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: P1202345

Luminaire Tested: GWC-SB1D-827-U-SLL

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202345
	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-SB1D-827-U-SLL
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8864 lumens
Efficiency:	N/A
Efficacy:	111.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

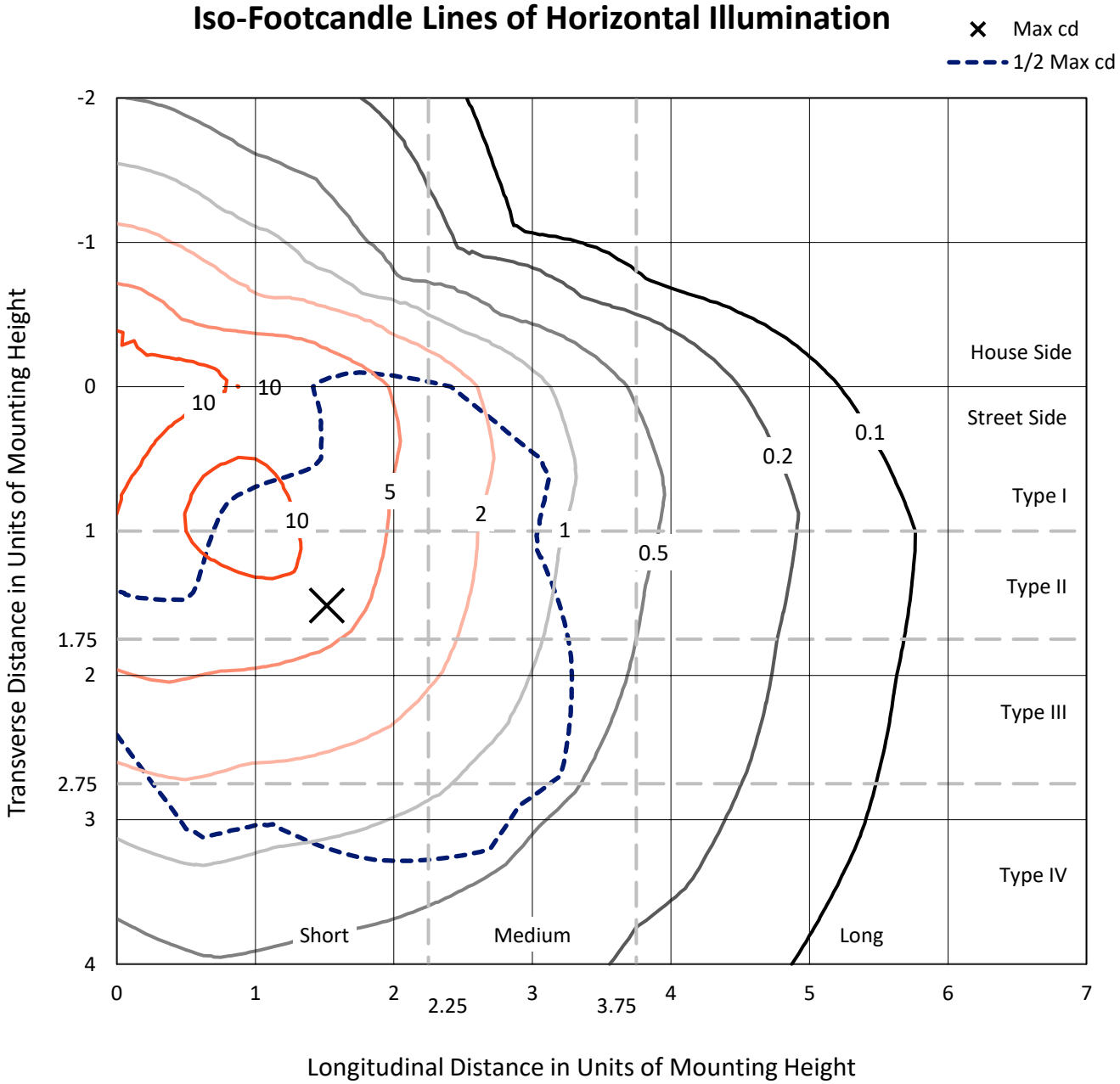


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REPORT NUMBER: P1202345
CATALOG NUMBER: GWC-SB1D-827-U-SLL

Iso-Footcandle Lines of Horizontal Illumination



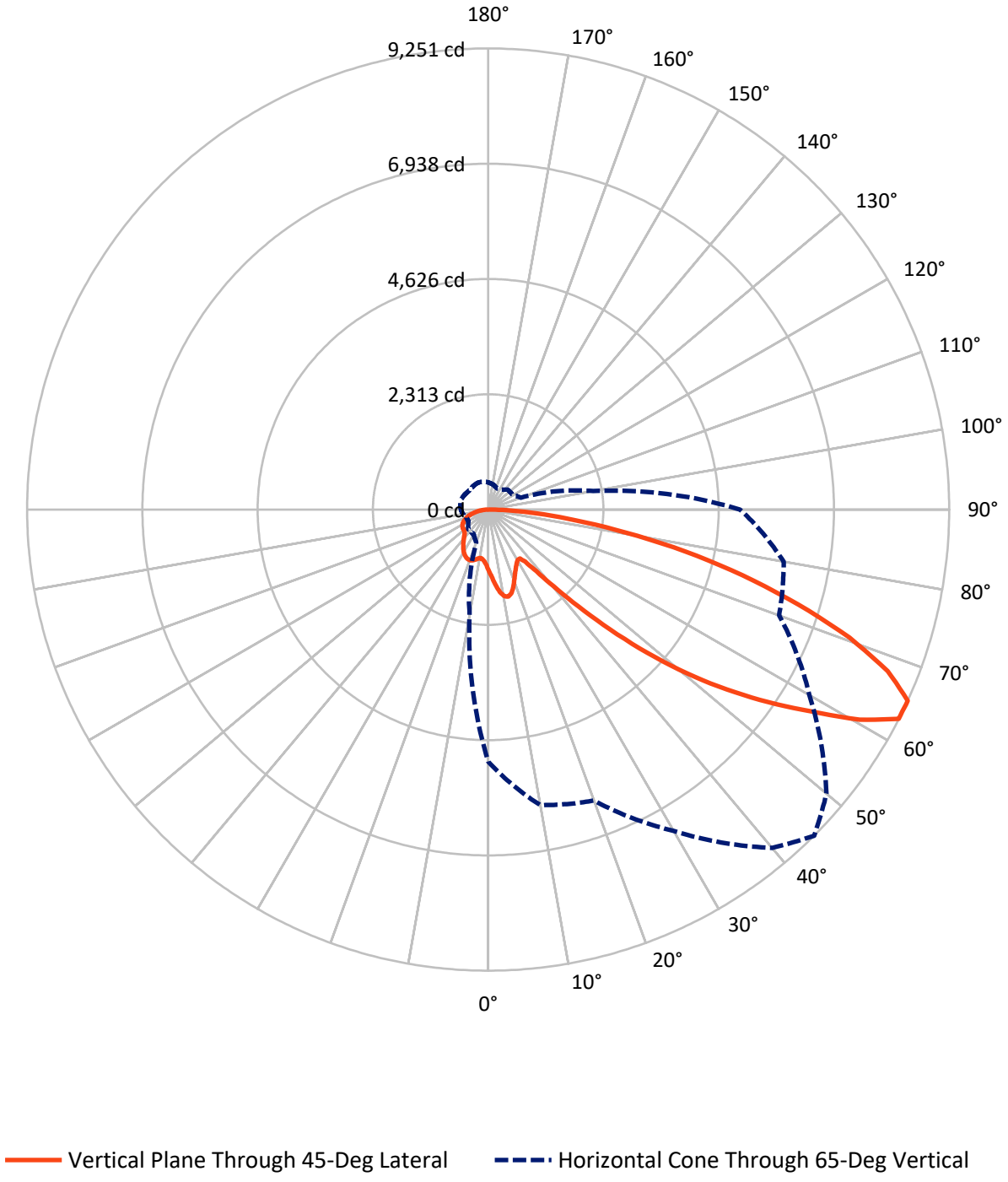
Based on 10 foot mounting height. Maximum calculated value = 16.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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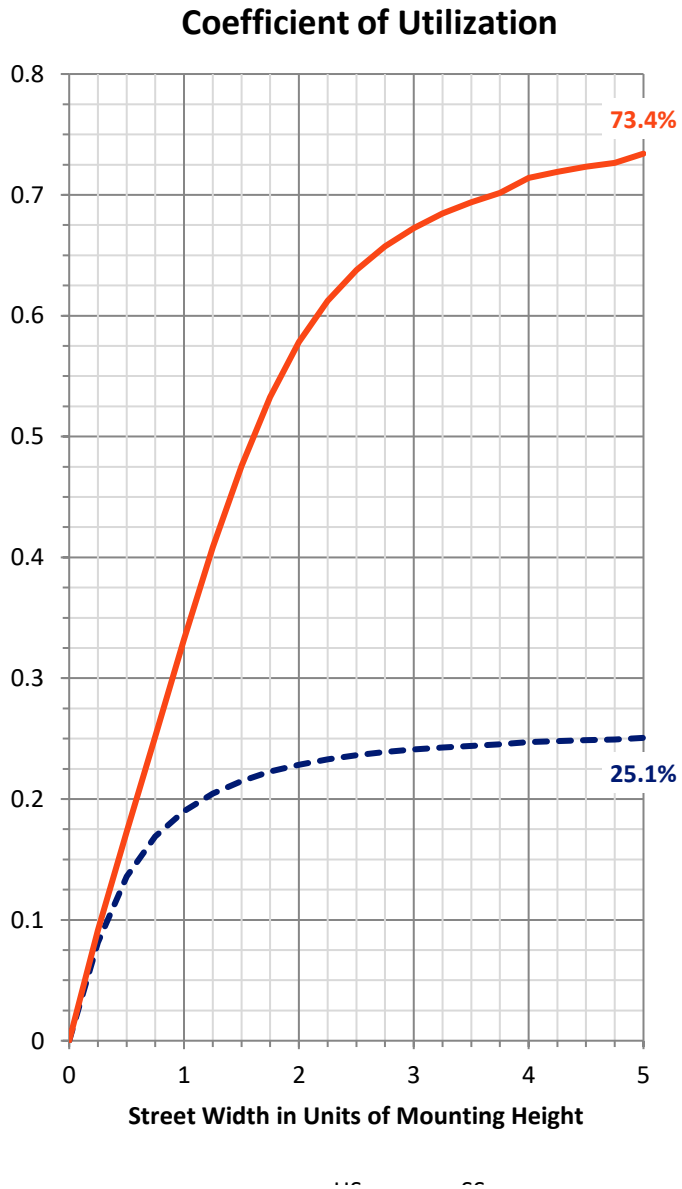
REPORT NUMBER: P1202345
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2252.8	0.0	2252.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	6611.2	0.0	6611.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	8864.0	0.0	8864.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	1.4
10°-20°	379.6	4.3
20°-30°	586.3	6.6
30°-40°	743.0	8.4
40°-50°	1120.6	12.6
50°-60°	1810.5	20.4
60°-70°	2257.1	25.5
70°-80°	1480.1	16.7
80°-90°	365.9	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°	8864.0	100.0
0°-180°	8864.0	100.0



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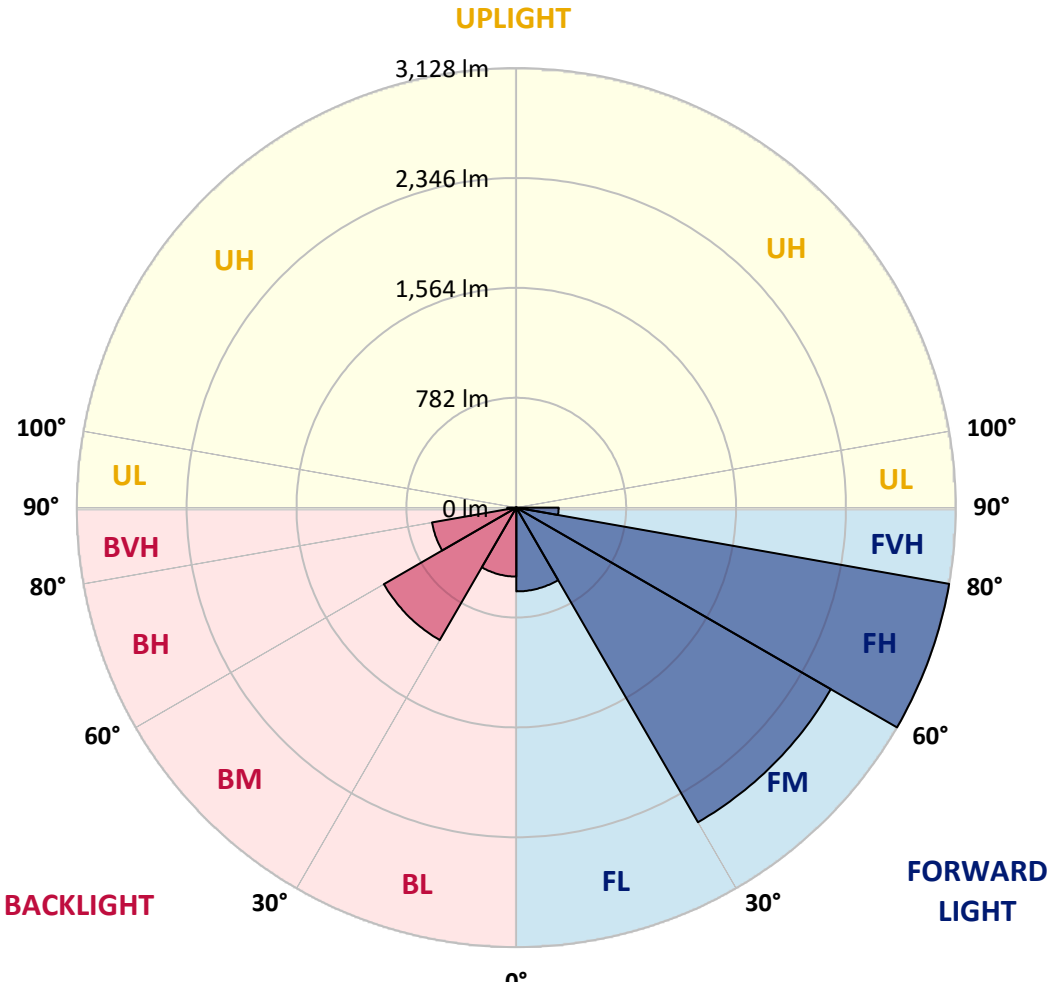
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	596.2	6.7			
FM	(30°-60°)	2585.4	29.2			
FH	(60°-80°)	3128.1	35.3			G2/5000
FVH	(80°-90°)	301.4	3.4			G3/500
BL	(0°-30°)	490.6	5.5	B1/500		
BM	(30°-60°)	1088.7	12.3	B2/2500		
BH	(60°-80°)	609.0	6.9	B2/1000		G2/1000
BVH	(80°-90°)	64.5	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°	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	*1218.9*	1218.9
2.5°	1310.8	1315.7	1320.7	1327.8	1334.9	1339.1	1343.3	1345.4	1347.5	*1346.6*	1347.5
5°	1409.5	1426.8	1444.2	1461.4	1478.7	1488.0	1497.4	1503.1	1508.8	*1513.1*	1508.8
7.5°	1508.6	1536.9	1565.1	1590.5	1615.9	1631.2	1646.5	1654.7	1663.0	*1667.0*	1663.0
10°	1584.6	1618.0	1651.4	1681.2	1711.0	1729.1	1747.0	1755.1	1763.1	*1766.1*	1763.1
12.5°	1631.2	1667.4	1703.5	1730.5	1757.3	1770.4	1783.5	1787.9	1792.3	*1792.8*	1792.3
15°	1659.5	1690.7	1721.9	1738.8	1755.7	1756.2	1756.7	1752.0	1747.3	*1741.8*	1747.3
17.5°	1675.4	1696.5	1717.6	1717.9	1718.2	1699.2	1680.3	1662.9	1645.5	*1633.3*	1645.5
20°	1692.9	1700.3	1707.6	1685.4	1663.2	1621.4	1579.6	1549.1	1518.7	*1500.0*	1518.7
22.5°	1713.3	1703.6	1694.0	1648.0	1601.9	1540.4	1478.9	1440.9	1402.8	*1382.1*	1402.8
