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: McGRAW-EDISON

Report Number: P1364194

Luminaire Tested: **GSS-SB1D-730-U-SLR**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364194
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-730-U-SLR
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 70CRI 3000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC
Light Source:	(26) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8823.9 lumens
Efficiency:	N/A
Efficacy:	116.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G2

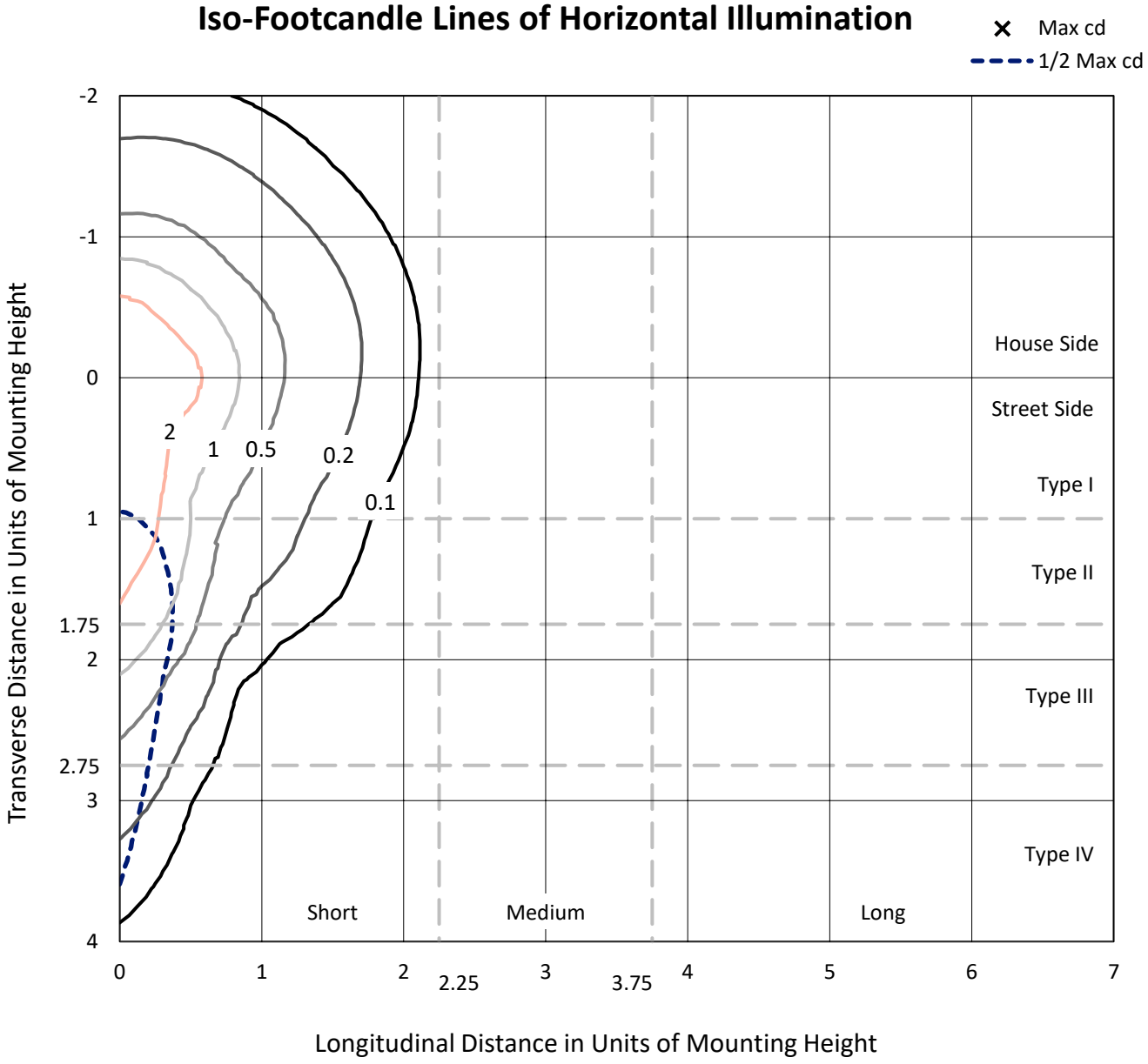
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



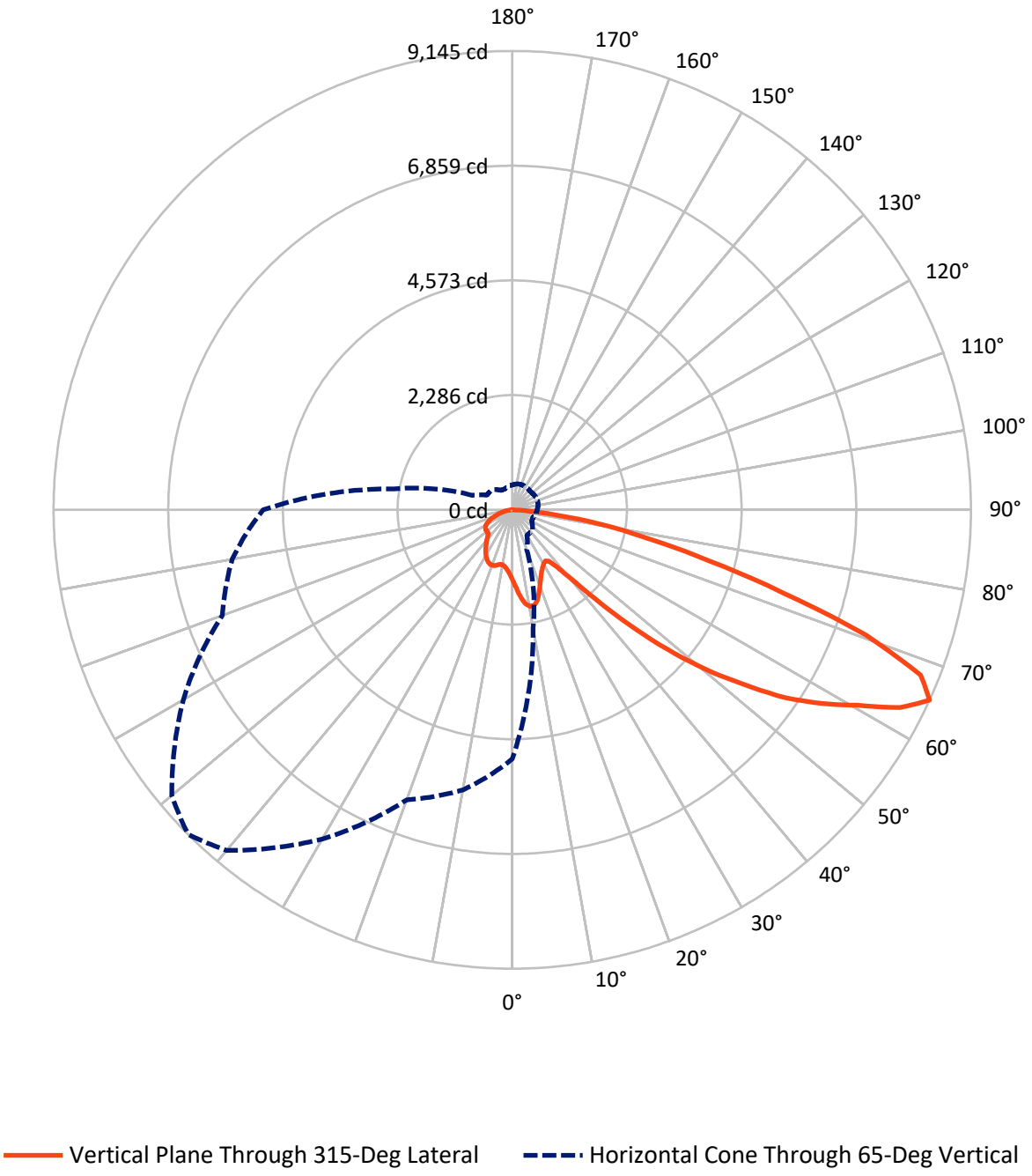
Based on 20 foot mounting height. Maximum calculated value = 4.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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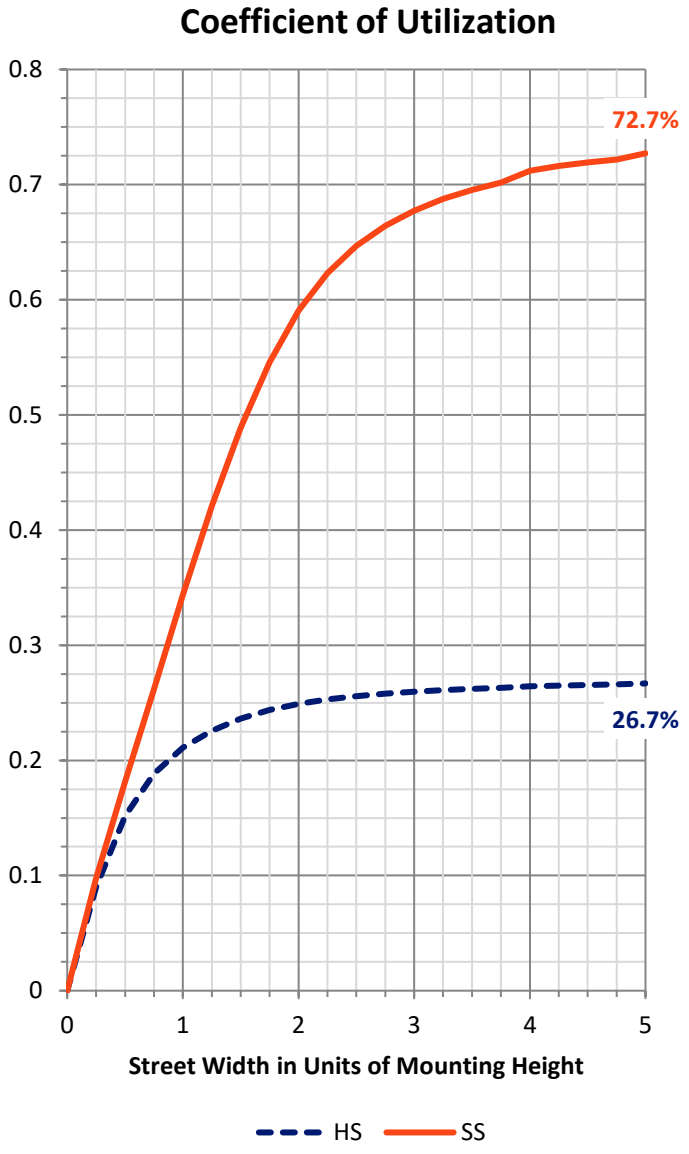
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2373.8	0.0	2373.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	6450.1	0.0	6450.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	8823.9	0.0	8823.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.9	1.6
10°-20°	425.7	4.8
20°-30°	658.9	7.5
30°-40°	817.5	9.3
40°-50°	1195.4	13.5
50°-60°	1872.5	21.2
60°-70°	2221.8	25.2
70°-80°	1295.9	14.7
80°-90°	197.1	2.2
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°	8823.9	100.0
0°-180°	8823.9	100.0



