

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF65-XX-PC-35W-7040**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (2022-09-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/4/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LSF65-XX-PC-35W-7040
Description: Flood light with selectable wattage and CCT
Light Source: (1) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

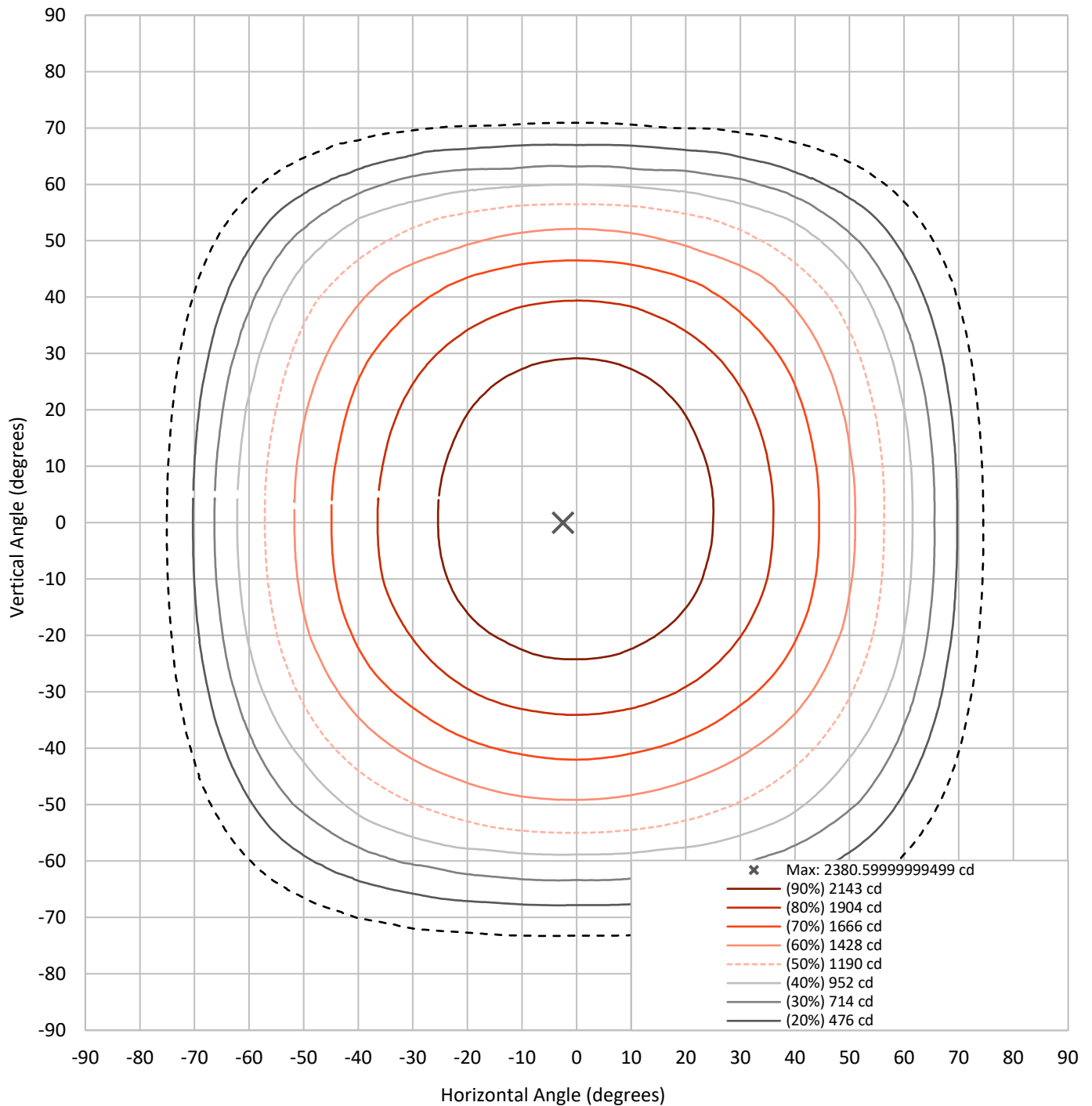
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	6446.6 lumens	Max Intensity:	2380.6 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	174.2 lumens/watt		
Luminous Opening:	Rectangular (W 0.12m x L: 0.2m x H: 0m)		
Beam Angle (50%):	113.4°H x 111.6°V	Field Angle (10%):	149.5°H x 144.2°V
Beam Lumens:	5171.8 lumens	Field Lumens:	6351.1 lumens
Beam Efficiency:	80.2%	Field Efficiency:	98.5%
Input Watts (W):	37		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: LSF65-XX-PC-35W-7040

