.4
112°	14.4	15.2	13.8	13.3	18.5	20.7	34.2	33.4	28.8	21.9	22.5
113°	15.3	16.2	14.4	14.2	19.3	22.1	35.2	34.6	29.9	23.1	22.7
114°	16.2	17.0	15.1	15.1	20.0	23.0	36.6	35.8	31.0	23.7	23.7
115°	17.1	17.9	16.0	15.8	20.9	24.0	37.8	36.7	31.6	24.8	24.6
116°	18.0	18.6	16.6	16.7	21.9	25.6	39.2	38.1	32.5	25.6	25.1
117°	19.1	19.6	17.1	17.2	22.6	26.3	40.2	39.2	33.7	26.5	26.0
118°	20.0	20.3	18.0	18.1	23.5	27.4	41.5	40.1	33.9	27.6	26.8
119°	20.8	21.3	18.8	18.9	24.2	28.6	42.6	41.2	35.0	28.7	27.7
120°	21.9	22.3	19.5	19.6	25.3	29.6	43.6	42.2	35.8	29.3	28.3
121°	22.7	23.0	20.0	20.7	26.0	31.0	44.6	43.1	36.5	30.2	29.2
122°	23.9	24.0	20.9	21.4	26.8	31.6	45.5	44.1	37.4	31.0	29.9
123°	24.8	24.5	21.9	22.1	27.7	32.8	46.4	44.6	38.4	31.9	30.7
124°	25.6	25.4	22.3	23.1	28.6	33.8	47.5	45.8	39.2	32.7	31.5
125°	26.5	26.2	23.2	23.9	29.5	34.4	48.4	46.3	39.8	33.7	32.3
126°	27.4	27.2	23.9	24.8	30.4	35.6	49.1	46.9	40.2	34.3	33.0
127°	28.4	27.8	24.8	25.4	31.0	36.5	49.6	47.5	41.1	34.7	33.7
128°	29.2	28.4	25.5	26.3	32.3	37.4	50.3	48.4	41.7	35.5	34.1
129°	30.4	29.5	26.2	27.2	33.0	38.4	50.9	49.0	42.6	36.5	35.0
130°	31.0	30.1	26.8	27.7	33.9	39.3	51.3	49.5	43.1	37.0	35.7
131°	31.6	30.9	27.6	28.6	34.7	39.7	52.1	50.0	43.9	37.6	36.5
132°	32.5	31.4	28.3	29.6	35.5	40.8	52.6	50.5	44.4	38.1	36.7
133°	33.3	32.4	29.0	30.1	36.4	41.5	52.9	50.9	45.2	39.0	37.6
134°	33.9	32.8	29.7	30.9	37.4	42.4	53.5	51.4	45.5	39.4	38.3

