

Signify Classified - Internal
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: P979151

Luminaire Tested: **WPMLED26S-80W-5000K**

Issue Date: 03/31/2025



Test Information

Test Method: LM-79-08
Report Number: P979151
Test Lab: Cooper Lighting Solutions
Issue Date: 03/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: WPMLD26S-80W-5000K
Description: LUMARK WALL PACK LED MEDIUM 80CRI CCT AND LUMEN SELECTIVE FIXTURE
OPERATING @80W-5000K
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

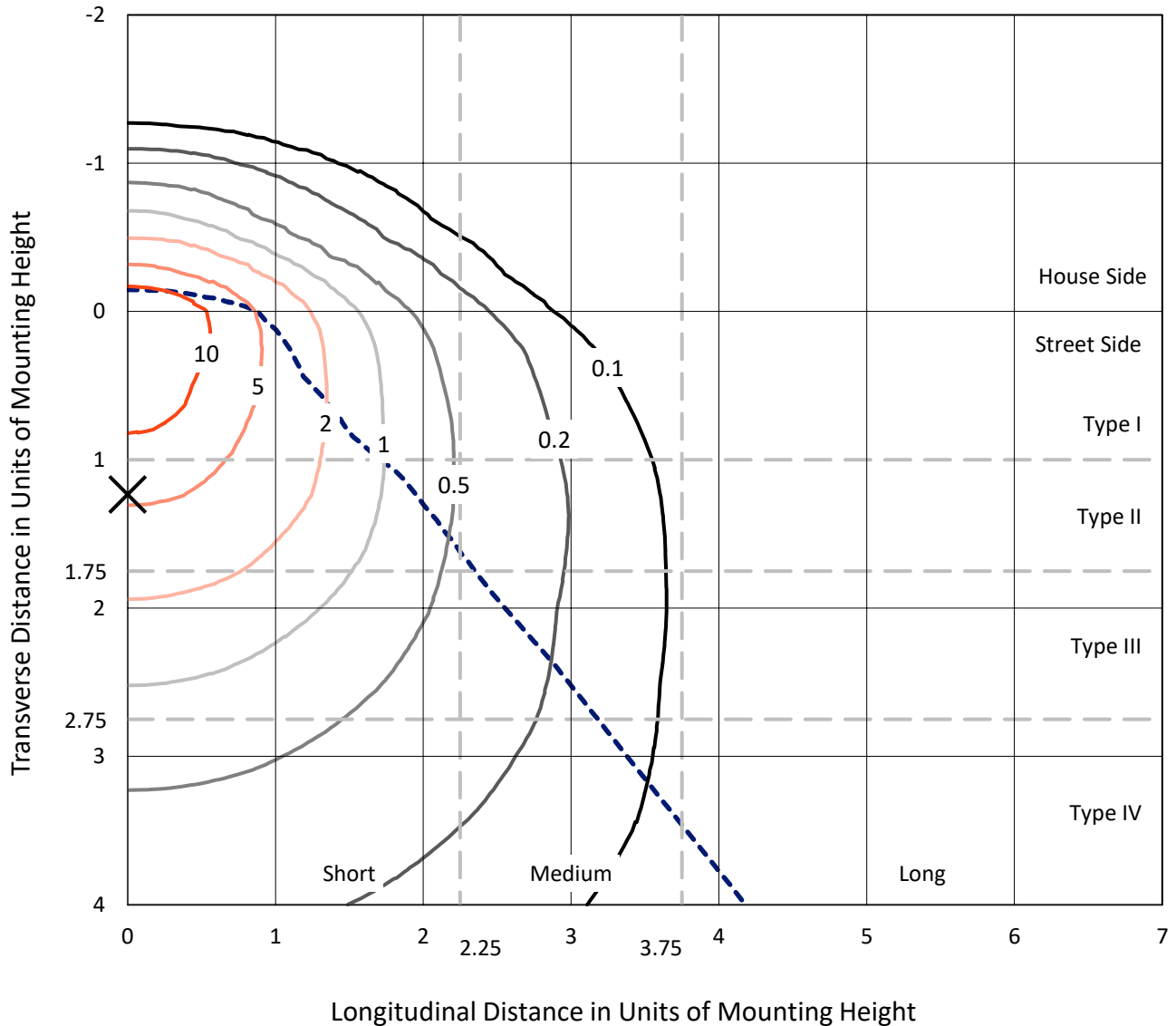
Lumens per Lamp: N/A
Luminaire Lumens: 12931.1 lumens
Efficiency: N/A
Efficacy: 156.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.86' x L: 0.17' x H: 0.58')
IES Classification: Type IV - Short
BUG Rating: B2 - U4 - G5

Input Watts (W): 82.8
Input Voltage (V): 120
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: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

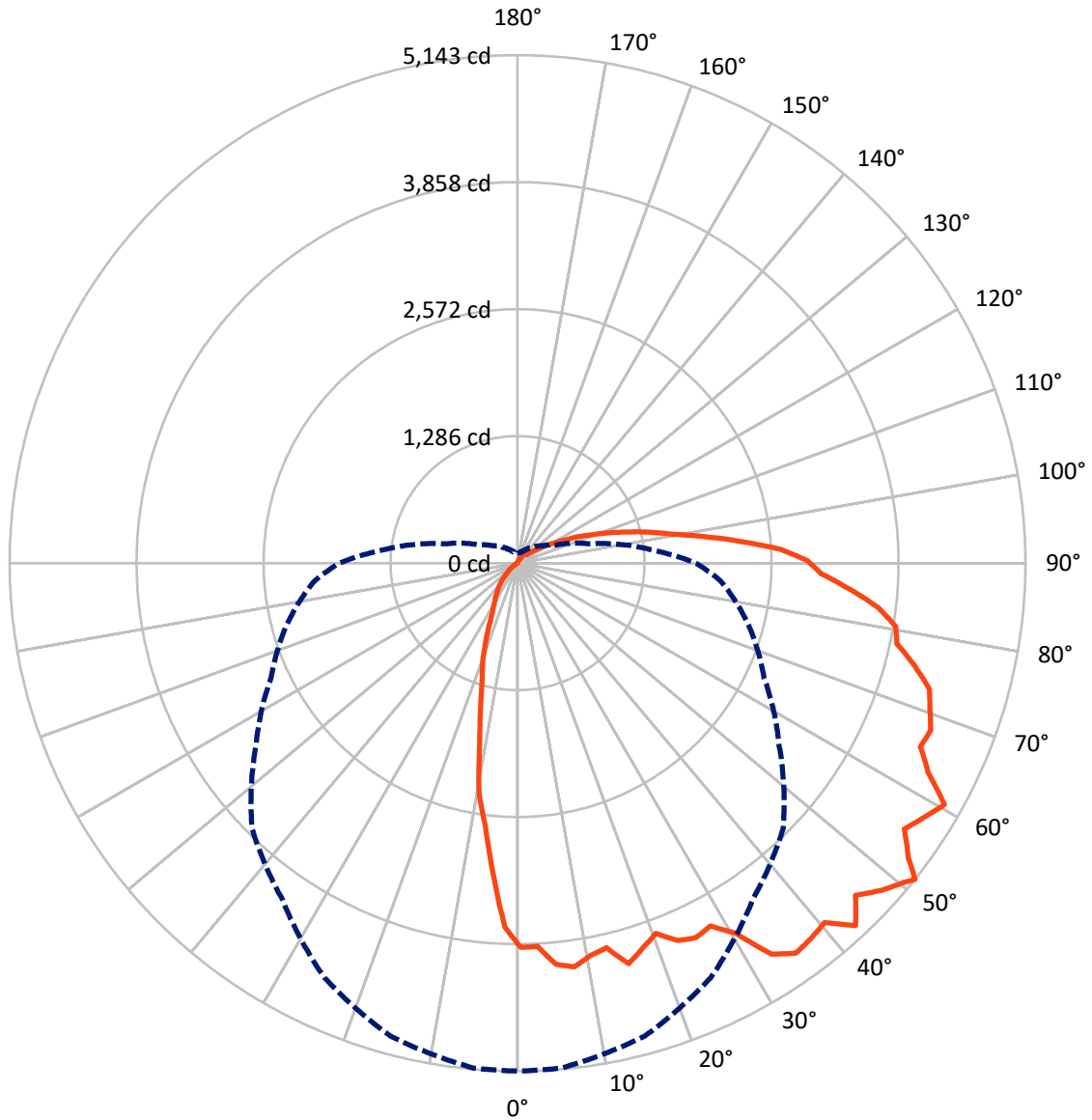
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 17.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 51-Deg Vertical