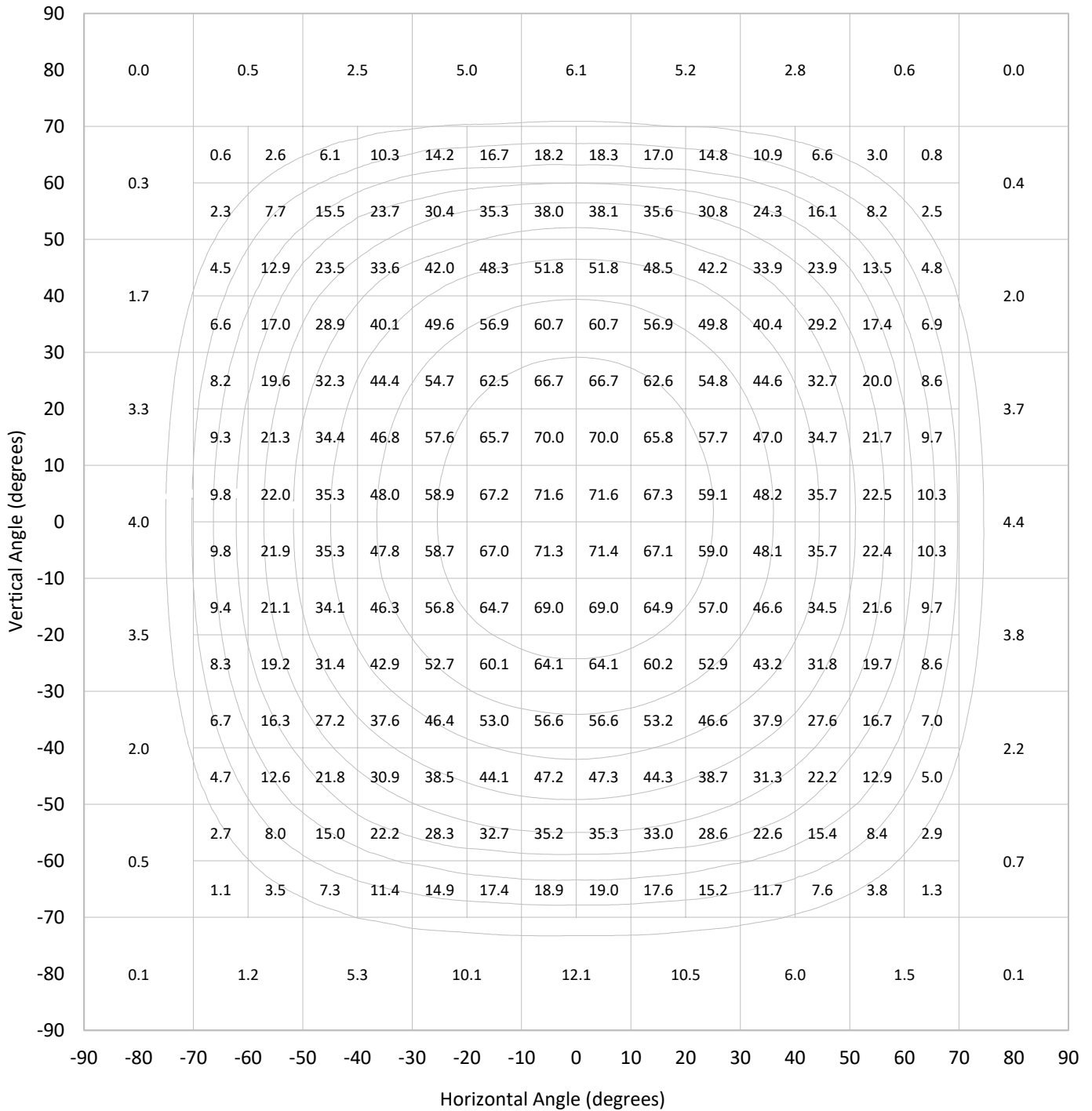
Iso-Candela Plot





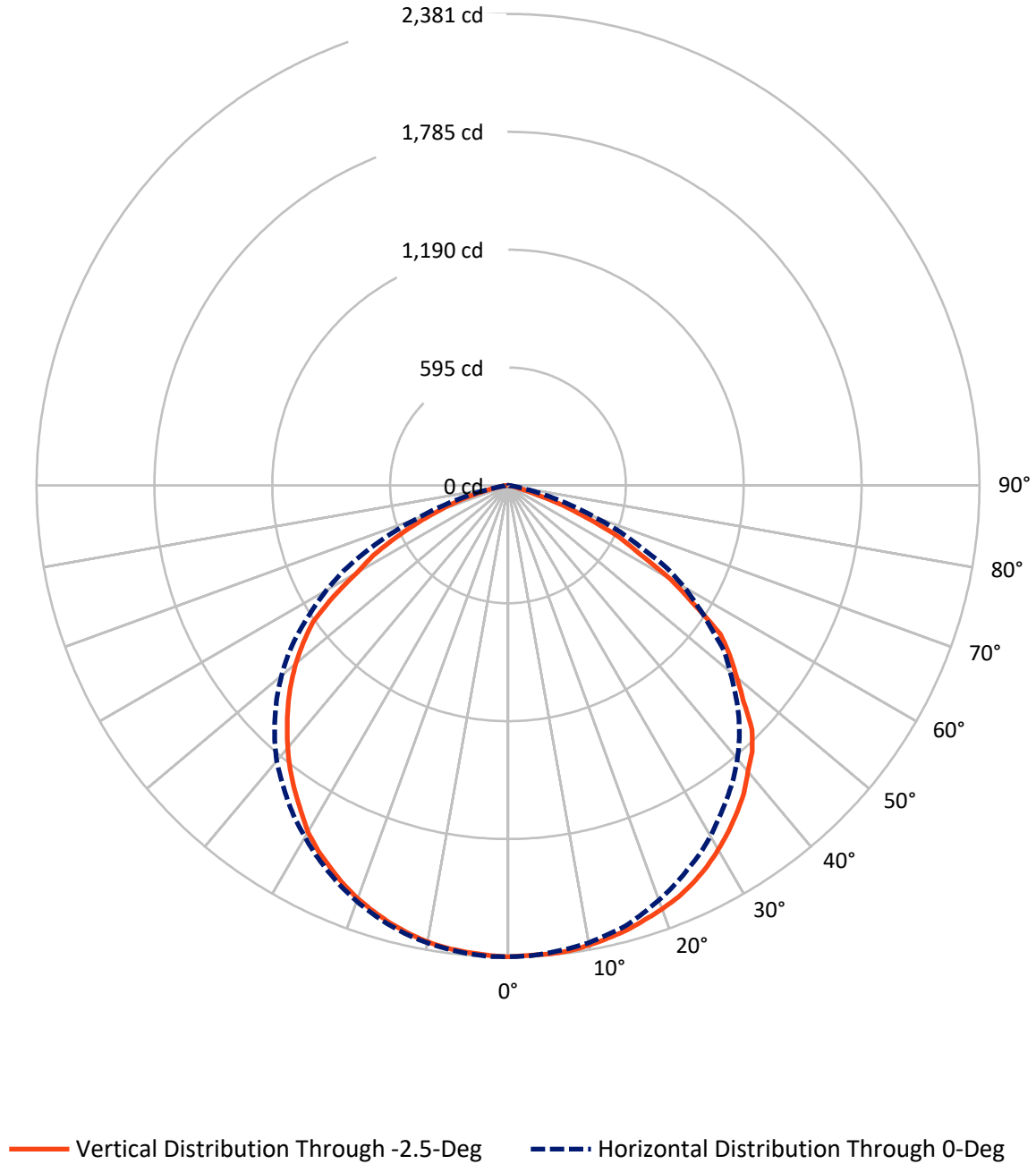
REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-35W-7040

Lumen Table



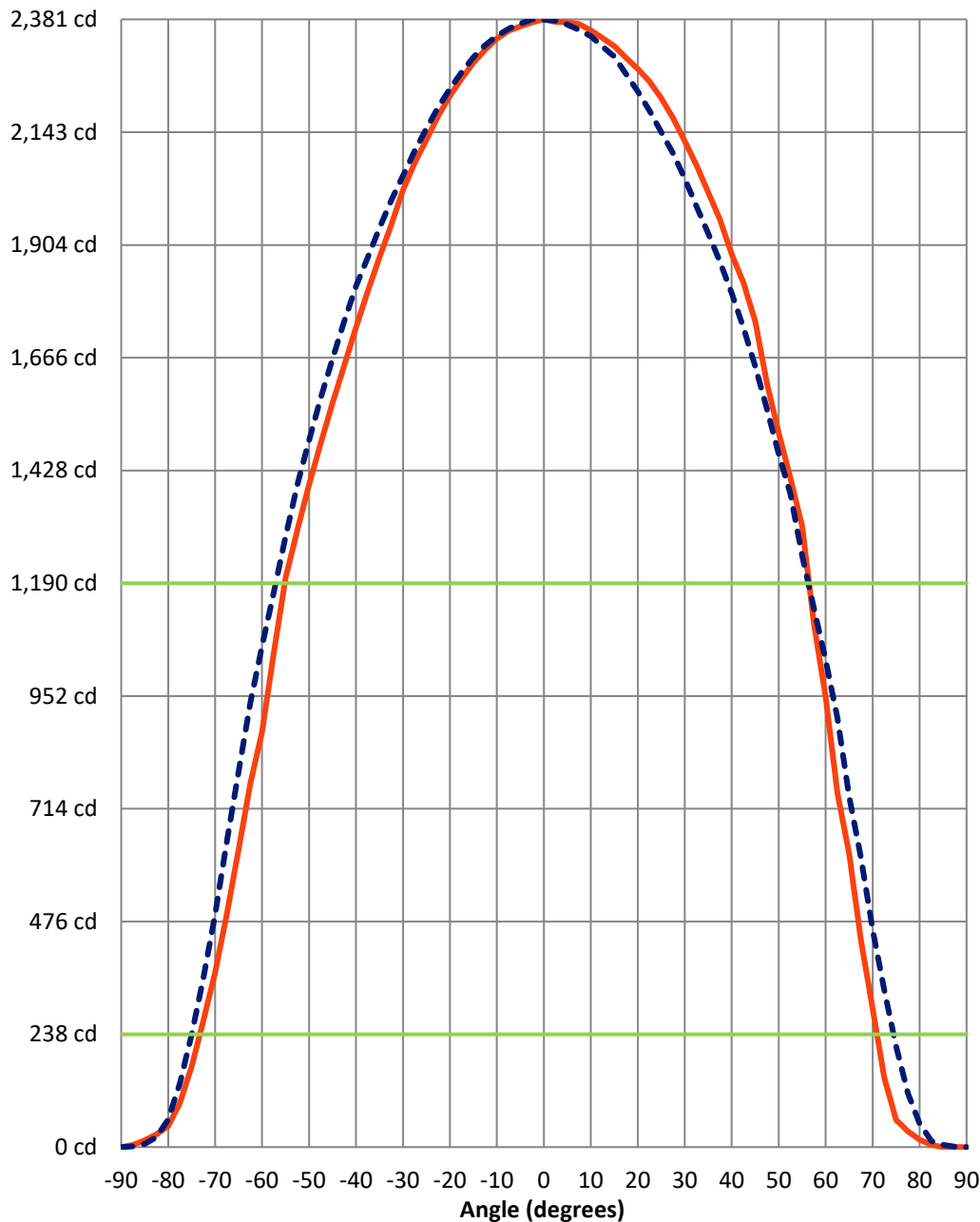
REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: LSF65-XX-PC-35W-7040

Luminous Intensity Polar Plot



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-35W-7040

Luminous Intensity Plot



Beam:
 H Angle: 113.4°
 V Angle: 111.6°
 Lumens: 5171.8
 Efficiency: 80.2%

Field:
 H Angle: 149.5°
 V Angle: 144.2°
 Lumens: 6351.1
 Efficiency: 98.5%

Spill:
 Lumens: 95.5
 Efficiency: 1.5%

— Vertical Distribution through -2.5-Deg
 - - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-35W-7040

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
85°	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.2	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.7
80°	0.0	0.3	0.5	0.6	0.6	0.7	0.7	0.7	1.3	1.7	2.2
77.5°	0.0	0.3	0.6	0.7	0.8	0.9	1.3	2.2	2.9	3.9	4.9
75°	0.0	0.4	0.7	0.8	1.0	1.5	2.7	3.8	5.0	6.2	7.9
72.5°	0.0	0.5	0.7	1.0	1.2	2.6	4.1	5.5	7.0	9.5	12.2
70°	0.0	0.5	0.8	1.1	2.0	3.7	5.5	7.2	10.4	14.0	19.9
67.5°	0.0	0.6	0.9	1.3	2.9	4.9	7.0	10.3	14.7	22.8	34.5
65°	0.0	0.7	1.0	1.7	3.8	6.3	9.4	14.0	22.5	37.3	53.2
62.5°	0.0	0.7	1.1	2.3	4.8	7.9	12.4	17.9	35.9	54.1	74.5
60°	0.0	0.7	1.3	2.9	5.7	9.9	15.7	30.3	50.7	71.1	105.4
57.5°	0.0	0.8	1.4	3.5	7.1	12.5	19.0	42.9	65.4	97.6	143.3
55°	0.0	0.8	1.5	4.2	8.6	15.0	29.0	55.1	83.8	130.6	180.6
52.5°	0.0	0.8	1.7	4.9	10.1	17.6	38.8	67.2	107.5	164.2	226.3
50°	0.0	0.9	2.0	5.6	12.0	20.2	48.7	81.2	137.2	198.8	267.9
47.5°	0.0	0.9	2.3	6.3	13.9	27.5	58.3	100.3	166.4	235.2	311.1
45°	0.0	0.9	2.7	7.4	15.7	34.5	68.5	121.3	193.5	270.0	359.7
42.5°	0.0	1.0	2.9	8.5	17.6	41.5	78.4	143.6	221.1	305.6	408.1
40°	0.0	1.0	3.2	9.5	19.4	48.5	92.8	164.9	247.8	341.5	441.4
37.5°	0.0	1.0	3.5	10.6	21.0	55.2	106.4	185.0	274.1	380.6	482.7
35°	0.0	1.1	3.8	11.7	24.6	62.3	121.3	204.9	299.7	412.2	523.5
32.5°	0.0	1.1	4.2	12.8	28.7	69.4	136.4	224.5	324.0	436.3	561.8
30°	0.0	1.2	4.5	13.8	32.6	76.1	150.4	243.0	349.3	464.9	597.6
27.5°	0.0	1.2	4.8	14.8	36.1	83.2	163.3	260.8	375.4	493.6	630.7
25°	0.0	1.3	5.1	15.8	39.5	91.3	175.2	277.3	398.4	520.4	654.3
22.5°	0.0	1.3	5.3	16.6	43.0	98.6	185.8	292.2	414.6	545.1	676.3
20°	0.0	1.3	5.6	17.4	46.1	105.3	195.8	305.0	429.5	567.4	700.6
17.5°	0.0	1.4	5.8	18.1	48.9	111.2	205.5	316.1	443.3	587.3	721.4
15°	0.0	1.4	6.0	18.8	51.4	116.9	214.0	325.5	457.1	604.6	739.9
12.5°	0.0	1.4	6.2	19.3	53.5	122.2	221.2	334.3	468.6	619.2	757.8
10°	0.0	1.4	6.3	19.8	55.2	126.6	227.1	343.1	477.6	629.4	772.1
7.5°	0.0	1.5	6.4	20.2	56.6	130.0	231.7	349.7	484.4	636.8	782.8
5°	0.0	1.5	6.5	20.5	57.6	132.5	235.0	354.2	488.8	641.9	789.7
2.5°	0.0	1.5	6.6	20.8	58.2	134.1	236.9	356.6	491.0	644.8	793.1
0°	0.0	1.5	6.6	20.9	58.5	134.7	237.5	356.9	491.1	645.3	792.8
-2.5°	0.0	1.5	6.7	21.1	58.9	135.2	237.5	357.1	491.5	644.8	793.0
-5°	0.0	1.5	6.7	21.2	59.0	134.8	236.2	355.3	489.7	641.9	789.6
-7.5°	0.0	1.5	6.8	21.3	58.7	133.5	233.6	351.5	485.7	636.6	782.7
-10°	0.0	1.5	6.8	21.2	58.0	131.3	229.8	345.8	479.5	628.9	772.2
-12.5°	0.0	1.5	6.7	21.0	56.9	128.2	224.7	338.1	471.0	618.3	758.1
-15°	0.0	1.5	6.6	20.7	55.4	124.2	218.6	330.3	460.3	603.9	740.6
-17.5°	0.0	1.5	6.5	20.3	53.5	119.8	211.3	321.8	447.2	587.0	722.6
-20°	0.0	1.5	6.4	19.7	51.2	114.9	202.9	311.7	433.5	567.7	702.2