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

Scaled Data Report

REPORT NUMBER: P1449829
CATALOG NUMBER: TWC100_T3_100W_5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	34.4	33.3	30.4	31.4	38.1	42.9	54.0	51.9	46.2	40.3	38.7
136°	35.2	33.9	31.0	32.3	39.0	43.9	54.2	52.3	46.6	40.9	39.4
137°	36.0	34.7	31.9	33.0	39.8	44.6	54.6	52.6	47.3	41.3	40.2
138°	36.6	35.3	32.4	33.8	40.6	45.3	54.9	52.9	47.6	41.8	40.4
139°	37.1	36.4	33.3	34.4	41.3	46.1	55.0	53.1	48.2	42.4	41.2
140°	37.9	36.7	33.8	35.1	42.0	46.6	55.6	53.3	48.5	43.1	41.8
141°	38.4	37.1	34.6	35.6	42.7	47.6	55.6	53.6	49.0	43.6	42.0
142°	39.3	37.8	35.1	36.1	43.4	47.7	55.8	54.0	49.1	44.0	42.6
143°	39.3	38.4	35.8	36.7	44.0	48.6	55.6	54.1	49.5	44.8	43.2
144°	40.2	39.0	36.5	37.6	44.5	49.2	55.6	54.2	50.0	45.0	43.6
145°	40.7	39.4	37.4	38.3	44.8	49.8	55.8	54.3	50.3	45.5	44.1
146°	41.3	39.9	37.8	38.8	45.5	50.4	55.8	54.5	50.5	46.1	44.6
147°	41.6	40.6	38.5	39.4	45.9	50.8	55.8	54.6	50.9	46.6	45.2
148°	42.2	41.1	39.2	40.1	46.3	51.4	55.6	54.7	50.9	47.1	45.7
149°	43.0	41.7	39.3	40.6	46.8	51.5	55.9	54.9	51.3	47.5	46.3
150°	43.4	42.2	40.1	41.2	47.3	51.9	56.0	54.9	51.4	48.1	46.4
151°	44.0	42.7	40.8	41.8	47.6	52.3	55.9	55.2	51.8	48.2	46.8
152°	44.5	43.2	41.5	42.5	48.0	52.7	55.9	55.1	52.1	48.7	47.5
153°	44.8	43.8	42.1	42.7	48.2	52.9	55.9	55.1	52.2	49.2	47.8
154°	45.5	44.1	42.6	43.4	48.7	53.3	55.8	54.9	52.6	49.5	48.0
155°	45.9	44.8	43.0	43.9	49.1	53.3	55.5	55.0	52.6	49.8	48.6
156°	46.2	44.8	43.6	44.6	49.2	53.3	55.2	54.9	52.8	50.1	49.0
157°	46.3	45.0	43.9	44.8	49.8	53.7	55.1	54.9	52.7	50.4	49.2
158°	46.8	45.5	44.3	45.4	49.8	53.8	54.9	55.0	52.9	50.6	49.5
159°	47.1	46.1	44.9	45.7	50.4	54.0	54.9	54.7	52.9	50.9	49.9
160°	47.2	46.3	45.4	46.4	50.6	54.0	54.6	54.7	52.9	51.2	49.8
161°	47.6	46.6	45.9	46.9	51.0	54.3	54.5	54.6	53.1	51.4	50.3
162°	48.0	47.2	46.3	47.7	51.4	54.3	54.3	54.5	53.1	51.7	50.8
163°	48.1	47.5	46.7	48.0	51.5	54.6	54.0	54.5	53.2	52.1	50.9
164°	48.5	47.5	47.1	48.2	51.8	54.7	54.0	54.2	53.3	52.1	50.9
165°	48.5	47.7	47.5	48.6	52.1	54.6	53.7	54.2	53.3	52.1	51.3
166°	49.0	48.4	47.8	49.0	52.3	54.7	53.7	54.2	53.3	52.4	51.7
167°	49.1	48.6	48.2	49.5	52.4	55.0	53.5	54.1	53.3	52.6	51.8
168°	49.5	49.0	48.7	50.0	52.7	54.9	53.5	54.0	53.6	52.9	52.2
169°	49.9	49.1	49.2	50.3	52.7	54.6	53.6	53.8	53.6	52.9	52.2
170°	50.1	49.5	49.6	50.6	52.9	55.0	53.6	53.7	53.8	53.2	52.6
171°	50.4	49.8	50.0	51.2	53.3	55.1	53.5	53.7	53.8	53.5	52.6
172°	51.0	50.1	50.4	51.4	53.3	54.7	53.6	53.7	53.5	53.5	52.7
173°	50.9	50.5	50.9	51.8	53.6	54.7	53.7	53.6	53.5	53.7	53.2
174°	51.3	50.9	50.9	52.2	53.8	54.6	54.0	53.6	53.5	53.7	53.5
175°	51.9	51.2	51.5	52.6	53.8	55.0	54.0	53.6	53.5	53.8	53.5
176°	52.3	51.4	51.8	52.8	53.8	54.6	53.7	53.3	53.5	53.8	53.7
177°	52.4	52.1	52.1	52.9	53.8	54.7	53.6	53.3	53.5	53.7	53.8
178°	53.1	52.1	52.4	53.2	54.0	54.6	53.7	53.1	53.2	53.8	54.0
179°	52.8	52.4	52.6	53.6	54.1	54.5	53.5	53.1	53.1	53.7	54.2

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

Scaled Data Report

REPORT NUMBER: P1449829
CATALOG NUMBER: TWC100_T3_100W_5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	*53.5*	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5

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

Scaled Data Report

REPORT NUMBER: P1449829
CATALOG NUMBER: TWC100_T3_100W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	5066.3	5066.3
1°	5087.2	5091.3
2°	5107.8	5115.1
3°	5127.8	5141.1
4°	5146.7	5162.0
5°	5161.0	5187.1
6°	5179.2	5211.9
7°	5195.7	5234.0
8°	5223.1	5271.2
9°	5241.5	5297.1
10°	5258.0	5323.0
11°	5276.3	5343.0
12°	5284.9	5368.7
13°	5300.4	5395.5
14°	5317.7	5423.5
15°	5344.1	5461.2
16°	5361.7	5489.1
17°	5378.4	5521.3
18°	5396.0	5552.1
19°	5410.0	5581.4
20°	5426.5	5607.1
21°	5439.1	5633.0
22°	5449.3	5655.2
23°	5460.5	5681.6
24°	5471.6	5706.8
25°	5483.0	5743.4
26°	5504.2	5770.3
27°	5515.1	5794.3
28°	5525.7	5821.1
29°	5533.3	5841.4
30°	5534.9	5866.2
31°	5545.5	5890.3
32°	5554.7	5919.2
33°	5575.4	5936.7
34°	5584.7	5952.6
35°	5592.3	5964.0
36°	5597.8	5971.1
37°	*5596.7*	*5975.2*
38°	5597.8	5972.4
39°	5592.3	5963.2
40°	5581.1	5947.8
41°	5558.1	5916.2
42°	5539.3	5887.4
43°	5509.7	5854.8
44°	5478.8	5820.3

