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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501559

Luminaire Tested: GSS-SB5C-835-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501559
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5C-835-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	33423.5 lumens
Efficiency:	N/A
Efficacy:	132.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

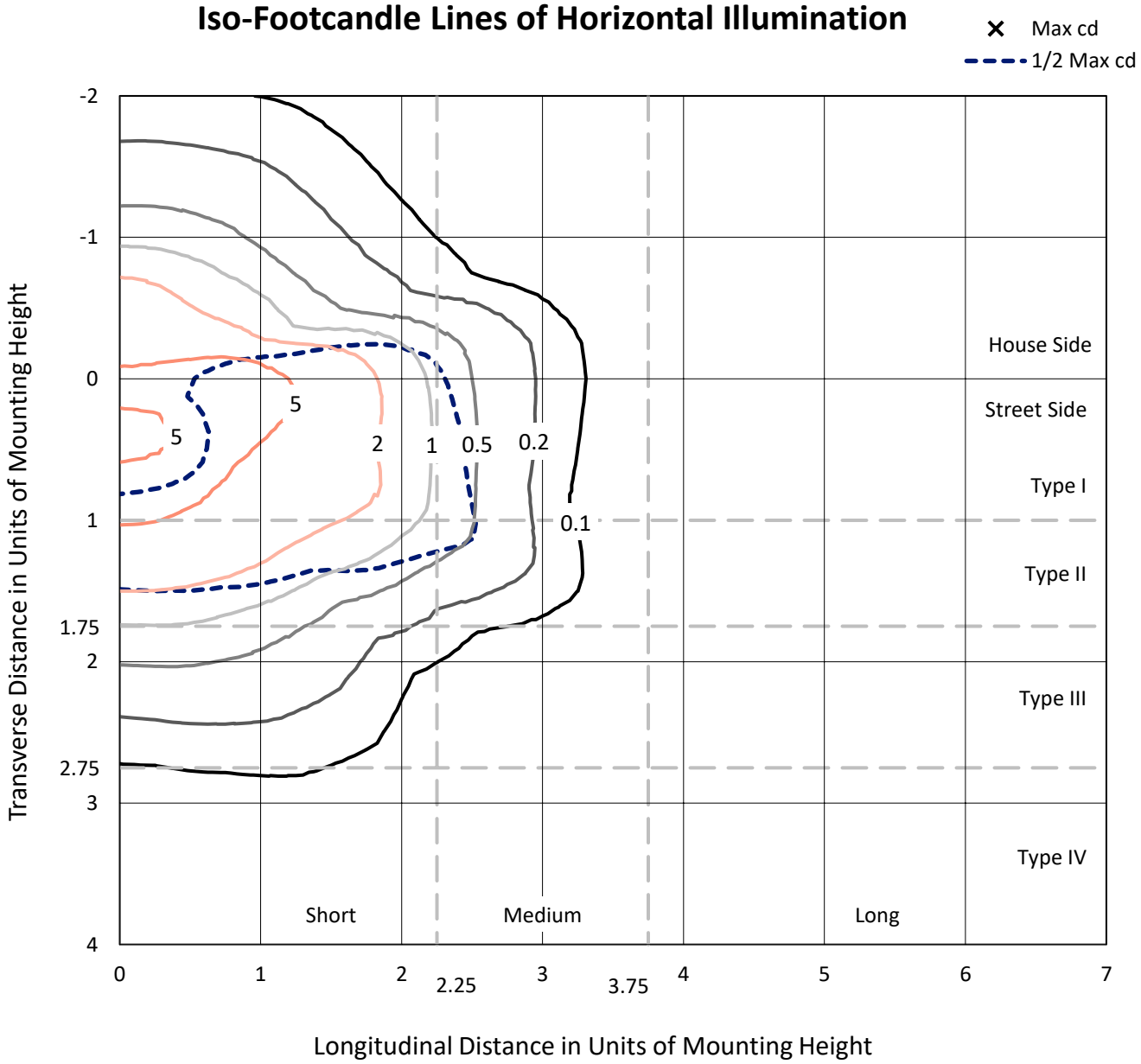
Input Watts (W):	252
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	7.9%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



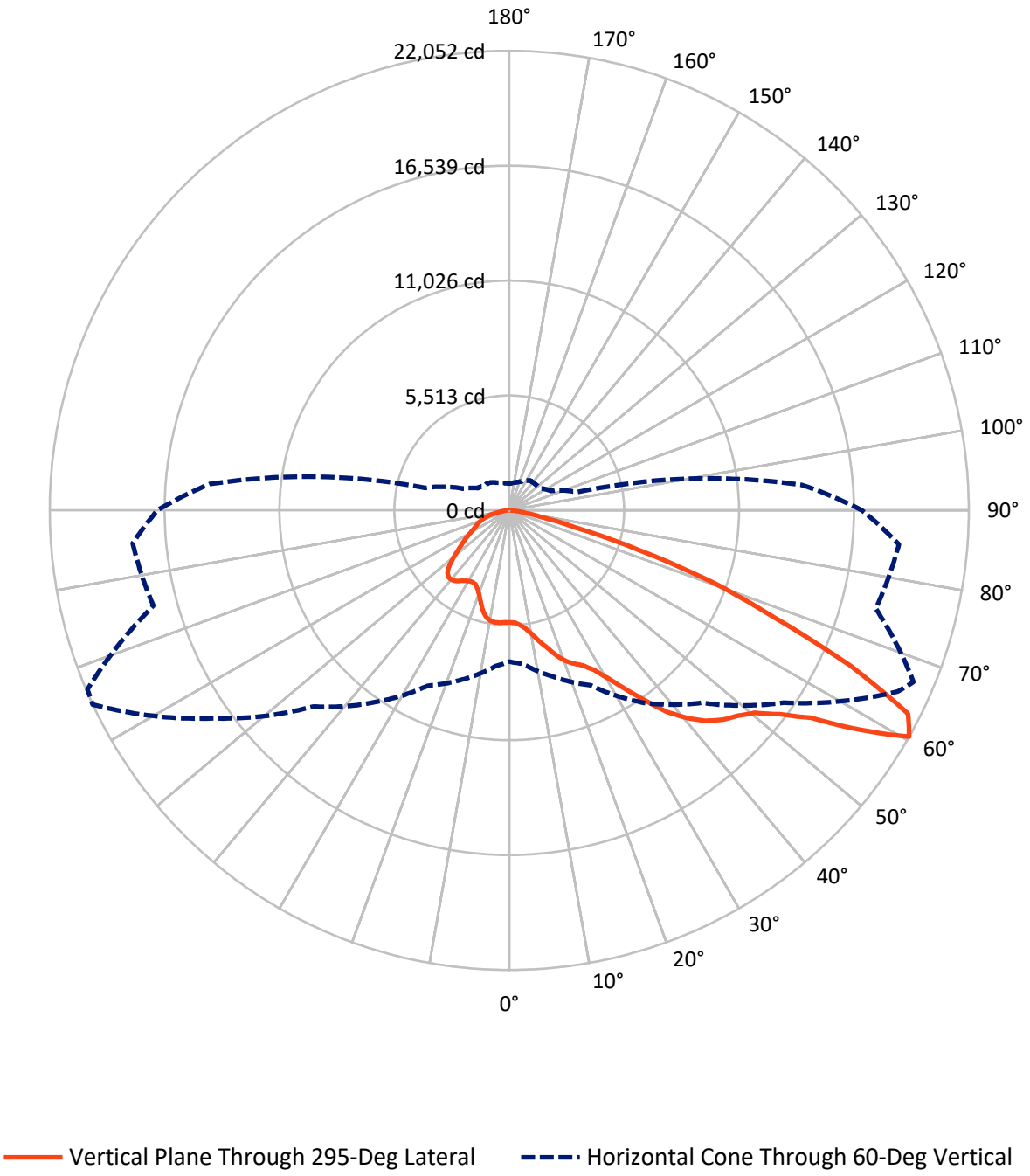