Classified

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

Scaled Data Report



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-35W-7040

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	1.5	6.2	19.1	48.5	109.1	194.5	299.8	418.3	546.7	678.4
-25°	0.0	1.4	6.0	18.5	45.4	102.6	185.5	285.5	401.5	523.8	654.5
-27.5°	0.0	1.4	5.7	17.8	42.4	95.2	175.5	269.1	380.8	498.9	628.4
-30°	0.0	1.4	5.4	17.0	39.3	88.5	164.6	251.1	358.2	471.7	596.8
-32.5°	0.0	1.3	5.1	16.1	35.9	81.8	152.8	234.5	335.5	443.7	563.3
-35°	0.0	1.3	4.7	15.2	32.1	74.5	140.2	217.9	312.6	417.8	528.9
-37.5°	0.0	1.2	4.4	14.2	28.8	67.2	127.1	201.2	287.4	388.5	490.8
-40°	0.0	1.2	4.1	13.1	26.8	60.6	113.7	184.4	260.0	356.2	451.6
-42.5°	0.0	1.2	3.9	12.0	24.6	53.5	99.4	166.7	236.1	322.4	416.9
-45°	0.0	1.2	3.6	10.7	22.2	46.6	88.2	148.2	213.8	287.2	374.5
-47.5°	0.0	1.1	3.3	9.5	20.3	39.8	76.4	129.1	191.7	251.4	330.6
-50°	0.0	1.1	3.0	8.4	18.4	32.6	66.0	109.4	167.8	223.9	288.5
-52.5°	0.0	1.0	2.7	7.5	16.5	28.8	55.4	93.1	143.1	195.9	248.2
-55°	0.0	1.0	2.5	6.4	14.6	24.6	45.6	77.8	117.6	167.2	216.2
-57.5°	0.0	1.0	2.3	5.3	12.5	21.5	35.4	64.3	95.5	137.7	183.4
-60°	0.0	0.9	2.1	4.7	10.4	18.8	29.6	50.7	76.6	107.5	149.8
-62.5°	0.0	0.9	1.9	4.1	8.7	16.1	24.0	37.6	60.1	84.5	115.6
-65°	0.0	0.8	1.7	3.4	6.9	13.2	20.6	29.6	44.9	65.2	87.3
-67.5°	0.0	0.8	1.5	2.9	5.5	10.5	17.1	23.5	33.1	47.8	65.4
-70°	0.0	0.7	1.3	2.5	4.5	7.9	13.5	19.0	24.8	34.0	46.5
-72.5°	0.0	0.6	1.2	2.1	3.5	5.9	9.9	14.8	19.3	24.6	32.0
-75°	0.0	0.5	1.1	1.7	2.9	4.5	6.7	10.5	14.6	18.3	22.5
-77.5°	0.0	0.4	0.9	1.5	2.3	3.5	5.0	7.0	9.9	13.2	16.3
-80°	0.0	0.3	0.8	1.2	1.8	2.5	3.6	4.8	6.5	8.5	10.9
-82.5°	0.0	0.3	0.6	1.0	1.4	1.9	2.4	3.2	4.2	5.2	6.5
-85°	0.0	0.2	0.4	0.7	1.0	1.3	1.6	2.0	2.5	3.0	3.6
-87.5°	0.0	0.1	0.2	0.3	0.5	0.6	0.8	1.0	1.3	1.5	1.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-35W-7040

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
82.5°	0.8	0.8	0.9	1.4	1.7	1.8	1.9	2.1	2.6	3.0	3.5
80°	2.9	3.7	4.3	4.9	5.5	6.0	6.6	7.1	8.3	9.2	9.9
77.5°	6.0	7.2	8.1	9.2	11.0	12.7	14.8	16.7	18.5	20.3	21.9
75°	9.6	11.8	14.2	17.6	21.0	26.0	29.5	36.2	42.4	46.7	49.0
72.5°	15.4	20.3	26.7	35.2	43.9	53.3	63.0	71.2	76.5	83.2	87.7
70°	27.6	38.9	49.9	62.9	77.0	92.2	106.9	123.6	138.8	154.7	177.5
67.5°	48.1	61.4	80.5	103.4	124.6	148.7	174.5	206.3	230.4	247.2	283.7
65°	71.0	96.0	126.0	152.1	192.0	228.0	258.5	297.5	345.8	372.1	396.0
62.5°	105.1	140.0	179.3	226.1	265.9	310.1	369.6	408.6	435.8	479.1	524.8
60°	146.1	191.9	245.2	293.8	358.8	416.0	459.5	509.2	563.6	618.4	671.4
57.5°	191.7	249.7	307.1	389.0	450.7	505.5	566.6	628.0	690.7	763.1	830.4
55°	243.5	305.6	392.5	471.5	538.7	606.2	672.6	742.3	836.9	912.6	950.4
52.5°	291.9	377.2	461.3	549.7	629.0	699.4	780.5	878.1	948.7	1002.5	1048.0
50°	347.3	439.0	531.7	625.6	710.5	797.8	900.3	971.4	1029.0	1082.9	1133.0
47.5°	408.4	499.3	599.6	693.1	792.1	904.4	980.6	1043.1	1100.8	1160.8	1217.2
45°	453.1	559.5	661.9	758.7	884.9	978.0	1045.6	1107.3	1179.5	1243.6	1312.9
42.5°	505.9	617.2	717.3	844.5	950.3	1036.1	1103.1	1185.8	1256.1	1326.9	1397.9
40°	556.2	665.9	781.2	907.4	1005.0	1084.7	1177.3	1256.2	1325.4	1397.8	1460.6
37.5°	603.9	712.2	847.5	955.6	1050.9	1140.7	1240.4	1313.8	1385.8	1454.0	1514.3
35°	645.5	764.7	894.7	1005.9	1093.5	1196.2	1285.7	1362.4	1437.6	1504.1	1570.3
32.5°	676.9	820.3	933.6	1042.9	1140.6	1237.9	1328.0	1409.9	1482.9	1557.4	1617.6
30°	717.1	856.6	977.6	1079.2	1180.0	1279.4	1370.6	1450.1	1529.9	1600.6	1663.4
27.5°	756.8	887.3	1012.1	1113.6	1211.5	1318.7	1408.0	1488.5	1569.0	1637.4	1704.3
25°	795.9	918.3	1040.0	1141.9	1245.3	1353.6	1440.4	1522.9	1597.9	1671.2	1738.9
22.5°	826.6	952.9	1068.0	1163.6	1280.6	1383.0	1470.3	1550.5	1626.7	1700.7	1765.1
20°	850.6	983.6	1091.2	1188.2	1312.5	1408.3	1494.6	1574.2	1650.8	1724.4	1791.4
17.5°	872.1	1003.0	1110.9	1212.1	1336.1	1430.3	1512.4	1594.9	1672.8	1746.1	1814.7
15°	889.5	1019.9	1127.6	1236.5	1356.5	1448.8	1530.1	1612.0	1690.1	1765.5	1834.2
12.5°	904.2	1033.8	1141.9	1255.5	1371.8	1463.4	1546.8	1628.8	1705.9	1782.2	1847.6
10°	916.4	1044.6	1153.9	1270.2	1383.8	1474.2	1561.1	1643.1	1721.5	1797.2	1860.0
7.5°	927.1	1052.3	1162.8	1281.0	1392.3	1482.8	1571.7	1654.1	1732.9	1807.5	1869.7
5°	934.2	1057.0	1168.6	1287.6	1397.3	1488.9	1578.4	1661.2	1740.2	1814.3	1875.9
2.5°	937.8	1058.9	1171.5	1290.2	1399.0	1492.1	1581.9	1664.4	1743.8	1817.6	1878.7
0°	938.0	1058.0	1171.6	1288.7	1397.8	1491.8	1581.9	1664.1	1743.6	1817.3	1878.1
-2.5°	937.1	1057.4	1170.8	1287.7	1397.1	1491.3	1581.2	1663.7	1743.4	1817.0	1878.5
-5°	932.9	1054.0	1167.1	1282.8	1393.4	1487.2	1576.9	1659.8	1739.4	1813.2	1875.6
-7.5°	925.6	1047.8	1160.5	1274.1	1386.9	1480.0	1569.4	1652.2	1731.9	1805.7	1869.7
-10°	915.2	1038.9	1150.7	1261.7	1376.8	1470.1	1558.0	1640.7	1720.5	1794.6	1860.7
-12.5°	903.1	1027.0	1137.1	1245.8	1363.0	1457.0	1543.0	1625.8	1705.3	1779.6	1845.7
-15°	888.5	1012.0	1120.6	1227.6	1345.8	1437.5	1525.5	1608.1	1684.6	1756.1	1820.3
-17.5°	871.2	993.9	1101.3	1205.8	1320.5	1414.4	1505.1	1584.1	1657.7	1727.3	1791.6
-20°	849.8	973.4	1079.0	1182.1	1291.9	1389.6	1477.5	1554.5	1627.5	1696.9	1759.8