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

Scaled Data Report

REPORT NUMBER: P1449829
CATALOG NUMBER: TWC100_T3_100W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	5444.8	5770.2
46°	5403.1	5668.9
47°	5351.7	5583.1
48°	5262.4	5494.3
49°	5142.6	5397.3
50°	5060.7	5286.3
51°	4966.2	5150.4
52°	4849.1	5013.1
53°	4709.1	4869.1
54°	4563.7	4721.7
55°	4406.4	4559.0
56°	4239.6	4413.5
57°	4053.7	4261.8
58°	3882.3	4100.7
59°	3710.8	3905.1
60°	3516.4	3717.3
61°	3343.1	3512.1
62°	3171.8	3284.1
63°	2999.3	3051.3
64°	2803.6	2832.3
65°	2584.7	2666.4
66°	2363.4	2500.8
67°	2192.8	2250.6
68°	1973.0	1969.3
69°	1687.7	1824.6
70°	1522.6	1738.1
71°	1443.7	1657.0
72°	1372.2	1571.1
73°	1304.3	1478.2
74°	1235.5	1368.4
75°	1162.2	1259.6
76°	1067.2	1151.1
77°	985.8	1037.1
78°	916.9	932.1
79°	851.6	824.3
80°	775.8	718.6
81°	698.2	603.1
82°	589.3	498.6
83°	490.3	394.5
84°	417.2	302.4
85°	319.5	206.2
86°	242.0	146.2
87°	137.1	87.0
88°	10.3	30.6
89°	6.8	3.7

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

Scaled Data Report

REPORT NUMBER: P1449829
CATALOG NUMBER: TWC100_T3_100W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	7.4	2.4
91°	7.7	2.4
92°	8.3	2.9
93°	8.9	3.3
94°	9.7	3.3
95°	10.5	3.8
96°	11.1	4.1
97°	12.0	4.7
98°	12.6	5.1
99°	13.5	5.4
100°	14.4	6.0
101°	15.3	6.8
102°	16.2	7.3
103°	17.0	7.8
104°	17.7	8.4
105°	18.8	9.2
106°	19.8	9.8
107°	20.7	10.6
108°	21.4	11.2
109°	22.1	12.1
110°	23.2	12.8
111°	24.0	13.8
112°	25.3	14.4
113°	26.0	15.3
114°	26.9	16.2
115°	27.8	17.1
116°	28.7	18.0
117°	29.9	19.1
118°	30.6	20.0
119°	31.4	20.8
120°	32.3	21.9
121°	33.0	22.7
122°	34.1	23.9
123°	34.3	24.8
124°	35.3	25.6
125°	36.0	26.5
126°	36.7	27.4
127°	37.1	28.4
128°	37.8	29.2
129°	38.1	30.4
130°	38.9	31.0
131°	39.4	31.6
132°	39.8	32.5
133°	40.3	33.3
134°	40.9	33.9

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

Scaled Data Report

REPORT NUMBER: P1449829
CATALOG NUMBER: TWC100_T3_100W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	41.7	34.4
136°	42.0	35.2
137°	42.4	36.0
138°	42.7	36.6
139°	43.2	37.1
140°	43.6	37.9
141°	44.0	38.4
142°	44.5	39.3
143°	45.0	39.3
144°	45.2	40.2
145°	45.4	40.7
146°	45.8	41.3
147°	45.9	41.6
148°	46.7	42.2
149°	47.1	43.0
150°	47.1	43.4
151°	47.3	44.0
152°	47.7	44.5
153°	47.8	44.8
154°	48.0	45.5
155°	48.2	45.9
156°	48.5	46.2
157°	48.7	46.3
158°	48.9	46.8
159°	49.2	47.1
160°	49.5	47.2
161°	49.9	47.6
162°	49.8	48.0
163°	50.0	48.1
164°	50.3	48.5
165°	50.4	48.5
166°	50.9	49.0
167°	51.0	49.1
168°	51.4	49.5
169°	51.4	49.9
170°	51.8	50.1
171°	52.3	50.4
172°	52.3	51.0
173°	52.7	50.9
174°	52.8	51.3
175°	53.3	51.9
176°	53.5	52.3
177°	53.7	52.4
178°	53.8	53.1
179°	54.1	52.8

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

Scaled Data Report

REPORT NUMBER: P1449829
CATALOG NUMBER: TWC100_T3_100W_5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	53.5	53.5