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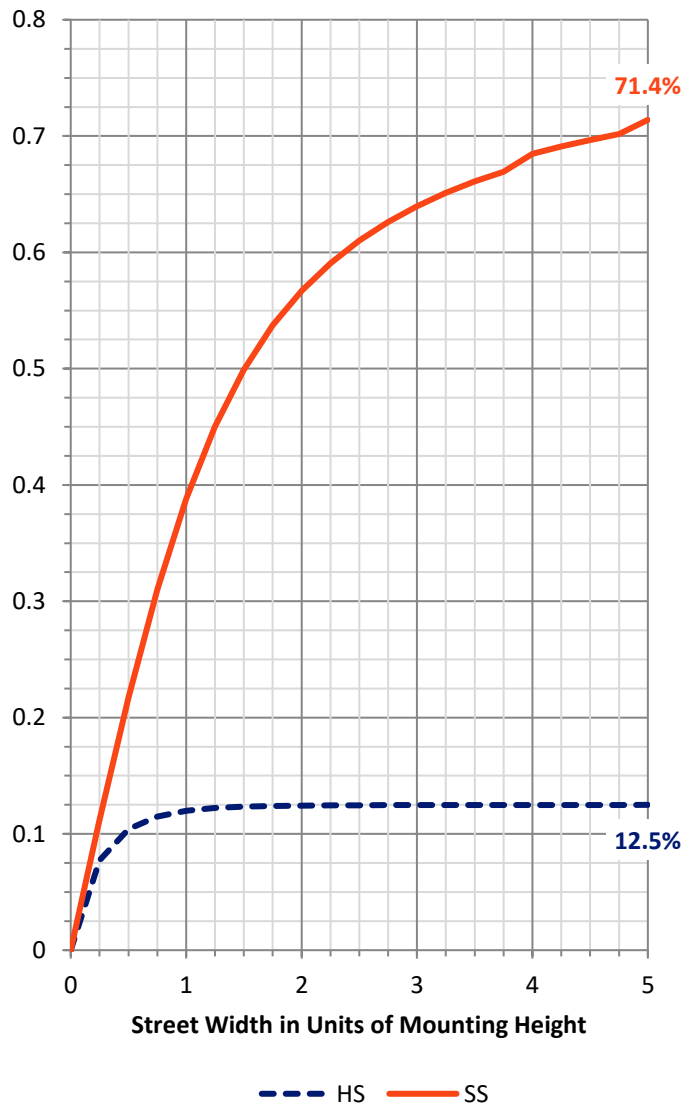
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1633.4	16.9	1650.3
	% Fixture	12.6	0.1	12.8
Street Side	Lumens	10024.0	1256.8	11280.8
	% Fixture	77.5	9.7	87.2
Total	Lumens	11657.4	1273.7	12931.1
	% Fixture	90.2	9.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.4	2.7
10°-20°	889.7	6.9
20°-30°	1237.8	9.6
30°-40°	1521.4	11.8
40°-50°	1698.1	13.1
50°-60°	1740.1	13.5
60°-70°	1659.9	12.8
70°-80°	1455.3	11.3
80°-90°	1106.7	8.6
90°-100°	671.9	5.2
100°-110°	328.8	2.5
110°-120°	150.4	1.2
120°-130°	65.8	0.5
130°-140°	33.7	0.3
140°-150°	16.6	0.1
150°-160°	5.2	0.0
160°-170°	1.1	0.0
170°-180°	0.2	0.0
0°-90°	11657.4	90.2
0°-180°	12931.1	100.0

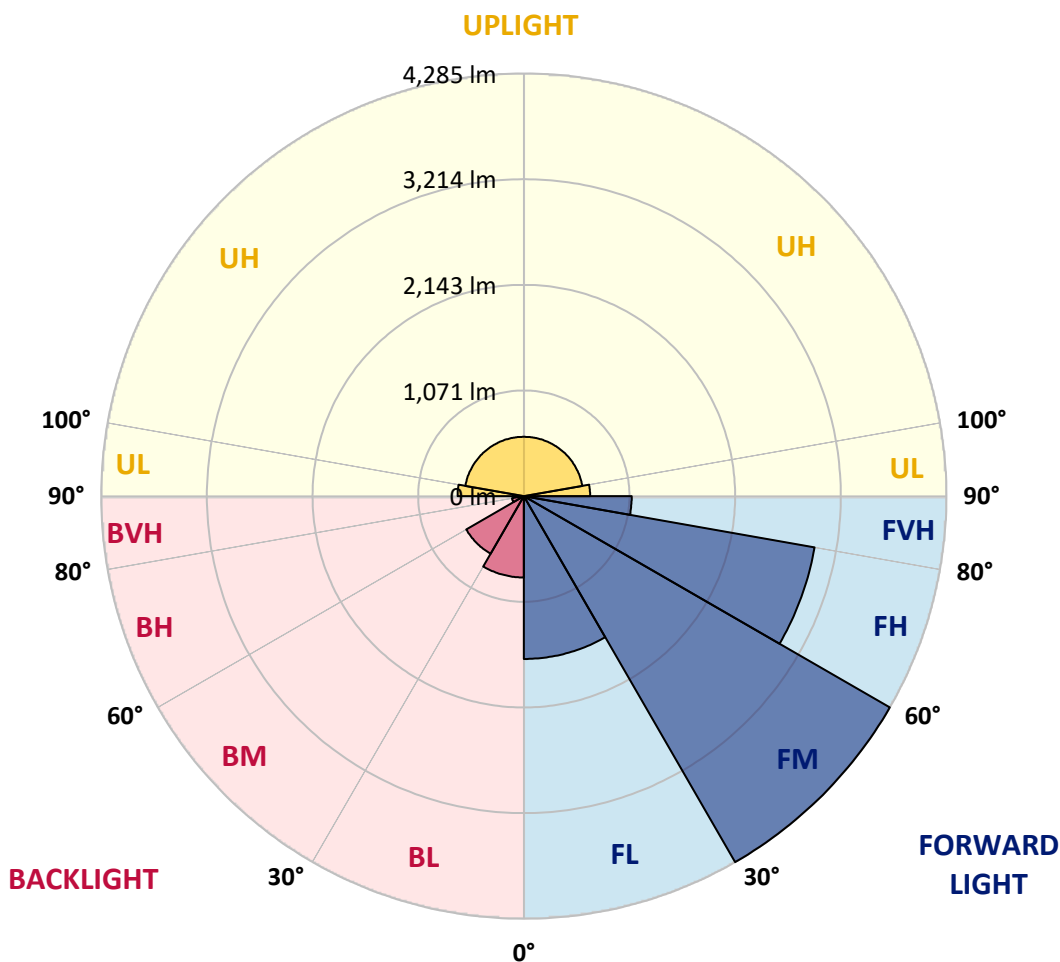


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1651.2	12.8			
FM (30°-60°)	4285.3	33.1			
FH (60°-80°)	2993.8	23.2			G2/5000
FVH (80°-90°)	1093.6	8.5			G5
BL (0°-30°)	824.7	6.4	B2/1000		
BM (30°-60°)	674.3	5.2	B1/1000		
BH (60°-80°)	121.3	0.9	B1/500		G1/500
BVH (80°-90°)	13.1	0.1			G1/100
UL (90°-100°)	671.9	5.2		U4/1000	
UH (100°-180°)	601.8	4.7		U4/1000	