Based on 30 foot mounting height. Maximum calculated value = 9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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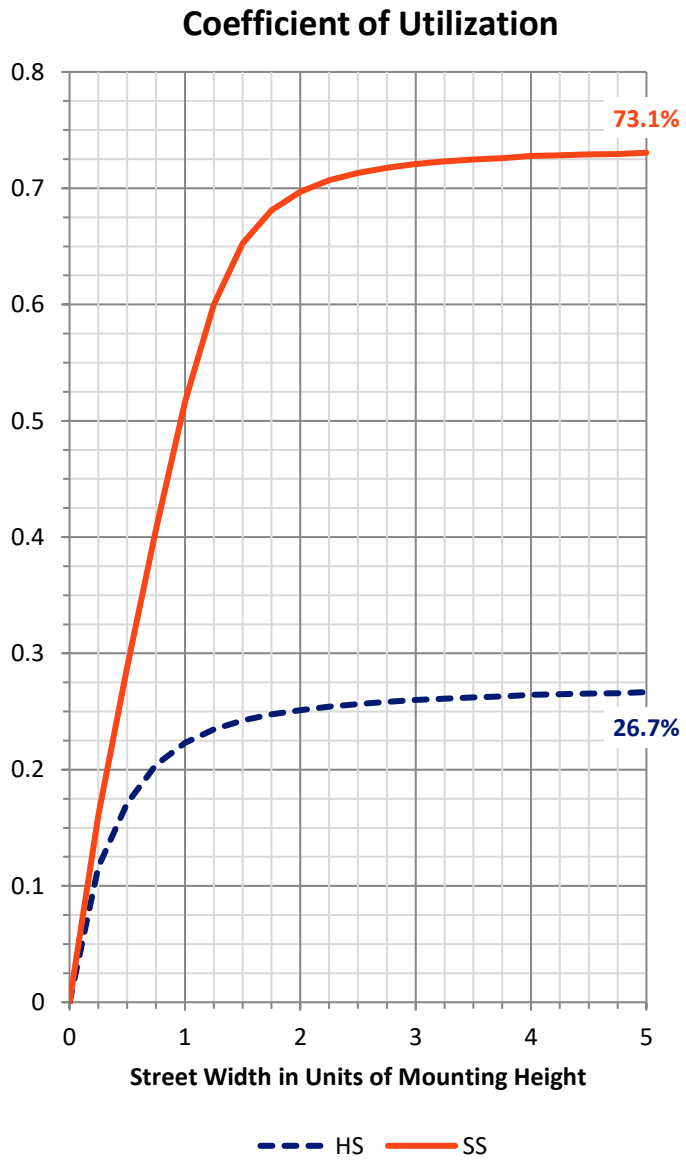
REPORT NUMBER: P1501559
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8988.0	0.0	8988.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	24435.5	0.0	24435.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	33423.5	0.0	33423.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.6	1.5
10°-20°	1453.5	4.3
20°-30°	2753.2	8.2
30°-40°	4853.8	14.5
40°-50°	7178.2	21.5
50°-60°	8429.2	25.2
60°-70°	6107.3	18.3
70°-80°	1883.4	5.6
80°-90°	259.3	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	33423.5	100.0
0°-180°	33423.5	100.0