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

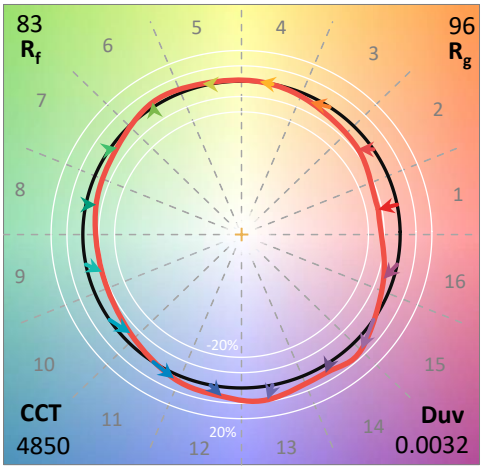
Test Information

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

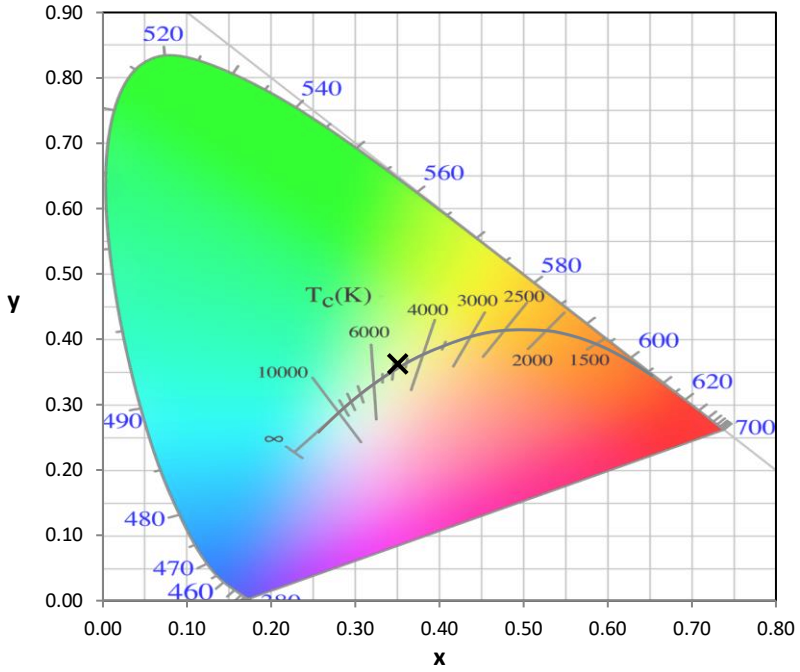
Stabilization Time:	25M
Operation Time:	1H 25M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2601-659-3

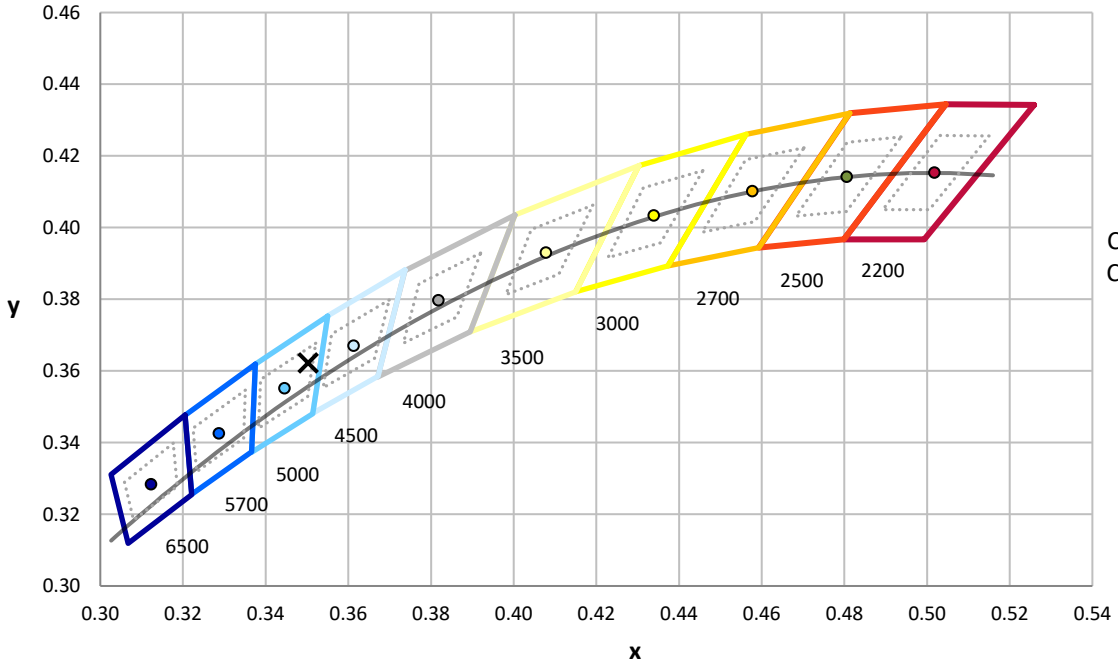
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