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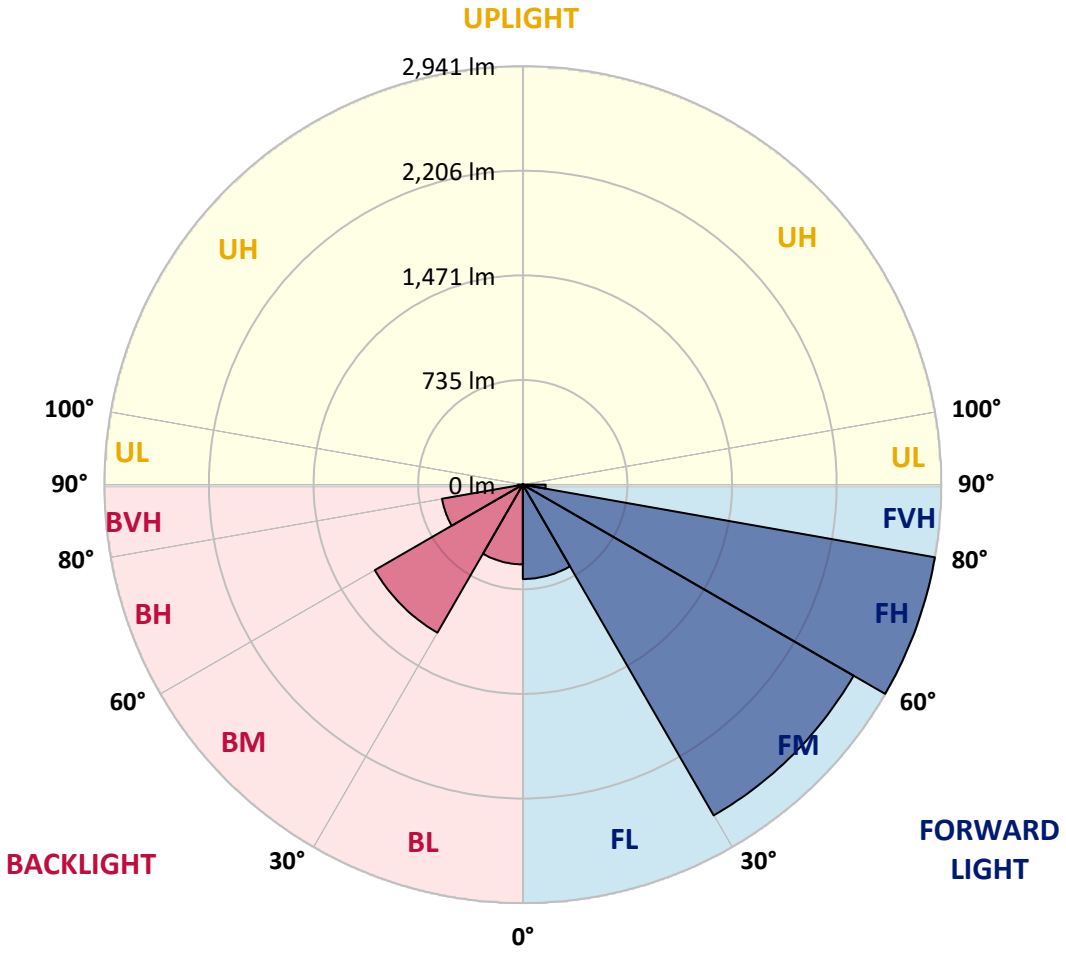
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	663.2	7.5			
FM	(30°-60°)	2684.4	30.4			
FH	(60°-80°)	2941.2	33.3			G2/5000
FVH	(80°-90°)	161.2	1.8			G2/225
BL	(0°-30°)	560.4	6.4	B2/1000		
BM	(30°-60°)	1201.0	13.6	B2/2500		
BH	(60°-80°)	576.5	6.5	B2/1000		G2/1000
BVH	(80°-90°)	35.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0
2.5°	1520.3	1506.5	1492.9	1480.4	1467.8	1455.3	1442.6	1430.5	1418.2	1405.9	1395.1
5°	1623.9	1599.5	1575.3	1549.8	1524.6	1499.8	1475.0	1451.4	1428.1	1403.8	1382.8
7.5°	1728.5	1687.5	1646.5	1607.9	1569.3	1534.7	1500.2	1469.4	1438.3	1405.9	1380.7
10°	1794.3	1745.4	1696.2	1648.2	1600.1	1557.6	1514.9	1479.3	1443.7	1409.1	1382.2
12.5°	1827.8	1779.0	1730.3	1676.5	1622.8	1575.1	1527.4	1488.1	1449.1	1411.3	1385.0
15°	1844.0	1794.6	1745.4	1690.8	1636.2	1584.8	1533.2	1489.0	1444.8	1402.7	1379.4
17.5°	1848.3	1802.1	1756.1	1697.9	1639.6	1580.9	1522.4	1470.9	1419.5	1370.3	1350.4
20°	1862.3	1815.7	1769.1	1706.5	1643.9	1575.1	1506.3	1438.5	1370.7	1305.6	1293.0
22.5°	1877.4	1834.7	1792.2	1723.3	1654.7	1570.6	1486.4	1401.4	1316.4	1238.7	1226.8
25°	1901.2	1864.3	1827.4	1752.3	1677.2	1570.1	1463.1	1357.1	1251.2	1162.1	1161.0
27.5°	1935.7	1907.4	1879.1	1794.6	1710.2	1574.2	1438.3	1311.8	1185.2	1094.1	1099.5
30°	1984.2	1962.0	1940.0	1844.6	1749.0	1583.1	1417.3	1272.3	1127.5	1039.1	1044.9
32.5°	2043.6	2029.8	2016.0	1903.5	1791.1	1593.0	1395.1	1237.8	1080.7	999.1	999.1
35°	2143.9	2126.7	2109.4	1966.1	1823.0	1590.6	1358.4	1198.5	1038.4	975.4	962.0
37.5°	2271.3	2250.7	2230.2	2042.5	1854.8	1583.9	1313.1	1154.9	997.0	947.3	921.9
40°	2459.0	2418.6	2378.1	2129.9	1881.7	1568.8	1255.9	1102.9	949.9	910.7	878.7
42.5°	2722.3	2636.8	2551.1	2226.6	1901.6	1542.7	1183.6	1041.0	898.1	870.7	831.2
45°	3049.2	2912.2	2775.1	2357.8	1940.4	1524.8	1109.2	978.0	847.0	822.2	782.9
47.5°	3362.1	3188.6	3015.1	2492.7	1970.2	1503.9	1037.5	915.4	793.7	765.0	728.3
50°	3724.6	3489.4	3254.2	2610.3	1966.3	1468.3	970.0	859.7	749.2	710.0	673.7
52.5°	4189.7	3816.1	3442.4	2665.9	1889.3	1395.3	901.6	809.7	718.2	667.9	629.0
55°	4745.3	4144.4	3543.4	2651.3	1759.2	1298.7	837.7	767.8	697.5	647.4	601.6
57.5°	5311.8	4419.9	3528.3	2571.2	1614.2	1197.5	780.7	732.4	684.1	642.0	585.9
60°	5736.9	4543.4	3349.6	2379.4	1409.1	1069.5	729.8	695.9	662.1	629.0	572.9
62.5°	5561.1	4269.5	2978.0	2064.9	1151.9	907.2	662.5	643.5	624.7	610.7	557.2
65°	*4967.6*	*3682.6*	*2397.5*	*1619.8*	*842.0*	*713.0*	*583.7*	*579.6*	*575.7*	*571.9*	*527.6*
67.5°	4410.9	3162.7	1914.5	1260.5	606.4	545.1	483.8	495.3	506.7	512.5	482.3
70°	3877.9	2686.9	1495.9	965.9	435.9	414.3	392.7	409.8	426.8	425.1	410.4
72.5°	3328.6	2231.1	1133.4	726.2	318.9	318.5	318.3	331.2	344.2	326.9	336.2
75°	2725.5	1781.4	837.3	538.2	239.1	237.6	236.3	251.6	267.2	274.1	280.1
77.5°	1812.7	1168.7	524.8	347.9	170.9	172.2	173.1	189.9	206.7	226.6	227.7
80°	1063.9	670.0	276.2	192.3	108.3	109.6	110.5	128.2	145.7	173.7	172.6
82.5°	531.9	335.8	139.8	103.4	66.9	67.1	67.3	76.0	84.6	100.3	104.7
85°	120.8	79.8	38.8	32.8	27.0	28.3	29.8	35.4	41.0	49.6	52.2
87.5°	9.7	9.5	9.1	8.8	8.6	9.1	9.7	10.8	11.9	12.9	15.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0
2.5°	1383.5	1372.0	1363.0	1354.1	1346.3	1338.4	1329.1	1319.6	1312.9	1306.0	1301.5
5°	1362.1	1341.8	1325.0	1308.2	1294.3	1280.1	1267.6	1254.9	1244.9	1234.8	1226.6
7.5°	1355.4	1330.4	1308.6	1286.6	1268.0	1249.5	1233.9	1218.2	1203.3	1188.6	1179.1
10°	1355.6	1329.3	1306.9	1284.4	1264.8	1245.1	1224.6	1204.1	1187.7	1171.3	1157.1
12.5°	1363.0	1341.2	1325.4	1309.9	1291.8	1273.6	1249.2	1224.6	1202.4	1180.4	1162.9
15°	1365.1	1350.9	1349.6	1348.3	1342.0	1335.8	1313.1	1290.5	1259.8	1229.0	1203.9
17.5°	1348.5	1346.6	1367.9	1389.3	1401.6	1413.9	1398.1	1382.2	1339.0	1295.9	1258.5
20°	1305.3	1317.4	1359.3	1400.9	1434.2	1467.4	1465.7	1464.2	1407.9	1351.3	1302.3
22.5°	1244.9	1262.8	1317.4	1372.0	1419.9	1467.8	1480.1	1492.2	1437.0	1381.5	1321.1
25°	1180.6	1200.3	1250.8	1301.2	1352.8	1404.4	1427.3	1450.1	1404.6	1359.1	1300.4
27.5°	1118.3	1137.2	1174.8	1212.3	1253.8	1295.2	1320.9	1346.6	1318.7	1290.9	1243.4
30°	1059.6	1074.2	1101.4	1128.6	1156.7	1184.7	1205.2	1225.7	1207.4	1189.0	1154.9
32.5°	1005.4	1011.7	1029.3	1047.0	1068.0	1088.7	1100.1	1111.3	1097.1	1082.9	1060.4
35°	956.8	951.7	963.3	975.0	991.8	1008.8	1017.5	1026.1	1014.2	1002.4	982.3
37.5°	908.1	893.8	899.4	904.6	919.1	933.3	945.6	958.1	949.5	940.9	923.8
40°	858.0	837.3	836.9	836.2	850.0	863.6	879.2	894.5	893.0	891.2	875.1
42.5°	804.9	778.6	775.8	773.0	786.6	800.2	816.6	833.0	836.2	839.4	826.1
45°	755.7	729.0	724.6	720.3	732.0	744.1	762.0	780.1	787.7	795.2	783.1
47.5°	705.2	681.9	679.3	676.5	688.8	701.3	721.2	741.3	749.2	757.4	749.2
50°	654.7	635.5	638.8	642.0	655.6	669.0	684.5	700.3	715.1	729.8	728.3
52.5°	614.8	600.3	610.5	620.4	632.7	645.2	661.4	677.6	693.1	708.9	711.3
55°	585.7	569.7	583.9	598.2	613.1	628.0	643.1	658.2	672.9	687.3	690.5
57.5°	563.4	541.2	555.5	569.7	585.9	602.1	617.2	632.3	649.3	666.4	669.0
60°	544.9	516.8	526.3	535.6	552.2	568.6	584.4	599.9	617.2	634.4	637.9
62.5°	520.5	483.8	485.1	486.0	504.7	523.3	536.3	549.2	565.6	582.2	587.2
65°	*488.1*	*448.9*	*444.5*	*440.2*	*457.9*	*475.8*	*486.0*	*496.3*	*510.6*	*524.8*	*529.8*
67.5°	447.6	412.6	403.8	394.9	411.3	427.7	436.1	444.5	454.3	464.0	469.6
70°	389.7	369.0	363.4	357.8	371.2	384.5	391.9	399.2	407.0	414.8	417.8
72.5°	331.5	326.9	322.8	318.9	329.1	339.2	345.5	351.7	359.1	366.4	368.1
75°	277.5	275.1	272.1	269.3	277.1	284.9	289.6	294.6	302.1	309.7	312.9
77.5°	222.1	216.2	213.2	209.8	216.9	224.0	228.5	233.1	239.3	245.6	246.4
80°	165.7	158.6	156.2	153.6	158.8	164.0	165.7	167.2	172.4	177.4	177.4