Classified

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

Scaled Data Report



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-35W-7040

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	825.8	945.9	1053.8	1156.2	1258.0	1356.9	1440.7	1520.0	1595.9	1663.7	1722.6
-25°	795.7	915.8	1025.5	1123.9	1221.2	1318.9	1398.4	1483.5	1558.4	1625.3	1686.2
-27.5°	758.0	885.5	991.5	1086.5	1182.8	1276.9	1359.3	1437.9	1513.8	1585.1	1643.7
-30°	719.5	850.3	953.2	1044.7	1141.9	1233.8	1315.7	1386.0	1465.9	1534.9	1592.9
-32.5°	679.1	811.7	909.6	1001.8	1093.9	1186.5	1268.8	1338.2	1406.6	1479.4	1537.8
-35°	642.8	759.4	867.1	958.0	1039.7	1134.8	1219.8	1288.7	1350.6	1416.2	1477.6
-37.5°	601.1	709.6	822.0	907.8	988.3	1072.9	1163.5	1237.7	1296.5	1353.7	1412.5
-40°	556.8	661.9	765.9	858.7	936.4	1008.9	1096.1	1175.9	1239.9	1294.2	1346.2
-42.5°	512.7	611.3	710.2	806.0	881.4	950.6	1023.2	1106.5	1174.1	1231.9	1281.6
-45°	465.3	558.1	654.1	742.7	825.2	893.1	961.6	1030.4	1102.8	1160.5	1213.2
-47.5°	421.5	507.3	592.1	684.1	761.3	832.7	898.7	962.9	1025.8	1087.9	1136.9
-50°	366.8	454.2	534.5	614.9	698.2	759.9	828.8	892.9	952.7	1009.7	1063.3
-52.5°	314.9	397.0	476.6	548.3	617.8	681.1	742.8	812.9	872.6	930.2	977.9
-55°	267.8	330.7	415.0	486.7	542.5	598.7	651.2	706.6	784.5	835.4	879.8
-57.5°	228.3	277.1	334.9	415.0	473.7	522.0	567.6	611.8	653.7	716.7	774.4
-60°	191.6	232.2	275.8	325.5	388.0	445.6	490.8	528.6	564.8	596.0	638.5
-62.5°	154.0	191.7	228.1	264.1	303.6	348.0	399.2	450.4	482.4	509.8	537.5
-65°	115.7	150.0	183.7	211.9	243.7	275.2	306.2	340.6	378.4	423.4	447.0
-67.5°	84.2	107.7	137.4	163.5	187.2	211.3	243.6	267.2	288.6	307.6	339.2
-70°	61.3	76.2	94.7	115.1	136.9	156.7	174.3	189.8	219.1	242.6	255.2
-72.5°	41.6	53.9	65.1	75.3	89.8	105.1	121.5	136.1	149.1	162.5	176.5
-75°	27.8	35.4	42.5	50.5	58.0	65.6	73.2	84.3	93.8	102.9	110.7
-77.5°	19.1	22.6	26.7	30.7	35.4	39.5	44.9	49.8	54.1	58.2	62.0
-80°	13.4	15.7	17.6	19.4	21.3	23.7	25.7	27.5	30.3	32.6	34.4
-82.5°	8.1	9.9	11.3	12.7	14.0	15.2	16.4	17.6	18.5	19.4	20.3
-85°	4.4	5.1	5.7	6.3	6.9	7.7	8.6	9.4	10.0	10.6	11.2
-87.5°	2.0	2.3	2.5	2.7	3.0	3.2	3.4	3.6	3.7	3.8	3.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-35W-7040

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
82.5°	3.9	4.2	4.5	4.6	4.6	4.7	4.7	4.6	4.5	4.6	4.7
80°	10.7	11.6	12.3	13.0	13.6	14.2	14.7	15.0	15.2	15.5	15.7
77.5°	24.5	26.4	26.9	27.8	29.0	30.0	30.8	31.4	31.9	32.6	33.1
75°	49.7	48.8	46.4	47.2	50.8	55.3	61.2	67.7	72.1	71.9	69.8
72.5°	92.1	98.6	106.2	120.6	132.4	137.1	135.8	131.4	124.3	127.3	136.2
70°	192.8	202.1	215.9	230.9	243.8	250.6	255.2	258.2	262.3	269.1	277.7
67.5°	308.4	323.6	343.5	367.6	375.2	375.7	381.0	401.3	415.2	428.1	435.8
65°	423.0	441.3	481.2	530.0	548.0	562.8	574.3	582.6	587.4	594.4	605.1
62.5°	575.3	614.5	649.5	679.3	701.1	715.9	721.5	720.6	716.4	716.5	728.6
60°	721.7	769.6	801.4	818.9	825.2	842.9	876.2	902.5	916.3	921.5	932.1
57.5°	874.6	895.2	907.7	939.9	991.0	1030.4	1044.4	1045.1	1053.8	1073.9	1094.3
55°	973.8	1017.5	1073.5	1121.2	1156.3	1173.7	1198.6	1227.9	1251.7	1273.8	1285.7
52.5°	1094.6	1141.0	1182.6	1220.0	1251.4	1280.7	1307.4	1332.5	1355.8	1375.0	1389.5
50°	1182.2	1232.2	1278.7	1316.0	1340.9	1368.4	1399.5	1426.9	1450.1	1467.3	1481.5
47.5°	1278.9	1337.1	1375.5	1405.5	1432.5	1465.1	1504.0	1534.6	1553.8	1566.8	1581.3
45°	1384.4	1425.4	1458.9	1493.8	1540.0	1588.2	1617.5	1639.8	1663.5	1688.7	1711.4
42.5°	1457.6	1498.6	1538.7	1588.6	1634.5	1669.9	1699.4	1728.2	1754.0	1776.7	1796.4
40°	1514.5	1563.5	1614.8	1660.5	1697.7	1732.2	1760.5	1794.1	1822.2	1842.2	1857.9
37.5°	1572.4	1627.1	1675.2	1714.8	1751.8	1792.2	1831.4	1858.8	1884.7	1907.4	1927.2
35°	1627.4	1680.0	1722.9	1767.5	1813.1	1850.6	1888.3	1917.1	1943.7	1967.2	1983.5
32.5°	1676.5	1725.9	1773.6	1819.2	1865.0	1904.0	1939.8	1970.3	1996.6	2019.2	2039.0
30°	1719.9	1770.8	1819.4	1868.9	1912.8	1956.0	1988.5	2022.2	2051.4	2073.2	2091.5
27.5°	1759.5	1811.6	1864.2	1911.5	1960.4	1996.6	2036.6	2068.6	2097.7	2118.4	2139.8
25°	1795.0	1850.5	1900.4	1949.1	1993.9	2039.7	2074.7	2107.3	2138.1	2162.3	2180.6
22.5°	1826.2	1882.1	1929.3	1978.3	2027.0	2070.5	2109.2	2141.2	2170.6	2196.0	2215.3
20°	1853.7	1905.2	1955.1	2005.2	2053.3	2096.4	2135.6	2170.0	2200.5	2223.8	2244.2
17.5°	1874.6	1926.2	1977.3	2028.3	2074.1	2119.0	2159.8	2195.6	2226.6	2249.1	2267.3
15°	1891.7	1945.1	1996.1	2048.2	2092.9	2140.5	2181.5	2217.5	2246.8	2270.9	2287.7
12.5°	1906.2	1959.4	2014.1	2063.3	2114.0	2158.2	2198.1	2235.4	2265.0	2287.4	2309.2
10°	1918.1	1970.3	2027.0	2080.4	2127.9	2172.1	2213.1	2248.0	2275.1	2304.0	2321.5
7.5°	1928.3	1981.6	2037.2	2092.3	2140.9	2181.9	2222.9	2259.7	2288.5	2314.2	2333.6
5°	1935.5	1991.0	2045.3	2099.8	2146.9	2190.5	2228.6	2266.5	2293.2	2317.6	2337.4
2.5°	1939.6	1997.0	2049.8	2103.2	2150.2	2195.4	2234.6	2269.1	2298.0	2321.2	2342.3
0°	1940.3	1998.6	2050.4	2103.2	2150.2	2195.1	2234.0	2269.2	2300.7	2326.0	2345.9
-2.5°	1939.1	1996.7	2049.9	2101.2	2149.2	2193.7	2232.1	2267.2	2296.8	2320.7	2343.2
-5°	1934.4	1991.2	2045.0	2094.6	2144.2	2187.2	2225.3	2260.6	2288.8	2312.8	2334.3
-7.5°	1926.5	1981.7	2035.6	2085.3	2135.1	2175.9	2216.7	2252.0	2279.8	2302.3	2322.7
-10°	1915.5	1967.7	2021.2	2072.6	2119.3	2161.3	2204.0	2238.6	2264.6	2286.3	2306.7
-12.5°	1898.4	1948.1	2001.4	2053.1	2098.7	2143.9	2183.7	2216.8	2244.0	2263.7	2282.8
-15°	1876.2	1924.6	1976.0	2028.6	2076.3	2118.5	2154.8	2189.8	2218.4	2238.5	2255.7
-17.5°	1850.1	1897.8	1945.7	1998.0	2044.7	2086.0	2124.3	2157.2	2183.9	2205.1	2220.9
-20°	1817.9	1868.0	1912.9	1960.8	2008.1	2050.2	2086.5	2118.8	2146.3	2166.2	2184.6