BUG Rating: B2-U4-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7
2.5°	3887.2	3885.4	3882.7	3887.2	3893.3	3913.7	3948.1	3952.5	3912.8	3888.0	3886.3
5°	4082.4	4082.4	4072.7	4070.9	4023.2	3960.5	3897.8	3873.9	3936.6	3882.7	3878.3
7.5°	4128.3	4129.2	4128.3	4141.6	4132.8	4078.9	4032.9	3897.8	3879.2	3885.4	3867.7
10°	4041.8	4041.8	4040.9	4070.9	4129.2	4102.7	4097.4	4007.3	3841.2	3881.0	3851.8
12.5°	3996.7	3974.6	3943.7	3904.8	3971.1	4055.0	4083.3	4027.6	3861.5	3853.6	3813.8
15°	4210.5	4197.3	4167.2	4076.2	3934.9	3901.3	4034.7	4031.2	3886.3	3797.9	3761.7
17.5°	4100.1	4112.4	4144.2	4195.5	4128.3	3916.3	3888.9	3960.5	3867.7	3725.5	3691.9
20°	4002.0	3997.6	3971.1	4009.1	4129.2	4065.6	3752.9	3872.1	3798.8	3639.8	3602.7
22.5°	4151.3	4143.4	4027.6	3965.8	3949.9	4062.1	3858.9	3732.6	3733.4	3548.8	3517.0
25°	4200.8	4198.1	4242.3	4193.7	3924.3	3887.2	3920.7	3578.8	3667.2	3445.4	3417.2
27.5°	4160.1	4151.3	4110.7	4141.6	4136.3	3791.8	3834.2	3519.6	3570.9	3342.1	3303.2
30°	4349.2	4334.2	4282.1	4123.9	4025.0	3810.3	3677.8	3566.5	3459.6	3251.1	3193.7
32.5°	4721.1	4708.8	4599.2	4252.9	3983.5	3923.4	3574.4	3593.9	3354.4	3164.5	3077.0
35°	4851.9	4839.5	4698.2	4542.7	4085.9	3776.7	3553.2	3495.8	3228.1	3060.3	2953.4
37.5°	4824.5	4813.0	4730.9	4591.3	4294.4	3774.1	3650.4	3335.9	3101.8	2953.4	2808.5
40°	4785.6	4770.6	4707.0	4550.6	4260.0	3856.2	3475.5	3233.4	3004.6	2826.1	2652.1
42.5°	5018.0	5027.7	4955.2	4554.2	4204.3	3917.2	3418.1	3168.9	2926.9	2675.1	2463.9
45°	4798.9	4798.9	4862.5	4692.9	4241.4	3797.9	3420.7	3146.8	2844.7	2505.5	2272.2
47.5°	4951.7	4949.1	4851.9	4576.3	4317.4	3763.5	3455.2	2994.0	2702.5	2323.5	2077.9
50°	5079.8	5042.7	4889.9	4626.6	4187.5	3787.3	3296.1	2818.2	2505.5	2140.6	1880.9
51°	5143.4	5131.9	4960.5	4630.1	4154.8	3802.4	3235.2	2754.6	2421.5	2062.8	1805.8
52.5°	4954.4	4968.5	5000.3	4689.3	4183.1	3743.2	3176.0	2706.9	2310.2	1963.9	1709.5
55°	4752.1	4738.8	4750.3	4681.4	4256.4	3654.8	3155.7	2627.4	2165.3	1823.4	1563.7
57.5°	4855.4	4839.5	4707.9	4492.3	4289.1	3690.2	3081.5	2486.0	2049.6	1688.3	1420.6
60°	4966.7	4966.7	4885.5	4442.0	4126.6	3729.9	2932.2	2302.3	1912.7	1554.9	1267.7
62.5°	4665.5	4651.3	4616.0	4513.5	4034.7	3635.4	2866.8	2232.5	1763.4	1416.2	1127.3
65°	4483.5	4474.7	4409.3	4229.9	4007.3	3477.2	2808.5	2189.2	1674.1	1275.7	986.8
67.5°	4511.8	4515.3	4412.8	4139.8	3792.6	3388.9	2659.2	2040.8	1583.1	1147.6	844.6
70°	4430.5	4431.4	4332.4	4078.0	3706.9	3202.5	2507.2	1947.1	1421.5	1021.3	690.0
72.5°	4360.7	4358.0	4275.9	4002.0	3661.9	3104.4	2331.4	1885.3	1307.5	854.3	540.7
75°	4153.1	4146.0	4066.5	3850.1	3509.0	2991.3	2192.7	1670.6	1212.1	694.4	407.3
77.5°	3927.8	3938.4	3843.9	3631.0	3318.2	2816.4	2036.3	1475.4	1068.1	541.6	299.5
80°	3881.0	3880.1	3773.2	3494.0	3177.8	2662.7	1878.2	1314.6	926.7	402.9	212.0
82.5°	3678.7	3674.3	3578.8	3364.2	2986.9	2480.7	1709.5	1165.3	733.3	289.8	148.4
85°	3374.8	3402.2	3312.0	3074.4	2752.8	2254.6	1544.3	1008.0	585.7	205.8	99.8
87.5°	3076.2	3075.3	2959.5	2752.8	2490.4	2046.9	1357.9	851.6	457.6	141.4	66.3
90°	2933.9	2929.5	2823.5	2557.6	2238.7	1756.3	1156.4	710.3	348.1	95.4	48.6
92.5°	2665.4	2649.5	2519.6	2265.2	1941.8	1496.6	972.7	575.1	267.7	71.6	41.5
95°	2276.6	2282.8	2201.5	1995.7	1686.5	1277.5	807.5	466.5	211.1	59.2	41.5
97.5°	1915.3	1906.5	1811.1	1631.7	1419.7	1073.4	675.0	369.3	171.4	55.7	42.4
100°	1600.8	1596.4	1509.8	1357.0	1152.0	879.9	544.2	298.6	142.2	55.7	44.2
102.5°	1384.4	1372.9	1306.6	1168.8	963.0	688.2	438.2	247.4	120.1	57.4	45.9
105°	1182.9	1179.4	1127.3	1006.2	809.2	578.7	359.6	206.7	105.1	59.2	46.8
107.5°	993.9	993.9	947.1	836.6	675.8	493.8	306.6	174.9	95.4	59.2	46.8



