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: P1203093

Luminaire Tested: GWC-SB2B-827-U-SLL

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203093
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-827-U-SLL
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOF
	LEFT OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9755 lumens
Efficiency:	N/A
Efficacy:	132.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

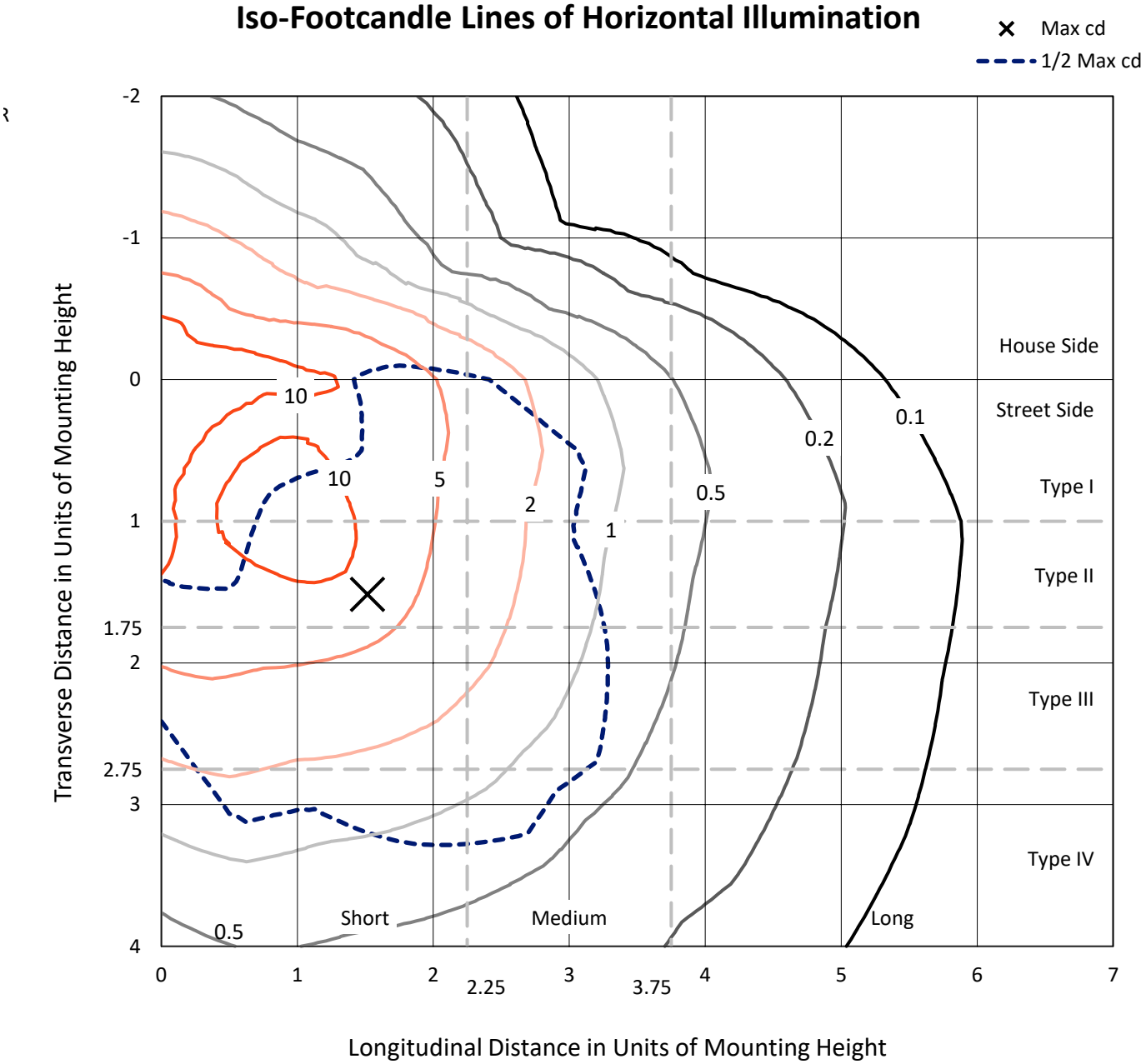


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REPORT NUMBER: P1203093
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Iso-Footcandle Lines of Horizontal Illumination



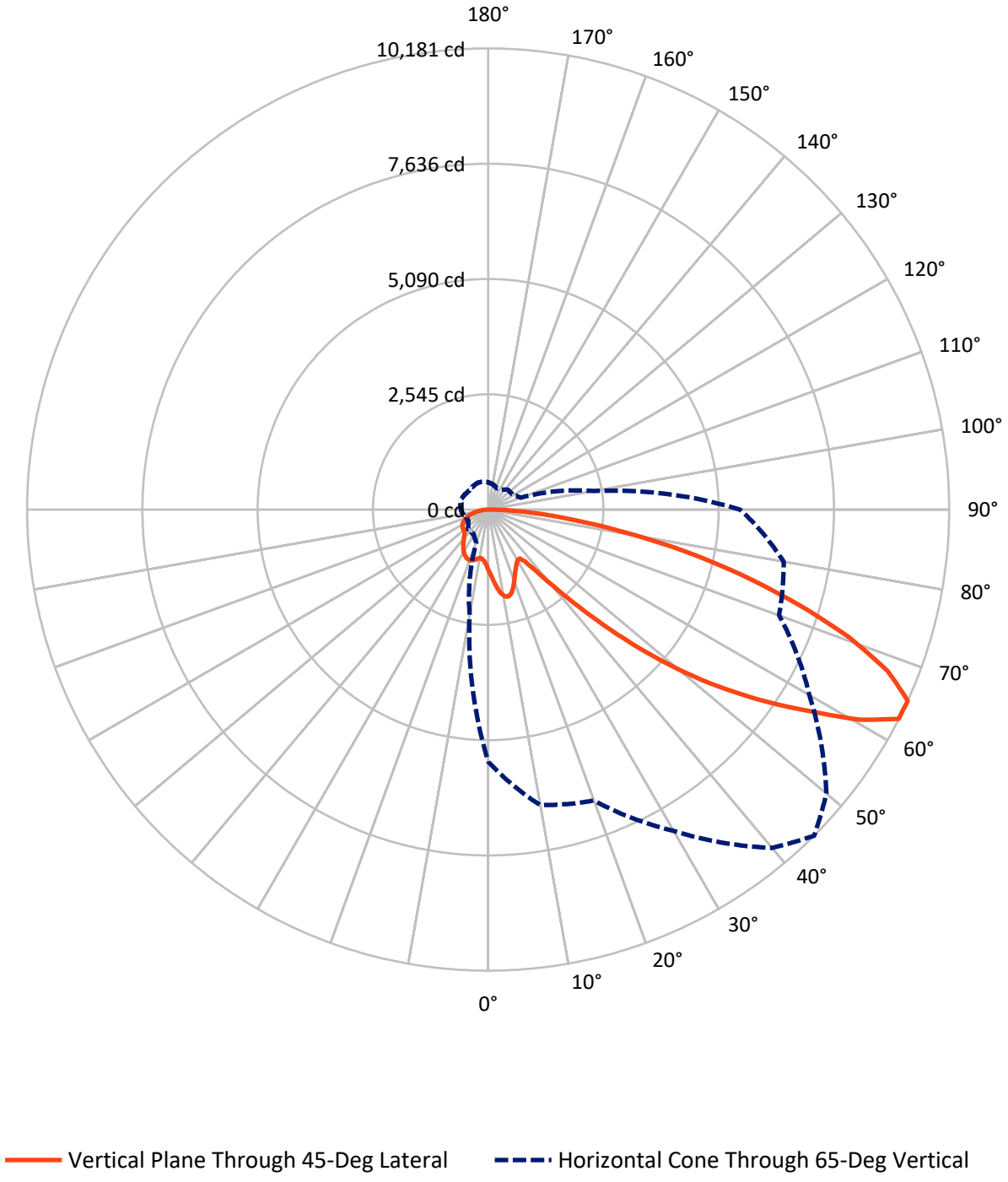
Based on 10 foot mounting height. Maximum calculated value = 18.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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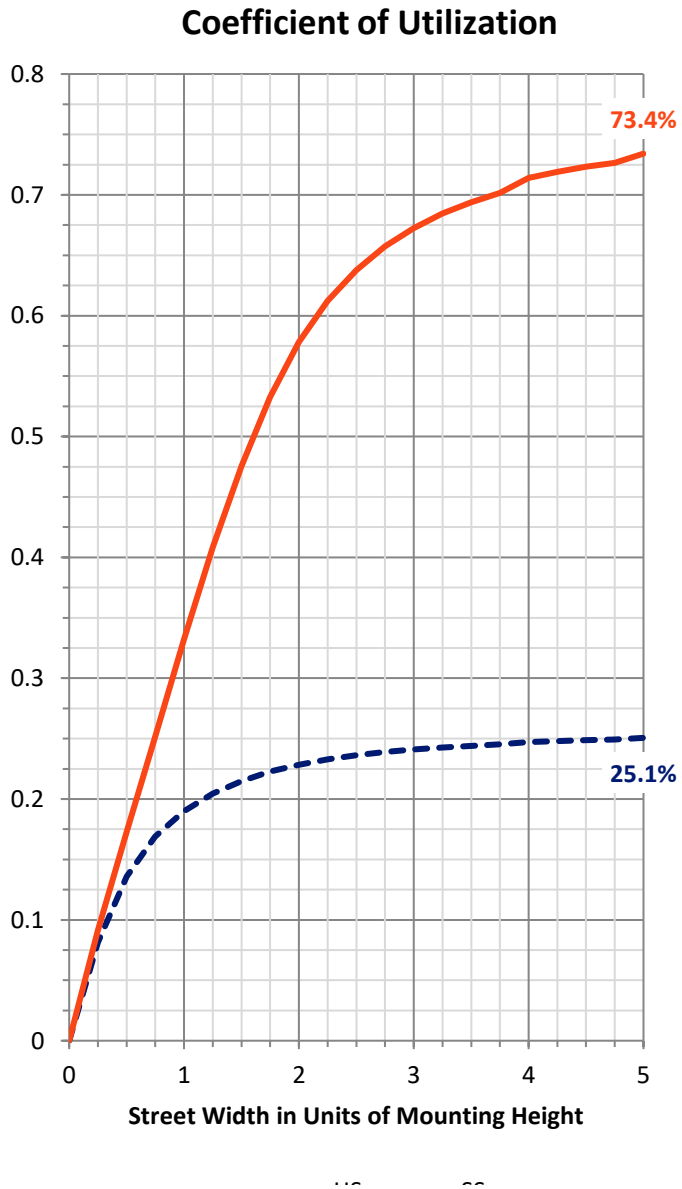
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2479.2	0.0	2479.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	7275.8	0.0	7275.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	9755.0	0.0	9755.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.1	1.4
10°-20°	417.7	4.3
20°-30°	645.2	6.6
30°-40°	817.7	8.4
40°-50°	1233.3	12.6
50°-60°	1992.5	20.4
60°-70°	2484.0	25.5
70°-80°	1628.9	16.7
80°-90°	402.7	4.1
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°	9755.0	100.0
0°-180°	9755.0	100.0



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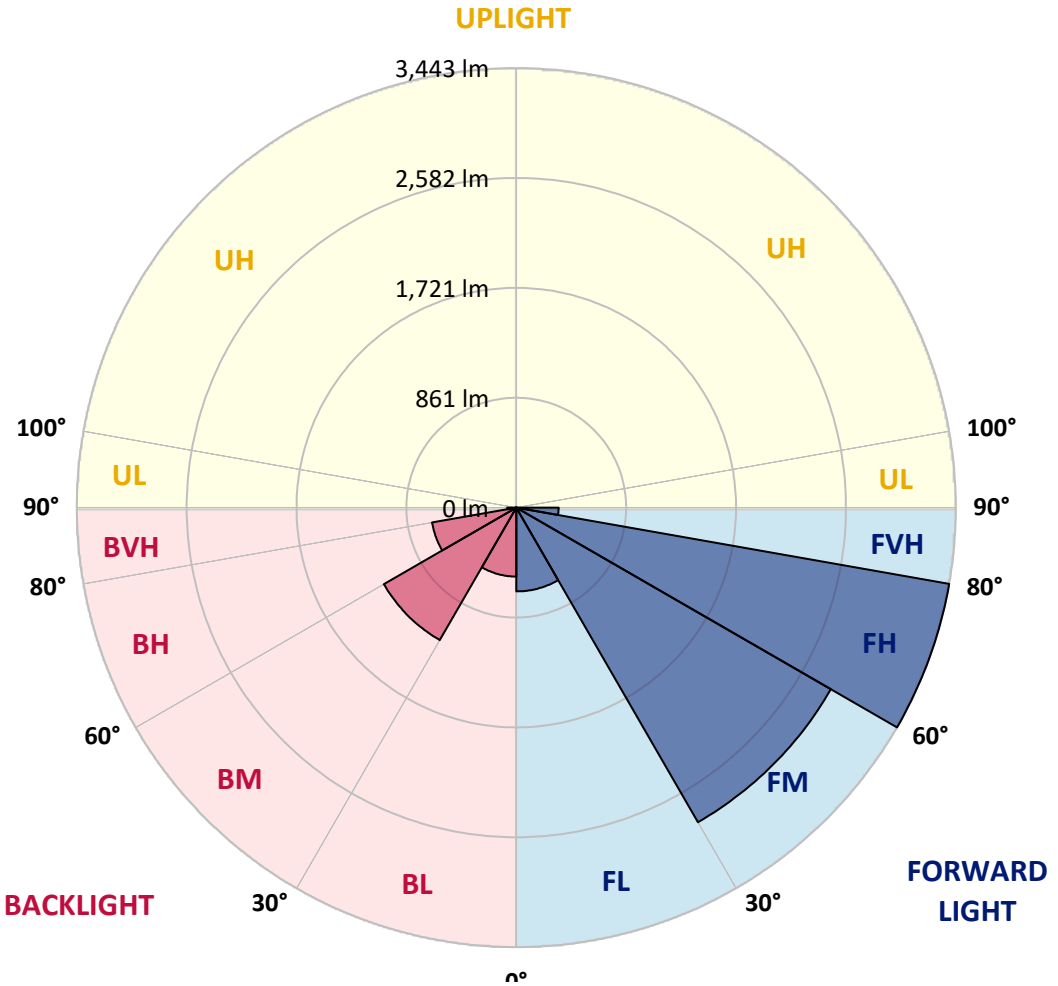
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	656.1	6.7			
FM	(30°-60°)	2845.3	29.2			
FH	(60°-80°)	3442.6	35.3			G2/5000
FVH	(80°-90°)	331.7	3.4			G3/500
BL	(0°-30°)	539.9	5.5	B2/1000		
BM	(30°-60°)	1198.1	12.3	B2/2500		
BH	(60°-80°)	670.3	6.9	B2/1000		G2/1000
BVH	(80°-90°)	71.0	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	*1341.4*	1341.4
2.5°	1442.5	1448.0	1453.5	1461.3	1469.1	1473.7	1478.3	1480.6	1482.9	*1481.9*	1482.9
5°	1551.2	1570.2	1589.4	1608.3	1627.3	1637.6	1647.9	1654.1	1660.4	*1665.2*	1660.4
7.5°	1660.3	1691.4	1722.4	1750.4	1778.3	1795.1	1812.0	1821.1	1830.1	*1834.5*	1830.1
10°	1743.9	1780.7	1817.4	1850.2	1883.0	1902.9	1922.6	1931.5	1940.3	*1943.6*	1940.3
12.5°	1795.1	1835.0	1874.8	1904.4	1934.0	1948.4	1962.8	1967.6	1972.5	*1973.0*	1972.5
15°	1826.3	1860.7	1895.0	1913.6	1932.2	1932.7	1933.2	1928.1	1922.9	*1916.9*	1922.9
17.5°	1843.8	1867.0	1890.2	1890.6	1890.9	1870.0	1849.2	1830.1	1810.9	*1797.5*	1810.9
20°	1863.1	1871.2	1879.3	1854.8	1830.4	1784.4	1738.4	1704.9	1671.3	*1650.8*	1671.3
22.5°	1885.5	1874.9	1864.3	1813.6	1763.0	1695.3	1627.6	1585.7	1543.8	*1521.0*	1543.8
