

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645506 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5B-735-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645506 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5B-735-U-LAM-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

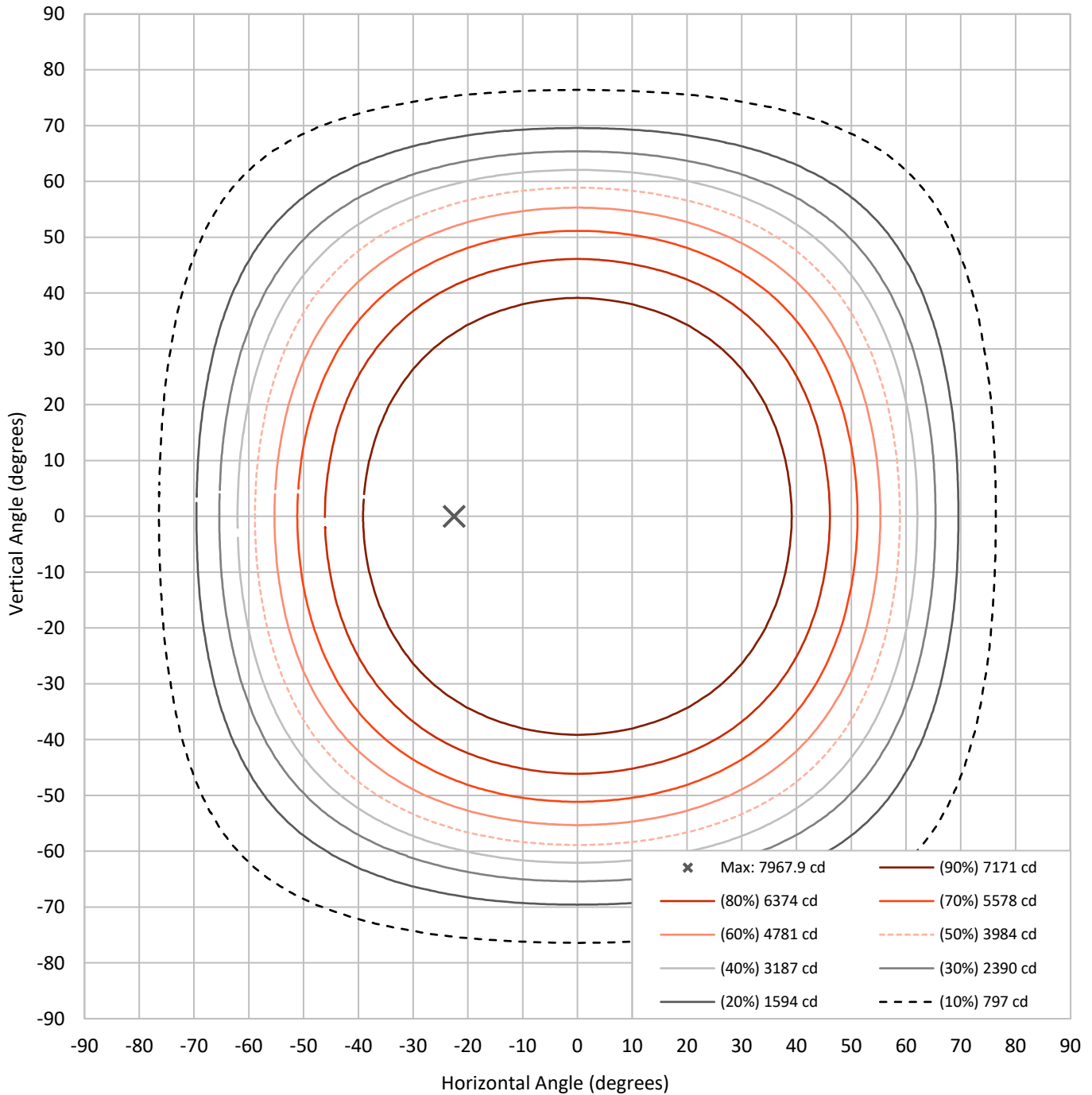
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	24374.3 lumens	Max Intensity:	7967.9 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	153.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	20284.8 lumens	Field Lumens:	23895 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	158.7		
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		