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 CATALOG NUMBER: WPMLD26S-80W-5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	828.7	825.1	775.7	682.0	546.9	402.0	256.2	149.3	89.2	58.3	45.9
112.5°	696.2	690.9	645.8	565.4	450.6	324.2	213.8	130.8	85.7	57.4	45.1
115°	555.7	546.0	514.2	449.7	358.7	267.7	180.2	114.0	81.3	55.7	44.2
117.5°	447.9	446.1	422.3	360.4	289.8	220.0	152.8	100.7	76.9	52.1	41.5
120°	375.5	372.8	347.2	296.8	240.3	183.8	131.6	91.9	71.6	47.7	37.1
122.5°	300.4	295.1	277.4	240.3	198.8	157.3	115.7	83.0	65.4	43.3	33.6
125°	242.1	239.4	222.6	194.4	166.1	136.9	103.4	76.0	59.2	38.0	29.2
127.5°	194.4	190.8	179.3	162.6	143.1	120.1	92.8	69.8	52.1	33.6	25.6
130°	156.4	156.4	149.3	141.4	127.2	107.8	84.8	64.5	45.9	30.0	23.0
132.5°	132.5	131.6	131.6	128.1	116.6	98.1	77.7	60.1	41.5	26.5	20.3
135°	121.0	120.1	123.7	121.0	107.8	88.3	69.8	54.8	36.2	23.0	17.7
137.5°	126.3	125.4	123.7	114.0	97.2	78.6	62.7	48.6	30.9	19.4	15.0
140°	125.4	123.7	116.6	102.5	84.8	68.9	55.7	41.5	25.6	16.8	12.4
142.5°	110.4	109.5	100.7	87.5	72.4	59.2	48.6	35.3	21.2	13.3	10.6
145°	91.0	89.2	82.2	72.4	60.1	50.4	42.4	28.3	16.8	10.6	8.0
147.5°	68.9	68.9	64.5	58.3	50.4	43.3	35.3	22.1	13.3	8.8	7.1
150°	55.7	55.7	52.1	47.7	42.4	37.1	27.4	17.7	9.7	7.1	6.2
152.5°	45.1	45.1	42.4	38.9	35.3	28.3	20.3	12.4	8.0	6.2	5.3
155°	36.2	35.3	33.6	30.9	28.3	22.1	15.0	8.8	6.2	5.3	4.4
157.5°	27.4	28.3	26.5	23.9	20.3	15.0	9.7	7.1	5.3	4.4	3.5
160°	21.2	21.2	19.4	17.7	14.1	9.7	7.1	5.3	4.4	3.5	3.5
162.5°	15.0	15.0	14.1	11.5	8.8	7.1	6.2	4.4	4.4	3.5	3.5
165°	9.7	9.7	8.8	7.1	6.2	5.3	4.4	4.4	3.5	3.5	3.5
167.5°	6.2	5.3	5.3	5.3	4.4	4.4	4.4	4.4	4.4	3.5	3.5
170°	2.7	2.7	2.7	3.5	3.5	3.5	4.4	4.4	3.5	3.5	2.7
172.5°	0.0	0.9	1.8	2.7	3.5	3.5	4.4	4.4	3.5	3.5	2.7
175°	0.0	0.9	1.8	2.7	3.5	3.5	4.4	4.4	3.5	3.5	2.7
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7	3890.7
2.5°	3900.4	3919.0	3904.8	3848.3	3802.4	3734.3	3714.0	3684.0	3690.2	3685.7
5°	3904.8	3866.0	3733.4	3616.8	3494.9	3327.1	3252.0	3204.3	3147.7	3150.4
7.5°	3900.4	3747.6	3548.8	3268.8	3062.0	2910.1	2777.6	2698.0	2668.9	2674.2
10°	3869.5	3619.5	3276.7	2955.1	2721.9	2578.8	2486.9	2397.7	2354.4	2364.1
12.5°	3801.5	3462.2	3009.9	2676.8	2489.6	2285.5	2070.8	1906.5	1854.4	1834.9
15°	3703.4	3260.8	2777.6	2477.2	2185.6	1839.3	1660.0	1546.9	1503.6	1486.0
17.5°	3577.1	3062.0	2570.8	2222.8	1802.2	1538.1	1376.4	1278.3	1233.3	1220.9
20°	3456.0	2842.0	2378.2	1908.2	1513.3	1290.7	1150.2	1084.0	1056.6	1054.0
22.5°	3321.8	2647.7	2167.1	1610.5	1290.7	1101.7	993.9	912.6	875.5	863.1
25°	3185.7	2472.8	1926.8	1384.4	1107.0	954.1	832.2	737.7	692.6	687.3
27.5°	3032.9	2294.3	1675.9	1190.9	961.2	793.3	667.0	602.5	569.8	562.8
30°	2876.5	2126.5	1444.4	1039.8	822.5	655.5	561.0	508.9	485.9	481.5
32.5°	2729.8	1957.7	1262.4	905.5	694.4	556.6	481.5	446.1	424.9	424.9
35°	2569.9	1756.3	1103.4	786.3	583.1	475.3	423.2	391.4	371.0	368.4
37.5°	2398.6	1569.9	961.2	667.0	500.0	417.0	371.0	341.9	329.5	325.1
40°	2221.0	1381.7	826.9	571.6	434.7	367.5	326.9	296.0	280.1	280.9
42.5°	2026.6	1211.2	717.4	487.7	381.6	322.5	280.9	247.4	232.3	232.3
45°	1832.3	1046.9	626.4	417.9	331.3	276.5	233.2	200.5	185.5	184.6
47.5°	1650.3	911.7	534.5	364.9	289.8	233.2	188.2	159.0	145.8	144.9
50°	1470.9	791.6	458.5	321.6	247.4	191.7	150.2	125.4	114.0	114.0
51°	1408.2	750.9	432.0	306.6	232.3	174.9	136.1	112.2	103.4	102.5
52.5°	1323.4	682.0	394.0	285.4	209.4	154.6	117.5	95.4	87.5	85.7
55°	1175.9	584.8	345.4	247.4	173.2	123.7	90.1	73.3	62.7	61.8
57.5°	1039.8	504.4	309.2	213.8	143.1	94.5	65.4	50.4	42.4	41.5
60°	898.5	432.0	275.6	182.0	114.8	70.7	45.1	31.8	26.5	25.6
62.5°	764.2	367.5	243.8	152.8	89.2	50.4	25.6	15.0	14.1	14.1
65°	648.4	318.0	212.9	127.2	66.3	30.9	8.0	3.5	2.7	0.9
67.5°	531.0	273.9	182.9	102.5	45.9	13.3	0.0	0.0	0.0	0.0
70°	424.1	235.0	154.6	81.3	29.2	2.7	0.0	0.0	0.0	0.0
72.5°	330.4	197.0	129.9	61.0	15.9	0.0	0.0	0.0	0.0	0.0
75°	253.5	164.3	106.0	45.1	4.4	0.0	0.0	0.0	0.0	0.0
77.5°	194.4	134.3	85.7	30.9	1.8	0.0	0.0	0.0	0.0	0.0
80°	144.9	107.8	66.3	21.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	107.8	85.7	50.4	15.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	79.5	68.0	39.8	10.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	57.4	54.8	31.8	8.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	46.8	45.1	25.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	40.6	38.0	21.2	4.4	0.0	0.0	0.0	0.0	0.0	0.0
95°	38.0	32.7	17.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	37.1	29.2	15.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0
100°	37.1	26.5	12.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	37.1	23.9	10.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
105°	38.0	22.1	9.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	37.1	20.3	8.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P979151
 CATALOG NUMBER: WPMLD26S-80W-5000K

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	36.2	18.6	6.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	35.3	17.7	5.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0
115°	33.6	15.9	4.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	31.8	14.1	4.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
120°	28.3	12.4	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	24.7	10.6	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0
125°	22.1	9.7	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	19.4	8.0	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	17.7	7.1	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	15.0	7.1	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
135°	13.3	6.2	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	11.5	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	9.7	4.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	8.0	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	7.1	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	6.2	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	5.3	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	4.4	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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: SP1-2407-168-4

Test Date: 08/08/2024

Luminaire Tested: LSDL-92S-100W 5000k

Data in this report applies to families of products including LSDL-92S-100W 5000k.

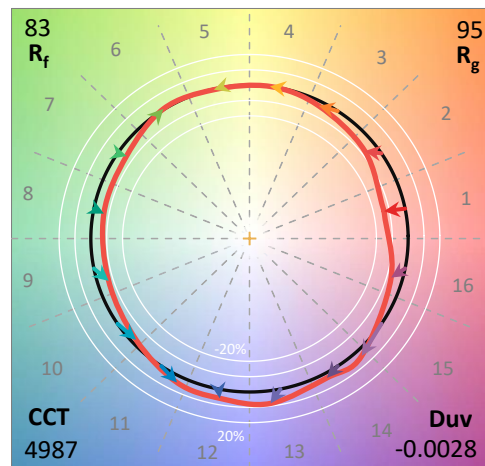
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-168-4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/12/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Lumark
 Catalog Number: **LSDL-92S-100W 5000k**
 Description: Lumark Wallpack 100W

Spectral Parameters

CCT (K): 4987
 CIE u': 0.2135
 CIE v': 0.4819
 Duv: -0.0028
 CIE x: 0.3449
 CIE y: 0.3461
 CIE z: 0.3090
 Peak Wavelength (nm): 453
 Dominant Wavelength (nm): 576
 Purity: 7.317109
 Rf: 82.9
 Rg: 94.6

CRI (Ra):	83.4		
R1:	82.5	R9:	6.6
R2:	92.4	R10:	80.3
R3:	94.5	R11:	78.9
R4:	79.9	R12:	59.3
R5:	82.3	R13:	85.9
R6:	86.3	R14:	97.8
R7:	84.5	R15:	77.3
R8:	64.7		



Test Conditions

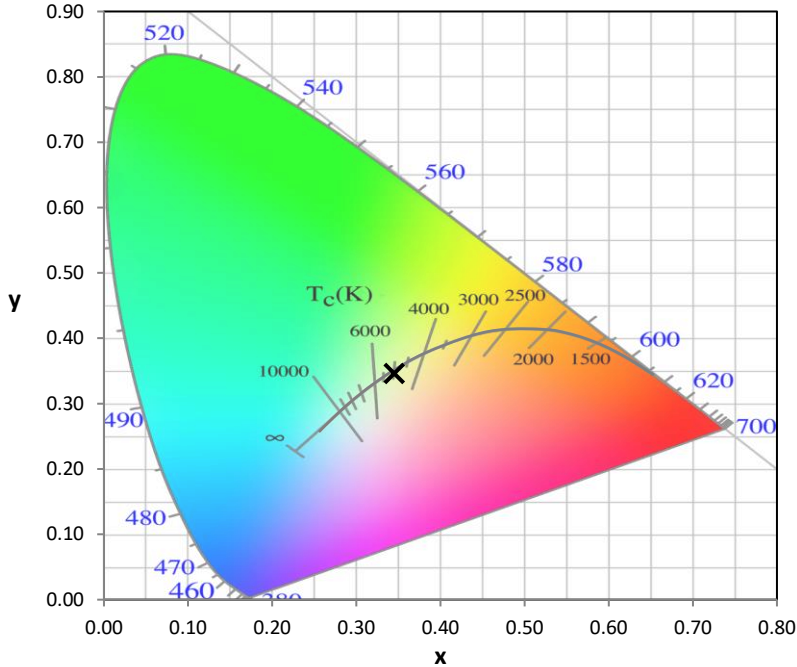
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2407-168-4