82.5°	104.7	104.7	103.2	101.4	100.3	99.3	97.1	95.0	100.1	105.3	107.0
85°	52.7	52.9	50.5	47.9	44.9	41.4	40.8	39.9	39.7	39.3	40.8
87.5°	16.4	17.7	19.0	19.9	21.1	22.0	21.4	20.5	19.6	19.0	17.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0
2.5°	1296.9	1294.8	1292.6	1290.9	1289.4	1288.3	1289.4	1290.9	1292.6	1294.8	1296.9
5°	1218.2	1214.7	1211.0	1208.7	1206.3	1204.1	1206.3	1208.7	1211.0	1214.7	1218.2
7.5°	1169.6	1164.0	1158.4	1154.3	1150.2	1148.0	1150.2	1154.3	1158.4	1164.0	1169.6
10°	1143.3	1135.3	1127.5	1123.2	1118.9	1115.7	1118.9	1123.2	1127.5	1135.3	1143.3
12.5°	1145.4	1135.5	1126.0	1119.5	1113.1	1109.2	1113.1	1119.5	1126.0	1135.5	1145.4
15°	1178.7	1164.9	1150.6	1142.6	1134.7	1128.6	1134.7	1142.6	1150.6	1164.9	1178.7
17.5°	1221.4	1201.1	1180.8	1173.7	1166.4	1163.1	1166.4	1173.7	1180.8	1201.1	1221.4
20°	1253.3	1226.2	1199.4	1188.6	1177.8	1173.9	1177.8	1188.6	1199.4	1226.2	1253.3
22.5°	1260.7	1228.7	1196.6	1186.4	1176.1	1171.8	1176.1	1186.4	1196.6	1228.7	1260.7
25°	1241.9	1208.2	1174.4	1164.0	1153.4	1150.2	1153.4	1164.0	1174.4	1208.2	1241.9
27.5°	1195.9	1166.2	1136.2	1125.2	1113.9	1107.0	1113.9	1125.2	1136.2	1166.2	1195.9
30°	1121.1	1098.8	1076.8	1069.9	1062.8	1059.6	1062.8	1069.9	1076.8	1098.8	1121.1
32.5°	1038.0	1024.2	1010.4	1005.8	1001.3	999.1	1001.3	1005.8	1010.4	1024.2	1038.0
35°	962.4	952.5	942.6	938.9	935.5	932.2	935.5	938.9	942.6	952.5	962.4
37.5°	906.8	895.1	883.0	876.6	870.1	865.3	870.1	876.6	883.0	895.1	906.8
40°	858.9	842.0	825.4	816.6	807.5	802.8	807.5	816.6	825.4	842.0	858.9
42.5°	812.5	793.0	773.6	760.0	746.7	738.0	746.7	760.0	773.6	793.0	812.5
45°	770.8	749.0	727.2	711.0	694.9	684.1	694.9	711.0	727.2	749.0	770.8
47.5°	741.3	722.5	703.5	689.3	675.0	664.7	675.0	689.3	703.5	722.5	741.3
50°	726.8	711.9	697.0	683.6	670.0	660.3	670.0	683.6	697.0	711.9	726.8
52.5°	713.9	703.1	692.3	680.6	669.0	660.3	669.0	680.6	692.3	703.1	713.9
55°	693.8	686.0	678.0	669.4	660.8	653.9	660.8	669.4	678.0	686.0	693.8
57.5°	671.6	663.4	654.9	648.5	642.0	638.8	642.0	648.5	654.9	663.4	671.6
60°	641.3	634.9	628.4	622.4	616.1	610.7	616.1	622.4	628.4	634.9	641.3
62.5°	592.4	589.3	586.5	579.6	572.9	565.4	572.9	579.6	586.5	589.3	592.4
65°	*534.7*	*533.2*	*531.9*	*527.0*	*522.2*	*513.6*	*522.2*	*527.0*	*531.9*	*533.2*	*534.7*
67.5°	475.2	472.4	469.4	464.2	459.2	457.5	459.2	464.2	469.4	472.4	475.2
70°	420.8	416.5	412.2	400.5	388.9	375.5	388.9	400.5	412.2	416.5	420.8
72.5°	370.1	363.4	356.5	342.9	329.1	315.1	329.1	342.9	356.5	363.4	370.1
75°	316.1	306.6	297.4	282.9	268.7	259.0	268.7	282.9	297.4	306.6	316.1
77.5°	247.7	239.5	231.3	222.7	214.1	209.3	214.1	222.7	231.3	239.5	247.7
80°	177.4	171.3	165.1	160.8	156.5	153.2	156.5	160.8	165.1	171.3	177.4
82.5°	109.0	106.2	103.6	98.8	93.9	90.6	93.9	98.8	103.6	106.2	109.0
85°	42.1	41.4	41.0	39.3	37.8	36.7	37.8	39.3	41.0	41.4	42.1
87.5°	15.5	14.2	12.9	12.1	11.2	10.8	11.2	12.1	12.9	14.2	15.5
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0
2.5°	1301.5	1306.0	1312.9	1319.6	1329.1	1338.4	1346.3	1354.1	1363.0	1372.0	1383.5
5°	1226.6	1234.8	1244.9	1254.9	1267.6	1280.1	1294.3	1308.2	1325.0	1341.8	1362.1
7.5°	1179.1	1188.6	1203.3	1218.2	1233.9	1249.5	1268.0	1286.6	1308.6	1330.4	1355.4
10°	1157.1	1171.3	1187.7	1204.1	1224.6	1245.1	1264.8	1284.4	1306.9	1329.3	1355.6
12.5°	1162.9	1180.4	1202.4	1224.6	1249.2	1273.6	1291.8	1309.9	1325.4	1341.2	1363.0
15°	1203.9	1229.0	1259.8	1290.5	1313.1	1335.8	1342.0	1348.3	1349.6	1350.9	1365.1
17.5°	1258.5	1295.9	1339.0	1382.2	1398.1	1413.9	1401.6	1389.3	1367.9	1346.6	1348.5
20°	1302.3	1351.3	1407.9	1464.2	1465.7	1467.4	1434.2	1400.9	1359.3	1317.4	1305.3
22.5°	1321.1	1381.5	1437.0	1492.2	1480.1	1467.8	1419.9	1372.0	1317.4	1262.8	1244.9
25°	1300.4	1359.1	1404.6	1450.1	1427.3	1404.4	1352.8	1301.2	1250.8	1200.3	1180.6
27.5°	1243.4	1290.9	1318.7	1346.6	1320.9	1295.2	1253.8	1212.3	1174.8	1137.2	1118.3
30°	1154.9	1189.0	1207.4	1225.7	1205.2	1184.7	1156.7	1128.6	1101.4	1074.2	1059.6
32.5°	1060.4	1082.9	1097.1	1111.3	1100.1	1088.7	1068.0	1047.0	1029.3	1011.7	1005.4
35°	982.3	1002.4	1014.2	1026.1	1017.5	1008.8	991.8	975.0	963.3	951.7	956.8
37.5°	923.8	940.9	949.5	958.1	945.6	933.3	919.1	904.6	899.4	893.8	908.1
40°	875.1	891.2	893.0	894.5	879.2	863.6	850.0	836.2	836.9	837.3	858.0
42.5°	826.1	839.4	836.2	833.0	816.6	800.2	786.6	773.0	775.8	778.6	804.9
45°	783.1	795.2	787.7	780.1	762.0	744.1	732.0	720.3	724.6	729.0	755.7
47.5°	749.2	757.4	749.2	741.3	721.2	701.3	688.8	676.5	679.3	681.9	705.2
50°	728.3	729.8	715.1	700.3	684.5	669.0	655.6	642.0	638.8	635.5	654.7
52.5°	711.3	708.9	693.1	677.6	661.4	645.2	632.7	620.4	610.5	600.3	614.8
55°	690.5	687.3	672.9	658.2	643.1	628.0	613.1	598.2	583.9	569.7	585.7
57.5°	669.0	666.4	649.3	632.3	617.2	602.1	585.9	569.7	555.5	541.2	563.4
60°	637.9	634.4	617.2	599.9	584.4	568.6	552.2	535.6	526.3	516.8	544.9
62.5°	587.2	582.2	565.6	549.2	536.3	523.3	504.7	486.0	485.1	483.8	520.5
65°	*529.8*	*524.8*	*510.6*	*496.3*	*486.0*	*475.8*	*457.9*	*440.2*	*444.5*	*448.9*	*488.1*
67.5°	469.6	464.0	454.3	444.5	436.1	427.7	411.3	394.9	403.8	412.6	447.6
70°	417.8	414.8	407.0	399.2	391.9	384.5	371.2	357.8	363.4	369.0	389.7
72.5°	368.1	366.4	359.1	351.7	345.5	339.2	329.1	318.9	322.8	326.9	331.5
75°	312.9	309.7	302.1	294.6	289.6	284.9	277.1	269.3	272.1	275.1	277.5
77.5°	246.4	245.6	239.3	233.1	228.5	224.0	216.9	209.8	213.2	216.2	222.1
80°	177.4	177.4	172.4	167.2	165.7	164.0	158.8	153.6	156.2	158.6	165.7
82.5°	107.0	105.3	100.1	95.0	97.1	99.3	100.3	101.4	103.2	104.7	104.7
85°	40.8	39.3	39.7	39.9	40.8	41.4	44.9	47.9	50.5	52.9	52.7
87.5°	17.3	19.0	19.6	20.5	21.4	22.0	21.1	19.9	19.0	17.7	16.4
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0
2.5°	1395.1	1405.9	1418.2	1430.5	1442.6	1455.3	1467.8	1480.4	1492.9	1506.5	1520.3