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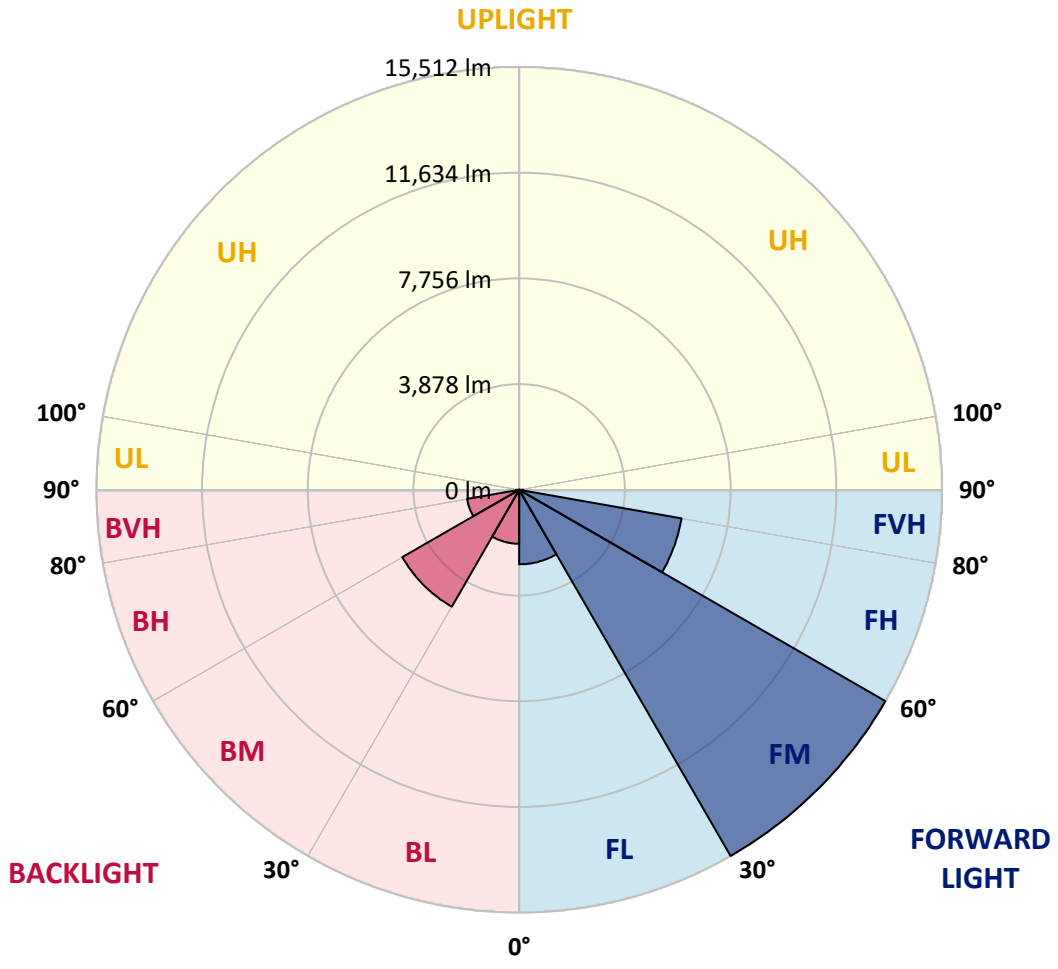
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2732.9	8.2			
FM	(30°-60°)	15512.0	46.4			
FH	(60°-80°)	6050.7	18.1			G3/7500
FVH	(80°-90°)	139.9	0.4			G2/225
BL	(0°-30°)	1979.5	5.9	B3/2500		
BM	(30°-60°)	4949.1	14.8	B3/5000		
BH	(60°-80°)	1940.0	5.8	B3/2500		G3/2500
BVH	(80°-90°)	119.4	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7
2.5°	5484.3	5499.6	5476.7	5491.9	5491.9	5469.1	5461.5	5431.0	5446.2	5438.6	5431.0
5°	5613.8	5621.4	5606.2	5629.0	5629.0	5636.7	5629.0	5591.0	5591.0	5591.0	5575.7
7.5°	5575.7	5575.7	5583.3	5659.5	5735.7	5834.7	5834.7	5819.5	5834.7	5827.1	5758.5
10°	5255.8	5286.3	5354.8	5545.3	5728.1	5941.3	6086.1	6131.8	6131.8	6139.4	6025.1
12.5°	4684.5	4707.4	4867.3	5156.8	5537.6	5926.1	6276.5	6505.0	6527.9	6565.9	6413.6
15°	4174.2	4189.4	4303.7	4600.7	5034.9	5720.5	6383.1	6855.4	6931.6	7091.5	6863.0
17.5°	4219.9	4212.3	4242.7	4357.0	4669.3	5385.3	6360.3	7266.7	7403.8	7685.7	7487.6
20°	4494.1	4494.1	4516.9	4539.8	4654.1	5141.5	6192.7	7601.9	7868.5	8416.9	8188.4
22.5°	4928.3	4928.3	4920.7	4958.7	4958.7	5248.2	6200.3	7853.2	8249.3	9231.9	9011.0
25°	5530.0	5499.6	5499.6	5514.8	5446.2	5651.9	6390.8	8112.2	8630.2	10199.3	10008.9
27.5°	6207.9	6230.8	6215.6	6162.2	6070.8	6230.8	6847.8	8515.9	9056.7	11220.0	11143.8
30°	6946.8	6954.4	6969.7	6939.2	6863.0	6977.3	7563.8	9125.3	9620.4	12286.4	12454.0
32.5°	7670.4	7777.1	7739.0	7662.8	7693.3	7898.9	8447.4	9947.9	10458.3	13276.6	13870.8
35°	8592.1	8630.2	8782.5	8500.7	8508.3	8858.7	9574.7	11029.6	11524.7	14304.9	15287.5
37.5°	9932.7	10001.3	9932.7	9490.9	9422.4	9909.9	10671.6	12096.0	12454.0	15081.9	16605.3
40°	11250.5	11334.3	11448.5	10930.6	10496.4	10900.1	11707.5	12911.0	13284.2	15508.4	17481.3
42.5°	12339.7	12476.8	12355.0	12202.6	11806.5	11882.7	12431.1	13543.2	13916.5	16049.3	18364.9
45°	13261.4	13284.2	13337.6	13230.9	13032.9	12964.3	13048.1	14099.3	14510.6	16293.0	18799.0
47.5°	13642.2	13741.3	13787.0	13969.8	14175.4	14038.3	13573.7	14358.3	14731.5	16277.8	18936.1
50°	13436.6	13535.6	13779.4	14213.5	14708.6	14952.4	14190.7	14716.3	15135.2	16552.0	19218.0
52.5°	12895.8	13002.4	13398.5	13893.6	14723.9	15279.9	15059.0	15462.7	15866.4	17039.5	19690.2
55°	11585.6	11745.6	12301.6	13124.3	14266.8	15104.7	15973.1	16559.6	17001.4	17626.0	20177.7
57.5°	9681.3	9848.9	10473.5	11707.5	13421.3	14381.1	16239.7	18616.2	18814.3	18326.8	20223.4
60°	*7251.5*	*7388.6*	*8272.2*	*9262.4*	*11273.3*	*13055.7*	*16087.3*	*20566.2*	*21068.9*	*18204.9*	*18768.6*
62.5°	5743.3	5910.9	6695.4	7152.5	8592.1	10785.8	15554.1	21107.0	21541.2	17199.4	16742.4
65°	4486.5	4600.7	5332.0	5987.0	6337.4	7365.7	13329.9	18463.9	18852.3	15561.8	13817.4
67.5°	2963.1	3138.2	4006.6	4905.4	5088.2	4684.5	9171.0	14205.9	14388.7	12370.2	10389.7
70°	2125.2	2209.0	2856.4	3816.2	4090.4	3138.2	4996.8	10755.4	10808.7	8302.7	7000.1
72.5°	1447.3	1462.5	1942.4	2925.0	3260.1	2277.5	2749.8	7083.9	6901.1	4098.0	4006.6
75°	982.6	997.8	1241.6	1950.0	2308.0	1584.4	1790.0	3861.9	3709.5	2262.3	2429.9
77.5°	662.7	677.9	853.1	1310.1	1538.7	1096.9	1310.1	2041.4	2003.3	1500.6	1302.5
80°	502.7	525.6	632.2	837.9	1074.0	639.8	746.5	967.4	982.6	799.8	662.7
82.5°	281.8	312.3	380.9	426.6	693.2	358.0	358.0	578.9	556.0	495.1	358.0
85°	121.9	129.5	152.3	160.0	281.8	152.3	129.5	251.4	259.0	243.7	114.3
87.5°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	30.5	30.5	30.5	30.5
90°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7
2.5°	5392.9	5438.6	5392.9	5370.1	5370.1	5332.0	5316.7	5316.7	5263.4	5286.3	5271.0
5°	5514.8	5530.0	5476.7	5408.1	5316.7	5240.6	5133.9	4996.8	4913.0	4905.4	4913.0
7.5°	5705.2	5712.8	5568.1	5415.8	5187.3	4913.0	4585.5	4318.9	4082.8	4044.7	4090.4
10°	5971.8	5956.6	5743.3	5385.3	4905.4	4326.5	3823.8	3580.0	3442.9	3435.3	3427.7
12.5°	6329.8	6230.8	5903.3	5255.8	4417.9	3747.6	3488.6	3473.4	3511.5	3542.0	3549.6
15°	6741.1	6611.7	6032.8	5004.4	3922.8	3534.3	3549.6	3679.1	3724.8	3755.2	3755.2
17.5°	7251.5	7083.9	6177.5	4646.4	3671.4	3580.0	3686.7	3808.6	3884.7	3915.2	3907.6
20°	7929.4	7579.0	6291.7	4303.7	3602.9	3656.2	3747.6	3869.5	3945.7	3983.7	3983.7
22.5°	8607.3	8173.2	6314.6	4067.5	3602.9	3663.8	3747.6	3869.5	3953.3	3991.4	3983.7
25°	9529.0	8934.9	6322.2	3900.0	3610.5	3625.7	3701.9	3808.6	3930.4	3968.5	3983.7
27.5°	10511.6	9772.8	6360.3	3861.9	3580.0	3572.4	3625.7	3724.8	3846.6	3945.7	3953.3
30°	11730.4	10717.3	6375.5	3900.0	3587.7	3488.6	3526.7	3625.7	3755.2	3854.3	3884.7
32.5°	12926.2	11593.2	6345.1	3983.7	3602.9	3435.3	3442.9	3503.9	3641.0	3709.5	3762.9
35°	14190.7	12522.5	6291.7	4098.0	3610.5	3412.5	3343.9	3374.4	3465.8	3473.4	3496.3