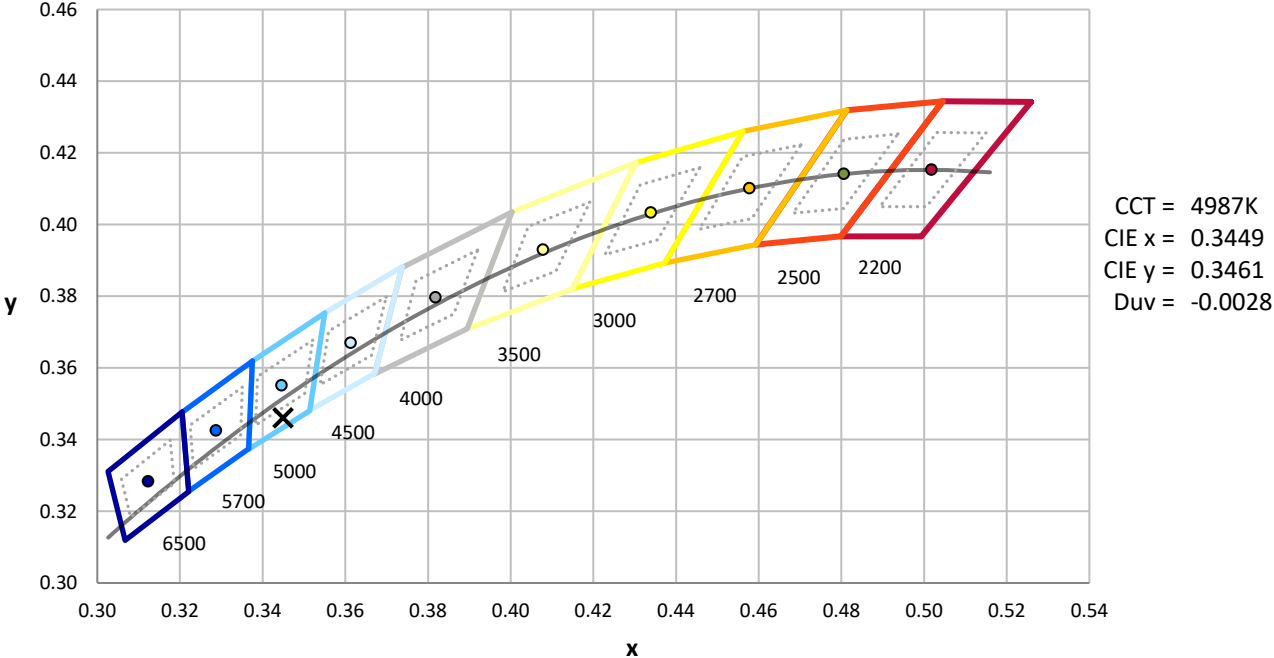
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



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

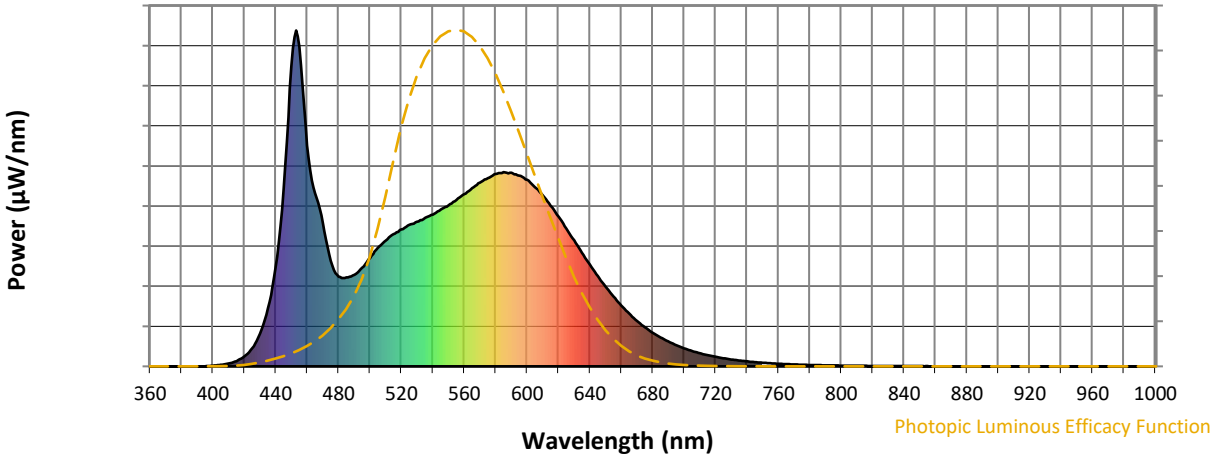


CCT = 4987K
 CIE x = 0.3449
 CIE y = 0.3461
 Duv = -0.0028

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-168-4

Photopic Flux vs. Wavelength

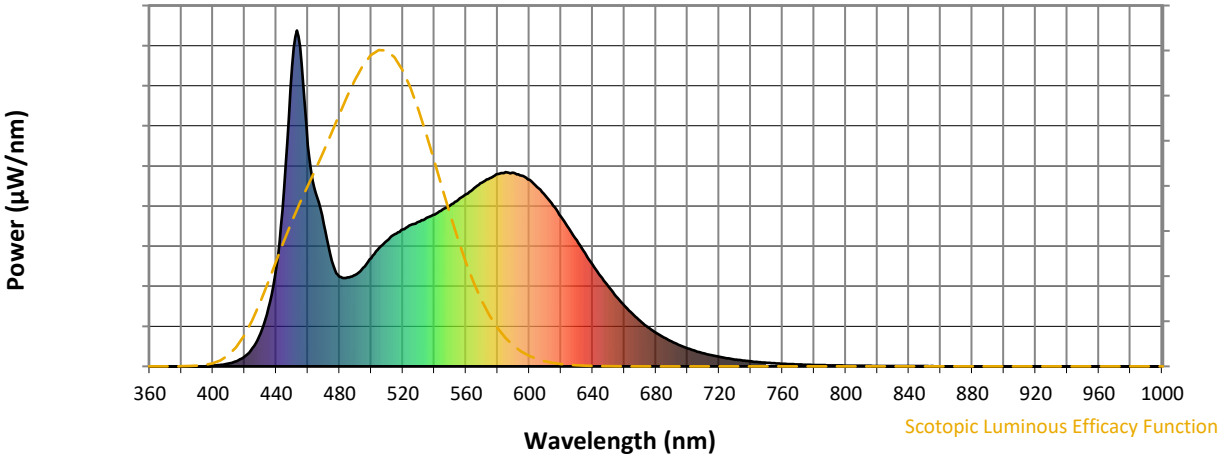


Photopic Lumens: NR

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	273	NR	620	446	NR	750	11	NR	880	0	NR
365	0	NR	495	294	NR	625	410	NR	755	9	NR	885	0	NR
370	0	NR	500	322	NR	630	376	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	338	NR	765	7	NR	895	0	NR
380	0	NR	510	374	NR	640	303	NR	770	6	NR	900	0	NR
385	0	NR	515	393	NR	645	269	NR	775	5	NR	905	0	NR
390	0	NR	520	408	NR	650	237	NR	780	4	NR	910	0	NR
395	0	NR	525	421	NR	655	208	NR	785	4	NR	915	0	NR
400	2	NR	530	430	NR	660	181	NR	790	3	NR	920	0	NR
405	5	NR	535	442	NR	665	157	NR	795	3	NR	925	0	NR
410	9	NR	540	451	NR	670	135	NR	800	2	NR	930	0	NR
415	16	NR	545	467	NR	675	116	NR	805	2	NR	935	0	NR
420	29	NR	550	480	NR	680	100	NR	810	2	NR	940	0	NR
425	54	NR	555	495	NR	685	86	NR	815	2	NR	945	0	NR
430	98	NR	560	513	NR	690	74	NR	820	1	NR	950	0	NR
435	174	NR	565	530	NR	695	63	NR	825	1	NR	955	0	NR
440	296	NR	570	546	NR	700	54	NR	830	1	NR	960	0	NR
445	529	NR	575	561	NR	705	46	NR	835	1	NR	965	0	NR
450	894	NR	580	572	NR	710	39	NR	840	1	NR	970	0	NR
455	952	NR	585	578	NR	715	33	NR	845	1	NR	975	0	NR
460	658	NR	590	576	NR	720	28	NR	850	1	NR	980	0	NR
465	516	NR	595	568	NR	725	24	NR	855	1	NR	985	0	NR
470	424	NR	600	555	NR	730	21	NR	860	0	NR	990	0	NR
475	314	NR	605	534	NR	735	17	NR	865	0	NR	995	0	NR
480	267	NR	610	509	NR	740	15	NR	870	0	NR	1000	0	NR
485	265	NR	615	479	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-168-4