5°	1382.8	1403.8	1428.1	1451.4	1475.0	1499.8	1524.6	1549.8	1575.3	1599.5	1623.9
7.5°	1380.7	1405.9	1438.3	1469.4	1500.2	1534.7	1569.3	1607.9	1646.5	1687.5	1728.5
10°	1382.2	1409.1	1443.7	1479.3	1514.9	1557.6	1600.1	1648.2	1696.2	1745.4	1794.3
12.5°	1385.0	1411.3	1449.1	1488.1	1527.4	1575.1	1622.8	1676.5	1730.3	1779.0	1827.8
15°	1379.4	1402.7	1444.8	1489.0	1533.2	1584.8	1636.2	1690.8	1745.4	1794.6	1844.0
17.5°	1350.4	1370.3	1419.5	1470.9	1522.4	1580.9	1639.6	1697.9	1756.1	1802.1	1848.3
20°	1293.0	1305.6	1370.7	1438.5	1506.3	1575.1	1643.9	1706.5	1769.1	1815.7	1862.3
22.5°	1226.8	1238.7	1316.4	1401.4	1486.4	1570.6	1654.7	1723.3	1792.2	1834.7	1877.4
25°	1161.0	1162.1	1251.2	1357.1	1463.1	1570.1	1677.2	1752.3	1827.4	1864.3	1901.2
27.5°	1099.5	1094.1	1185.2	1311.8	1438.3	1574.2	1710.2	1794.6	1879.1	1907.4	1935.7
30°	1044.9	1039.1	1127.5	1272.3	1417.3	1583.1	1749.0	1844.6	1940.0	1962.0	1984.2
32.5°	999.1	999.1	1080.7	1237.8	1395.1	1593.0	1791.1	1903.5	2016.0	2029.8	2043.6
35°	962.0	975.4	1038.4	1198.5	1358.4	1590.6	1823.0	1966.1	2109.4	2126.7	2143.9
37.5°	921.9	947.3	997.0	1154.9	1313.1	1583.9	1854.8	2042.5	2230.2	2250.7	2271.3
40°	878.7	910.7	949.9	1102.9	1255.9	1568.8	1881.7	2129.9	2378.1	2418.6	2459.0
42.5°	831.2	870.7	898.1	1041.0	1183.6	1542.7	1901.6	2226.6	2551.1	2636.8	2722.3
45°	782.9	822.2	847.0	978.0	1109.2	1524.8	1940.4	2357.8	2775.1	2912.2	3049.2
47.5°	728.3	765.0	793.7	915.4	1037.5	1503.9	1970.2	2492.7	3015.1	3188.6	3362.1
50°	673.7	710.0	749.2	859.7	970.0	1468.3	1966.3	2610.3	3254.2	3489.4	3724.6
52.5°	629.0	667.9	718.2	809.7	901.6	1395.3	1889.3	2665.9	3442.4	3816.1	4189.7
55°	601.6	647.4	697.5	767.8	837.7	1298.7	1759.2	2651.3	3543.4	4144.4	4745.3
57.5°	585.9	642.0	684.1	732.4	780.7	1197.5	1614.2	2571.2	3528.3	4419.9	5311.8
60°	572.9	629.0	662.1	695.9	729.8	1069.5	1409.1	2379.4	3349.6	4543.4	5736.9
62.5°	557.2	610.7	624.7	643.5	662.5	907.2	1151.9	2064.9	2978.0	4269.5	5561.1
65°	*527.6*	*571.9*	*575.7*	*579.6*	*583.7*	*713.0*	*842.0*	*1619.8*	*2397.5*	*3682.6*	*4967.6*
67.5°	482.3	512.5	506.7	495.3	483.8	545.1	606.4	1260.5	1914.5	3162.7	4410.9
70°	410.4	425.1	426.8	409.8	392.7	414.3	435.9	965.9	1495.9	2686.9	3877.9
72.5°	336.2	326.9	344.2	331.2	318.3	318.5	318.9	726.2	1133.4	2231.1	3328.6
75°	280.1	274.1	267.2	251.6	236.3	237.6	239.1	538.2	837.3	1781.4	2725.5
77.5°	227.7	226.6	206.7	189.9	173.1	172.2	170.9	347.9	524.8	1168.7	1812.7
80°	172.6	173.7	145.7	128.2	110.5	109.6	108.3	192.3	276.2	670.0	1063.9
82.5°	104.7	100.3	84.6	76.0	67.3	67.1	66.9	103.4	139.8	335.8	531.9
85°	52.2	49.6	41.0	35.4	29.8	28.3	27.0	32.8	38.8	79.8	120.8
87.5°	15.1	12.9	11.9	10.8	9.7	9.1	8.6	8.8	9.1	9.5	9.7
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	*1407.0*	1407.0	1407.0
2.5°	1525.7	1531.1	1536.9	1542.9	1546.4	1549.8	1553.5	1557.0	*1560.2*	1557.0	1553.5
5°	1648.2	1672.4	1688.8	1705.2	1717.7	1730.3	1737.4	1744.7	*1745.8*	1744.7	1737.4
7.5°	1757.4	1786.4	1811.4	1836.4	1852.4	1868.4	1877.6	1887.1	*1890.4*	1887.1	1877.6
10°	1828.2	1862.3	1886.5	1910.9	1925.8	1940.4	1947.8	1955.1	*1957.3*	1955.1	1947.8
12.5°	1860.4	1893.0	1911.7	1930.3	1939.8	1949.1	1952.5	1955.5	*1953.0*	1955.5	1952.5
15°	1863.2	1882.2	1890.2	1897.9	1893.4	1888.6	1882.0	1875.3	*1870.9*	1875.3	1882.0
17.5°	1855.0	1861.9	1847.4	1833.2	1807.3	1781.4	1762.0	1742.6	*1728.5*	1742.6	1762.0
20°	1851.5	1840.7	1802.3	1764.1	1715.6	1667.0	1634.4	1601.6	*1581.8*	1601.6	1634.4
22.5°	1847.0	1816.6	1752.0	1687.5	1621.1	1554.8	1517.3	1479.9	*1458.8*	1479.9	1517.3
25°	1848.9	1796.5	1709.3	1622.4	1544.2	1466.3	1425.5	1385.0	*1361.7*	1385.0	1425.5
27.5°	1855.8	1776.0	1668.1	1560.2	1475.6	1390.8	1352.0	1313.1	*1292.6*	1313.1	1352.0
30°	1878.3	1772.1	1643.1	1513.8	1425.3	1336.9	1298.9	1260.7	*1238.7*	1260.7	1298.9
32.5°	1909.8	1776.0	1631.4	1486.8	1396.6	1306.6	1270.2	1233.9	*1214.9*	1233.9	1270.2
35°	1974.5	1805.1	1644.8	1484.7	1400.9	1317.4	1290.7	1264.1	*1253.8*	1264.1	1290.7
37.5°	2073.4	1875.3	1710.2	1545.1	1488.1	1431.2	1431.2	1431.2	*1439.4*	1431.2	1431.2
40°	2236.7	2014.5	1858.2	1702.2	1698.7	1695.7	1732.0	1768.4	*1784.6*	1768.4	1732.0
42.5°	2487.3	2252.5	2126.5	2000.4	2076.0	2151.5	2256.4	2361.2	*2429.9*	2361.2	2256.4
45°	2820.5	2591.7	2503.7	2415.8	2583.9	2751.8	2937.2	3122.6	*3254.2*	3122.6	2937.2
47.5°	3169.6	2976.9	2926.6	2876.6	3156.0	3435.5	3707.2	3978.8	*4139.0*	3978.8	3707.2
50°	3551.6	3378.3	3368.6	3358.9	3731.1	4103.4	4454.0	4804.7	*5000.0*	4804.7	4454.0
52.5°	3999.6	3809.2	3817.0	3824.3	4266.5	4708.7	5132.7	5556.7	*5776.9*	5556.7	5132.7
55°	4506.9	4268.4	4267.1	4265.9	4773.8	5282.2	5803.2	6324.5	*6618.5*	6324.5	5803.2
57.5°	5088.5	4865.1	4812.0	4758.7	5290.0	5821.1	6396.4	6971.9	*7280.9*	6971.9	6396.4
60°	5613.9	5490.9	5405.9	5321.1	5866.6	6412.4	7006.7	7600.8	*7908.9*	7600.8	7006.7
62.5°	5781.0	6000.8	5994.6	5988.3	6577.2	7166.1	7784.2	8402.7	*8679.3*	8402.7	7784.2
65°	*5318.3*	*5669.0*	*5910.2*	*6151.3*	*6863.2*	*7574.9*	*8218.8*	*8862.7*	*9145.4*	*8862.7*	*8218.8*
67.5°	4719.9	5029.1	5226.6	5424.0	6226.1	7028.5	7759.2	8489.8	*8780.7*	8489.8	7759.2
70°	4220.1	4562.4	4703.5	4844.6	5526.1	6207.4	6785.5	7363.4	*7477.3*	7363.4	6785.5
72.5°	3735.6	4142.8	4202.6	4262.4	4758.3	5254.2	5562.1	5870.1	*5621.5*	5870.1	5562.1
75°	3184.7	3643.7	3683.6	3723.6	3878.1	4032.8	4111.1	4189.7	*4048.3*	4189.7	4111.1
77.5°	2210.2	2607.9	2697.4	2787.0	2889.9	2993.1	2987.7	2982.3	*2783.8*	2982.3	2987.7
80°	1374.8	1685.8	1697.4	1709.1	1786.4	1863.4	1942.2	2020.9	*1894.7*	2020.9	1942.2
82.5°	702.6	873.5	899.9	926.2	973.5	1020.7	1042.7	1065.0	*958.1*	1065.0	1042.7
85°	165.3	209.8	252.7	295.6	345.3	394.9	389.3	383.7	*323.7*	383.7	389.3
87.5°	9.9	10.4	10.6	10.8	11.0	11.2	11.9	12.5	*12.9*	12.5	11.9
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):