25°	1914.3	1880.8	1847.4	1770.5	1693.6	1611.4	1529.2	1485.1	1441.2	*1419.6*	1441.2
27.5°	1953.4	1893.6	1833.7	1731.9	1630.1	1539.0	1447.8	1404.5	1361.2	*1340.9*	1361.2
30°	2006.2	1917.0	1827.8	1702.4	1577.0	1482.1	1387.2	1347.0	1306.8	*1287.9*	1306.8
32.5°	2068.5	1946.3	1824.2	1682.4	1540.5	1451.3	1362.1	1330.5	1298.9	*1285.3*	1298.9
35°	2144.1	1994.6	1845.2	1697.4	1549.6	1487.6	1425.7	1418.3	1411.0	*1409.9*	1411.0
37.5°	2271.5	2095.7	1919.9	1785.5	1651.2	1647.1	1643.1	1676.8	1710.5	*1728.0*	1710.5
40°	2464.0	2272.8	2081.6	1981.7	1881.8	1952.3	2022.8	2104.6	2186.5	*2227.3*	2186.5
42.5°	2719.3	2529.6	2339.9	2282.3	2224.8	2378.6	2532.4	2681.2	2830.1	*2917.5*	2830.1
45°	3034.6	2864.2	2693.7	2668.3	2642.9	2889.3	3135.8	3380.4	3625.0	*3773.5*	3625.0
47.5°	3428.9	3263.1	3097.3	3092.1	3087.0	3442.4	3797.8	4155.9	4514.0	*4724.2*	4514.0
50°	3945.7	3740.9	3536.1	3537.0	3537.9	3996.0	4454.1	4926.8	5399.5	*5685.2*	5399.5
52.5°	4538.9	4290.9	4043.0	4017.9	3992.8	4540.0	5087.2	5672.1	6256.8	*6599.4*	6256.8
55°	5170.5	4925.5	4680.5	4582.7	4485.0	5094.0	5703.0	6400.2	7097.4	*7504.8*	7097.4
57.5°	5744.9	5611.5	5478.1	5282.0	5086.0	5700.9	6315.9	7105.6	7895.2	*8400.5*	7895.2
60°	6092.1	6299.4	6506.6	6263.2	6019.7	6601.7	7183.6	8029.1	8874.6	*9420.7*	8874.6
62.5°	5915.8	6482.1	7048.4	7020.9	6993.4	7526.5	8059.7	8864.1	9668.5	*10173.2*	9668.5
65°	*5563.0*	*6094.4*	*6625.9*	*6731.1*	*6836.2*	*7513.7*	*8191.2*	*8971.2*	*9751.2*	*10180.9*	*9751.2*
67.5°	5090.2	5595.7	6101.1	6150.5	6199.7	6905.6	7611.5	8394.8	9178.2	*9514.9*	9178.2
70°	4522.2	5072.0	5621.8	5643.9	5665.9	6297.2	6928.4	7602.6	8276.7	*8463.8*	8276.7
72.5°	3845.3	4476.2	5107.2	5123.0	5138.8	5632.7	6126.6	6631.5	7136.4	*7155.3*	7136.4
75°	2989.1	3642.1	4295.0	4353.7	4412.3	4796.5	5180.8	5536.2	5891.6	*5796.4*	5891.6
77.5°	2135.6	2745.2	3354.8	3438.7	3522.6	3814.7	4106.8	4358.9	4611.0	*4447.3*	4611.0
80°	1397.8	1910.6	2423.4	2527.7	2631.9	2852.6	3073.1	3205.5	3337.8	*3074.5*	3337.8
82.5°	812.5	1163.1	1513.7	1630.2	1746.7	1898.6	2050.4	2105.7	2160.9	*1953.9*	2160.9
85°	357.5	543.6	729.6	828.7	927.8	1052.6	1177.3	1208.6	1240.0	*1074.2*	1240.0
87.5°	110.7	173.2	235.7	291.0	346.3	408.7	471.1	473.8	476.4	*399.9*	476.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1480.6	1478.3	1473.7	1469.1	1461.3	1453.5	1448.0	1442.5	1431.5	1420.4	1408.6
5°	1654.1	1647.9	1637.6	1627.3	1608.3	1589.4	1570.2	1551.2	1526.7	1502.3	1477.9
7.5°	1821.1	1812.0	1795.1	1778.3	1750.4	1722.4	1691.4	1660.3	1619.9	1579.6	1542.3
10°	1931.5	1922.6	1902.9	1883.0	1850.2	1817.4	1780.7	1743.9	1692.9	1641.9	1592.6