Scotopic Flux vs. Wavelength



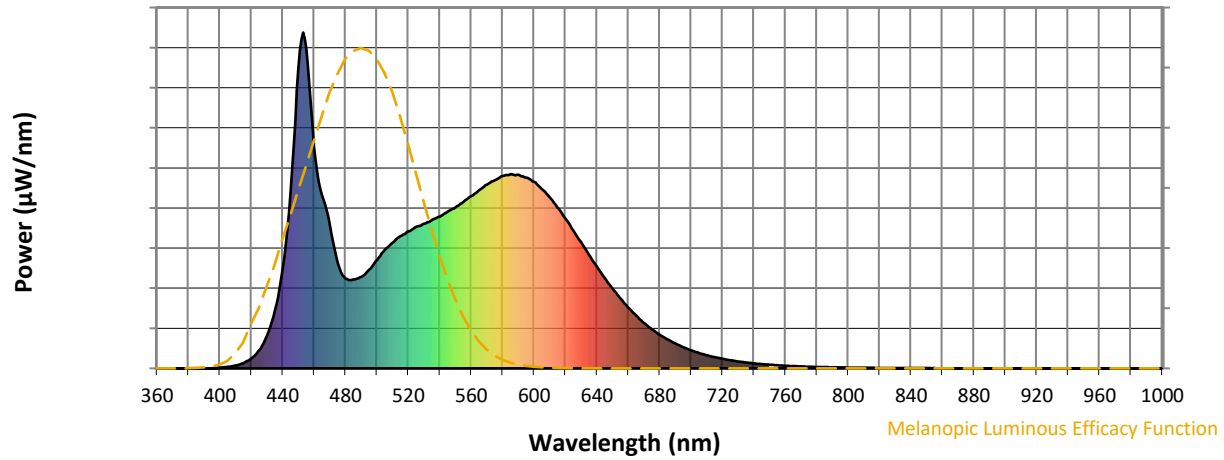
Scotopic Lumens: NR

S/P: 2

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	273	NR	620	446	NR	750	11	NR	880	0	NR
365	0	NR	495	294	NR	625	410	NR	755	9	NR	885	0	NR
370	0	NR	500	322	NR	630	376	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	338	NR	765	7	NR	895	0	NR
380	0	NR	510	374	NR	640	303	NR	770	6	NR	900	0	NR
385	0	NR	515	393	NR	645	269	NR	775	5	NR	905	0	NR
390	0	NR	520	408	NR	650	237	NR	780	4	NR	910	0	NR
395	0	NR	525	421	NR	655	208	NR	785	4	NR	915	0	NR
400	2	NR	530	430	NR	660	181	NR	790	3	NR	920	0	NR
405	5	NR	535	442	NR	665	157	NR	795	3	NR	925	0	NR
410	9	NR	540	451	NR	670	135	NR	800	2	NR	930	0	NR
415	16	NR	545	467	NR	675	116	NR	805	2	NR	935	0	NR
420	29	NR	550	480	NR	680	100	NR	810	2	NR	940	0	NR
425	54	NR	555	495	NR	685	86	NR	815	2	NR	945	0	NR
430	98	NR	560	513	NR	690	74	NR	820	1	NR	950	0	NR
435	174	NR	565	530	NR	695	63	NR	825	1	NR	955	0	NR
440	296	NR	570	546	NR	700	54	NR	830	1	NR	960	0	NR
445	529	NR	575	561	NR	705	46	NR	835	1	NR	965	0	NR
450	894	NR	580	572	NR	710	39	NR	840	1	NR	970	0	NR
455	952	NR	585	578	NR	715	33	NR	845	1	NR	975	0	NR
460	658	NR	590	576	NR	720	28	NR	850	1	NR	980	0	NR
465	516	NR	595	568	NR	725	24	NR	855	1	NR	985	0	NR
470	424	NR	600	555	NR	730	21	NR	860	0	NR	990	0	NR
475	314	NR	605	534	NR	735	17	NR	865	0	NR	995	0	NR
480	267	NR	610	509	NR	740	15	NR	870	0	NR	1000	0	NR
485	265	NR	615	479	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-168-4