	330°	335°	340°	345°	350°	355°	360°
0°	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0	1407.0
2.5°	1549.8	1546.4	1542.9	1536.9	1531.1	1525.7	1520.3
5°	1730.3	1717.7	1705.2	1688.8	1672.4	1648.2	1623.9
7.5°	1868.4	1852.4	1836.4	1811.4	1786.4	1757.4	1728.5
10°	1940.4	1925.8	1910.9	1886.5	1862.3	1828.2	1794.3
12.5°	1949.1	1939.8	1930.3	1911.7	1893.0	1860.4	1827.8
15°	1888.6	1893.4	1897.9	1890.2	1882.2	1863.2	1844.0
17.5°	1781.4	1807.3	1833.2	1847.4	1861.9	1855.0	1848.3
20°	1667.0	1715.6	1764.1	1802.3	1840.7	1851.5	1862.3
22.5°	1554.8	1621.1	1687.5	1752.0	1816.6	1847.0	1877.4
25°	1466.3	1544.2	1622.4	1709.3	1796.5	1848.9	1901.2
27.5°	1390.8	1475.6	1560.2	1668.1	1776.0	1855.8	1935.7
30°	1336.9	1425.3	1513.8	1643.1	1772.1	1878.3	1984.2
32.5°	1306.6	1396.6	1486.8	1631.4	1776.0	1909.8	2043.6
35°	1317.4	1400.9	1484.7	1644.8	1805.1	1974.5	2143.9
37.5°	1431.2	1488.1	1545.1	1710.2	1875.3	2073.4	2271.3
40°	1695.7	1698.7	1702.2	1858.2	2014.5	2236.7	2459.0
42.5°	2151.5	2076.0	2000.4	2126.5	2252.5	2487.3	2722.3
45°	2751.8	2583.9	2415.8	2503.7	2591.7	2820.5	3049.2
47.5°	3435.5	3156.0	2876.6	2926.6	2976.9	3169.6	3362.1
50°	4103.4	3731.1	3358.9	3368.6	3378.3	3551.6	3724.6
52.5°	4708.7	4266.5	3824.3	3817.0	3809.2	3999.6	4189.7
55°	5282.2	4773.8	4265.9	4267.1	4268.4	4506.9	4745.3
57.5°	5821.1	5290.0	4758.7	4812.0	4865.1	5088.5	5311.8
60°	6412.4	5866.6	5321.1	5405.9	5490.9	5613.9	5736.9
62.5°	7166.1	6577.2	5988.3	5994.6	6000.8	5781.0	5561.1
65°	*7574.9*	*6863.2*	*6151.3*	*5910.2*	*5669.0*	*5318.3*	*4967.6*
67.5°	7028.5	6226.1	5424.0	5226.6	5029.1	4719.9	4410.9
70°	6207.4	5526.1	4844.6	4703.5	4562.4	4220.1	3877.9
72.5°	5254.2	4758.3	4262.4	4202.6	4142.8	3735.6	3328.6
75°	4032.8	3878.1	3723.6	3683.6	3643.7	3184.7	2725.5
77.5°	2993.1	2889.9	2787.0	2697.4	2607.9	2210.2	1812.7
80°	1863.4	1786.4	1709.1	1697.4	1685.8	1374.8	1063.9
82.5°	1020.7	973.5	926.2	899.9	873.5	702.6	531.9
85°	394.9	345.3	295.6	252.7	209.8	165.3	120.8
87.5°	11.2	11.0	10.8	10.6	10.4	9.9	9.7
90°	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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