Classified

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

Scaled Data Report



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-35W-7040

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1780.5	1834.0	1878.6	1922.0	1965.5	2008.0	2045.1	2075.5	2101.1	2124.6	2143.9
-25°	1739.6	1791.1	1839.9	1882.2	1922.4	1960.3	1997.1	2027.9	2051.8	2077.0	2097.8
-27.5°	1691.6	1741.8	1791.9	1837.3	1876.9	1913.2	1948.2	1978.1	2000.7	2026.1	2045.3
-30°	1642.6	1687.3	1735.0	1782.3	1824.0	1859.1	1892.2	1924.7	1950.5	1969.7	1988.3
-32.5°	1587.1	1631.2	1673.6	1717.6	1761.9	1798.8	1829.5	1857.6	1884.3	1905.4	1920.1
-35°	1528.2	1571.3	1610.1	1653.3	1693.4	1732.2	1762.3	1789.1	1813.6	1833.5	1848.6
-37.5°	1465.1	1507.9	1549.0	1587.9	1625.5	1661.9	1691.9	1719.7	1742.1	1763.7	1779.2
-40°	1397.2	1443.1	1483.5	1522.5	1557.4	1587.0	1618.4	1646.1	1667.6	1685.8	1700.4
-42.5°	1328.1	1372.7	1414.2	1451.1	1484.9	1515.8	1544.0	1567.6	1589.6	1608.4	1622.3
-45°	1258.9	1300.8	1340.0	1375.6	1406.5	1436.6	1466.3	1491.3	1512.2	1528.3	1541.8
-47.5°	1182.7	1226.6	1263.9	1297.6	1328.5	1356.4	1384.5	1409.6	1432.7	1450.4	1463.3
-50°	1104.4	1142.3	1181.8	1216.9	1246.3	1273.7	1300.4	1324.8	1346.4	1365.5	1379.3
-52.5°	1022.9	1062.8	1094.2	1124.8	1155.3	1185.3	1211.0	1232.9	1252.6	1269.0	1282.3
-55°	909.7	953.1	1002.1	1038.2	1062.3	1080.8	1107.4	1134.4	1153.0	1167.9	1180.5
-57.5°	801.1	826.1	848.9	884.9	930.3	959.9	971.3	976.9	990.0	1011.0	1029.9
-60°	684.0	723.1	739.5	751.1	769.0	795.3	816.6	837.5	847.3	851.0	861.8
-62.5°	569.1	603.8	632.8	652.9	672.0	693.1	709.0	722.9	734.7	744.7	754.0
-65°	465.8	482.7	506.9	534.3	556.4	570.7	576.2	581.7	590.0	607.7	621.9
-67.5°	369.9	391.6	404.7	416.0	431.7	444.9	456.4	465.9	469.9	474.4	481.4
-70°	266.7	277.0	294.1	318.8	334.9	338.6	340.7	342.6	352.3	363.4	371.0
-72.5°	193.9	210.5	222.3	226.7	229.6	234.1	241.7	250.4	259.5	264.6	265.8
-75°	119.1	128.7	138.5	147.1	153.5	158.2	161.2	162.6	162.6	165.1	167.7
-77.5°	66.6	70.5	73.0	75.1	77.9	80.0	81.5	82.3	83.2	86.8	89.7
-80°	36.2	37.5	38.1	39.2	40.6	42.3	43.3	43.5	43.2	43.6	44.0
-82.5°	21.2	22.2	23.1	23.8	24.5	25.0	25.4	25.8	26.2	26.5	26.7
-85°	11.7	12.2	12.7	13.0	13.2	13.4	13.6	13.8	13.9	14.0	14.2
-87.5°	4.0	4.1	4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-35W-7040

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
82.5°	4.7	4.7	4.6	4.5	4.5	4.5	4.5	4.4	4.3	4.1	4.1
80°	15.8	15.8	15.7	15.5	15.6	15.5	15.4	15.1	14.8	14.3	14.0
77.5°	33.3	33.4	33.3	33.0	33.1	33.0	32.7	32.3	31.6	30.8	30.1
75°	66.6	62.5	57.7	52.5	56.0	59.2	61.8	63.7	64.8	64.9	64.2
72.5°	142.0	145.1	145.8	144.4	145.3	144.1	140.5	134.3	125.2	119.8	122.3
70°	284.7	289.7	292.3	292.1	291.5	287.8	281.0	271.3	258.7	246.7	236.7
67.5°	439.2	439.8	437.5	432.0	436.9	438.6	437.4	433.4	424.8	408.4	391.3
65°	612.9	617.5	618.8	616.6	617.6	615.2	609.4	600.7	589.3	578.9	568.7
62.5°	745.1	750.7	747.9	739.1	745.5	745.7	737.3	717.7	703.8	704.5	709.4
60°	940.3	946.0	949.2	949.6	948.1	943.9	937.0	927.7	915.9	906.5	890.5
57.5°	1103.7	1107.8	1105.5	1096.0	1102.6	1101.7	1093.6	1080.0	1059.7	1042.9	1034.3
55°	1296.2	1304.5	1310.0	1311.9	1309.8	1303.9	1294.7	1283.0	1269.1	1243.8	1217.4
52.5°	1400.2	1407.6	1411.7	1412.7	1410.4	1405.0	1396.5	1384.6	1368.7	1349.1	1326.6
50°	1493.6	1502.4	1507.7	1509.6	1507.5	1501.8	1492.7	1480.2	1464.3	1443.9	1419.4
47.5°	1596.5	1607.5	1612.4	1612.2	1611.5	1605.6	1593.7	1577.2	1561.4	1547.5	1526.2
45°	1725.1	1735.9	1742.8	1744.5	1742.0	1734.6	1723.5	1709.8	1685.6	1659.9	1635.0
42.5°	1809.5	1818.4	1824.5	1827.6	1823.8	1816.9	1807.1	1794.0	1774.2	1749.2	1720.9
40°	1870.6	1879.5	1884.8	1886.8	1884.6	1878.8	1869.2	1855.4	1838.8	1816.3	1787.9
37.5°	1941.4	1951.4	1957.6	1960.2	1957.9	1952.5	1943.6	1928.6	1906.2	1879.2	1856.7
35°	1996.7	2007.5	2015.3	2020.1	2016.1	2008.9	1998.8	1984.9	1965.8	1942.1	1914.0
32.5°	2054.2	2065.4	2072.6	2076.4	2072.4	2064.8	2053.9	2038.9	2018.0	1995.7	1969.7
30°	2107.3	2117.1	2123.6	2126.5	2124.7	2118.4	2106.9	2090.2	2070.4	2048.7	2017.3
27.5°	2156.2	2167.0	2172.2	2174.2	2172.0	2166.7	2155.4	2139.4	2120.6	2096.9	2064.0
25°	2194.8	2206.9	2214.1	2217.1	2214.4	2208.4	2198.0	2180.3	2158.9	2136.6	2106.2
22.5°	2231.1	2242.6	2249.3	2252.8	2250.4	2244.8	2231.4	2215.6	2195.7	2169.5	2138.2
20°	2260.4	2272.7	2276.0	2276.8	2275.5	2272.4	2261.3	2244.0	2222.2	2196.0	2167.1
17.5°	2280.8	2294.0	2299.5	2301.7	2299.9	2295.1	2285.1	2268.4	2247.8	2219.2	2188.1
15°	2302.7	2315.3	2324.1	2325.4	2323.0	2317.0	2307.4	2289.0	2268.5	2244.2	2210.4
12.5°	2323.5	2334.1	2341.2	2343.2	2341.4	2335.0	2326.5	2310.0	2283.6	2260.3	2229.9
10°	2338.3	2350.3	2357.5	2357.6	2354.8	2350.9	2340.7	2324.7	2302.9	2272.9	2245.0
7.5°	2351.3	2363.9	2370.7	2370.9	2366.4	2362.0	2350.7	2335.7	2314.2	2287.3	2254.4
5°	2354.1	2367.3	2374.6	2374.2	2373.7	2370.0	2355.6	2341.7	2320.7	2293.2	2261.4
2.5°	2356.9	2367.1	2375.3	2380.2	2378.6	2370.3	2358.9	2343.5	2323.5	2299.3	2265.3
0°	2360.8	2371.6	2380.6	2379.9	2377.8	2369.5	2358.3	2345.1	2323.1	2302.0	2265.1
-2.5°	2356.9	2367.2	2374.3	2371.9	2367.8	2364.4	2354.8	2337.3	2315.8	2292.9	2259.8
-5°	2351.3	2363.2	2366.0	2363.9	2363.3	2357.1	2348.5	2330.5	2309.1	2282.0	2251.8
-7.5°	2339.3	2350.1	2356.6	2353.1	2354.7	2348.7	2339.3	2320.2	2299.0	2272.0	2244.9
-10°	2322.4	2334.5	2340.1	2339.1	2339.4	2334.1	2321.4	2304.4	2283.6	2258.5	2230.4
-12.5°	2298.9	2309.9	2316.7	2318.8	2315.7	2310.7	2302.9	2283.0	2264.8	2238.8	2205.5
-15°	2269.8	2282.2	2289.0	2290.5	2287.8	2281.9	2271.1	2256.7	2236.9	2209.0	2178.4
-17.5°	2238.7	2252.2	2255.8	2255.2	2253.2	2248.5	2239.5	2225.4	2200.8	2177.1	2147.8
-20°	2201.7	2214.0	2219.3	2220.7	2217.7	2212.2	2202.0	2184.6	2165.8	2137.8	2109.1