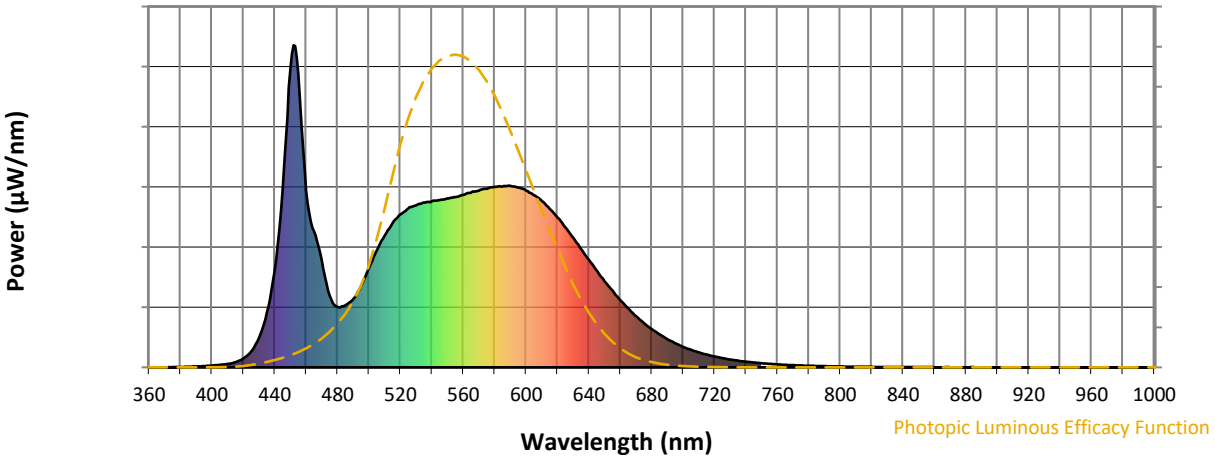


CCT = 4850K
CIE x = 0.3503
CIE y = 0.3623
Duv = 0.0032

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2601-659-3

Photopic Flux vs. Wavelength

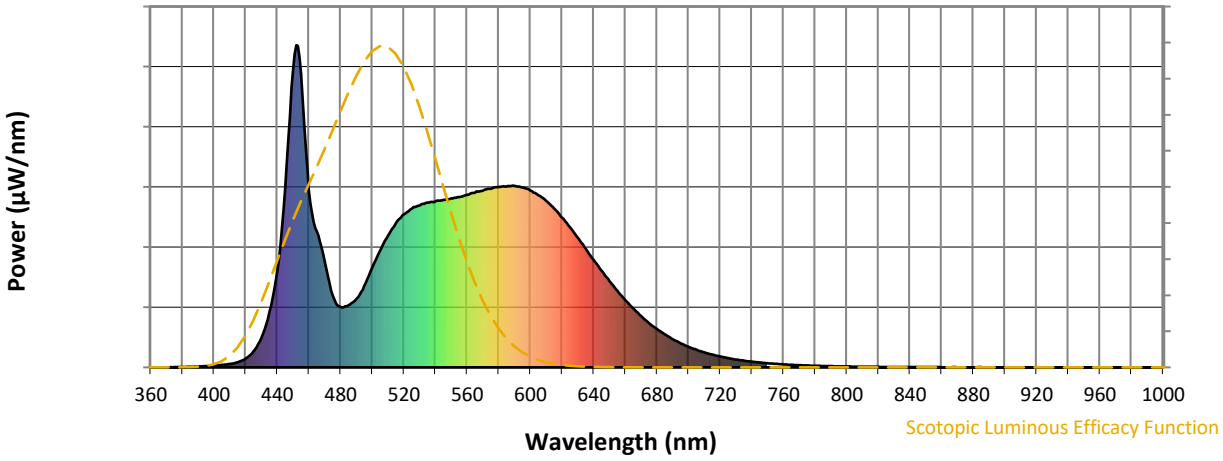


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2601-659-3

Scotopic Flux vs. Wavelength

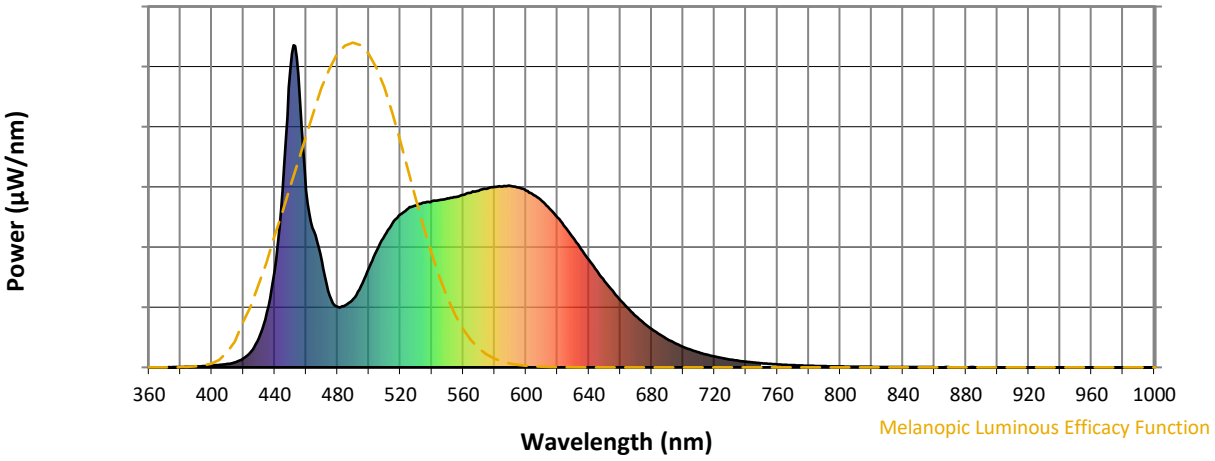