Melanopic Flux vs. Wavelength



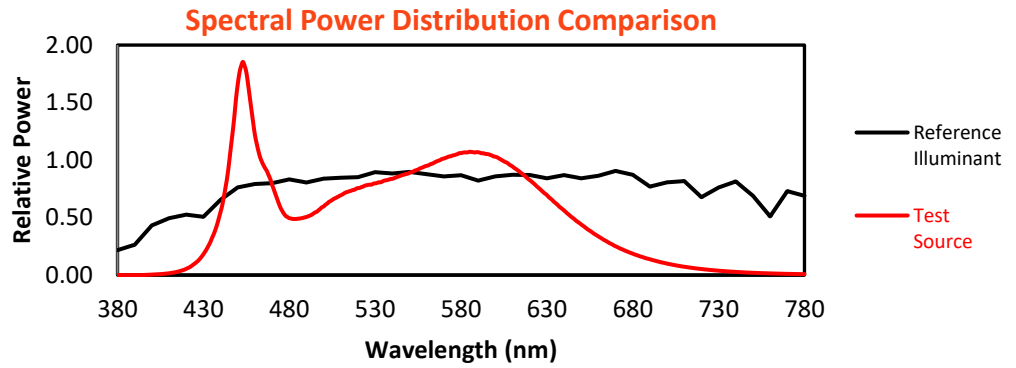
Melanopic Lumens: NR

M/P: 4.35

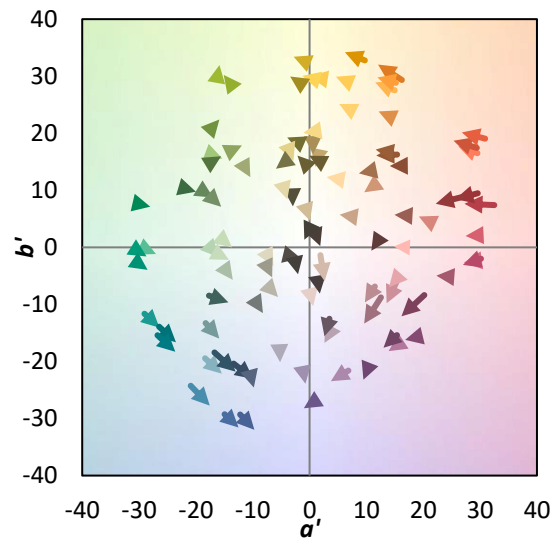
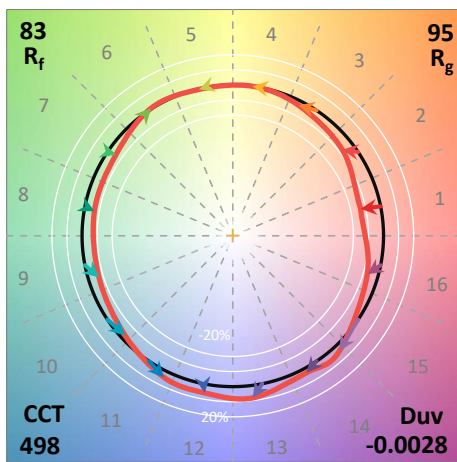
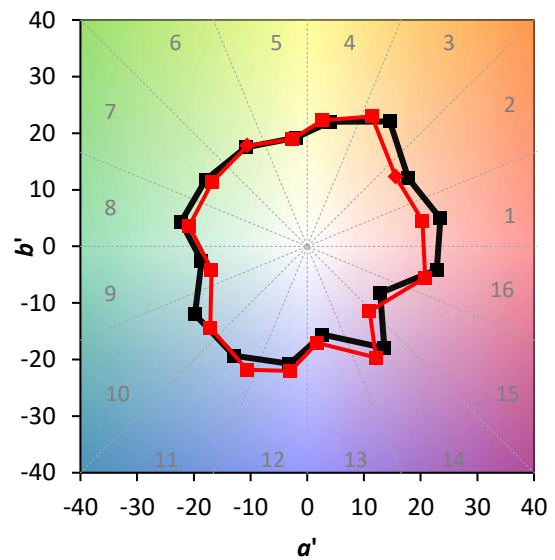
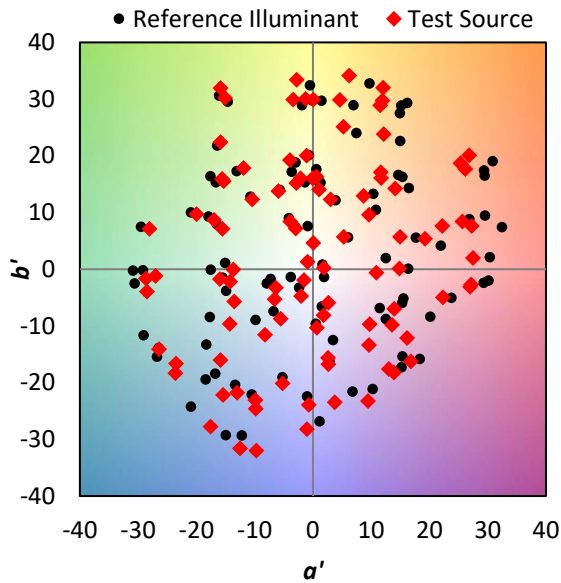
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	273	NR	620	446	NR	750	11	NR	880	0	NR
365	0	NR	495	294	NR	625	410	NR	755	9	NR	885	0	NR
370	0	NR	500	322	NR	630	376	NR	760	8	NR	890	0	NR
375	0	NR	505	352	NR	635	338	NR	765	7	NR	895	0	NR
380	0	NR	510	374	NR	640	303	NR	770	6	NR	900	0	NR
385	0	NR	515	393	NR	645	269	NR	775	5	NR	905	0	NR
390	0	NR	520	408	NR	650	237	NR	780	4	NR	910	0	NR
395	0	NR	525	421	NR	655	208	NR	785	4	NR	915	0	NR
400	2	NR	530	430	NR	660	181	NR	790	3	NR	920	0	NR
405	5	NR	535	442	NR	665	157	NR	795	3	NR	925	0	NR
410	9	NR	540	451	NR	670	135	NR	800	2	NR	930	0	NR
415	16	NR	545	467	NR	675	116	NR	805	2	NR	935	0	NR
420	29	NR	550	480	NR	680	100	NR	810	2	NR	940	0	NR
425	54	NR	555	495	NR	685	86	NR	815	2	NR	945	0	NR
430	98	NR	560	513	NR	690	74	NR	820	1	NR	950	0	NR
435	174	NR	565	530	NR	695	63	NR	825	1	NR	955	0	NR
440	296	NR	570	546	NR	700	54	NR	830	1	NR	960	0	NR
445	529	NR	575	561	NR	705	46	NR	835	1	NR	965	0	NR
450	894	NR	580	572	NR	710	39	NR	840	1	NR	970	0	NR
455	952	NR	585	578	NR	715	33	NR	845	1	NR	975	0	NR
460	658	NR	590	576	NR	720	28	NR	850	1	NR	980	0	NR
465	516	NR	595	568	NR	725	24	NR	855	1	NR	985	0	NR
470	424	NR	600	555	NR	730	21	NR	860	0	NR	990	0	NR
475	314	NR	605	534	NR	735	17	NR	865	0	NR	995	0	NR
480	267	NR	610	509	NR	740	15	NR	870	0	NR	1000	0	NR
485	265	NR	615	479	NR	745	13	NR	875	0	NR			