12.5°	1967.6	1962.8	1948.4	1934.0	1904.4	1874.8	1835.0	1795.1	1739.1	1683.1	1627.3
15°	1928.1	1933.2	1932.7	1932.2	1913.6	1895.0	1860.7	1826.3	1767.9	1709.4	1648.9
17.5°	1830.1	1849.2	1870.0	1890.9	1890.6	1890.2	1867.0	1843.8	1784.5	1725.3	1659.2
20°	1704.9	1738.4	1784.4	1830.4	1854.8	1879.3	1871.2	1863.1	1801.5	1739.9	1667.3
22.5°	1585.7	1627.6	1695.3	1763.0	1813.6	1864.3	1874.9	1885.5	1822.6	1759.6	1678.2
25°	1485.1	1529.2	1611.4	1693.6	1770.5	1847.4	1880.8	1914.3	1852.6	1791.0	1698.0
27.5°	1404.5	1447.8	1539.0	1630.1	1731.9	1833.7	1893.6	1953.4	1894.6	1835.8	1728.9
30°	1347.0	1387.2	1482.1	1577.0	1702.4	1827.8	1917.0	2006.2	1949.3	1892.6	1768.9
32.5°	1330.5	1362.1	1451.3	1540.5	1682.4	1824.2	1946.3	2068.5	2012.2	1956.0	1810.6
35°	1418.3	1425.7	1487.6	1549.6	1697.4	1845.2	1994.6	2144.1	2090.3	2036.4	1858.2
37.5°	1676.8	1643.1	1647.1	1651.2	1785.5	1919.9	2095.7	2271.5	2202.9	2134.2	1911.5
40°	2104.6	2022.8	1952.3	1881.8	1981.7	2081.6	2272.8	2464.0	2364.0	2263.9	1979.1
42.5°	2681.2	2532.4	2378.6	2224.8	2282.3	2339.9	2529.6	2719.3	2574.9	2430.5	2067.6
45°	3380.4	3135.8	2889.3	2642.9	2668.3	2693.7	2864.2	3034.6	2839.8	2645.0	2184.0
47.5°	4155.9	3797.8	3442.4	3087.0	3092.1	3097.3	3263.1	3428.9	3154.7	2880.5	2308.1
50°	4926.8	4454.1	3996.0	3537.9	3537.0	3536.1	3740.9	3945.7	3532.3	3118.9	2423.2
52.5°	5672.1	5087.2	4540.0	3992.8	4017.9	4043.0	4290.9	4538.9	3929.0	3319.0	2497.9
55°	6400.2	5703.0	5094.0	4485.0	4582.7	4680.5	4925.5	5170.5	4280.6	3390.8	2481.4
57.5°	7105.6	6315.9	5700.9	5086.0	5282.0	5478.1	5611.5	5744.9	4529.9	3314.8	2365.5
60°	8029.1	7183.6	6601.7	6019.7	6263.2	6506.6	6299.4	6092.1	4592.1	3092.1	2149.8
62.5°	8864.1	8059.7	7526.5	6993.4	7020.9	7048.4	6482.1	5915.8	4329.9	2743.9	1858.1
65°	*8971.2*	*8191.2*	*7513.7*	*6836.2*	*6731.1*	*6625.9*	*6094.4*	*5563.0*	*3958.8*	*2354.7*	*1560.5*
67.5°	8394.8	7611.5	6905.6	6199.7	6150.5	6101.1	5595.7	5090.2	3517.2	1944.3	1268.9
70°	7602.6	6928.4	6297.2	5665.9	5643.9	5621.8	5072.0	4522.2	3035.4	1548.6	999.1
72.5°	6631.5	6126.6	5632.7	5138.8	5123.0	5107.2	4476.2	3845.3	2513.0	1180.8	763.8
75°	5536.2	5180.8	4796.5	4412.3	4353.7	4295.0	3642.1	2989.1	1914.2	839.4	554.4
77.5°	4358.9	4106.8	3814.7	3522.6	3438.7	3354.8	2745.2	2135.6	1339.8	544.0	375.7
80°	3205.5	3073.1	2852.6	2631.9	2527.7	2423.4	1910.6	1397.8	863.2	328.7	242.0
82.5°	2105.7	2050.4	1898.6	1746.7	1630.2	1513.7	1163.1	812.5	499.6	186.7	148.9
85°	1208.6	1177.3	1052.6	927.8	828.7	729.6	543.6	357.5	224.7	92.0	79.6
87.5°	473.8	471.1	408.7	346.3	291.0	235.7	173.2	110.7	73.6	36.5	33.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1396.9	1385.0	1373.2	1361.9	1350.6	1339.6	1327.4	1317.5	1307.7	1298.8	1289.9