25°	1739.4	1709.0	1678.6	1608.8	1538.9	1464.2	1389.5	1349.5	1309.5	*1290.0*	1309.5
27.5°	1775.0	1720.6	1666.2	1573.7	1481.2	1398.4	1315.6	1276.2	1236.9	*1218.4*	1236.9
30°	1822.9	1741.9	1660.9	1546.9	1433.0	1346.8	1260.5	1224.0	1187.4	*1170.2*	1187.4
32.5°	1879.5	1768.5	1657.6	1528.7	1399.8	1318.7	1237.7	1209.0	1180.3	*1167.9*	1180.3
35°	1948.3	1812.5	1676.7	1542.4	1408.1	1351.8	1295.5	1288.8	1282.1	*1281.1*	1282.1
37.5°	2064.0	1904.3	1744.5	1622.4	1500.3	1496.7	1493.1	1523.6	1554.2	*1570.1*	1554.2
40°	2239.0	2065.2	1891.5	1800.7	1709.9	1774.0	1838.0	1912.4	1986.8	*2023.8*	1986.8
42.5°	2471.0	2298.6	2126.2	2073.9	2021.6	2161.3	2301.1	2436.3	2571.6	*2651.0*	2571.6
45°	2757.4	2602.6	2447.7	2424.6	2401.5	2625.4	2849.3	3071.6	3293.9	*3428.8*	3293.9
47.5°	3115.7	2965.1	2814.4	2809.7	2805.0	3128.0	3450.9	3776.3	4101.7	*4292.7*	4101.7
50°	3585.3	3399.2	3213.1	3213.9	3214.7	3631.0	4047.3	4476.8	4906.3	*5166.0*	4906.3
52.5°	4124.3	3899.0	3673.7	3650.9	3628.1	4125.3	4622.6	5154.0	5685.4	*5996.6*	5685.4
55°	4698.2	4475.6	4253.0	4164.2	4075.3	4628.7	5182.1	5815.6	6449.1	*6819.3*	6449.1
57.5°	5220.2	5099.0	4977.7	4799.5	4621.4	5180.2	5739.0	6456.6	7174.1	*7633.2*	7174.1
60°	5535.7	5724.0	5912.3	5691.1	5469.9	5998.7	6527.5	7295.8	8064.0	*8560.2*	8064.0
62.5°	5375.5	5890.0	6404.6	6379.6	6354.7	6839.1	7323.5	8054.5	8785.4	*9244.0*	8785.4
65°	*5054.9*	*5537.8*	*6020.7*	*6116.3*	*6211.8*	*6827.4*	*7443.1*	*8151.8*	*8860.6*	*9251.0*	*8860.6*
67.5°	4625.3	5084.6	5543.9	5588.7	5633.4	6274.9	6916.3	7628.1	8339.9	*8645.8*	8339.9
70°	4109.1	4608.7	5108.3	5128.4	5148.4	5722.0	6295.6	6908.2	7520.7	*7690.7*	7520.7
72.5°	3494.1	4067.4	4640.7	4655.1	4669.5	5118.3	5567.0	6025.8	6484.6	*6501.8*	6484.6
75°	2716.0	3309.4	3902.7	3956.0	4009.3	4358.4	4707.6	5030.6	5353.5	*5267.0*	5353.5
77.5°	1940.6	2494.4	3048.4	3124.6	3200.8	3466.3	3731.7	3960.7	4189.8	*4041.1*	4189.8
80°	1270.1	1736.1	2202.0	2296.8	2391.5	2592.0	2792.4	2912.7	3032.9	*2793.7*	3032.9
82.5°	738.3	1056.9	1375.5	1481.3	1587.2	1725.2	1863.2	1913.3	1963.5	*1775.5*	1963.5
85°	324.8	493.9	663.0	753.0	843.1	956.4	1069.8	1098.3	1126.7	*976.1*	1126.7
87.5°	100.6	157.4	214.2	264.4	314.7	371.4	428.1	430.5	432.9	*363.4*	432.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9
2.5°	1345.4	1343.3	1339.1	1334.9	1327.8	1320.7	1315.7	1310.8	1300.7	1290.7	1280.0
5°	1503.1	1497.4	1488.0	1478.7	1461.4	1444.2	1426.8	1409.5	1387.3	1365.0	1342.9
7.5°	1654.7	1646.5	1631.2	1615.9	1590.5	1565.1	1536.9	1508.6	1472.0	1435.3	1401.5
10°	1755.1	1747.0	1729.1	1711.0	1681.2	1651.4	1618.0	1584.6	1538.3	1491.9	1447.2