Scotopic Lumens: NR **S/P: 1.9**

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			

REPORT NUMBER: SP1-2601-659-3

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			

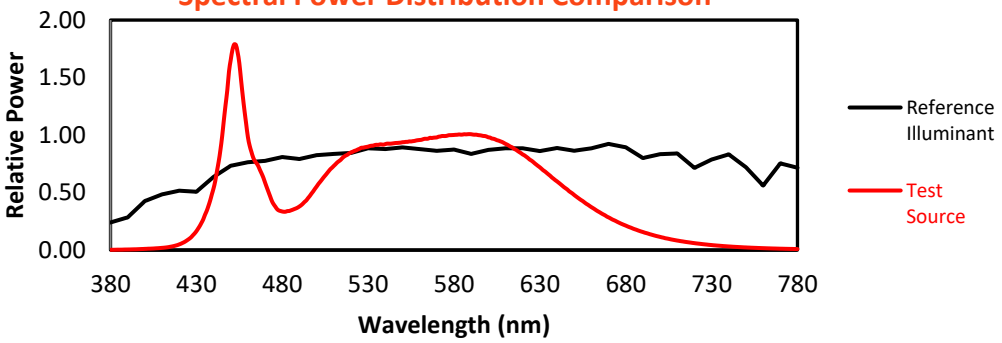
REPORT NUMBER: SP1-2601-659-3

TM-30-18

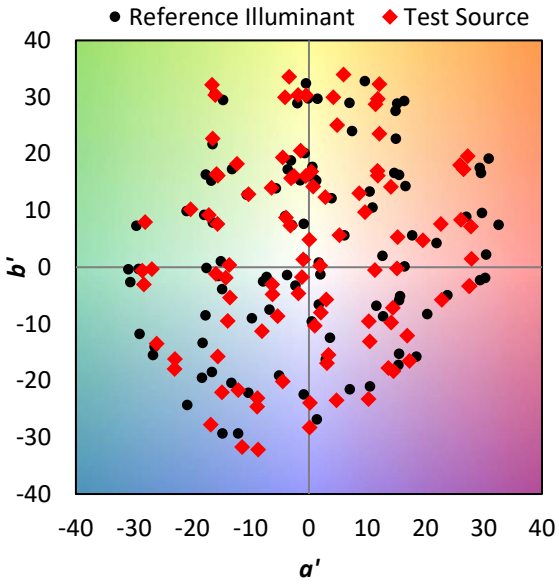
Summary

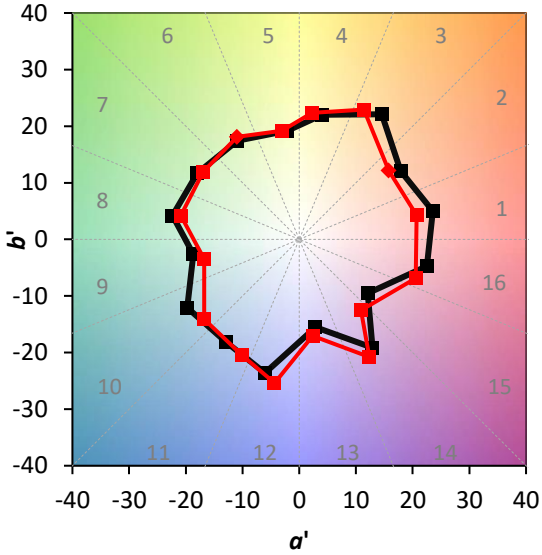
R_f = 83.1
R_g = 95.8
CIE R_a = 82.6
R_9 = 8.5