5°	1453.5	1429.0	1404.5	1381.5	1358.6	1337.0	1315.7	1297.0	1278.3	1262.7	1247.1
7.5°	1505.1	1468.8	1432.5	1400.5	1368.6	1339.1	1311.4	1286.6	1261.9	1241.3	1220.7
10°	1543.4	1499.4	1455.3	1417.5	1379.6	1343.2	1313.5	1287.3	1261.2	1240.6	1220.0
12.5°	1571.5	1519.5	1467.5	1424.7	1382.0	1343.7	1316.1	1294.7	1273.3	1259.7	1246.1
15°	1588.4	1528.5	1468.6	1419.1	1369.6	1327.2	1305.1	1294.9	1284.7	1286.5	1288.4
17.5°	1593.2	1523.7	1454.2	1394.7	1335.1	1285.3	1271.7	1275.4	1279.1	1301.6	1324.0
20°	1594.7	1510.5	1426.3	1352.5	1278.7	1220.7	1217.1	1234.6	1252.1	1291.1	1330.1
22.5°	1596.8	1494.4	1391.9	1303.0	1214.2	1148.1	1155.2	1181.1	1206.9	1251.4	1296.0
25°	1604.9	1478.4	1351.9	1247.8	1143.7	1076.1	1095.1	1125.0	1154.8	1194.8	1234.8
27.5°	1621.9	1467.8	1313.6	1197.3	1081.0	1019.4	1042.6	1071.4	1100.2	1133.1	1166.0
30°	1645.2	1462.8	1280.2	1155.1	1030.0	978.3	996.4	1019.3	1042.2	1069.5	1096.8
32.5°	1665.3	1456.6	1247.8	1118.7	989.6	947.9	956.0	969.5	983.0	1004.8	1026.6
35°	1680.0	1445.0	1210.0	1082.9	955.9	921.1	917.8	921.5	925.2	941.9	958.4
37.5°	1688.7	1425.0	1161.3	1040.8	920.3	890.0	877.7	873.6	869.5	881.4	893.3
40°	1694.2	1397.6	1101.0	990.6	880.2	852.7	833.9	824.6	815.2	823.8	832.4
42.5°	1704.7	1369.3	1034.0	935.2	836.3	811.0	787.3	774.9	762.6	769.6	776.6
45°	1723.1	1343.0	963.0	876.3	789.6	763.9	741.0	728.9	716.9	722.8	728.8
47.5°	1735.7	1321.3	906.9	829.7	752.5	719.3	699.6	689.5	679.4	685.0	690.5
50°	1727.4	1297.6	867.7	798.8	729.8	686.1	663.2	654.3	645.4	654.0	662.7
52.5°	1676.7	1257.6	838.5	778.4	718.3	668.1	636.1	627.3	618.5	631.5	644.4
55°	1572.0	1191.3	810.6	763.6	716.6	669.9	621.7	607.7	593.7	612.2	630.7
57.5°	1416.3	1097.8	779.3	746.1	712.9	671.7	613.0	592.7	572.3	592.1	612.0
60°	1207.5	976.5	745.4	719.3	693.2	666.1	604.9	578.5	552.1	569.5	586.9
62.5°	972.2	831.2	690.2	672.8	655.5	652.2	595.4	562.4	529.4	540.5	551.5
65°	*766.3*	*700.5*	*634.7*	*626.5*	*618.3*	*618.7*	*575.5*	*540.4*	*505.2*	*509.5*	*513.7*
67.5°	593.6	574.9	556.2	560.8	565.3	564.1	539.9	510.6	481.4	480.0	478.7
70°	449.6	455.0	460.3	481.5	502.6	502.6	494.7	473.9	453.1	448.4	443.8
72.5°	346.8	362.9	379.1	409.2	439.2	444.2	444.3	430.1	415.8	409.0	402.3
75°	269.3	283.9	298.5	332.2	365.9	389.1	387.2	376.2	365.2	358.7	352.2
77.5°	207.3	217.3	227.3	259.9	292.6	331.0	329.9	321.1	312.3	305.8	299.2
80°	155.4	159.6	163.7	191.4	219.0	264.8	264.7	257.3	249.9	244.4	238.8
82.5°	111.1	111.8	112.6	133.0	153.4	192.5	194.7	191.1	187.5	183.6	179.6
85°	67.2	66.8	66.4	81.3	96.3	125.3	128.2	124.3	120.4	116.1	111.7
87.5°	29.4	29.1	28.7	34.8	40.9	53.0	56.6	55.1	53.5	52.7	51.9