12.5°	1787.9	1783.5	1770.4	1757.3	1730.5	1703.5	1667.4	1631.2	1580.2	1529.3	1478.6
15°	1752.0	1756.7	1756.2	1755.7	1738.8	1721.9	1690.7	1659.5	1606.4	1553.3	1498.3
17.5°	1662.9	1680.3	1699.2	1718.2	1717.9	1717.6	1696.5	1675.4	1621.5	1567.7	1507.7
20°	1549.1	1579.6	1621.4	1663.2	1685.4	1707.6	1700.3	1692.9	1637.0	1581.0	1515.0
22.5°	1440.9	1478.9	1540.4	1601.9	1648.0	1694.0	1703.6	1713.3	1656.1	1598.9	1525.0
25°	1349.5	1389.5	1464.2	1538.9	1608.8	1678.6	1709.0	1739.4	1683.4	1627.4	1542.9
27.5°	1276.2	1315.6	1398.4	1481.2	1573.7	1666.2	1720.6	1775.0	1721.6	1668.1	1571.0
30°	1224.0	1260.5	1346.8	1433.0	1546.9	1660.9	1741.9	1822.9	1771.3	1719.7	1607.3
32.5°	1209.0	1237.7	1318.7	1399.8	1528.7	1657.6	1768.5	1879.5	1828.4	1777.3	1645.2
35°	1288.8	1295.5	1351.8	1408.1	1542.4	1676.7	1812.5	1948.3	1899.4	1850.4	1688.5
37.5°	1523.6	1493.1	1496.7	1500.3	1622.4	1744.5	1904.3	2064.0	2001.7	1939.3	1736.9
40°	1912.4	1838.0	1774.0	1709.9	1800.7	1891.5	2065.2	2239.0	2148.0	2057.1	1798.3
42.5°	2436.3	2301.1	2161.3	2021.6	2073.9	2126.2	2298.6	2471.0	2339.7	2208.5	1878.7
45°	3071.6	2849.3	2625.4	2401.5	2424.6	2447.7	2602.6	2757.4	2580.4	2403.4	1984.5
47.5°	3776.3	3450.9	3128.0	2805.0	2809.7	2814.4	2965.1	3115.7	2866.6	2617.4	2097.3
50°	4476.8	4047.3	3631.0	3214.7	3213.9	3213.1	3399.2	3585.3	3209.7	2834.0	2201.8
52.5°	5154.0	4622.6	4125.3	3628.1	3650.9	3673.7	3899.0	4124.3	3570.1	3015.9	2269.7
55°	5815.6	5182.1	4628.7	4075.3	4164.2	4253.0	4475.6	4698.2	3889.6	3081.1	2254.8
57.5°	6456.6	5739.0	5180.2	4621.4	4799.5	4977.7	5099.0	5220.2	4116.1	3012.0	2149.5
60°	7295.8	6527.5	5998.7	5469.9	5691.1	5912.3	5724.0	5535.7	4172.7	2809.7	1953.4
62.5°	8054.5	7323.5	6839.1	6354.7	6379.6	6404.6	5890.0	5375.5	3934.4	2493.3	1688.4
65°	*8151.8*	*7443.1*	*6827.4*	*6211.8*	*6116.3*	*6020.7*	*5537.8*	*5054.9*	*3597.2*	*2139.6*	*1417.9*
67.5°	7628.1	6916.3	6274.9	5633.4	5588.7	5543.9	5084.6	4625.3	3196.0	1766.7	1153.0
70°	6908.2	6295.6	5722.0	5148.4	5128.4	5108.3	4608.7	4109.1	2758.1	1407.1	907.8
72.5°	6025.8	5567.0	5118.3	4669.5	4655.1	4640.7	4067.4	3494.1	2283.5	1072.9	694.0
75°	5030.6	4707.6	4358.4	4009.3	3956.0	3902.7	3309.4	2716.0	1739.4	762.8	503.7
77.5°	3960.7	3731.7	3466.3	3200.8	3124.6	3048.4	2494.4	1940.6	1217.4	494.3	341.3
80°	2912.7	2792.4	2592.0	2391.5	2296.8	2202.0	1736.1	1270.1	784.4	298.6	219.9
82.5°	1913.3	1863.2	1725.2	1587.2	1481.3	1375.5	1056.9	738.3	454.0	169.7	135.3
85°	1098.3	1069.8	956.4	843.1	753.0	663.0	493.9	324.8	204.2	83.6	72.3
87.5°	430.5	428.1	371.4	314.7	264.4	214.2	157.4	100.6	66.9	33.2	30.0
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°	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9