37.5°	15180.9	13215.7	6131.8	4250.3	3625.7	3328.7	3191.6	3168.7	3130.6	3054.5	3069.7
40°	15995.9	13680.3	5865.2	4326.5	3587.7	3229.7	3001.1	2894.5	2749.8	2635.5	2658.4
42.5°	16582.5	13992.6	5545.3	4341.8	3526.7	3062.1	2780.2	2597.4	2437.5	2315.6	2323.2
45°	16841.4	13962.2	5202.5	4227.5	3382.0	2856.4	2574.6	2399.4	2224.2	2094.7	2079.5
47.5°	16849.0	13665.1	4730.2	3953.3	3138.2	2620.3	2384.2	2193.7	2049.0	1957.6	1950.0
50°	16910.0	13497.5	4288.4	3557.2	2818.3	2368.9	2216.6	2026.2	1942.4	1812.9	1774.8
52.5°	17290.8	13771.7	3983.7	3123.0	2521.3	2186.1	2071.9	1904.3	1767.2	1683.4	1675.8
55°	17907.8	14244.0	3816.2	2795.5	2239.4	2010.9	1934.7	1790.0	1668.1	1584.4	1561.5
57.5°	17984.0	14487.7	3618.1	2490.8	2010.9	1873.8	1843.3	1683.4	1508.2	1447.3	1424.4
60°	*16917.6*	*14076.4*	*3374.4*	*2209.0*	*1843.3*	*1767.2*	*1751.9*	*1538.7*	*1393.9*	*1317.8*	*1287.3*
62.5°	15462.7	13048.1	3001.1	1950.0	1713.8	1660.5	1599.6	1432.0	1249.2	1165.4	1142.6
65°	12636.8	10968.6	2551.7	1774.8	1584.4	1523.4	1508.2	1279.7	1157.8	1112.1	1104.5
67.5°	9574.7	8813.0	2247.0	1645.3	1447.3	1424.4	1371.1	1294.9	1241.6	1188.3	1173.0
70°	6771.6	6360.3	1911.9	1477.7	1310.1	1272.1	1493.0	1409.2	1218.7	1150.2	1142.6
72.5°	4105.6	3991.4	1652.9	1325.4	1127.3	1188.3	1378.7	1272.1	1096.9	1013.1	982.6
75°	2589.8	2368.9	1386.3	1127.3	898.8	967.4	1203.5	1134.9	944.5	860.7	837.9
77.5°	1409.2	1310.1	1043.5	921.7	708.4	784.6	1051.2	936.9	754.1	822.6	731.2
80°	617.0	685.5	693.2	533.2	472.3	578.9	754.1	731.2	578.9	586.5	487.5
82.5°	297.1	388.5	449.4	365.6	266.6	342.8	502.7	418.9	388.5	365.6	350.4
85°	91.4	144.7	198.0	175.2	121.9	144.7	236.1	228.5	274.2	236.1	220.9
87.5°	30.5	30.5	22.9	22.9	22.9	30.5	38.1	22.9	7.6	7.6	0.0
90°	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7
2.5°	5263.4	5271.0	5271.0	5278.7	5278.7	5301.5	5332.0	5362.4	5339.6	5370.1	5377.7
5°	4897.8	4935.9	4966.4	5080.6	5172.0	5248.2	5332.0	5408.1	5431.0	5446.2	5484.3
7.5°	4037.1	4143.7	4341.8	4600.7	4890.2	5172.0	5362.4	5560.5	5591.0	5629.0	5682.4
10°	3435.3	3481.0	3618.1	3884.7	4402.7	4958.7	5423.4	5735.7	5865.2	5941.3	5994.7
12.5°	3534.3	3503.9	3481.0	3519.1	3854.3	4570.3	5385.3	5987.0	6230.8	6314.6	6383.1
15°	3770.5	3740.0	3656.2	3549.6	3587.7	4158.9	5255.8	6223.2	6611.7	6748.8	6893.5
17.5°	3907.6	3877.1	3808.6	3694.3	3595.3	3816.2	5012.1	6436.5	7213.4	7381.0	7586.6
20°	3983.7	3953.3	3884.7	3770.5	3656.2	3686.7	4699.8	6703.1	7898.9	8165.5	8470.2
22.5°	3999.0	3960.9	3884.7	3770.5	3701.9	3679.1	4402.7	6863.0	8637.8	9049.1	9399.5
25°	3991.4	3922.8	3823.8	3740.0	3701.9	3694.3	4197.0	6954.4	9437.6	10092.7	10488.8
27.5°	3938.0	3854.3	3755.2	3694.3	3679.1	3724.8	4105.6	7061.1	10374.5	11212.4	11844.6
30°	3877.1	3755.2	3633.4	3610.5	3648.6	3793.3	4181.8	7099.1	11357.1	12431.1	13078.6
32.5°	3717.2	3625.7	3503.9	3496.3	3587.7	3846.6	4357.0	7045.8	12225.5	13649.9	14464.9
35°	3488.6	3435.3	3366.8	3389.6	3534.3	3892.3	4478.9	6878.3	13017.6	14784.8	15737.0
37.5°	3084.9	3123.0	3161.1	3214.4	3397.2	3884.7	4532.2	6611.7	13672.7	15691.2	16910.0
40°	2635.5	2765.0	2886.9	3024.0	3267.7	3823.8	4547.4	6284.1	14053.6	16376.8	17953.5
42.5°	2353.7	2475.6	2627.9	2825.9	3092.5	3686.7	4532.2	5918.5	14175.4	16849.0	18616.2
45°	2094.7	2239.4	2429.9	2635.5	2940.2	3488.6	4395.1	5522.4	14236.4	17069.9	18898.1
47.5°	1957.6	2041.4	2216.6	2422.2	2742.2	3244.9	4128.5	5233.0	14145.0	17115.6	19240.8
50°	1797.6	1911.9	2026.2	2224.2	2536.5	2940.2	3808.6	5065.4	14297.3	17565.1	19781.6
52.5°	1675.8	1736.7	1858.6	2041.4	2269.9	2658.4	3503.9	4928.3	14716.3	18022.1	20345.3
55°	1584.4	1652.9	1729.1	1881.4	2056.6	2376.5	3191.6	4722.6	15203.8	18509.6	20909.0
57.5°	1439.6	1485.3	1592.0	1751.9	1866.2	2102.3	2825.9	4478.9	15165.7	18128.7	19934.0
60°	*1310.1*	*1355.8*	*1470.1*	*1630.1*	*1698.6*	*1858.6*	*2467.9*	*4166.6*	*14434.4*	*16887.1*	*18136.3*
62.5°	1165.4	1218.7	1355.8	1470.1	1531.0	1652.9	2094.7	3595.3	12911.0	15020.9	16034.0
65°	1104.5	1134.9	1226.4	1363.5	1355.8	1470.1	1767.2	2825.9	10389.7	11479.0	12400.7
67.5°	1173.0	1218.7	1203.5	1241.6	1218.7	1279.7	1584.4	2269.9	8165.5	8645.4	9178.6
70°	1157.8	1264.4	1317.8	1241.6	1066.4	1134.9	1371.1	1812.9	5842.3	5796.6	5773.8
72.5°	1013.1	1119.7	1272.1	1348.2	1043.5	944.5	1188.3	1569.1	3747.6	3732.4	3374.4
75°	860.7	936.9	1119.7	1218.7	898.8	761.7	1020.7	1333.0	2239.4	2269.9	2026.2
77.5°	792.2	754.1	936.9	1074.0	731.2	586.5	822.6	1005.5	1234.0	1249.2	1157.8
80°	571.3	548.4	700.8	784.6	556.0	418.9	464.6	624.6	662.7	594.1	617.0
82.5°	365.6	373.2	418.9	502.7	342.8	228.5	319.9	418.9	358.0	289.5	342.8
85°	236.1	266.6	220.9	259.0	106.6	106.6	137.1	182.8	121.9	83.8	91.4
87.5°	0.0	0.0	15.2	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	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