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-35W-7040

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2160.8	2172.4	2176.9	2177.4	2176.7	2170.7	2161.1	2141.9	2118.9	2095.6	2069.5
-25°	2112.4	2121.9	2126.6	2126.5	2125.5	2120.1	2109.9	2091.1	2071.7	2050.9	2023.1
-27.5°	2061.7	2072.3	2077.7	2078.1	2074.9	2068.1	2056.9	2043.3	2026.0	2000.2	1972.7
-30°	2005.2	2015.4	2020.4	2020.4	2020.2	2015.4	2006.4	1988.2	1966.5	1943.7	1917.5
-32.5°	1931.5	1941.5	1946.9	1947.0	1946.9	1941.4	1931.2	1918.0	1900.3	1874.8	1844.7
-35°	1861.5	1872.1	1878.2	1879.6	1877.3	1870.2	1858.3	1843.6	1827.4	1805.2	1778.6
-37.5°	1790.8	1800.6	1806.7	1808.7	1806.4	1800.2	1790.1	1775.9	1757.8	1735.8	1712.4
-40°	1714.0	1724.2	1730.4	1732.6	1729.6	1722.5	1711.2	1696.1	1679.3	1659.8	1638.6
-42.5°	1635.1	1644.4	1650.0	1651.8	1648.4	1641.3	1630.7	1616.7	1602.4	1584.2	1562.0
-45°	1555.0	1564.7	1570.9	1573.4	1570.5	1564.2	1554.9	1542.9	1526.2	1505.6	1483.3
-47.5°	1473.7	1481.6	1486.3	1487.7	1484.9	1478.8	1469.4	1456.2	1440.3	1422.4	1402.0
-50°	1388.8	1395.2	1398.4	1398.3	1396.4	1391.2	1382.7	1371.0	1356.1	1338.0	1317.5
-52.5°	1292.3	1299.0	1302.3	1302.3	1300.7	1295.8	1287.7	1276.4	1262.5	1247.0	1227.4
-55°	1190.4	1197.4	1201.3	1201.9	1199.8	1194.4	1185.5	1173.1	1157.6	1142.9	1123.8
-57.5°	1039.1	1043.9	1043.8	1037.7	1041.9	1040.4	1034.4	1024.4	1003.6	980.7	965.2
-60°	869.8	874.9	877.3	876.8	875.5	871.6	865.0	856.1	844.9	840.2	829.5
-62.5°	760.9	765.3	767.3	767.0	766.1	762.8	756.9	748.4	738.1	728.2	716.9
-65°	629.6	631.5	628.3	620.9	627.1	629.1	626.1	617.3	602.1	583.9	575.7
-67.5°	486.9	490.5	492.3	492.4	492.0	490.0	486.1	480.5	473.0	466.0	458.8
-70°	373.9	373.0	368.9	362.3	367.7	370.7	370.8	367.1	359.1	347.8	338.1
-72.5°	266.8	267.4	267.1	265.6	266.7	266.6	265.7	264.4	263.0	257.1	246.3
-75°	169.4	170.2	170.0	169.0	169.1	168.3	166.7	164.2	160.8	157.3	155.4
-77.5°	91.8	92.9	93.2	92.8	92.7	91.9	90.3	87.8	84.4	80.5	78.9
-80°	44.2	44.2	44.1	43.8	43.8	43.6	43.3	42.9	42.3	41.5	40.8
-82.5°	26.9	26.9	26.9	26.8	26.7	26.6	26.4	26.1	25.8	25.3	24.7
-85°	14.2	14.3	14.3	14.2	14.2	14.1	14.0	13.8	13.6	13.4	13.1
-87.5°	4.6	4.6	4.6	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-35W-7040

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
85°	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	4.1	4.0	4.0	3.9	3.8	3.7	3.4	3.1	2.7	2.2	1.7
80°	13.6	13.0	12.3	11.5	10.8	10.0	9.1	8.3	7.9	7.4	6.8
77.5°	29.3	28.3	27.1	25.8	24.6	23.8	21.9	19.5	17.8	15.9	14.1
75°	62.8	60.8	58.3	55.3	51.9	48.5	45.0	42.3	39.8	36.0	31.0
72.5°	124.0	124.9	121.9	112.3	99.2	94.9	89.2	80.9	72.5	64.1	59.0
70°	235.4	234.5	232.1	215.5	195.2	183.0	174.6	159.1	140.0	122.0	101.5
67.5°	370.9	366.6	365.4	353.1	319.6	296.6	281.7	256.9	230.9	208.4	182.2
65°	555.7	540.3	522.4	502.4	463.1	427.7	404.8	373.0	346.6	307.1	271.9
62.5°	706.0	689.3	664.5	640.0	614.5	586.9	551.0	503.9	456.7	410.1	385.3
60°	867.0	832.1	812.0	802.9	773.6	730.5	683.5	643.1	597.8	539.9	482.4
57.5°	1029.0	1008.6	962.2	921.3	895.7	877.3	846.2	795.5	726.3	665.1	602.6
55°	1186.1	1161.2	1142.0	1101.6	1047.8	992.2	958.2	929.2	876.6	800.6	709.9
52.5°	1299.9	1269.6	1238.3	1206.5	1170.0	1126.5	1071.0	1026.3	982.9	921.4	841.2
50°	1391.7	1361.2	1332.4	1303.2	1262.5	1215.4	1168.8	1117.7	1062.0	1009.9	948.2
47.5°	1494.0	1455.1	1423.4	1395.5	1365.0	1321.6	1259.5	1199.7	1144.1	1081.3	1024.7
45°	1610.3	1577.9	1527.0	1482.7	1447.8	1413.2	1369.7	1294.0	1224.1	1158.1	1089.5
42.5°	1691.2	1665.5	1625.6	1577.7	1528.1	1487.1	1444.0	1383.4	1309.7	1236.7	1160.1
40°	1754.5	1722.8	1687.6	1650.6	1603.0	1554.1	1502.9	1446.8	1382.0	1309.0	1236.0
37.5°	1823.7	1784.9	1743.9	1704.8	1663.1	1614.2	1559.7	1502.0	1439.6	1369.2	1297.4
35°	1881.2	1848.4	1805.8	1759.7	1712.9	1668.4	1614.9	1555.2	1490.8	1422.7	1346.9
32.5°	1935.8	1898.7	1859.2	1815.1	1766.3	1714.8	1665.0	1605.5	1540.8	1468.3	1392.8
30°	1987.3	1950.8	1907.0	1862.3	1814.2	1763.2	1707.2	1652.4	1585.4	1513.0	1432.5
27.5°	2031.1	1995.5	1955.7	1904.4	1855.1	1804.4	1750.9	1690.2	1627.4	1550.8	1468.1
25°	2070.1	2034.2	1992.0	1944.5	1891.1	1838.9	1787.6	1728.6	1660.1	1584.5	1505.3
22.5°	2106.4	2065.8	2022.4	1976.6	1925.5	1870.8	1813.7	1757.2	1688.1	1617.3	1534.6
20°	2133.1	2094.7	2049.1	2001.8	1950.5	1897.5	1840.9	1781.7	1715.5	1641.5	1559.4
17.5°	2156.3	2117.3	2073.5	2023.3	1975.4	1920.7	1863.7	1801.6	1738.1	1663.2	1582.3
15°	2173.9	2136.1	2094.0	2046.9	1994.6	1941.2	1882.6	1821.5	1755.5	1681.6	1603.0
12.5°	2193.1	2153.4	2110.7	2062.5	2011.5	1958.0	1899.4	1836.9	1769.7	1696.9	1618.3
10°	2208.3	2168.4	2124.3	2078.0	2024.9	1968.8	1910.8	1849.8	1783.2	1711.0	1631.6
7.5°	2219.7	2179.5	2135.3	2087.5	2034.4	1979.0	1921.7	1859.5	1793.6	1721.2	1641.4
5°	2227.5	2186.0	2143.1	2094.7	2041.1	1985.0	1928.4	1866.2	1800.3	1727.4	1647.4
2.5°	2230.8	2189.1	2145.2	2098.2	2044.7	1987.4	1930.5	1869.4	1803.2	1730.3	1649.6
0°	2228.4	2187.7	2142.5	2097.8	2044.4	1985.8	1928.6	1868.8	1802.4	1729.5	1648.2
-2.5°	2227.2	2186.0	2140.2	2095.7	2042.7	1984.3	1927.9	1867.5	1800.8	1728.9	1648.5
-5°	2220.5	2179.4	2133.0	2091.1	2036.7	1978.7	1923.6	1862.6	1795.8	1724.8	1645.1
-7.5°	2208.5	2167.0	2120.0	2081.6	2026.8	1970.0	1915.4	1854.1	1787.7	1717.6	1637.9
-10°	2191.4	2151.9	2108.1	2065.8	2012.6	1958.6	1903.4	1842.3	1776.7	1705.7	1626.6
-12.5°	2171.0	2132.2	2093.5	2044.8	1992.8	1940.6	1885.3	1825.1	1761.2	1689.4	1611.9
-15°	2145.0	2110.1	2068.9	2022.0	1970.4	1916.9	1861.2	1800.4	1739.6	1671.5	1595.2
-17.5°	2113.4	2079.7	2036.9	1991.8	1943.4	1888.9	1833.1	1775.6	1715.2	1645.1	1565.3
-20°	2080.0	2040.8	2001.3	1958.9	1908.2	1856.3	1801.6	1743.0	1681.7	1613.6	1534.4