2.5°	1269.3	1258.5	1247.8	1237.5	1227.2	1217.2	1206.2	1197.2	1188.2	1180.1	1172.1
5°	1320.7	1298.4	1276.2	1255.4	1234.5	1214.9	1195.5	1178.6	1161.6	1147.4	1133.2
7.5°	1367.6	1334.6	1301.7	1272.6	1243.6	1216.8	1191.7	1169.1	1146.6	1127.9	1109.2
10°	1402.5	1362.4	1322.3	1288.0	1253.6	1220.5	1193.5	1169.8	1146.0	1127.3	1108.6
12.5°	1427.9	1380.7	1333.5	1294.6	1255.7	1221.0	1195.9	1176.4	1157.0	1144.6	1132.3
15°	1443.3	1388.9	1334.5	1289.5	1244.5	1206.0	1185.9	1176.6	1167.3	1169.0	1170.7
17.5°	1447.7	1384.5	1321.4	1267.3	1213.2	1167.9	1155.5	1158.9	1162.3	1182.7	1203.1
20°	1449.1	1372.6	1296.1	1229.0	1161.9	1109.2	1105.9	1121.8	1137.7	1173.1	1208.6
22.5°	1451.0	1357.9	1264.8	1184.0	1103.3	1043.2	1049.7	1073.2	1096.7	1137.1	1177.6
25°	1458.3	1343.4	1228.5	1133.8	1039.3	977.8	995.1	1022.2	1049.3	1085.7	1122.1
27.5°	1473.8	1333.7	1193.6	1088.0	982.3	926.3	947.4	973.6	999.7	1029.6	1059.5
30°	1494.9	1329.2	1163.3	1049.6	935.9	888.9	905.4	926.2	947.0	971.8	996.6
32.5°	1513.2	1323.6	1133.8	1016.5	899.2	861.3	868.6	880.9	893.3	913.0	932.9
35°	1526.5	1313.0	1099.5	984.0	868.6	837.0	833.9	837.3	840.7	855.8	870.9
37.5°	1534.5	1294.9	1055.3	945.8	836.3	808.7	797.6	793.8	790.1	800.9	811.7
40°	1539.5	1270.0	1000.5	900.1	799.8	774.8	757.7	749.2	740.8	748.6	756.4
42.5°	1549.0	1244.2	939.6	849.8	760.0	736.9	715.4	704.2	692.9	699.3	705.7
45°	1565.7	1220.3	875.0	796.2	717.5	694.1	673.3	662.3	651.4	656.8	662.2
47.5°	1577.1	1200.6	824.0	753.9	683.8	653.6	635.7	626.6	617.4	622.4	627.4
50°	1569.7	1179.1	788.5	725.8	663.1	623.5	602.7	594.5	586.4	594.3	602.2
52.5°	1523.6	1142.7	761.9	707.3	652.7	607.1	578.0	570.0	562.0	573.8	585.6
55°	1428.4	1082.5	736.6	693.9	651.2	608.7	564.9	552.2	539.5	556.3	573.0
57.5°	1286.9	997.6	708.1	678.0	647.8	610.4	557.1	538.5	520.0	538.1	556.1
60°	1097.2	887.3	677.4	653.6	629.9	605.2	549.7	525.7	501.6	517.5	533.3
62.5°	883.4	755.3	627.1	611.4	595.6	592.6	541.1	511.0	481.0	491.1	501.2
65°	*696.3*	*636.5*	*576.7*	*569.3*	*561.8*	*562.2*	*522.9*	*491.0*	*459.1*	*462.9*	*466.8*
67.5°	539.4	522.4	505.4	509.5	513.6	512.6	490.5	464.0	437.4	436.2	435.0
70°	408.6	413.4	418.2	437.5	456.7	456.7	449.5	430.6	411.7	407.5	403.3
72.5°	315.1	329.8	344.5	371.8	399.1	403.6	403.7	390.8	377.8	371.6	365.5
75°	244.7	258.0	271.3	301.9	332.5	353.6	351.8	341.9	331.8	326.0	320.0
77.5°	188.4	197.4	206.5	236.2	265.9	300.7	299.8	291.8	283.8	277.8	271.8
80°	141.3	145.0	148.7	173.9	199.0	240.6	240.5	233.8	227.1	222.1	217.0
82.5°	100.9	101.6	102.3	120.9	139.4	174.9	176.9	173.6	170.3	166.8	163.2
85°	61.0	60.7	60.3	73.9	87.5	113.9	116.5	113.0	109.4	105.5	101.5