Scaled Data Report

REPORT NUMBER: P1501559
CATALOG NUMBER: GSS-SB5C-835-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5377.7	5377.7	*5377.7*	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7	5377.7
2.5°	5400.5	5392.9	*5392.9*	5408.1	5446.2	5461.5	5484.3	5476.7	5499.6	5484.3
5°	5507.2	5514.8	*5537.6*	5545.3	5568.1	5598.6	5606.2	5598.6	5613.8	5613.8
7.5°	5720.5	5750.9	*5735.7*	5773.8	5743.3	5705.2	5644.3	5598.6	5560.5	5575.7
10°	6078.5	6063.2	*6055.6*	5987.0	5849.9	5651.9	5491.9	5316.7	5286.3	5255.8
12.5°	6474.5	6459.3	*6459.3*	6223.2	5834.7	5423.4	5057.8	4783.5	4692.1	4684.5
15°	7030.6	6931.6	*6840.2*	6345.1	5568.1	4867.3	4440.8	4227.5	4174.2	4174.2
17.5°	7723.8	7464.8	*7312.4*	6253.6	5133.9	4501.7	4250.3	4197.0	4181.8	4219.9
20°	8584.5	7929.4	*7708.5*	6048.0	4974.0	4547.4	4425.5	4433.2	4440.8	4494.1
22.5°	9529.0	8356.0	*7990.3*	6048.0	5133.9	4836.9	4775.9	4859.7	4882.6	4928.3
25°	10580.2	8736.8	*8241.7*	6367.9	5606.2	5385.3	5309.1	5392.9	5453.9	5530.0
27.5°	11760.8	9132.9	*8675.9*	6946.8	6215.6	6078.5	5994.7	6032.8	6116.5	6207.9
30°	12819.6	9795.6	*9338.6*	7830.4	7045.8	6878.3	6733.5	6794.5	6885.9	6946.8
32.5°	13756.5	10603.0	*10214.5*	8759.7	7998.0	7708.5	7548.6	7533.3	7716.1	7670.4
35°	14617.2	11555.2	*11181.9*	9818.5	8965.3	8607.3	8394.1	8668.3	8546.4	8592.1
37.5°	15295.2	12545.4	*12248.3*	10831.5	9970.8	9483.3	9353.8	9689.0	9879.4	9932.7
40°	15851.2	13406.1	*13093.8*	11837.0	10892.5	10534.5	10740.1	11296.2	11273.3	11250.5
42.5°	16277.8	14145.0	*13802.2*	12598.7	11776.1	11844.6	12004.6	12377.8	12469.2	12339.7
45°	16468.2	14609.6	*14335.4*	13200.5	12781.5	13177.6	13246.2	13406.1	13345.2	13261.4
47.5°	16689.1	15020.9	*14731.5*	13748.9	13870.8	14259.2	14122.1	13992.6	13771.7	13642.2
50°	17062.3	15508.4	*15264.7*	14548.7	14990.5	14861.0	14327.8	14038.3	13588.9	13436.6
52.5°	17770.7	16430.1	*16247.3*	15813.1	15516.1	14769.6	14122.1	13604.2	13101.4	12895.8
55°	18402.9	17679.3	*17572.7*	16993.8	15356.1	14289.7	13421.3	12621.6	11760.8	11585.6
57.5°	18768.6	19751.2	*19873.0*	17496.5	14624.9	13200.5	11920.8	10641.1	9826.1	9681.3
60°	*17679.3*	*21990.6*	*22051.5*	*17397.5*	*13307.1*	*11235.2*	*9285.3*	*8378.8*	*7502.9*	*7251.5*
62.5°	16178.7	21526.0	*21472.6*	16803.3	10595.4	8196.0	7053.4	6626.9	5949.0	5743.3
65°	13908.8	17930.7	*17991.6*	14518.2	7045.8	5926.1	5926.1	5385.3	4631.2	4486.5
67.5°	11334.3	13825.1	*13687.9*	9414.7	4326.5	4745.5	4974.0	4197.0	3138.2	2963.1
70°	7365.7	10557.3	*10366.9*	5431.0	2719.3	3953.3	3915.2	3153.5	2247.0	2125.2
72.5°	3168.7	6101.3	*6489.8*	2772.6	2049.0	3184.0	3123.0	2209.0	1500.6	1447.3
75°	1911.9	3069.7	*3343.9*	1767.2	1493.0	2399.4	2163.3	1401.5	1020.7	982.6
77.5°	1211.1	1683.4	*1668.1*	1325.4	1119.7	1622.4	1454.9	967.4	693.2	662.7
80°	700.8	830.3	*860.7*	830.3	754.1	1157.8	929.3	700.8	540.8	502.7
82.5°	449.4	518.0	*525.6*	403.7	418.9	746.5	502.7	411.3	312.3	281.8
85°	198.0	220.9	*213.3*	137.1	137.1	304.7	175.2	167.6	121.9	121.9
87.5°	7.6	15.2	*7.6*	7.6	7.6	30.5	15.2	22.9	22.9	22.9
90°	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

McGraw-Edison

Report Number: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

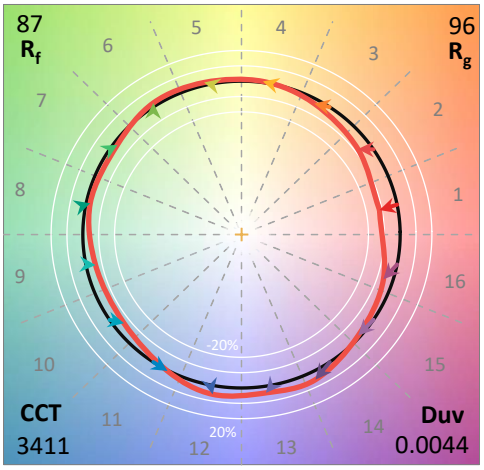
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-10
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-835-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3411
CIE u':	0.2360
CIE v':	0.5189
Duv:	0.0044
CIE x:	0.4154
CIE y:	0.4059
CIE z:	0.1787
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	579
Purity:	46.51914
Rf:	86.6
Rg:	95.9

CRI (Ra):	83.5
R1:	81.1
R2:	88.9
R3:	97.2
R4:	83.8
R5:	81.7
R6:	86.9
R7:	86.1
R8:	62.2
R9:	6.3
R10:	75.4
R11:	84.1
R12:	69.7
R13:	82.8
R14:	98.5
R15:	72.6



Test Conditions

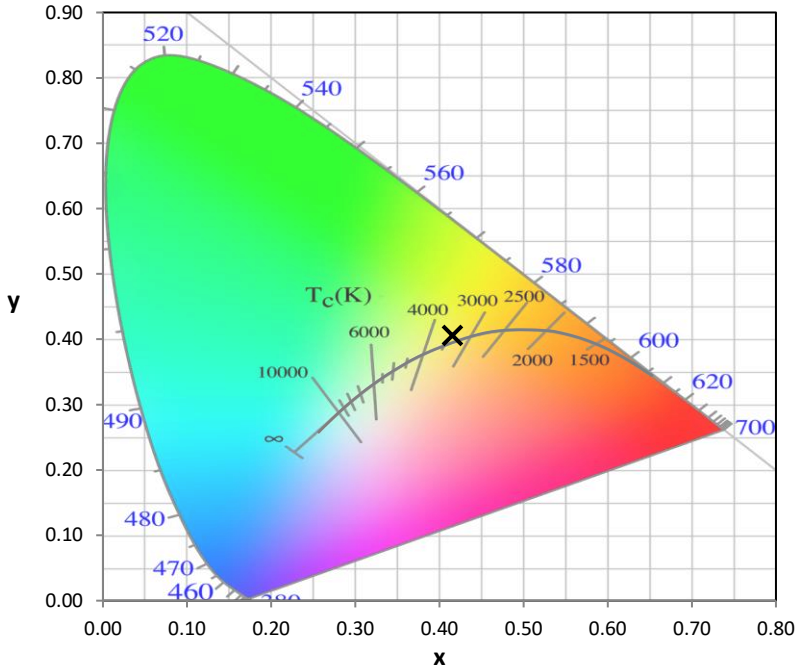
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