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: P1203093
CATALOG NUMBER: GWC-SB2B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1282.2	1274.4	1266.6	1258.8	1252.8	1246.7	1241.8	1236.9	1233.1	1229.3	1225.8
5°	1233.3	1219.5	1207.0	1194.4	1184.8	1175.1	1168.4	1161.7	1156.9	1152.1	1148.4
7.5°	1203.3	1185.9	1170.6	1155.3	1143.8	1132.4	1124.4	1116.4	1110.8	1105.4	1102.1
10°	1201.3	1182.6	1165.4	1148.1	1134.4	1120.7	1111.7	1102.7	1097.5	1092.3	1089.5
12.5°	1231.3	1216.7	1198.9	1181.1	1163.6	1146.1	1134.5	1122.9	1117.1	1111.3	1108.9
15°	1284.6	1280.8	1265.3	1249.8	1224.9	1199.9	1182.3	1164.7	1156.7	1148.6	1145.5
17.5°	1335.9	1347.8	1335.3	1322.9	1289.9	1256.9	1230.9	1205.0	1193.1	1181.1	1177.1
20°	1355.0	1380.0	1374.2	1368.4	1330.7	1293.0	1261.2	1229.4	1214.2	1198.8	1193.9
22.5°	1328.5	1361.0	1364.5	1367.9	1331.9	1295.8	1263.1	1230.3	1214.2	1198.0	1192.6
25°	1266.8	1298.8	1310.7	1322.6	1293.1	1263.6	1234.4	1205.4	1191.4	1177.5	1172.4
27.5°	1191.6	1217.2	1230.5	1243.9	1222.8	1201.8	1179.2	1156.6	1147.2	1137.8	1135.5
30°	1118.1	1139.4	1150.2	1161.0	1145.0	1128.9	1112.8	1096.5	1091.7	1086.9	1086.9
32.5°	1047.0	1067.5	1079.4	1091.5	1076.8	1062.0	1049.1	1036.2	1033.0	1029.9	1030.3
35°	978.6	998.8	1013.3	1027.7	1017.2	1006.7	994.8	982.9	978.1	973.4	972.3
37.5°	913.4	933.6	951.4	969.2	964.4	959.6	948.6	937.6	928.9	920.2	915.7
40°	851.9	871.3	891.8	912.4	913.5	914.7	905.4	896.0	883.4	870.8	862.3
42.5°	795.1	813.5	835.7	857.8	863.7	869.6	861.8	853.9	838.2	822.5	810.1
45°	746.3	763.8	786.7	809.7	818.2	826.7	819.6	812.5	794.5	776.6	762.1
47.5°	707.7	724.7	747.4	770.0	779.8	789.6	784.7	779.7	763.8	747.8	734.3
50°	678.9	695.0	715.3	735.6	748.1	760.7	760.4	760.2	747.4	734.6	722.2
52.5°	659.3	674.0	692.9	711.9	726.8	741.6	744.3	747.0	736.6	726.2	715.0
55°	646.6	662.6	679.1	695.7	711.4	727.2	730.9	734.6	725.6	716.5	706.7
57.5°	630.8	649.5	665.9	682.3	698.2	714.0	717.8	721.6	712.4	703.2	693.6
60°	608.4	629.9	646.6	663.2	679.2	695.1	699.3	703.4	694.4	685.5	675.5
62.5°	576.6	601.7	619.5	637.2	651.9	666.5	670.4	674.4	666.3	658.2	647.7
65°	*540.6*	*567.5*	*584.5*	*601.5*	*614.3*	*627.2*	*631.3*	*635.3*	*627.5*	*619.7*	*609.5*
67.5°	503.5	528.4	544.5	560.5	571.7	582.8	586.7	590.7	583.5	576.4	566.9
70°	465.6	487.5	501.4	515.2	525.3	535.3	539.1	542.9	537.1	531.3	522.2
72.5°	419.5	436.6	449.2	461.7	471.5	481.4	485.9	490.4	485.6	480.8	472.1
75°	364.9	377.7	389.1	400.5	409.4	418.4	423.1	427.8	425.5	423.1	415.9
77.5°	309.6	319.9	329.7	339.5	348.9	358.3	362.7	367.1	363.8	360.4	353.1
80°	247.5	256.1	264.3	272.6	279.7	286.8	292.7	298.5	297.1	295.7	285.9