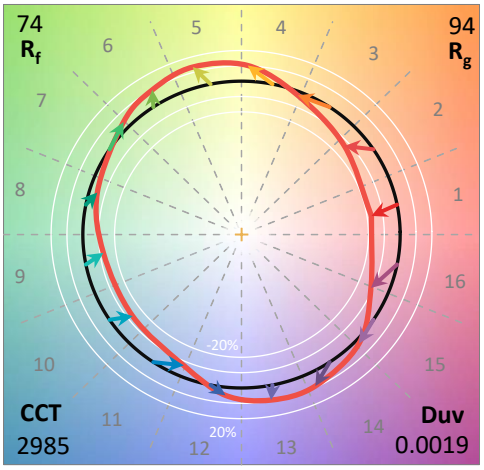
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



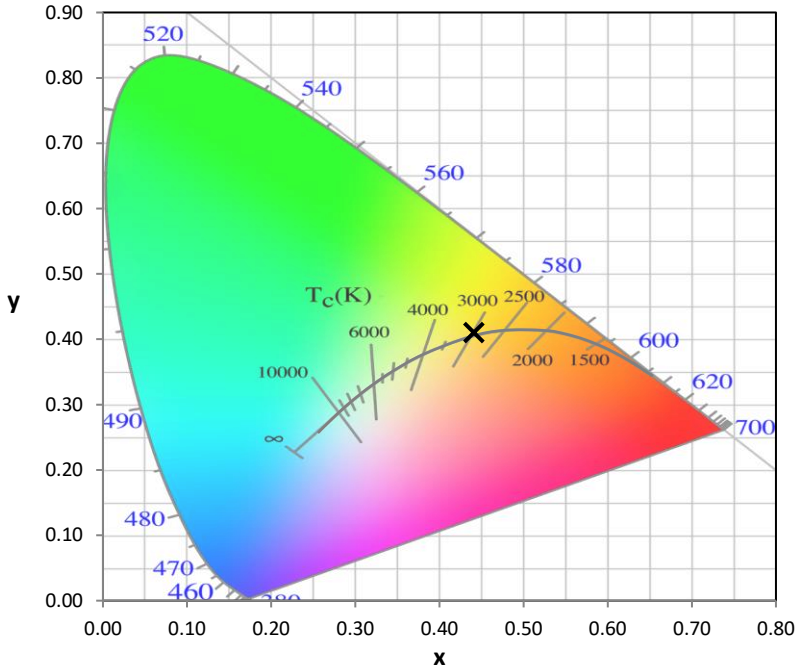
Test Conditions

Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

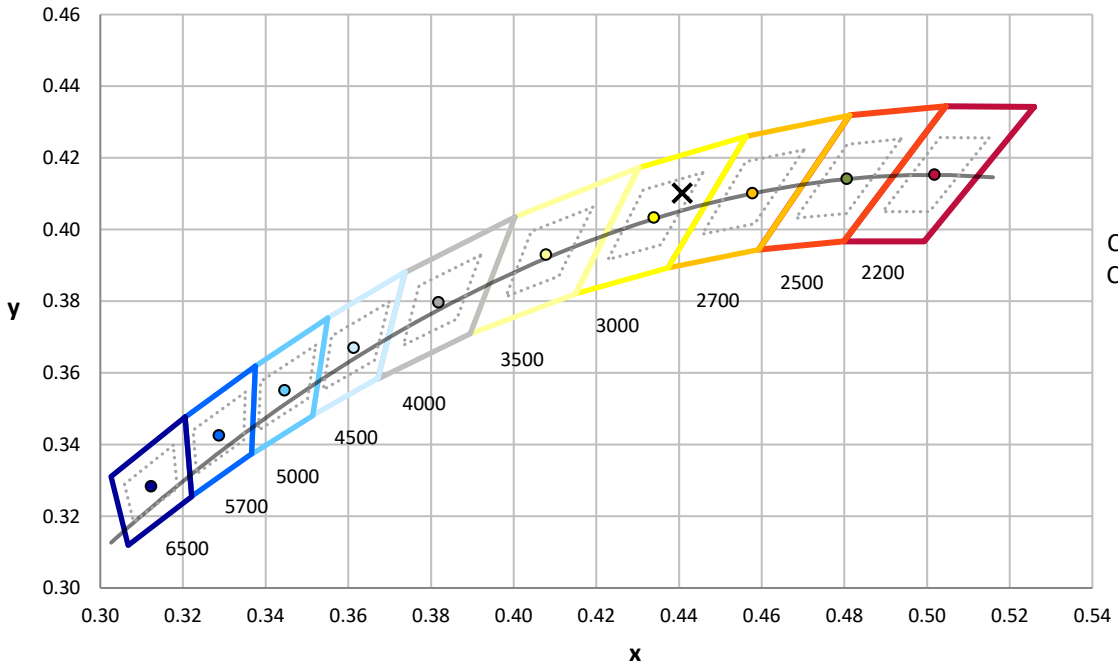
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