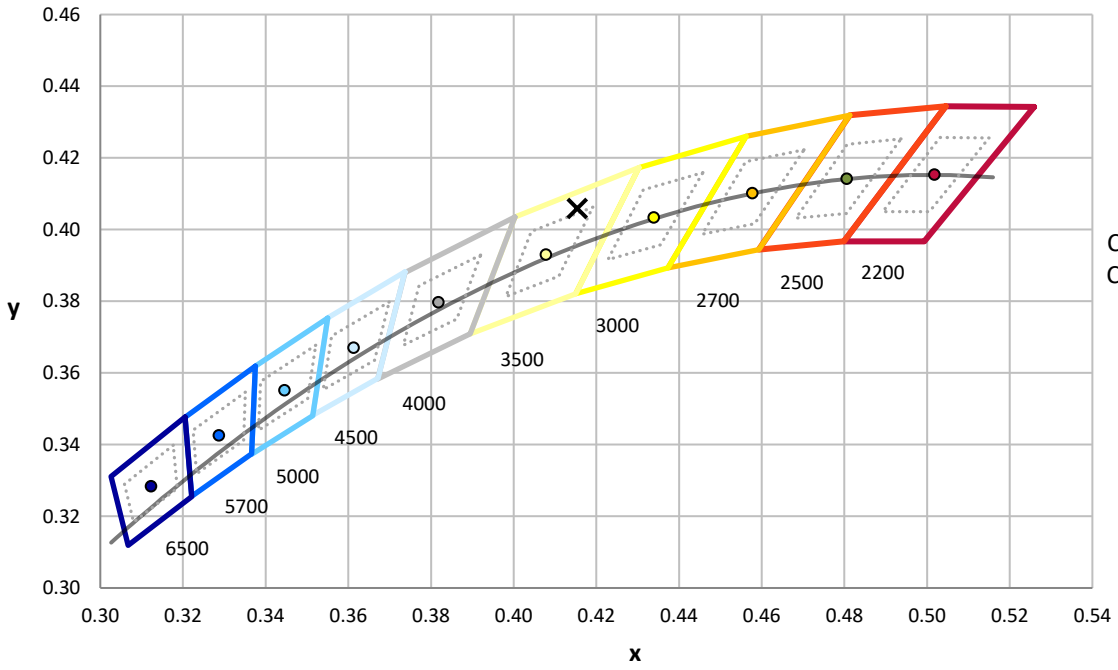
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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

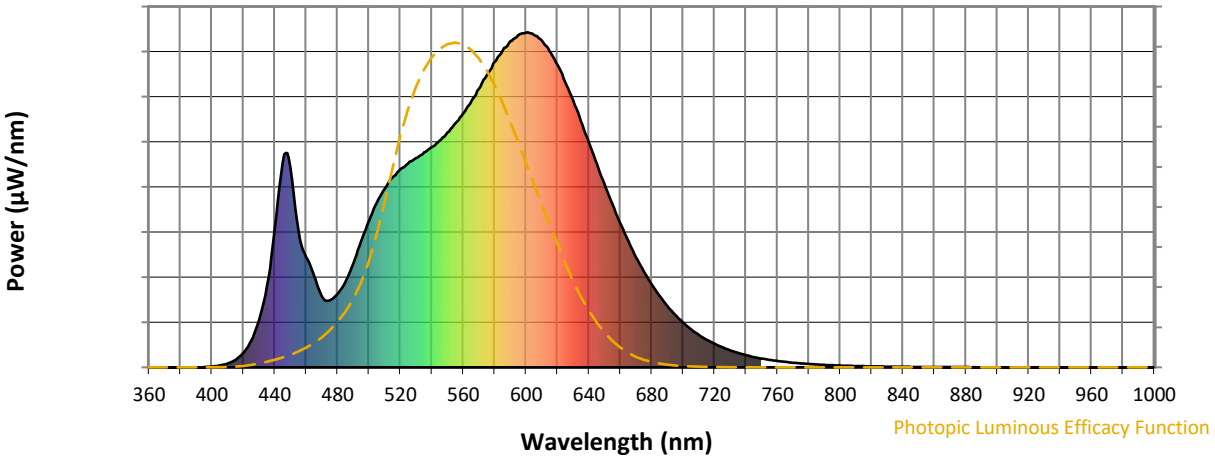


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

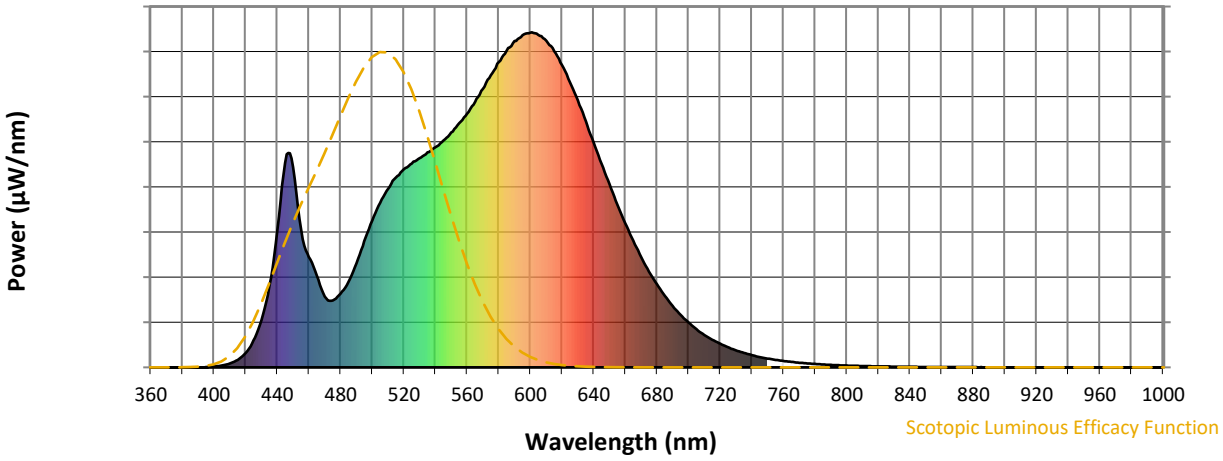


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength

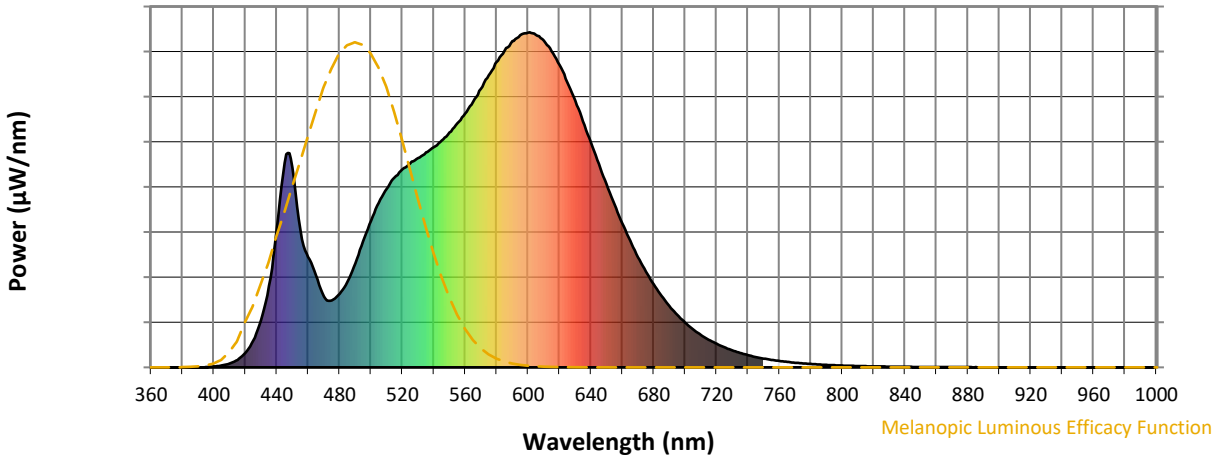


Scotopic Lumens: NR **S/P: 1.48**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