82.5°	178.9	178.2	175.3	172.4	187.7	202.9	212.9	222.9	222.3	221.6	213.3
85°	108.0	104.2	96.3	88.3	102.5	116.8	129.2	141.6	140.5	139.5	133.0
87.5°	51.7	51.6	45.5	39.4	45.3	51.4	56.4	61.4	60.1	58.8	55.5
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: P1203093
CATALOG NUMBER: GWC-SB2B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1222.2	1217.9	1222.2	1225.8	1229.3	1233.1	1236.9	1241.8	1246.7	1252.8	1258.8
5°	1144.8	1141.2	1144.8	1148.4	1152.1	1156.9	1161.7	1168.4	1175.1	1184.8	1194.4
7.5°	1098.9	1096.4	1098.9	1102.1	1105.4	1110.8	1116.4	1124.4	1132.4	1143.8	1155.3
10°	1086.7	1085.6	1086.7	1089.5	1092.3	1097.5	1102.7	1111.7	1120.7	1134.4	1148.1
12.5°	1106.6	1106.2	1106.6	1108.9	1111.3	1117.1	1122.9	1134.5	1146.1	1163.6	1181.1
15°	1142.5	1142.2	1142.5	1145.5	1148.6	1156.7	1164.7	1182.3	1199.9	1224.9	1249.8
17.5°	1173.2	1172.6	1173.2	1177.1	1181.1	1193.1	1205.0	1230.9	1256.9	1289.9	1322.9
20°	1189.0	1187.5	1189.0	1193.9	1198.8	1214.2	1229.4	1261.2	1293.0	1330.7	1368.4
22.5°	1187.2	1184.9	1187.2	1192.6	1198.0	1214.2	1230.3	1263.1	1295.8	1331.9	1367.9
25°	1167.3	1164.3	1167.3	1172.4	1177.5	1191.4	1205.4	1234.4	1263.6	1293.1	1322.6
27.5°	1133.2	1132.4	1133.2	1135.5	1137.8	1147.2	1156.6	1179.2	1201.8	1222.8	1243.9
30°	1086.9	1087.6	1086.9	1086.9	1086.9	1091.7	1096.5	1112.8	1128.9	1145.0	1161.0
32.5°	1030.8	1031.5	1030.8	1030.3	1029.9	1033.0	1036.2	1049.1	1062.0	1076.8	1091.5
35°	971.3	970.8	971.3	972.3	973.4	978.1	982.9	994.8	1006.7	1017.2	1027.7
37.5°	911.1	908.5	911.1	915.7	920.2	928.9	937.6	948.6	959.6	964.4	969.2
40°	853.8	848.8	853.8	862.3	870.8	883.4	896.0	905.4	914.7	913.5	912.4
42.5°	797.7	789.6	797.7	810.1	822.5	838.2	853.9	861.8	869.6	863.7	857.8
45°	747.5	738.1	747.5	762.1	776.6	794.5	812.5	819.6	826.7	818.2	809.7
47.5°	720.9	711.9	720.9	734.3	747.8	763.8	779.7	784.7	789.6	779.8	770.0
50°	709.7	701.1	709.7	722.2	734.6	747.4	760.2	760.4	760.7	748.1	735.6
52.5°	703.9	695.9	703.9	715.0	726.2	736.6	747.0	744.3	741.6	726.8	711.9
55°	696.9	689.7	696.9	706.7	716.5	725.6	734.6	730.9	727.2	711.4	695.7
57.5°	683.8	676.4	683.8	693.6	703.2	712.4	721.6	717.8	714.0	698.2	682.3
60°	665.6	657.8	665.6	675.5	685.5	694.4	703.4	699.3	695.1	679.2	663.2
62.5°	637.2	628.0	637.2	647.7	658.2	666.3	674.4	670.4	666.5	651.9	637.2
65°	*599.4*	*591.4*	*599.4*	*609.5*	*619.7*	*627.5*	*635.3*	*631.3*	*627.2*	*614.3*	*601.5*
67.5°	557.5	550.3	557.5	566.9	576.4	583.5	590.7	586.7	582.8	571.7	560.5
70°	513.2	505.0	513.2	522.2	531.3	537.1	542.9	539.1	535.3	525.3	515.2
72.5°	463.5	455.5	463.5	472.1	480.8	485.6	490.4	485.9	481.4	471.5	461.7
75°	408.6	401.0	408.6	415.9	423.1	425.5	427.8	423.1	418.4	409.4	400.5