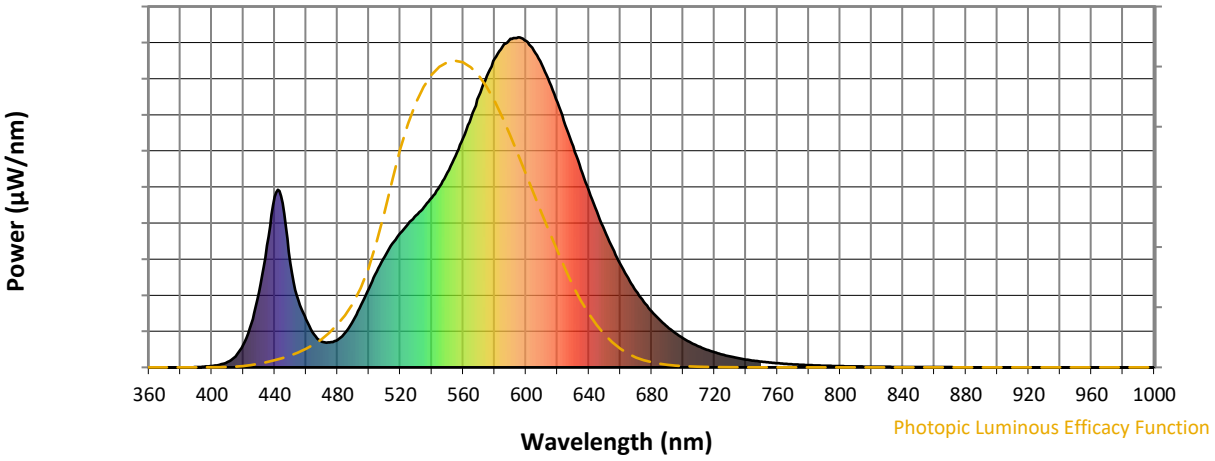


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

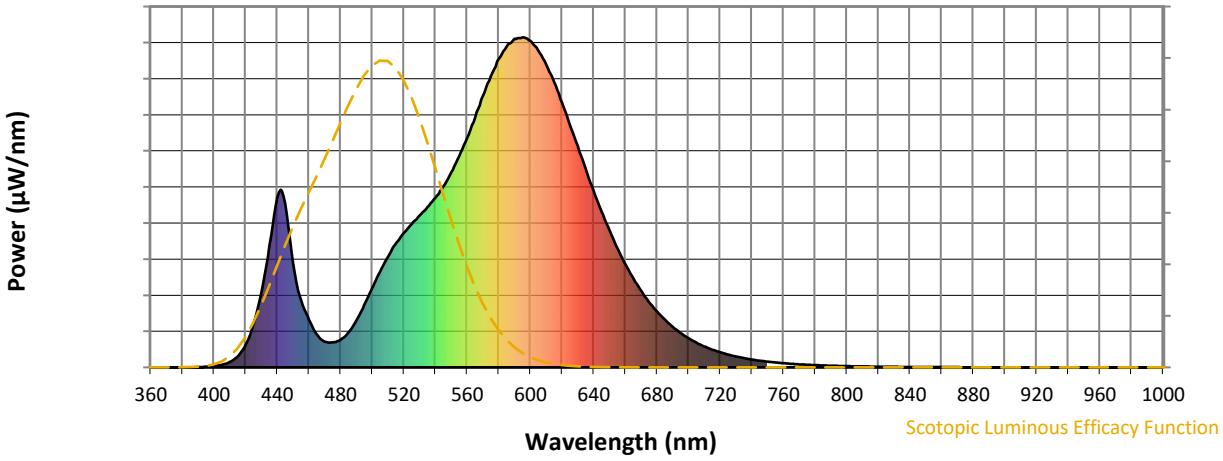


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

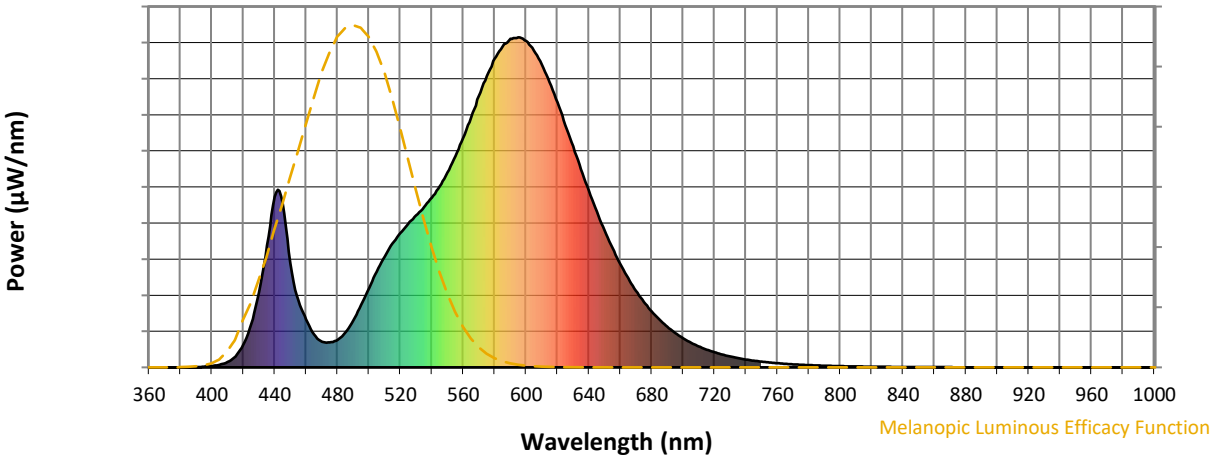


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

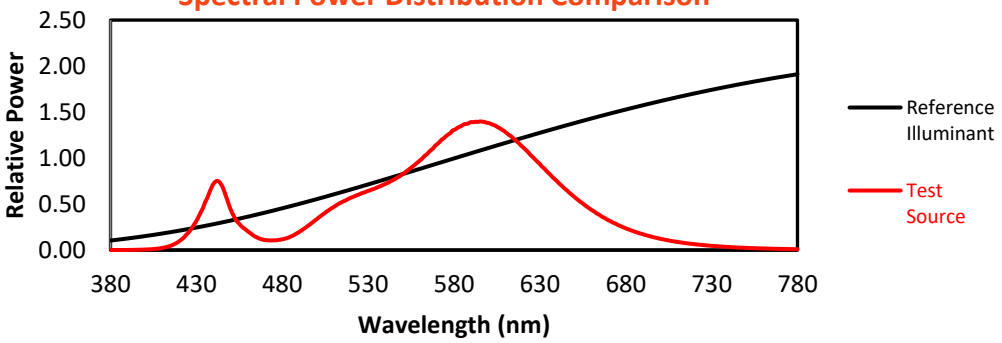
REPORT NUMBER: SP1-2407-184-4

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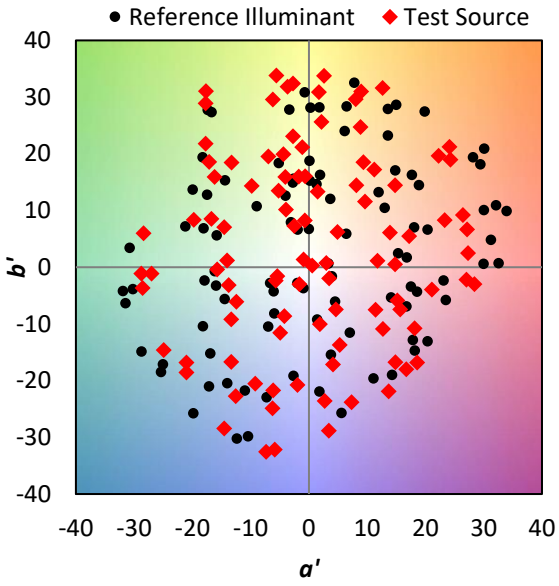
Summary

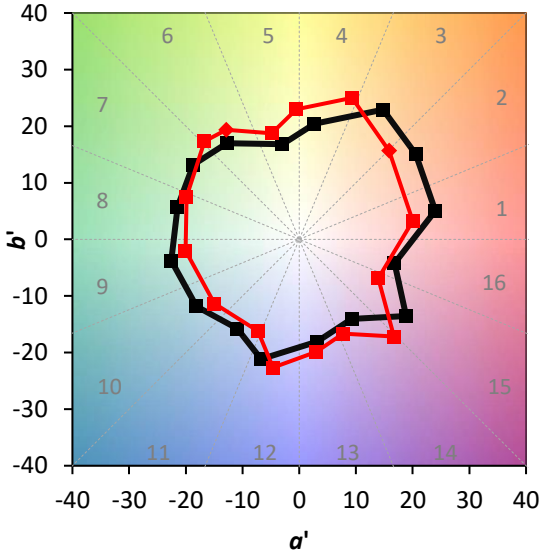
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