87.5°	26.8	26.4	26.1	31.6	37.2	48.2	51.4	50.0	48.6	47.9	47.1
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: P1202345
CATALOG NUMBER: GWC-SB1D-827-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9
2.5°	1165.0	1158.0	1150.9	1143.8	1138.3	1132.8	1128.4	1123.9	1120.5	1117.0	1113.8
5°	1120.7	1108.1	1096.8	1085.3	1076.6	1067.8	1061.7	1055.5	1051.2	1046.8	1043.5
7.5°	1093.4	1077.6	1063.7	1049.8	1039.4	1029.0	1021.7	1014.4	1009.4	1004.4	1001.4
10°	1091.6	1074.6	1058.9	1043.2	1030.8	1018.3	1010.2	1001.9	997.2	992.5	990.0
12.5°	1118.9	1105.6	1089.4	1073.2	1057.3	1041.4	1030.9	1020.3	1015.0	1009.8	1007.7
15°	1167.2	1163.8	1149.7	1135.6	1113.0	1090.3	1074.4	1058.4	1051.0	1043.7	1040.9
17.5°	1213.9	1224.7	1213.4	1202.0	1172.1	1142.1	1118.5	1094.9	1084.1	1073.2	1069.6
20°	1231.3	1254.0	1248.7	1243.4	1209.1	1174.9	1146.0	1117.1	1103.3	1089.3	1084.9
22.5°	1207.1	1236.6	1239.8	1243.0	1210.2	1177.5	1147.7	1117.9	1103.3	1088.6	1083.7
25°	1151.1	1180.1	1191.0	1201.8	1175.0	1148.2	1121.7	1095.3	1082.6	1069.9	1065.3
27.5°	1082.8	1106.1	1118.1	1130.2	1111.1	1092.0	1071.5	1051.0	1042.5	1033.9	1031.8
30°	1015.9	1035.3	1045.1	1054.9	1040.4	1025.8	1011.1	996.3	992.0	987.6	987.6
32.5°	951.4	970.0	980.9	991.8	978.4	965.0	953.3	941.5	938.7	935.8	936.2
35°	889.2	907.6	920.7	933.8	924.3	914.8	903.9	893.1	888.8	884.5	883.5
37.5°	830.0	848.3	864.5	880.7	876.3	871.9	862.0	852.0	844.0	836.2	832.0
40°	774.1	791.8	810.4	829.0	830.1	831.1	822.7	814.2	802.7	791.3	783.5
42.5°	722.4	739.2	759.3	779.5	784.8	790.2	783.1	775.9	761.7	747.4	736.1
45°	678.1	694.0	714.9	735.7	743.4	751.2	744.7	738.3	722.0	705.7	692.5
47.5°	643.0	658.5	679.1	699.7	708.6	717.5	713.0	708.5	694.0	679.5	667.2
50°	616.9	631.5	649.9	668.4	679.8	691.2	690.9	690.7	679.1	667.5	656.2
52.5°	599.1	612.5	629.6	646.9	660.4	673.9	676.3	678.8	669.3	659.9	649.7
55°	587.5	602.0	617.1	632.1	646.4	660.8	664.2	667.5	659.3	651.1	642.2
57.5°	573.1	590.2	605.0	620.0	634.4	648.8	652.2	655.6	647.3	639.0	630.2
60°	552.8	572.4	587.5	602.7	617.2	631.7	635.4	639.1	631.0	622.9	613.8
62.5°	523.9	546.8	562.9	579.0	592.3	605.6	609.2	612.8	605.5	598.1	588.6
65°	*491.2*	*515.7*	*531.1*	*546.5*	*558.2*	*569.9*	*573.6*	*577.3*	*570.2*	*563.1*	*553.9*
67.5°	457.5	480.1	494.8	509.3	519.4	529.6	533.2	536.7	530.2	523.8	515.1
70°	423.1	442.9	455.6	468.2	477.3	486.4	489.9	493.4	488.1	482.8	474.5
72.5°	381.1	396.7	408.1	419.5	428.5	437.4	441.5	445.6	441.2	436.8	429.0
75°	331.6	343.2	353.5	363.9	372.0	380.2	384.5	388.8	386.6	384.5	377.9
77.5°	281.3	290.7	299.6	308.5	317.0	325.5	329.6	333.6	330.6	327.5	320.9
80°	224.9	232.7	240.2	247.7	254.2	260.6	265.9	271.3	270.0	268.7	259.8