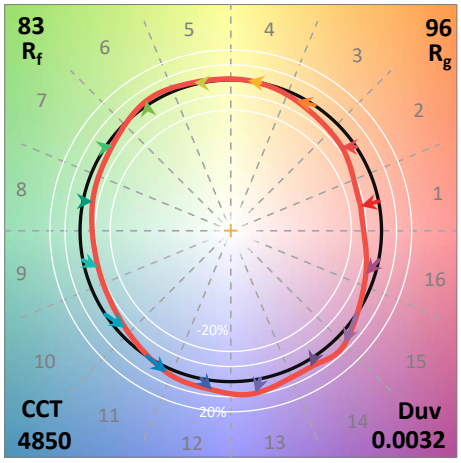
Spectral Power Distribution Comparison

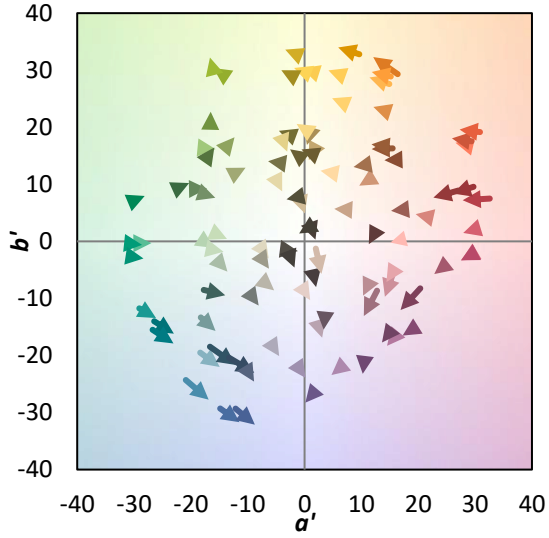


Color Vector Graphics







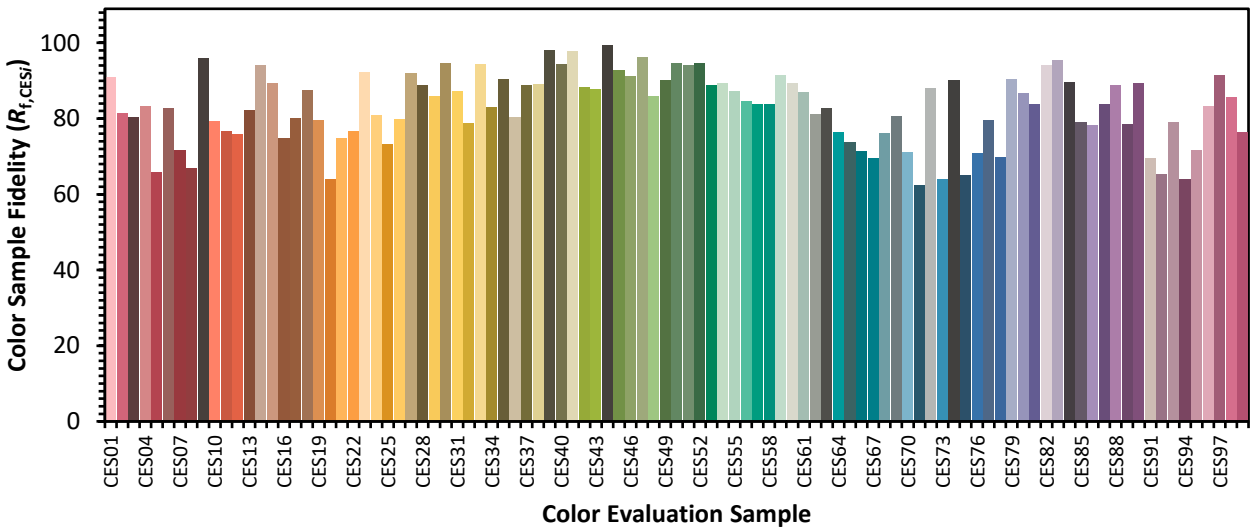


REPORT NUMBER: SP1-2601-659-3

TM-30-18

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

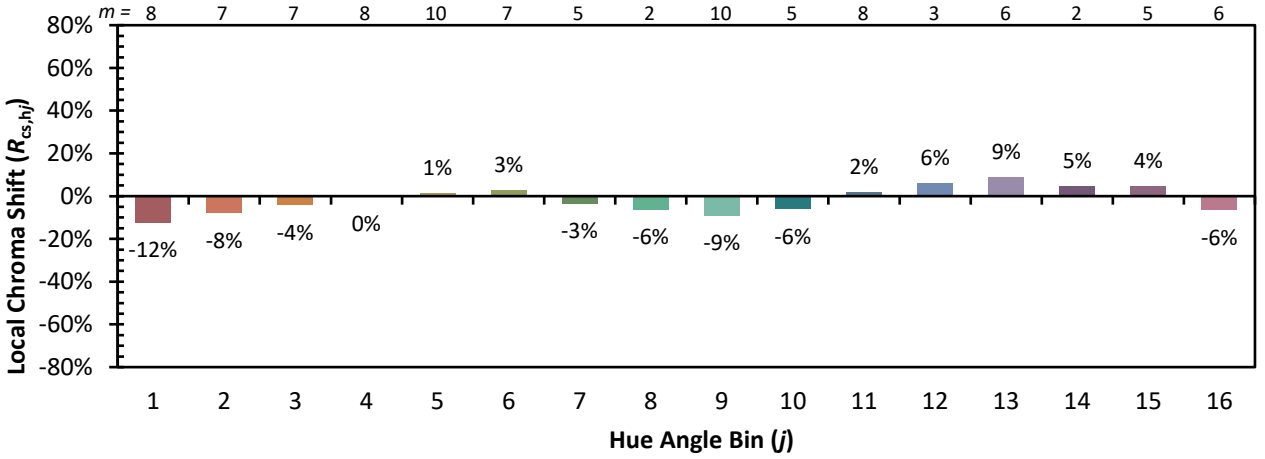
CES01 = 85	CES26 = 80	CES51 = 94	CES76 = 71
CES02 = 60	CES27 = 92	CES52 = 95	CES77 = 80
CES03 = 30	CES28 = 89	CES53 = 89	CES78 = 70
CES04 = 69	CES29 = 86	CES54 = 89	CES79 = 90
CES05 = 47	CES30 = 95	CES55 = 87	CES80 = 87
CES06 = 50	CES31 = 87	CES56 = 85	CES81 = 84
CES07 = 40	CES32 = 79	CES57 = 84	CES82 = 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	