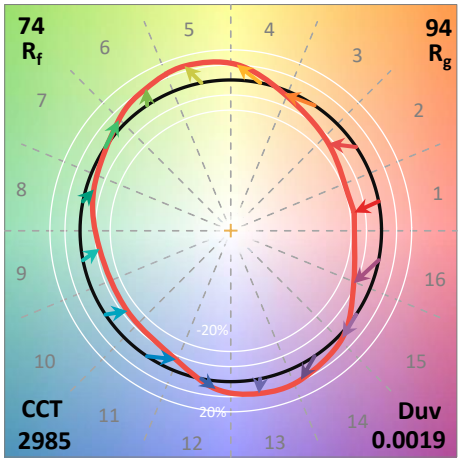
Spectral Power Distribution Comparison

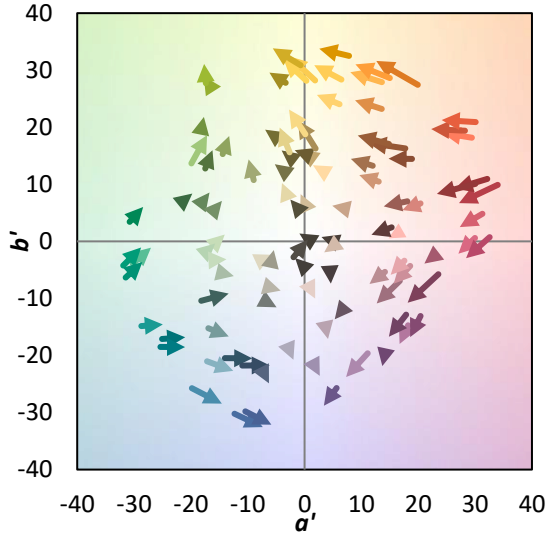


Color Vector Graphics







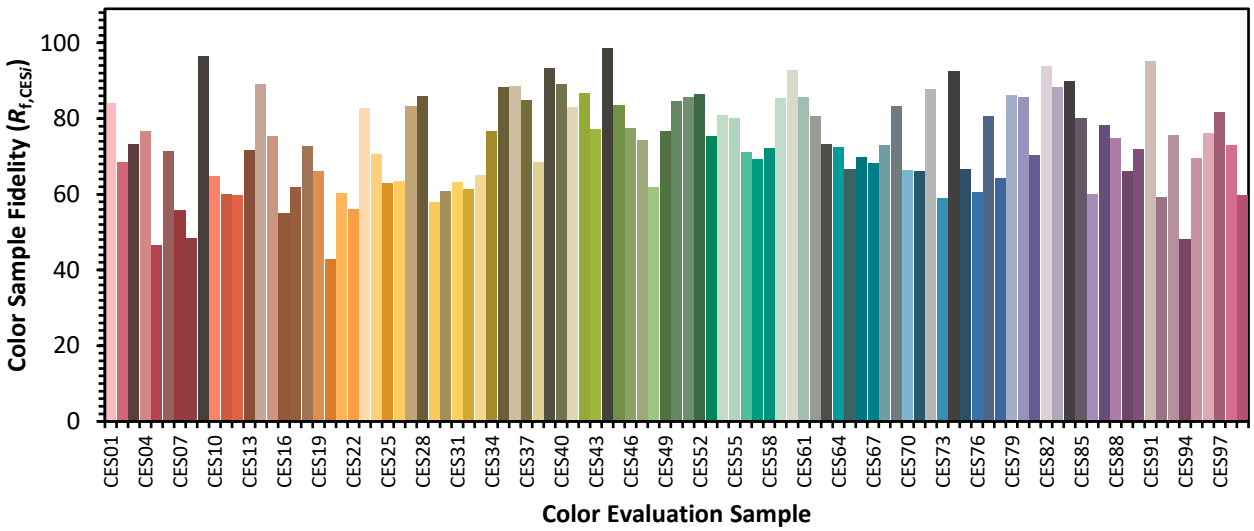


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Individual Sample Fidelity Index ($R_{f,i}$)

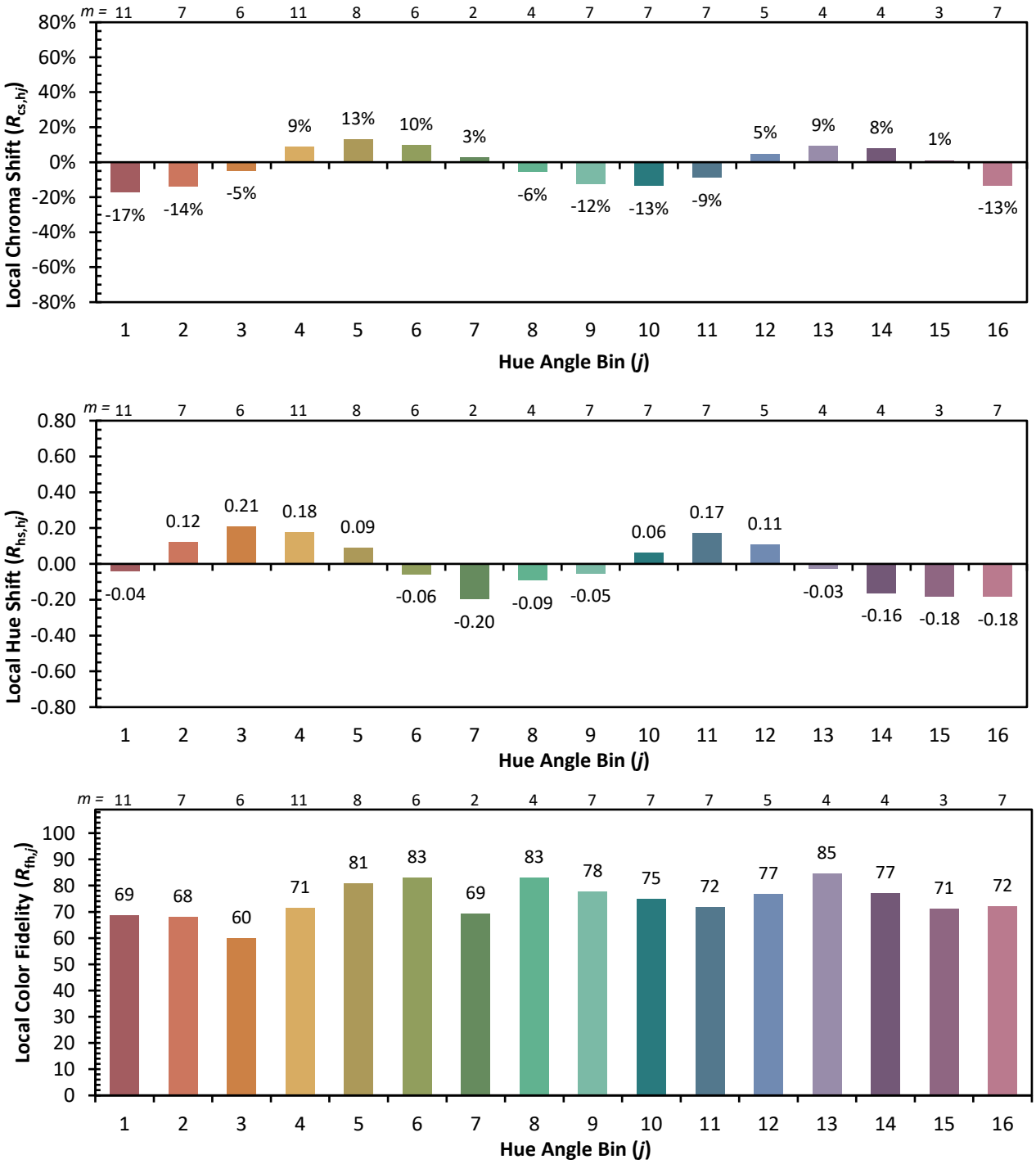
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



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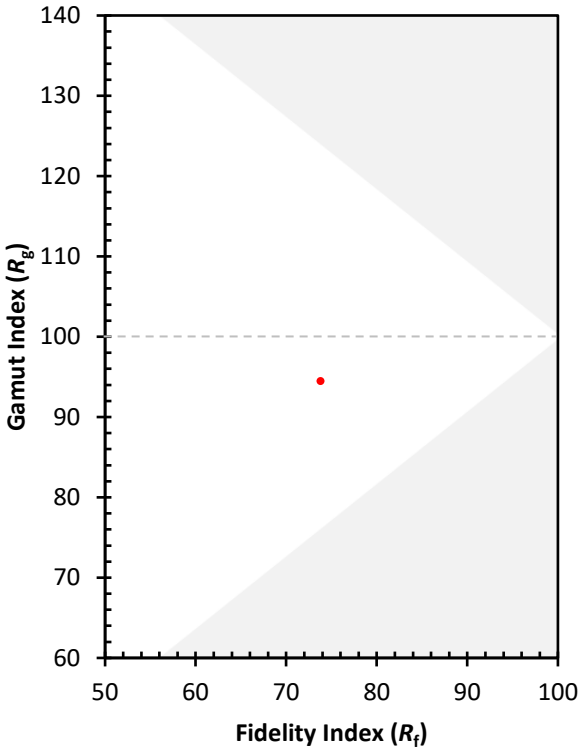
Color Rendition by Hue-Angle Bin

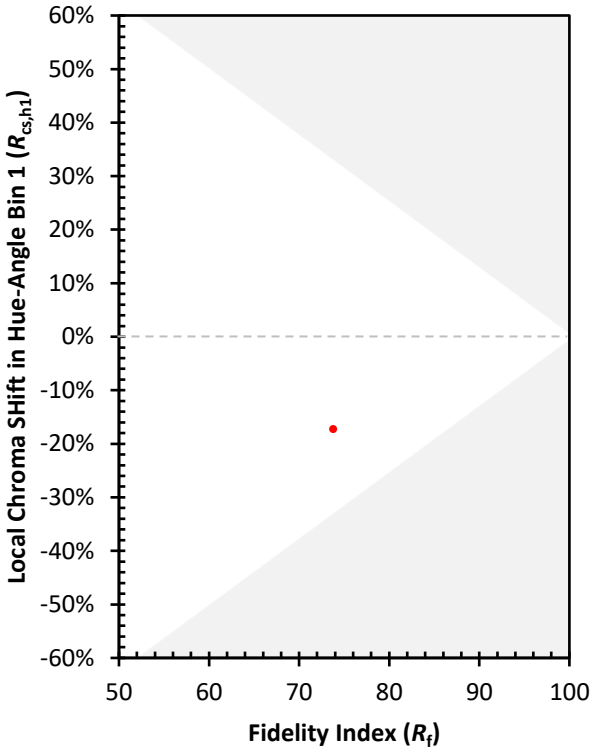


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Measure Comparisons





(END OF REPORT)