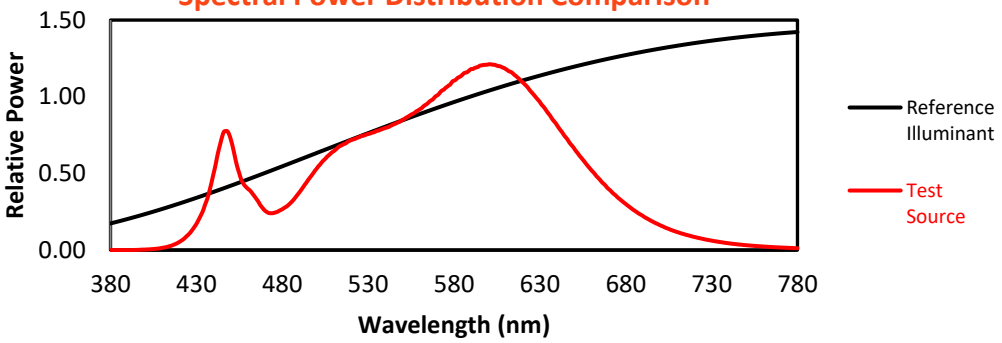
REPORT NUMBER: SP1-2407-184-10

TM-30-18

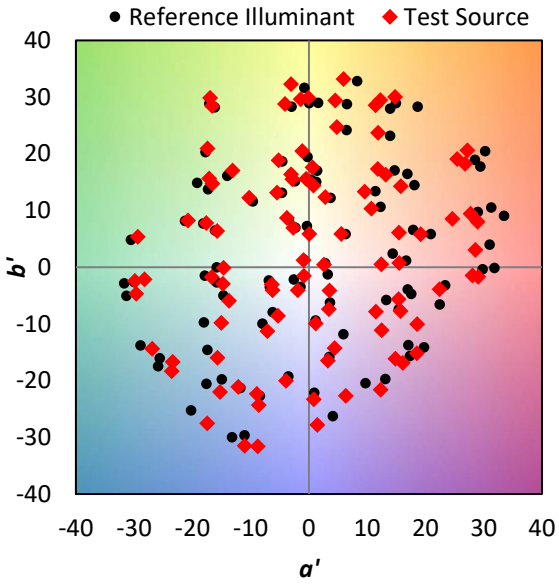
Summary

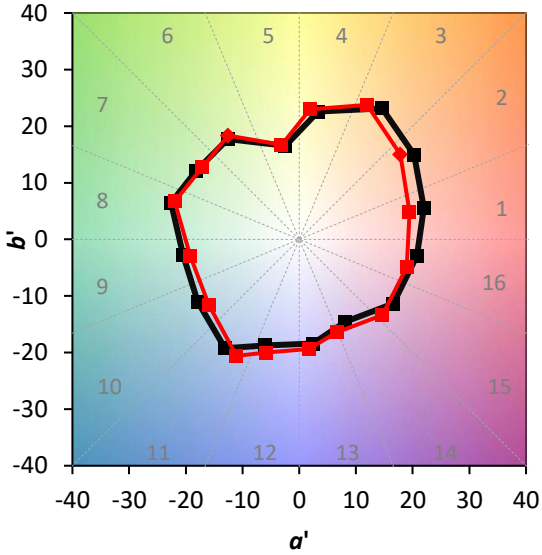
R_f = 86.6
R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

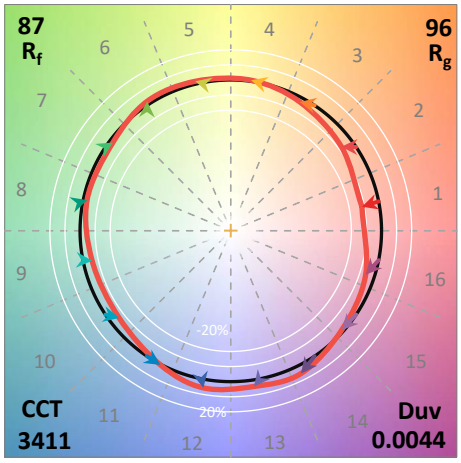
Spectral Power Distribution Comparison

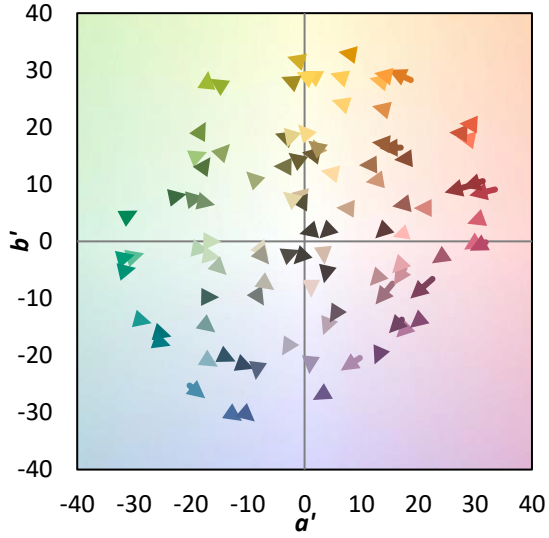


Color Vector Graphics







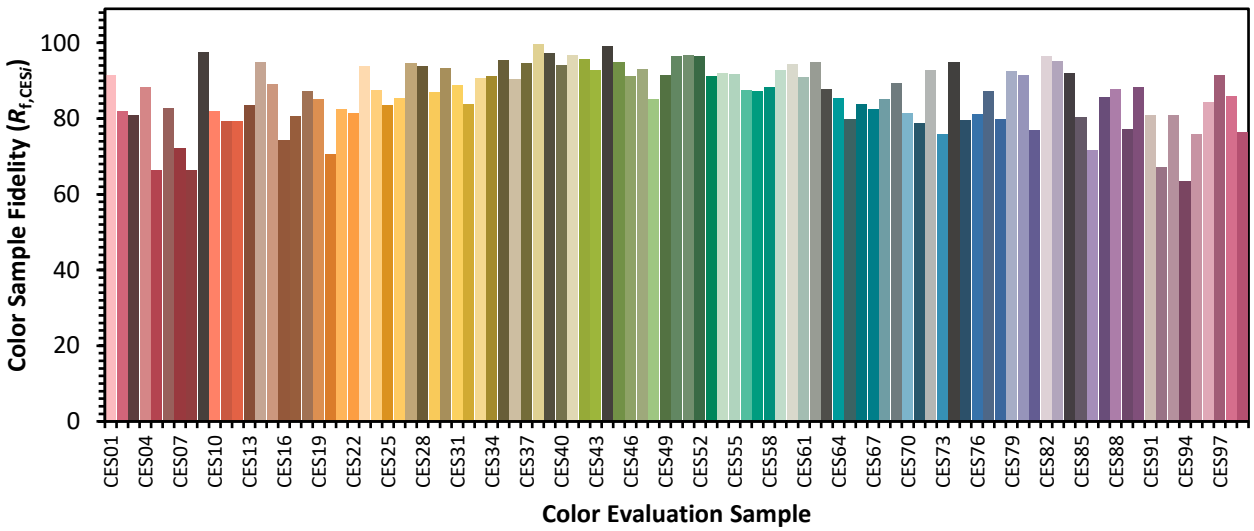


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Individual Sample Fidelity Index ($R_{f,i}$)

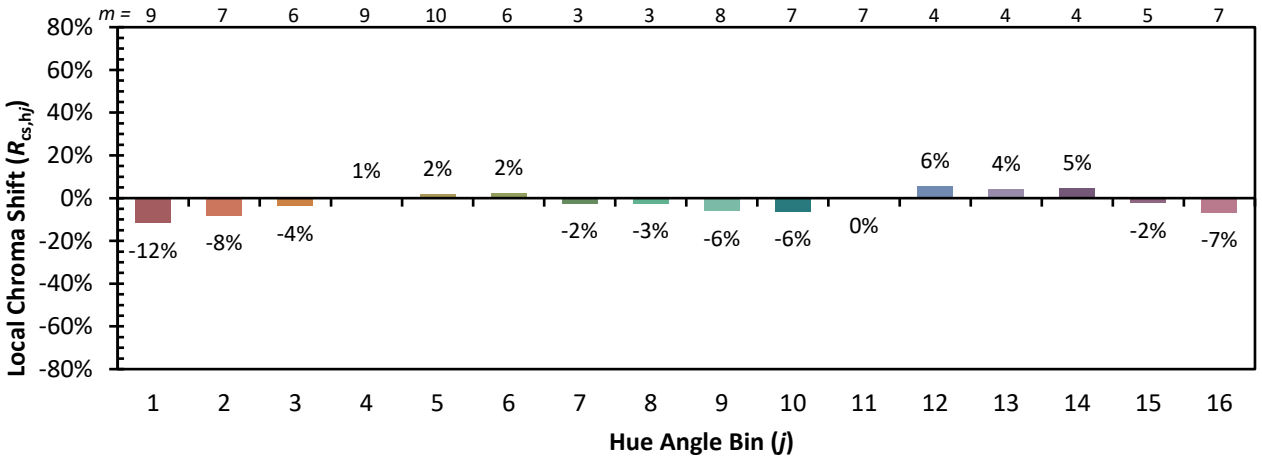
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	