82.5°	162.6	161.9	159.3	156.7	170.5	184.4	193.4	202.5	202.0	201.4	193.8
85°	98.1	94.7	87.5	80.2	93.2	106.2	117.4	128.6	127.7	126.8	120.9
87.5°	47.0	46.9	41.3	35.8	41.2	46.7	51.2	55.8	54.6	53.4	50.4
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: P1202345
CATALOG NUMBER: GWC-SB1D-827-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9
2.5°	1110.6	1106.6	1110.6	1113.8	1117.0	1120.5	1123.9	1128.4	1132.8	1138.3	1143.8
5°	1040.2	1036.9	1040.2	1043.5	1046.8	1051.2	1055.5	1061.7	1067.8	1076.6	1085.3
7.5°	998.5	996.2	998.5	1001.4	1004.4	1009.4	1014.4	1021.7	1029.0	1039.4	1049.8
10°	987.4	986.4	987.4	990.0	992.5	997.2	1001.9	1010.2	1018.3	1030.8	1043.2
12.5°	1005.5	1005.1	1005.5	1007.7	1009.8	1015.0	1020.3	1030.9	1041.4	1057.3	1073.2
15°	1038.1	1037.9	1038.1	1040.9	1043.7	1051.0	1058.4	1074.4	1090.3	1113.0	1135.6
17.5°	1066.0	1065.5	1066.0	1069.6	1073.2	1084.1	1094.9	1118.5	1142.1	1172.1	1202.0
20°	1080.4	1079.0	1080.4	1084.9	1089.3	1103.3	1117.1	1146.0	1174.9	1209.1	1243.4
22.5°	1078.8	1076.7	1078.8	1083.7	1088.6	1103.3	1117.9	1147.7	1177.5	1210.2	1243.0
25°	1060.7	1058.0	1060.7	1065.3	1069.9	1082.6	1095.3	1121.7	1148.2	1175.0	1201.8
27.5°	1029.7	1029.0	1029.7	1031.8	1033.9	1042.5	1051.0	1071.5	1092.0	1111.1	1130.2
30°	987.6	988.3	987.6	987.6	987.6	992.0	996.3	1011.1	1025.8	1040.4	1054.9
32.5°	936.6	937.3	936.6	936.2	935.8	938.7	941.5	953.3	965.0	978.4	991.8
35°	882.6	882.1	882.6	883.5	884.5	888.8	893.1	903.9	914.8	924.3	933.8
37.5°	827.9	825.5	827.9	832.0	836.2	844.0	852.0	862.0	871.9	876.3	880.7
40°	775.9	771.3	775.9	783.5	791.3	802.7	814.2	822.7	831.1	830.1	829.0
42.5°	724.9	717.5	724.9	736.1	747.4	761.7	775.9	783.1	790.2	784.8	779.5
45°	679.2	670.7	679.2	692.5	705.7	722.0	738.3	744.7	751.2	743.4	735.7
47.5°	655.0	646.9	655.0	667.2	679.5	694.0	708.5	713.0	717.5	708.6	699.7
50°	644.9	637.0	644.9	656.2	667.5	679.1	690.7	690.9	691.2	679.8	668.4
52.5°	639.6	632.4	639.6	649.7	659.9	669.3	678.8	676.3	673.9	660.4	646.9
55°	633.3	626.7	633.3	642.2	651.1	659.3	667.5	664.2	660.8	646.4	632.1
57.5°	621.4	614.6	621.4	630.2	639.0	647.3	655.6	652.2	648.8	634.4	620.0
60°	604.8	597.7	604.8	613.8	622.9	631.0	639.1	635.4	631.7	617.2	602.7
62.5°	579.0	570.6	579.0	588.6	598.1	605.5	612.8	609.2	605.6	592.3	579.0
65°	*544.7*	*537.4*	*544.7*	*553.9*	*563.1*	*570.2*	*577.3*	*573.6*	*569.9*	*558.2*	*546.5*
67.5°	506.5	500.0	506.5	515.1	523.8	530.2	536.7	533.2	529.6	519.4	509.3
70°	466.3	458.8	466.3	474.5	482.8	488.1	493.4	489.9	486.4	477.3	468.2
72.5°	421.2	413.9	421.2	429.0	436.8	441.2	445.6	441.5	437.4	428.5	419.5
75°	371.3	364.4	371.3	377.9	384.5	386.6	388.8	384.5	380.2	372.0	363.9