77.5°	345.8	339.7	345.8	353.1	360.4	363.8	367.1	362.7	358.3	348.9	339.5
80°	276.0	264.6	276.0	285.9	295.7	297.1	298.5	292.7	286.8	279.7	272.6
82.5°	205.0	197.7	205.0	213.3	221.6	222.3	222.9	212.9	202.9	187.7	172.4
85°	126.5	119.9	126.5	133.0	139.5	140.5	141.6	129.2	116.8	102.5	88.3
87.5°	52.1	48.9	52.1	55.5	58.8	60.1	61.4	56.4	51.4	45.3	39.4
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: P1203093
CATALOG NUMBER: GWC-SB2B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1266.6	1274.4	1282.2	1289.9	1298.8	1307.7	1317.5	1327.4	1339.6	1350.6	1361.9
5°	1207.0	1219.5	1233.3	1247.1	1262.7	1278.3	1297.0	1315.7	1337.0	1358.6	1381.5
7.5°	1170.6	1185.9	1203.3	1220.7	1241.3	1261.9	1286.6	1311.4	1339.1	1368.6	1400.5
10°	1165.4	1182.6	1201.3	1220.0	1240.6	1261.2	1287.3	1313.5	1343.2	1379.6	1417.5
12.5°	1198.9	1216.7	1231.3	1246.1	1259.7	1273.3	1294.7	1316.1	1343.7	1382.0	1424.7
15°	1265.3	1280.8	1284.6	1288.4	1286.5	1284.7	1294.9	1305.1	1327.2	1369.6	1419.1
17.5°	1335.3	1347.8	1335.9	1324.0	1301.6	1279.1	1275.4	1271.7	1285.3	1335.1	1394.7
20°	1374.2	1380.0	1355.0	1330.1	1291.1	1252.1	1234.6	1217.1	1220.7	1278.7	1352.5
22.5°	1364.5	1361.0	1328.5	1296.0	1251.4	1206.9	1181.1	1155.2	1148.1	1214.2	1303.0
25°	1310.7	1298.8	1266.8	1234.8	1194.8	1154.8	1125.0	1095.1	1076.1	1143.7	1247.8
27.5°	1230.5	1217.2	1191.6	1166.0	1133.1	1100.2	1071.4	1042.6	1019.4	1081.0	1197.3
30°	1150.2	1139.4	1118.1	1096.8	1069.5	1042.2	1019.3	996.4	978.3	1030.0	1155.1
32.5°	1079.4	1067.5	1047.0	1026.6	1004.8	983.0	969.5	956.0	947.9	989.6	1118.7
35°	1013.3	998.8	978.6	958.4	941.9	925.2	921.5	917.8	921.1	955.9	1082.9
37.5°	951.4	933.6	913.4	893.3	881.4	869.5	873.6	877.7	890.0	920.3	1040.8
40°	891.8	871.3	851.9	832.4	823.8	815.2	824.6	833.9	852.7	880.2	990.6
42.5°	835.7	813.5	795.1	776.6	769.6	762.6	774.9	787.3	811.0	836.3	935.2
45°	786.7	763.8	746.3	728.8	722.8	716.9	728.9	741.0	763.9	789.6	876.3
47.5°	747.4	724.7	707.7	690.5	685.0	679.4	689.5	699.6	719.3	752.5	829.7
50°	715.3	695.0	678.9	662.7	654.0	645.4	654.3	663.2	686.1	729.8	798.8
52.5°	692.9	674.0	659.3	644.4	631.5	618.5	627.3	636.1	668.1	718.3	778.4
55°	679.1	662.6	646.6	630.7	612.2	593.7	607.7	621.7	669.9	716.6	763.6
57.5°	665.9	649.5	630.8	612.0	592.1	572.3	592.7	613.0	671.7	712.9	746.1
60°	646.6	629.9	608.4	586.9	569.5	552.1	578.5	604.9	666.1	693.2	719.3
62.5°	619.5	601.7	576.6	551.5	540.5	529.4	562.4	595.4	652.2	655.5	672.8
65°	*584.5*	*567.5*	*540.6*	*513.7*	*509.5*	*505.2*	*540.4*	*575.5*	*618.7*	*618.3*	*626.5*
67.5°	544.5	528.4	503.5	478.7	480.0	481.4	510.6	539.9	564.1	565.3	560.8