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-35W-7040

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2035.6	2000.5	1961.0	1918.7	1869.9	1818.9	1768.4	1710.8	1648.1	1577.7	1504.2
-25°	1991.3	1954.1	1919.2	1873.7	1828.1	1780.1	1723.8	1671.3	1610.1	1536.7	1466.3
-27.5°	1941.9	1908.9	1867.6	1827.1	1783.0	1730.5	1680.0	1626.6	1562.8	1498.4	1416.6
-30°	1882.5	1849.0	1814.2	1776.4	1726.5	1676.4	1627.9	1574.6	1516.2	1449.6	1367.9
-32.5°	1818.1	1788.6	1756.3	1711.0	1662.6	1619.6	1572.2	1518.3	1464.0	1390.3	1317.6
-35°	1753.7	1724.6	1686.0	1643.9	1600.4	1558.2	1511.2	1462.0	1399.6	1333.2	1264.2
-37.5°	1683.1	1653.0	1617.3	1577.9	1538.2	1492.8	1449.1	1395.7	1338.0	1275.9	1213.9
-40°	1609.2	1579.0	1546.9	1512.4	1469.6	1426.4	1380.7	1331.5	1276.4	1218.1	1154.0
-42.5°	1536.0	1506.9	1473.7	1438.2	1400.2	1358.6	1314.5	1266.2	1212.5	1155.6	1079.5
-45°	1456.7	1426.9	1398.0	1364.3	1329.3	1289.1	1246.1	1195.2	1143.8	1078.6	1015.4
-47.5°	1376.9	1349.0	1321.1	1289.4	1254.8	1215.3	1168.1	1121.8	1065.6	1009.9	945.9
-50°	1294.2	1268.5	1241.1	1210.2	1171.4	1130.4	1089.0	1043.7	993.3	936.2	870.5
-52.5°	1205.9	1180.4	1148.3	1114.4	1081.2	1043.9	1005.5	961.8	913.1	851.5	795.8
-55°	1097.6	1071.6	1048.2	1020.5	984.1	936.9	896.3	858.5	818.9	767.5	692.3
-57.5°	957.2	944.0	914.0	871.6	837.7	812.0	788.0	759.4	700.3	638.9	594.4
-60°	808.8	788.0	763.3	744.1	730.1	711.2	670.6	624.9	582.3	551.0	516.4
-62.5°	702.5	685.7	663.9	643.9	622.4	592.2	553.8	524.3	499.8	473.5	435.4
-65°	570.2	563.9	544.3	514.6	491.2	470.6	455.5	436.7	409.1	354.6	321.5
-67.5°	447.3	434.7	420.7	404.9	394.7	379.6	350.9	319.9	294.3	276.8	252.6
-70°	334.4	328.9	320.5	305.1	284.0	268.4	257.5	242.4	222.0	202.1	182.1
-72.5°	236.2	227.2	220.6	213.1	203.0	191.9	179.6	165.9	150.7	134.1	116.4
-75°	152.5	148.3	142.9	136.1	127.9	118.1	107.1	96.4	88.2	80.3	71.8
-77.5°	77.1	74.5	70.9	66.3	62.7	59.5	55.4	51.4	48.0	43.5	38.9
-80°	39.9	38.7	37.2	35.8	34.4	33.0	31.1	28.9	27.0	24.9	22.8
-82.5°	24.1	23.4	22.8	22.1	21.3	20.3	19.2	18.1	16.9	15.7	14.5
-85°	12.7	12.3	11.8	11.3	10.8	10.1	9.4	8.7	8.2	7.6	7.0
-87.5°	4.3	4.2	4.1	3.9	3.7	3.5	3.3	3.1	3.0	2.8	2.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-35W-7040

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	1.3	1.3	1.2	1.0	0.6	0.5	0.5	0.5	0.4	0.4	0.4
80°	6.0	5.3	4.6	4.0	3.4	2.8	2.1	1.3	0.8	0.7	0.6
77.5°	12.3	10.5	9.2	7.6	6.5	5.6	4.7	3.8	2.7	1.6	1.0
75°	25.8	22.3	17.3	14.3	11.6	9.4	7.4	6.3	5.0	3.7	2.3
72.5°	52.5	45.8	38.4	30.6	22.3	15.8	12.2	9.4	7.3	5.8	4.2
70°	89.6	77.4	63.6	54.1	44.2	32.6	19.8	14.5	10.7	7.9	6.0
67.5°	155.8	128.8	107.4	87.6	66.8	53.4	39.1	24.2	15.6	11.1	7.9
65°	236.8	202.5	168.9	134.9	109.1	80.0	59.4	41.8	24.7	15.3	10.4
62.5°	332.8	284.7	240.6	199.8	159.0	122.3	88.0	61.1	40.5	21.2	13.5
60°	432.8	388.7	325.1	268.3	218.7	170.5	127.3	87.9	56.5	35.1	17.8
57.5°	537.0	476.1	426.3	352.9	281.6	224.2	171.3	123.0	80.6	48.9	25.7
55°	647.8	572.7	507.0	446.2	356.4	281.0	218.9	161.9	110.2	66.5	37.6
52.5°	747.1	674.6	591.4	517.1	438.1	343.9	268.1	203.5	143.5	89.4	49.4
50°	864.6	763.7	684.3	587.6	501.1	413.7	320.7	244.4	178.7	115.7	62.9
47.5°	957.6	868.8	760.8	664.6	564.4	472.6	374.2	288.7	213.7	144.2	82.0
45°	1028.0	954.2	847.0	730.2	628.1	527.8	433.0	332.1	247.7	173.2	101.5
42.5°	1087.1	1017.7	924.7	802.2	690.1	581.8	479.0	373.6	283.9	200.4	121.5
40°	1146.7	1068.9	983.6	879.0	746.2	635.7	525.6	421.1	320.7	226.4	142.7
37.5°	1216.4	1115.0	1033.8	933.5	810.7	683.9	570.3	459.7	348.9	251.3	163.8
35°	1267.1	1170.3	1073.7	983.5	868.6	728.1	612.9	496.0	379.7	277.3	183.8
32.5°	1310.4	1219.3	1114.4	1024.4	912.5	783.4	652.7	531.4	413.2	303.5	202.8
30°	1352.3	1256.4	1158.0	1056.8	954.6	828.0	684.6	564.8	441.6	325.9	220.5
27.5°	1388.8	1296.7	1193.8	1089.4	989.9	864.6	718.3	595.8	466.7	344.6	237.4
25°	1418.9	1333.9	1222.6	1120.7	1018.9	897.4	757.6	624.4	491.2	362.4	252.9
22.5°	1444.4	1363.0	1251.0	1147.5	1042.2	928.9	790.1	650.5	514.4	382.8	267.9
20°	1470.4	1384.3	1285.6	1170.4	1064.9	956.4	818.7	670.3	535.2	400.7	282.4
17.5°	1496.9	1404.7	1312.0	1190.7	1085.4	976.9	843.4	687.5	553.7	416.0	295.1
15°	1515.6	1421.6	1334.4	1208.2	1102.2	994.7	861.9	703.6	569.7	428.5	306.0
12.5°	1531.8	1434.9	1348.3	1223.5	1115.9	1007.5	877.4	718.9	583.2	439.0	314.6
10°	1543.9	1448.3	1360.9	1237.6	1126.5	1016.8	889.7	730.1	594.1	447.4	320.7
7.5°	1552.7	1458.5	1370.5	1246.8	1133.7	1023.5	898.6	737.7	602.4	453.6	325.3
5°	1558.2	1464.1	1376.1	1251.3	1138.0	1027.6	904.2	741.7	608.1	457.8	328.4
2.5°	1559.8	1465.6	1378.7	1251.6	1139.2	1029.0	906.5	742.5	611.1	459.7	330.0
0°	1557.9	1463.3	1378.3	1248.1	1137.5	1027.8	905.7	740.4	611.4	459.5	330.2
-2.5°	1558.3	1464.6	1377.0	1248.8	1138.0	1027.7	906.0	742.6	611.8	460.0	330.8
-5°	1554.9	1462.2	1372.8	1246.0	1135.4	1024.8	903.4	741.9	609.5	458.4	330.0
-7.5°	1547.4	1455.7	1365.7	1239.7	1129.6	1019.3	897.9	738.0	604.8	454.6	327.5
-10°	1537.4	1444.8	1353.5	1229.9	1120.7	1011.2	889.6	730.6	597.6	448.8	323.4
-12.5°	1525.0	1429.9	1335.8	1216.3	1108.1	1000.3	878.0	719.5	587.9	441.0	317.5
-15°	1508.7	1412.3	1314.7	1200.6	1092.1	986.1	863.5	704.5	575.0	431.1	309.7
-17.5°	1488.1	1391.2	1289.9	1182.3	1073.4	967.9	846.4	689.0	559.3	419.4	300.2
-20°	1453.5	1367.0	1262.8	1160.0	1052.5	947.4	821.7	672.6	541.1	406.0	289.3