77.5°	314.2	308.7	314.2	320.9	327.5	330.6	333.6	329.6	325.5	317.0	308.5
80°	250.8	240.4	250.8	259.8	268.7	270.0	271.3	265.9	260.6	254.2	247.7
82.5°	186.2	179.6	186.2	193.8	201.4	202.0	202.5	193.4	184.4	170.5	156.7
85°	115.0	109.0	115.0	120.9	126.8	127.7	128.6	117.4	106.2	93.2	80.2
87.5°	47.3	44.4	47.3	50.4	53.4	54.6	55.8	51.2	46.7	41.2	35.8
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: P1202345
CATALOG NUMBER: GWC-SB1D-827-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9
2.5°	1150.9	1158.0	1165.0	1172.1	1180.1	1188.2	1197.2	1206.2	1217.2	1227.2	1237.5
5°	1096.8	1108.1	1120.7	1133.2	1147.4	1161.6	1178.6	1195.5	1214.9	1234.5	1255.4
7.5°	1063.7	1077.6	1093.4	1109.2	1127.9	1146.6	1169.1	1191.7	1216.8	1243.6	1272.6
10°	1058.9	1074.6	1091.6	1108.6	1127.3	1146.0	1169.8	1193.5	1220.5	1253.6	1288.0
12.5°	1089.4	1105.6	1118.9	1132.3	1144.6	1157.0	1176.4	1195.9	1221.0	1255.7	1294.6
15°	1149.7	1163.8	1167.2	1170.7	1169.0	1167.3	1176.6	1185.9	1206.0	1244.5	1289.5
17.5°	1213.4	1224.7	1213.9	1203.1	1182.7	1162.3	1158.9	1155.5	1167.9	1213.2	1267.3
20°	1248.7	1254.0	1231.3	1208.6	1173.1	1137.7	1121.8	1105.9	1109.2	1161.9	1229.0
22.5°	1239.8	1236.6	1207.1	1177.6	1137.1	1096.7	1073.2	1049.7	1043.2	1103.3	1184.0
25°	1191.0	1180.1	1151.1	1122.1	1085.7	1049.3	1022.2	995.1	977.8	1039.3	1133.8
27.5°	1118.1	1106.1	1082.8	1059.5	1029.6	999.7	973.6	947.4	926.3	982.3	1088.0
30°	1045.1	1035.3	1015.9	996.6	971.8	947.0	926.2	905.4	888.9	935.9	1049.6
32.5°	980.9	970.0	951.4	932.9	913.0	893.3	880.9	868.6	861.3	899.2	1016.5
35°	920.7	907.6	889.2	870.9	855.8	840.7	837.3	833.9	837.0	868.6	984.0
37.5°	864.5	848.3	830.0	811.7	800.9	790.1	793.8	797.6	808.7	836.3	945.8
40°	810.4	791.8	774.1	756.4	748.6	740.8	749.2	757.7	774.8	799.8	900.1
42.5°	759.3	739.2	722.4	705.7	699.3	692.9	704.2	715.4	736.9	760.0	849.8
45°	714.9	694.0	678.1	662.2	656.8	651.4	662.3	673.3	694.1	717.5	796.2
47.5°	679.1	658.5	643.0	627.4	622.4	617.4	626.6	635.7	653.6	683.8	753.9
50°	649.9	631.5	616.9	602.2	594.3	586.4	594.5	602.7	623.5	663.1	725.8
52.5°	629.6	612.5	599.1	585.6	573.8	562.0	570.0	578.0	607.1	652.7	707.3
55°	617.1	602.0	587.5	573.0	556.3	539.5	552.2	564.9	608.7	651.2	693.9
57.5°	605.0	590.2	573.1	556.1	538.1	520.0	538.5	557.1	610.4	647.8	678.0
60°	587.5	572.4	552.8	533.3	517.5	501.6	525.7	549.7	605.2	629.9	653.6
62.5°	562.9	546.8	523.9	501.2	491.1	481.0	511.0	541.1	592.6	595.6	611.4
65°	*531.1*	*515.7*	*491.2*	*466.8*	*462.9*	*459.1*	*491.0*	*522.9*	*562.2*	*561.8*	*569.3*
67.5°	494.8	480.1	457.5	435.0	436.2	437.4	464.0	490.5	512.6	513.6	509.5
70°	455.6	442.9	423.1	403.3	407.5	411.7	430.6	449.5	456.7	456.7	437.5