70°	501.4	487.5	465.6	443.8	448.4	453.1	473.9	494.7	502.6	502.6	481.5
72.5°	449.2	436.6	419.5	402.3	409.0	415.8	430.1	444.3	444.2	439.2	409.2
75°	389.1	377.7	364.9	352.2	358.7	365.2	376.2	387.2	389.1	365.9	332.2
77.5°	329.7	319.9	309.6	299.2	305.8	312.3	321.1	329.9	331.0	292.6	259.9
80°	264.3	256.1	247.5	238.8	244.4	249.9	257.3	264.7	264.8	219.0	191.4
82.5°	175.3	178.2	178.9	179.6	183.6	187.5	191.1	194.7	192.5	153.4	133.0
85°	96.3	104.2	108.0	111.7	116.1	120.4	124.3	128.2	125.3	96.3	81.3
87.5°	45.5	51.6	51.7	51.9	52.7	53.5	55.1	56.6	53.0	40.9	34.8
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: P1203093
CATALOG NUMBER: GWC-SB2B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1373.2	1385.0	1396.9	1408.6	1420.4	1431.5	1442.5
5°	1404.5	1429.0	1453.5	1477.9	1502.3	1526.7	1551.2
7.5°	1432.5	1468.8	1505.1	1542.3	1579.6	1619.9	1660.3
10°	1455.3	1499.4	1543.4	1592.6	1641.9	1692.9	1743.9
12.5°	1467.5	1519.5	1571.5	1627.3	1683.1	1739.1	1795.1
15°	1468.6	1528.5	1588.4	1648.9	1709.4	1767.9	1826.3
17.5°	1454.2	1523.7	1593.2	1659.2	1725.3	1784.5	1843.8
20°	1426.3	1510.5	1594.7	1667.3	1739.9	1801.5	1863.1
22.5°	1391.9	1494.4	1596.8	1678.2	1759.6	1822.6	1885.5
25°	1351.9	1478.4	1604.9	1698.0	1791.0	1852.6	1914.3
27.5°	1313.6	1467.8	1621.9	1728.9	1835.8	1894.6	1953.4
30°	1280.2	1462.8	1645.2	1768.9	1892.6	1949.3	2006.2
32.5°	1247.8	1456.6	1665.3	1810.6	1956.0	2012.2	2068.5
35°	1210.0	1445.0	1680.0	1858.2	2036.4	2090.3	2144.1
37.5°	1161.3	1425.0	1688.7	1911.5	2134.2	2202.9	2271.5
40°	1101.0	1397.6	1694.2	1979.1	2263.9	2364.0	2464.0
42.5°	1034.0	1369.3	1704.7	2067.6	2430.5	2574.9	2719.3
45°	963.0	1343.0	1723.1	2184.0	2645.0	2839.8	3034.6
47.5°	906.9	1321.3	1735.7	2308.1	2880.5	3154.7	3428.9
50°	867.7	1297.6	1727.4	2423.2	3118.9	3532.3	3945.7
52.5°	838.5	1257.6	1676.7	2497.9	3319.0	3929.0	4538.9
55°	810.6	1191.3	1572.0	2481.4	3390.8	4280.6	5170.5
57.5°	779.3	1097.8	1416.3	2365.5	3314.8	4529.9	5744.9
60°	745.4	976.5	1207.5	2149.8	3092.1	4592.1	6092.1
62.5°	690.2	831.2	972.2	1858.1	2743.9	4329.9	5915.8
65°	*634.7*	*700.5*	*766.3*	*1560.5*	*2354.7*	*3958.8*	*5563.0*
67.5°	556.2	574.9	593.6	1268.9	1944.3	3517.2	5090.2
70°	460.3	455.0	449.6	999.1	1548.6	3035.4	4522.2
72.5°	379.1	362.9	346.8	763.8	1180.8	2513.0	3845.3
75°	298.5	283.9	269.3	554.4	839.4	1914.2	2989.1
77.5°	227.3	217.3	207.3	375.7	544.0	1339.8	2135.6
80°	163.7	159.6	155.4	242.0	328.7	863.2	1397.8
82.5°	112.6	111.8	111.1	148.9	186.7	499.6	812.5
85°	66.4	66.8	67.2	79.6	92.0	224.7	357.5
87.5°	28.7	29.1	29.4	33.0	36.5	73.6	110.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0


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