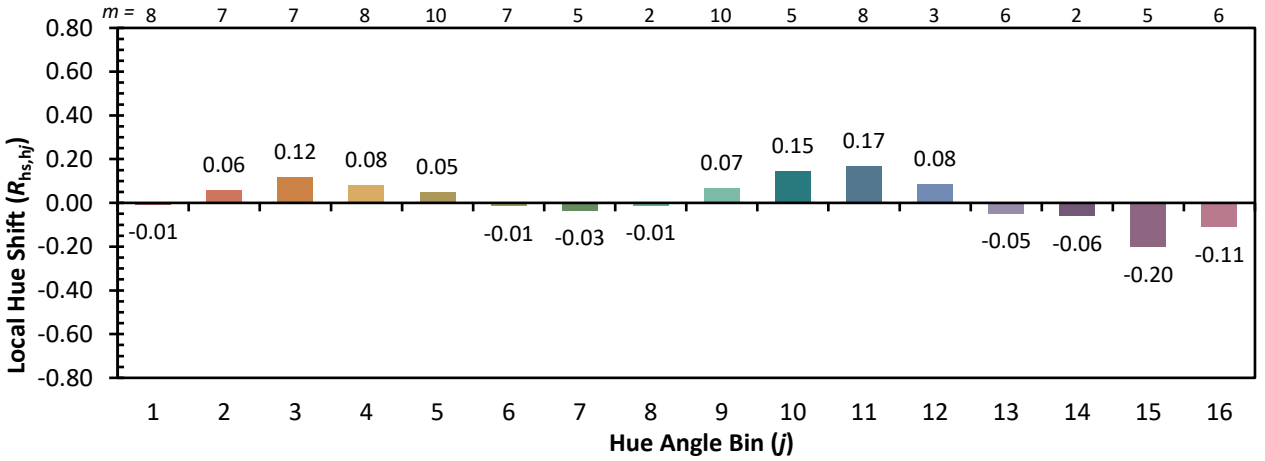


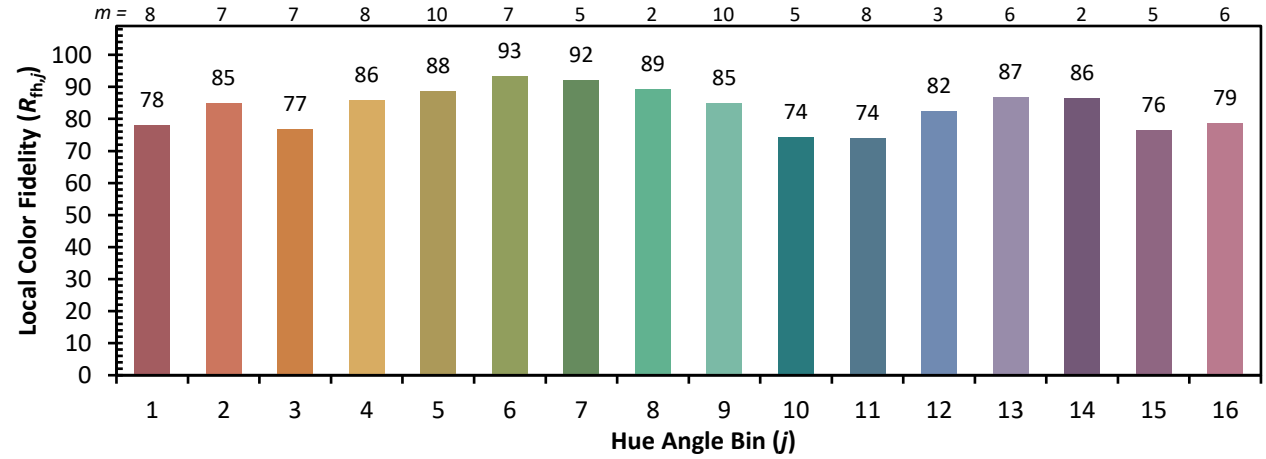
REPORT NUMBER: SP1-2601-659-3

TM-30-18

Color Rendition by Hue-Angle Bin



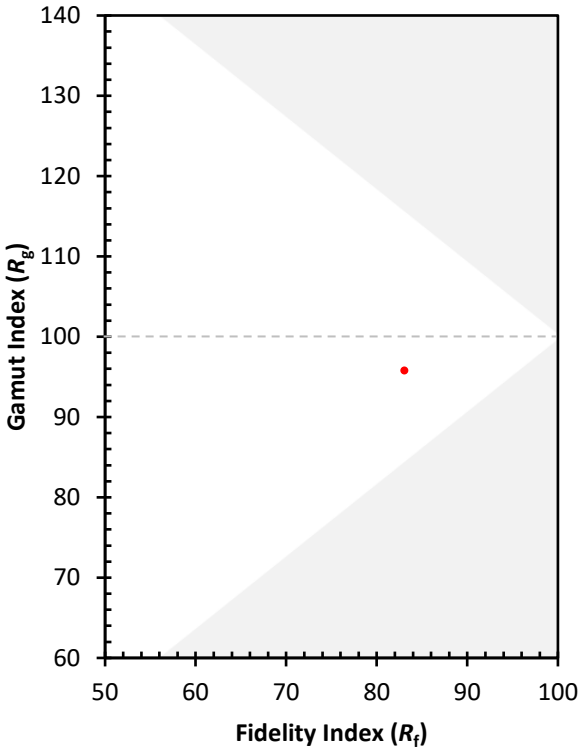


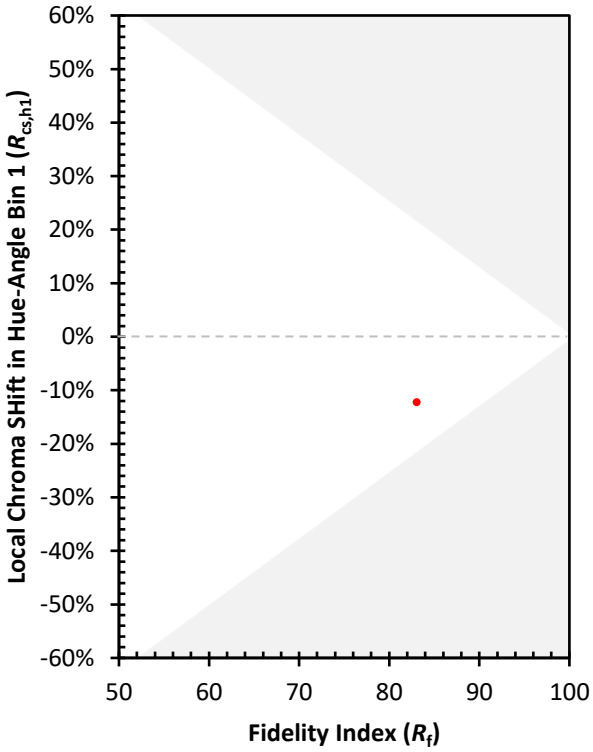


REPORT NUMBER: SP1-2601-659-3

TM-30-18

Measure Comparisons





(END OF REPORT)