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-35W-7040

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1415.8	1331.1	1230.3	1134.0	1029.1	923.9	791.9	654.0	519.8	390.9	277.0
-25°	1377.9	1291.0	1197.7	1098.3	1003.2	898.1	758.8	631.3	495.6	374.0	263.6
-27.5°	1337.8	1249.6	1160.9	1061.3	969.3	868.5	720.1	607.0	470.6	355.5	249.0
-30°	1290.3	1208.7	1115.8	1023.3	932.1	828.0	687.9	575.4	447.0	334.7	233.0
-32.5°	1242.5	1164.2	1066.8	981.7	891.9	780.7	658.2	540.8	421.9	313.2	215.9
-35°	1196.3	1106.1	1021.3	936.7	849.3	727.0	623.3	502.4	395.0	291.7	197.6
-37.5°	1136.4	1048.4	969.6	888.7	797.4	685.5	580.8	466.7	365.2	268.9	179.9
-40°	1066.6	992.7	916.2	840.3	740.5	641.0	534.7	432.2	331.7	244.7	164.2
-42.5°	1008.7	931.9	861.7	783.9	689.7	589.4	488.3	394.3	301.9	219.2	147.7
-45°	944.1	872.0	806.4	724.8	631.0	537.0	445.7	351.2	270.7	192.4	130.7
-47.5°	877.4	814.4	747.8	664.2	570.3	485.8	397.5	310.1	238.1	171.9	113.1
-50°	811.1	745.9	681.3	589.6	514.7	432.8	344.4	272.2	205.0	149.6	94.9
-52.5°	728.6	664.8	591.9	529.8	456.6	372.2	296.7	234.2	176.0	126.1	79.1
-55°	634.2	576.7	525.7	467.1	387.3	312.2	253.0	196.7	148.1	102.8	63.7
-57.5°	550.8	507.8	455.0	386.4	317.2	261.8	211.3	163.7	119.7	81.6	49.7
-60°	477.9	425.4	362.9	309.1	260.7	216.1	172.0	129.8	93.5	62.4	37.4
-62.5°	374.1	329.0	288.7	248.8	212.1	172.1	132.8	100.1	70.6	45.7	27.0
-65°	292.2	260.7	226.7	196.6	163.2	127.4	99.8	73.6	51.1	33.0	22.6
-67.5°	223.0	198.0	171.1	142.5	114.5	93.5	70.6	51.6	35.5	24.5	18.1
-70°	160.6	137.8	113.8	98.1	81.1	63.0	47.8	34.7	25.1	19.0	13.8
-72.5°	101.7	89.9	76.7	62.8	52.2	41.5	30.6	23.6	18.6	14.2	9.5
-75°	61.8	53.8	45.7	38.9	31.6	25.7	20.3	17.0	13.4	9.5	6.8
-77.5°	34.8	30.1	26.8	22.8	19.8	17.3	14.6	11.6	8.8	6.5	4.8
-80°	21.0	19.2	17.4	15.5	13.6	11.5	9.2	7.2	5.6	4.4	3.2
-82.5°	13.1	11.7	10.3	8.8	7.3	6.3	5.3	4.3	3.5	2.7	2.1
-85°	6.4	5.7	5.0	4.4	3.9	3.4	2.8	2.3	1.9	1.6	1.3
-87.5°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.1	0.9	0.8	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-35W-7040

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.3	0.3	0.3	0.2	0.1	0.1	0.0
82.5°	0.4	0.4	0.4	0.3	0.2	0.1	0.0
80°	0.5	0.5	0.4	0.4	0.3	0.1	0.0
77.5°	0.7	0.6	0.5	0.4	0.3	0.2	0.0
75°	1.1	0.8	0.6	0.5	0.4	0.2	0.0
72.5°	2.4	1.2	0.8	0.6	0.4	0.2	0.0
70°	4.1	2.0	1.1	0.7	0.5	0.3	0.0
67.5°	5.6	3.4	1.4	0.8	0.5	0.3	0.0
65°	7.3	4.7	2.1	1.0	0.6	0.3	0.0
62.5°	8.9	5.9	3.1	1.3	0.7	0.3	0.0
60°	11.3	7.3	4.1	1.5	0.7	0.4	0.0
57.5°	13.9	8.7	5.1	1.8	0.8	0.4	0.0
55°	18.4	10.3	6.1	2.5	0.9	0.4	0.0
52.5°	23.8	12.3	7.0	3.2	1.0	0.4	0.0
50°	33.4	14.3	8.1	3.9	1.2	0.5	0.0
47.5°	42.6	18.6	9.2	4.5	1.3	0.5	0.0
45°	51.7	23.1	10.3	5.1	1.5	0.5	0.0
42.5°	60.3	28.8	11.7	5.8	1.6	0.5	0.0
40°	74.4	35.5	13.1	6.3	1.7	0.6	0.0
37.5°	87.8	42.0	14.3	6.9	1.9	0.6	0.0
35°	101.6	48.1	17.1	7.5	2.2	0.6	0.0
32.5°	115.3	53.9	20.4	8.1	2.5	0.6	0.0
30°	128.0	59.4	23.6	8.7	2.8	0.7	0.0
27.5°	141.2	65.3	26.8	9.3	3.1	0.7	0.0
25°	153.3	73.1	30.0	9.8	3.4	0.7	0.0
22.5°	164.2	80.1	33.4	10.3	3.6	0.7	0.0
20°	174.1	86.5	36.5	10.8	3.8	0.8	0.0
17.5°	183.4	92.1	39.3	11.3	4.0	0.8	0.0
15°	191.4	97.3	41.8	11.8	4.2	0.8	0.0
12.5°	198.1	102.3	43.9	12.2	4.3	0.8	0.0
10°	203.6	106.4	45.7	12.5	4.4	0.8	0.0
7.5°	207.8	109.6	47.2	12.7	4.5	0.8	0.0
5°	210.8	111.9	48.4	12.9	4.6	0.8	0.0
2.5°	212.4	113.4	49.2	13.1	4.7	0.8	0.0
0°	212.8	114.0	49.7	13.1	4.7	0.8	0.0
-2.5°	213.3	114.6	50.0	13.3	4.7	0.9	0.0
-5°	212.6	114.4	50.0	13.5	4.7	0.9	0.0
-7.5°	210.6	113.4	49.6	13.5	4.7	0.9	0.0
-10°	207.3	111.4	48.9	13.5	4.7	0.9	0.0
-12.5°	202.7	108.7	47.8	13.5	4.6	0.9	0.0
-15°	196.8	105.1	46.3	13.3	4.5	0.9	0.0
-17.5°	189.6	101.2	44.4	13.1	4.4	0.9	0.0
-20°	181.1	96.8	42.2	12.8	4.3	0.8	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P622919 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-35W-7040

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	172.8	91.6	39.6	12.4	4.1	0.8	0.0
-25°	164.2	85.7	36.6	12.1	3.9	0.8	0.0
-27.5°	154.7	79.1	33.5	11.6	3.7	0.8	0.0
-30°	144.4	73.6	30.2	11.1	3.5	0.8	0.0
-32.5°	133.6	68.2	26.6	10.5	3.2	0.8	0.0
-35°	121.9	62.1	22.8	9.9	2.9	0.7	0.0
-37.5°	109.9	55.7	19.7	9.2	2.7	0.7	0.0
-40°	97.6	49.2	18.5	8.5	2.5	0.7	0.0
-42.5°	84.5	42.2	17.2	7.8	2.4	0.7	0.0
-45°	74.3	35.5	15.7	7.0	2.2	0.6	0.0
-47.5°	63.4	29.3	14.3	6.1	2.0	0.6	0.0
-50°	53.0	22.8	12.9	5.4	1.9	0.6	0.0
-52.5°	42.3	20.6	11.3	4.8	1.7	0.6	0.0
-55°	33.6	18.2	9.8	4.1	1.5	0.5	0.0
-57.5°	25.1	15.9	8.2	3.4	1.4	0.5	0.0
-60°	21.9	13.5	6.5	3.0	1.3	0.5	0.0
-62.5°	18.6	11.0	5.5	2.6	1.1	0.4	0.0
-65°	15.3	8.5	4.5	2.2	1.0	0.4	0.0
-67.5°	11.8	6.5	3.6	1.9	0.9	0.4	0.0
-70°	8.2	5.1	3.0	1.6	0.8	0.3	0.0
-72.5°	6.3	4.0	2.3	1.3	0.7	0.3	0.0
-75°	4.7	3.0	1.9	1.0	0.6	0.2	0.0
-77.5°	3.4	2.3	1.4	0.9	0.5	0.2	0.0
-80°	2.4	1.6	1.1	0.7	0.4	0.2	0.0
-82.5°	1.5	1.2	0.8	0.5	0.3	0.1	0.0
-85°	1.0	0.8	0.5	0.4	0.2	0.1	0.0
-87.5°	0.5	0.4	0.3	0.2	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)