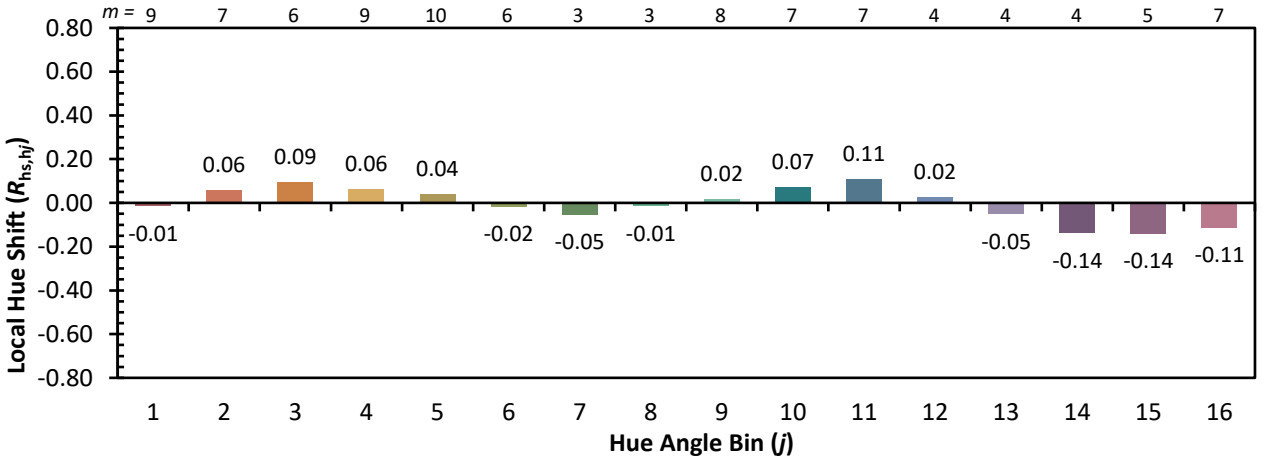


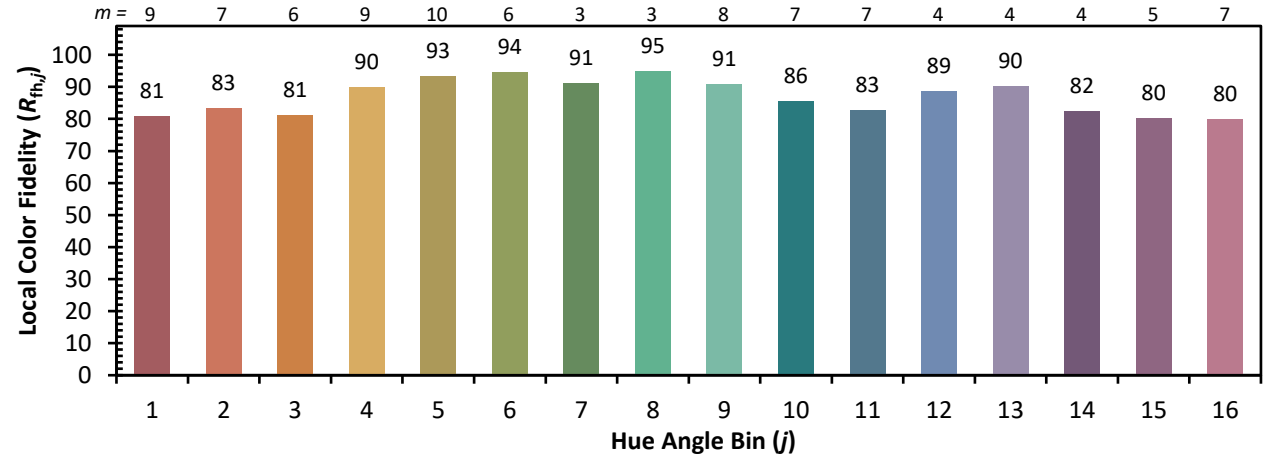
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Color Rendition by Hue-Angle Bin



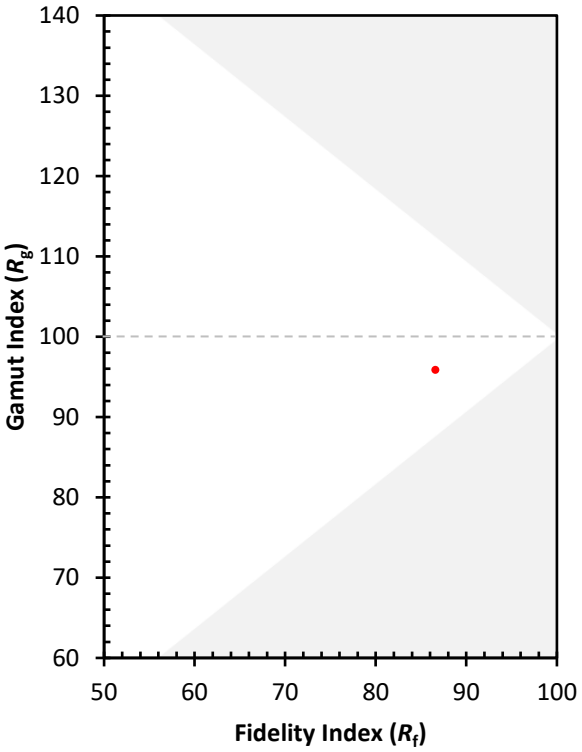


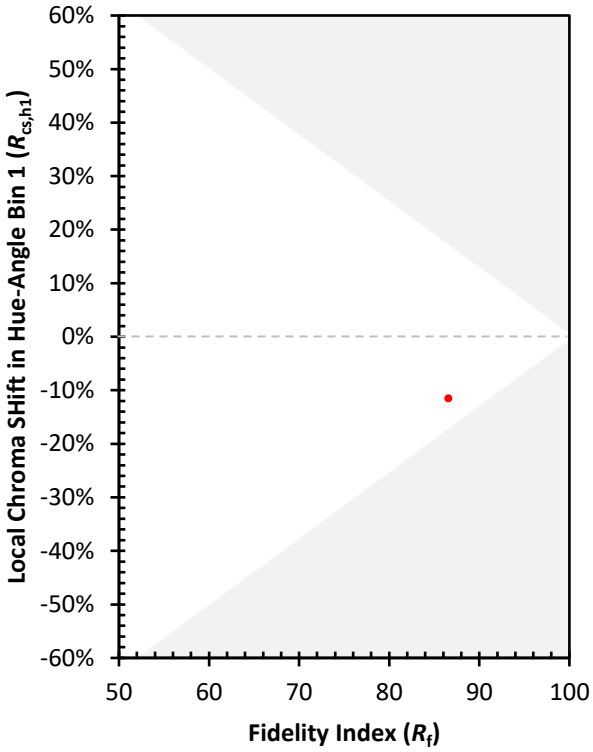


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Measure Comparisons





(END OF REPORT)