Summary

$R_f = 82.9$
 $R_g = 94.6$
 $CIE R_a = 83.4$
 $R_9 = 6.6$

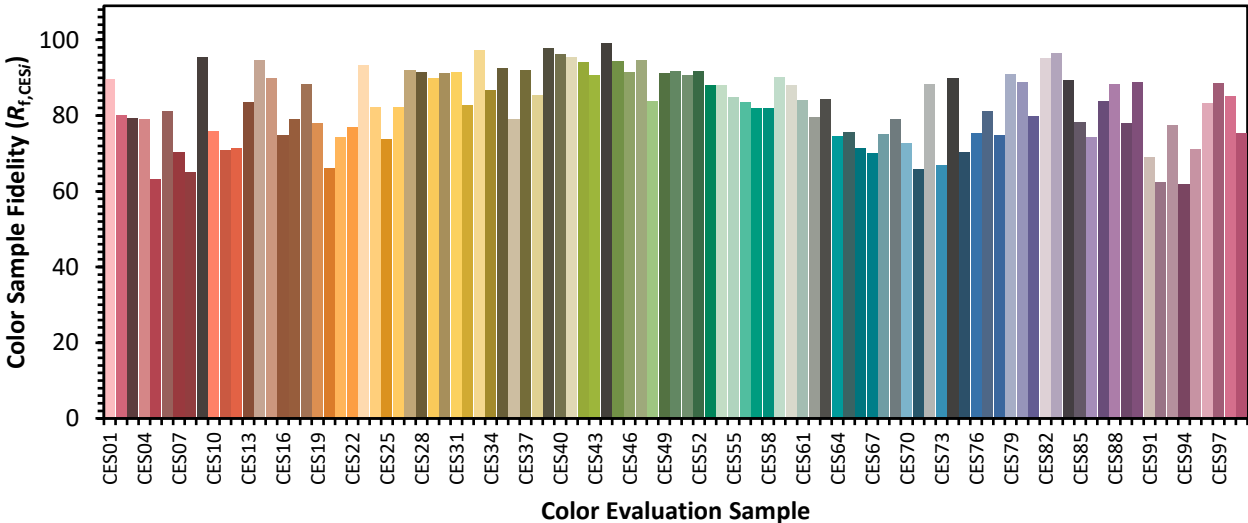


Color Vector Graphics

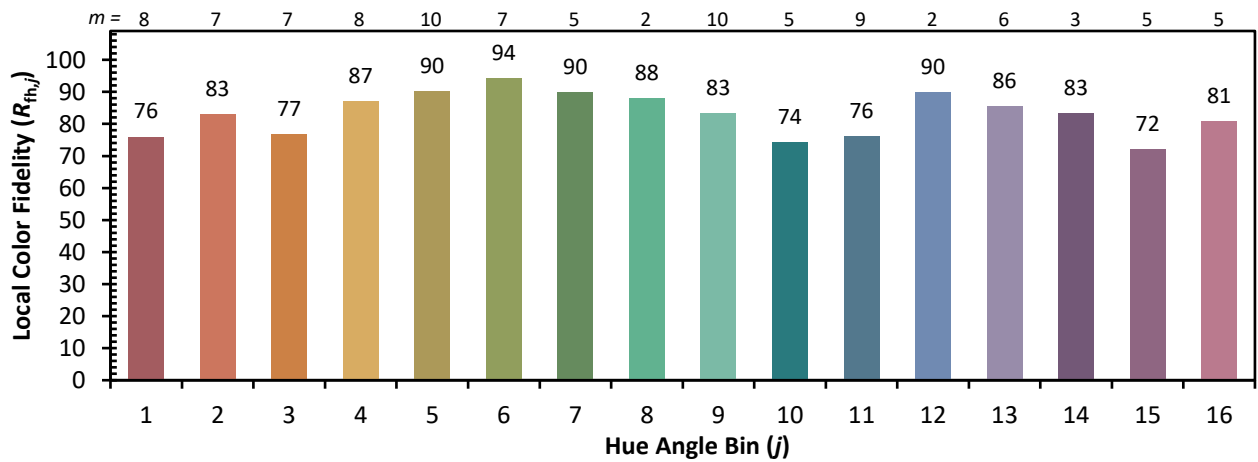
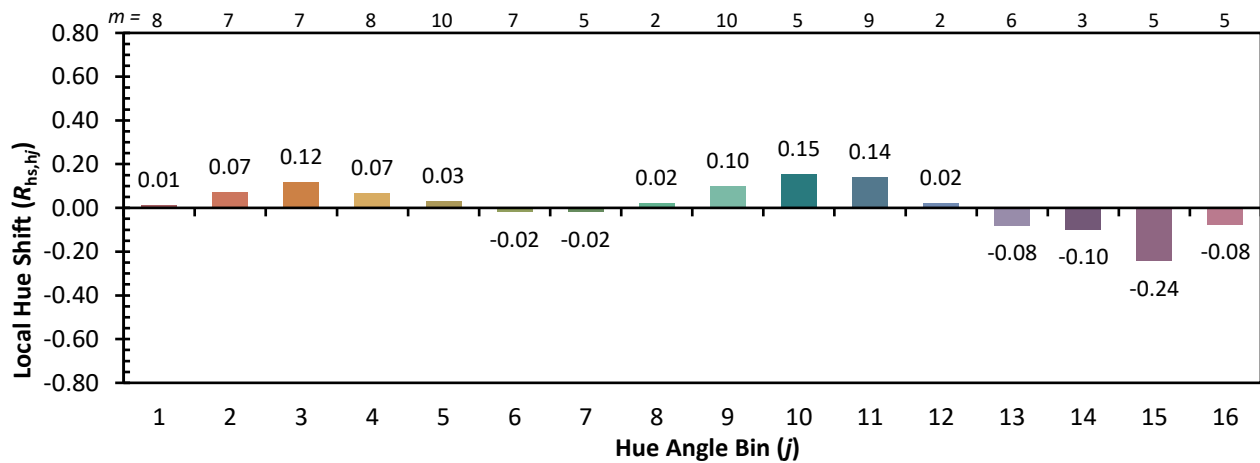
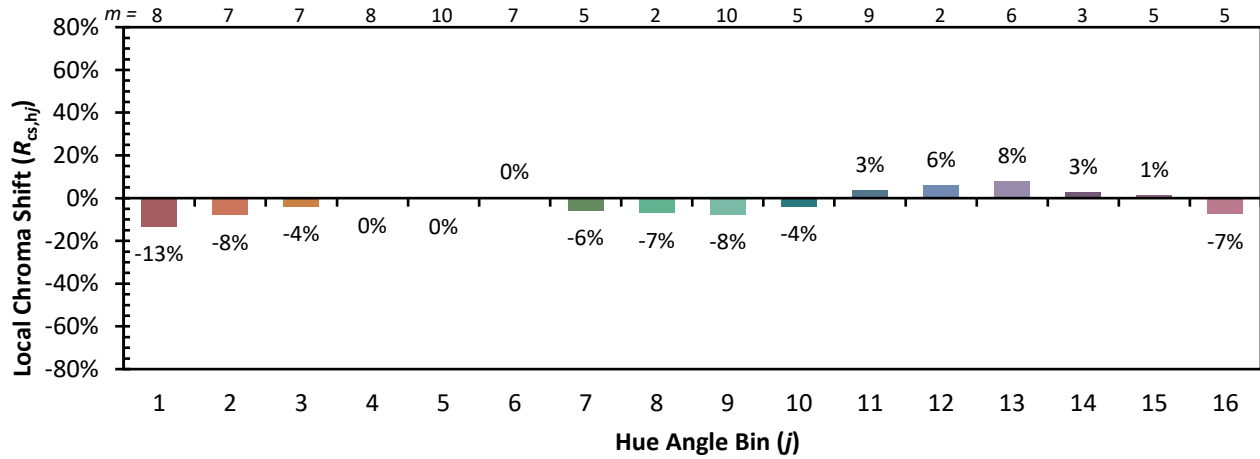


Individual Sample Fidelity Index ($R_{f,i}$)

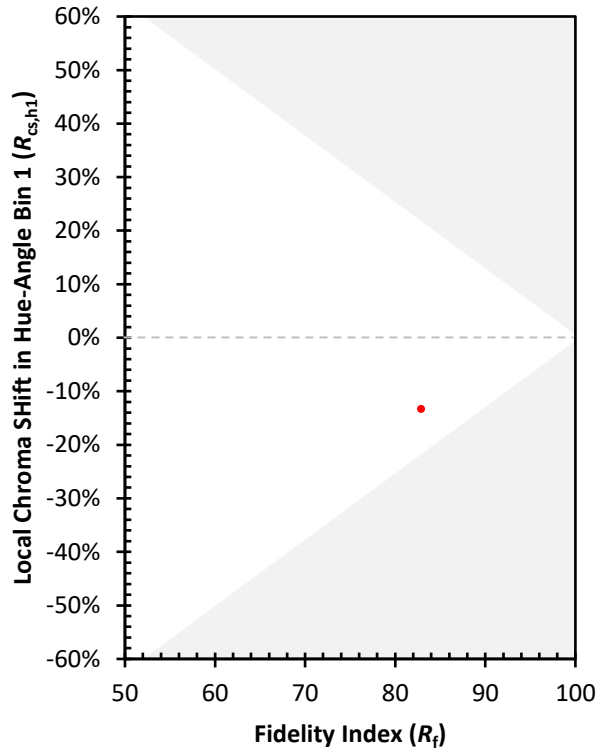
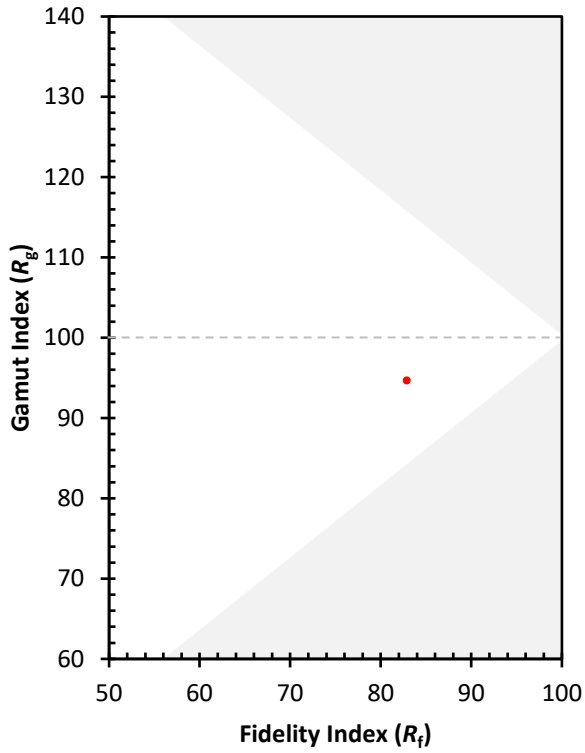
CES01 = 85	CES26 = 82	CES51 = 91	CES76 = 75
CES02 = 60	CES27 = 92	CES52 = 92	CES77 = 81
CES03 = 30	CES28 = 92	CES53 = 88	CES78 = 75
CES04 = 69	CES29 = 90	CES54 = 88	CES79 = 91
CES05 = 47	CES30 = 91	CES55 = 85	CES80 = 89
CES06 = 50	CES31 = 91	CES56 = 84	CES81 = 80
CES07 = 40	CES32 = 83	CES57 = 82	CES82 = 95
CES08 = 39	CES33 = 97	CES58 = 82	CES83 = 96
CES09 = 29	CES34 = 87	CES59 = 90	CES84 = 89
CES10 = 73	CES35 = 92	CES60 = 88	CES85 = 78
CES11 = 56	CES36 = 79	CES61 = 84	CES86 = 74
CES12 = 62	CES37 = 92	CES62 = 80	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 84	CES88 = 88
CES14 = 74	CES39 = 98	CES64 = 75	CES89 = 78
CES15 = 71	CES40 = 96	CES65 = 76	CES90 = 89
CES16 = 46	CES41 = 96	CES66 = 72	CES91 = 69
CES17 = 49	CES42 = 94	CES67 = 70	CES92 = 62
CES18 = 56	CES43 = 91	CES68 = 75	CES93 = 77
CES19 = 71	CES44 = 99	CES69 = 79	CES94 = 62
CES20 = 64	CES45 = 94	CES70 = 73	CES95 = 71
CES21 = 85	CES46 = 91	CES71 = 66	CES96 = 83
CES22 = 77	CES47 = 95	CES72 = 88	CES97 = 89
CES23 = 91	CES48 = 84	CES73 = 67	CES98 = 85
CES24 = 90	CES49 = 91	CES74 = 90	CES99 = 75
CES25 = 71	CES50 = 92	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)