72.5°	408.1	396.7	381.1	365.5	371.6	377.8	390.8	403.7	403.6	399.1	371.8
75°	353.5	343.2	331.6	320.0	326.0	331.8	341.9	351.8	353.6	332.5	301.9
77.5°	299.6	290.7	281.3	271.8	277.8	283.8	291.8	299.8	300.7	265.9	236.2
80°	240.2	232.7	224.9	217.0	222.1	227.1	233.8	240.5	240.6	199.0	173.9
82.5°	159.3	161.9	162.6	163.2	166.8	170.3	173.6	176.9	174.9	139.4	120.9
85°	87.5	94.7	98.1	101.5	105.5	109.4	113.0	116.5	113.9	87.5	73.9
87.5°	41.3	46.9	47.0	47.1	47.9	48.6	50.0	51.4	48.2	37.2	31.6
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: P1202345
CATALOG NUMBER: GWC-SB1D-827-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9	1218.9
2.5°	1247.8	1258.5	1269.3	1280.0	1290.7	1300.7	1310.8
5°	1276.2	1298.4	1320.7	1342.9	1365.0	1387.3	1409.5
7.5°	1301.7	1334.6	1367.6	1401.5	1435.3	1472.0	1508.6
10°	1322.3	1362.4	1402.5	1447.2	1491.9	1538.3	1584.6
12.5°	1333.5	1380.7	1427.9	1478.6	1529.3	1580.2	1631.2
15°	1334.5	1388.9	1443.3	1498.3	1553.3	1606.4	1659.5
17.5°	1321.4	1384.5	1447.7	1507.7	1567.7	1621.5	1675.4
20°	1296.1	1372.6	1449.1	1515.0	1581.0	1637.0	1692.9
22.5°	1264.8	1357.9	1451.0	1525.0	1598.9	1656.1	1713.3
25°	1228.5	1343.4	1458.3	1542.9	1627.4	1683.4	1739.4
27.5°	1193.6	1333.7	1473.8	1571.0	1668.1	1721.6	1775.0
30°	1163.3	1329.2	1494.9	1607.3	1719.7	1771.3	1822.9
32.5°	1133.8	1323.6	1513.2	1645.2	1777.3	1828.4	1879.5
35°	1099.5	1313.0	1526.5	1688.5	1850.4	1899.4	1948.3
37.5°	1055.3	1294.9	1534.5	1736.9	1939.3	2001.7	2064.0
40°	1000.5	1270.0	1539.5	1798.3	2057.1	2148.0	2239.0
42.5°	939.6	1244.2	1549.0	1878.7	2208.5	2339.7	2471.0
45°	875.0	1220.3	1565.7	1984.5	2403.4	2580.4	2757.4
47.5°	824.0	1200.6	1577.1	2097.3	2617.4	2866.6	3115.7
50°	788.5	1179.1	1569.7	2201.8	2834.0	3209.7	3585.3
52.5°	761.9	1142.7	1523.6	2269.7	3015.9	3570.1	4124.3
55°	736.6	1082.5	1428.4	2254.8	3081.1	3889.6	4698.2
57.5°	708.1	997.6	1286.9	2149.5	3012.0	4116.1	5220.2
60°	677.4	887.3	1097.2	1953.4	2809.7	4172.7	5535.7
62.5°	627.1	755.3	883.4	1688.4	2493.3	3934.4	5375.5
65°	*576.7*	*636.5*	*696.3*	*1417.9*	*2139.6*	*3597.2*	*5054.9*
67.5°	505.4	522.4	539.4	1153.0	1766.7	3196.0	4625.3
70°	418.2	413.4	408.6	907.8	1407.1	2758.1	4109.1
72.5°	344.5	329.8	315.1	694.0	1072.9	2283.5	3494.1
75°	271.3	258.0	244.7	503.7	762.8	1739.4	2716.0
77.5°	206.5	197.4	188.4	341.3	494.3	1217.4	1940.6
80°	148.7	145.0	141.3	219.9	298.6	784.4	1270.1
82.5°	102.3	101.6	100.9	135.3	169.7	454.0	738.3
85°	60.3	60.7	61.0	72.3	83.6	204.2	324.8
87.5°	26.1	26.4	26.8	30.0	33.2	66.9	100.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0


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