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Iso-Candela Plot





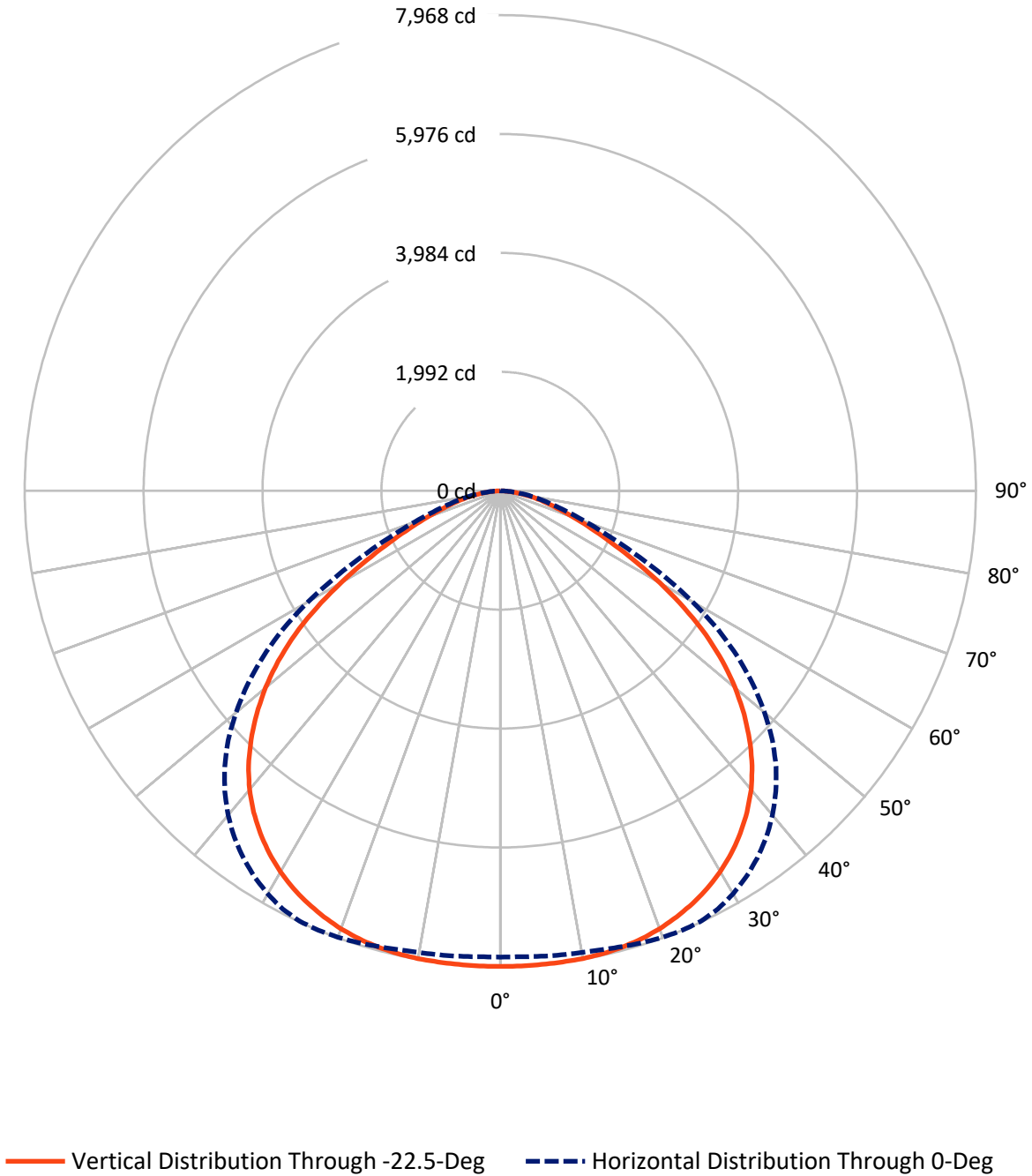
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Lumen Table

90																		
80	1.2	12.6	35.7	59.4	69.6	59.4	35.7	12.6	1.2									
70																		
60	6.0	7.1	14.8	25.9	40.1	55.3	68.4	75.6	75.6	68.4	55.3	40.1	25.9	14.8	7.1	6.0		
50																		
40	11.4	11.0	25.3	49.0	80.1	110.2	132.7	144.6	144.6	132.7	110.2	80.1	49.0	25.3	11.0	11.4		
30																		
20	15.6	15.7	40.0	79.6	122.1	157.6	182.7	195.6	195.6	182.7	157.6	122.1	79.6	40.0	15.7	15.6		
10																		
0	17.2	21.1	56.6	105.6	151.8	188.7	213.5	225.9	225.9	213.5	188.7	151.8	105.6	56.6	21.1	17.2		
-10																		
-20	15.6	26.4	70.4	123.3	170.7	206.6	229.6	239.8	239.8	229.6	206.6	170.7	123.3	70.4	26.4	15.6		
-30																		
-40	11.4	30.7	79.5	134.1	181.2	215.4	233.6	239.9	239.9	233.6	215.4	181.2	134.1	79.5	30.7	11.4		
-50																		
-60	6.0	32.9	84.0	139.2	185.9	218.2	232.6	237.7	237.7	232.6	218.2	185.9	139.2	84.0	32.9	6.0		
-70																		
-80	1.2	30.7	79.5	134.1	181.2	215.4	233.6	239.9	239.9	233.6	215.4	181.2	134.1	79.5	30.7	1.2		
-90																		

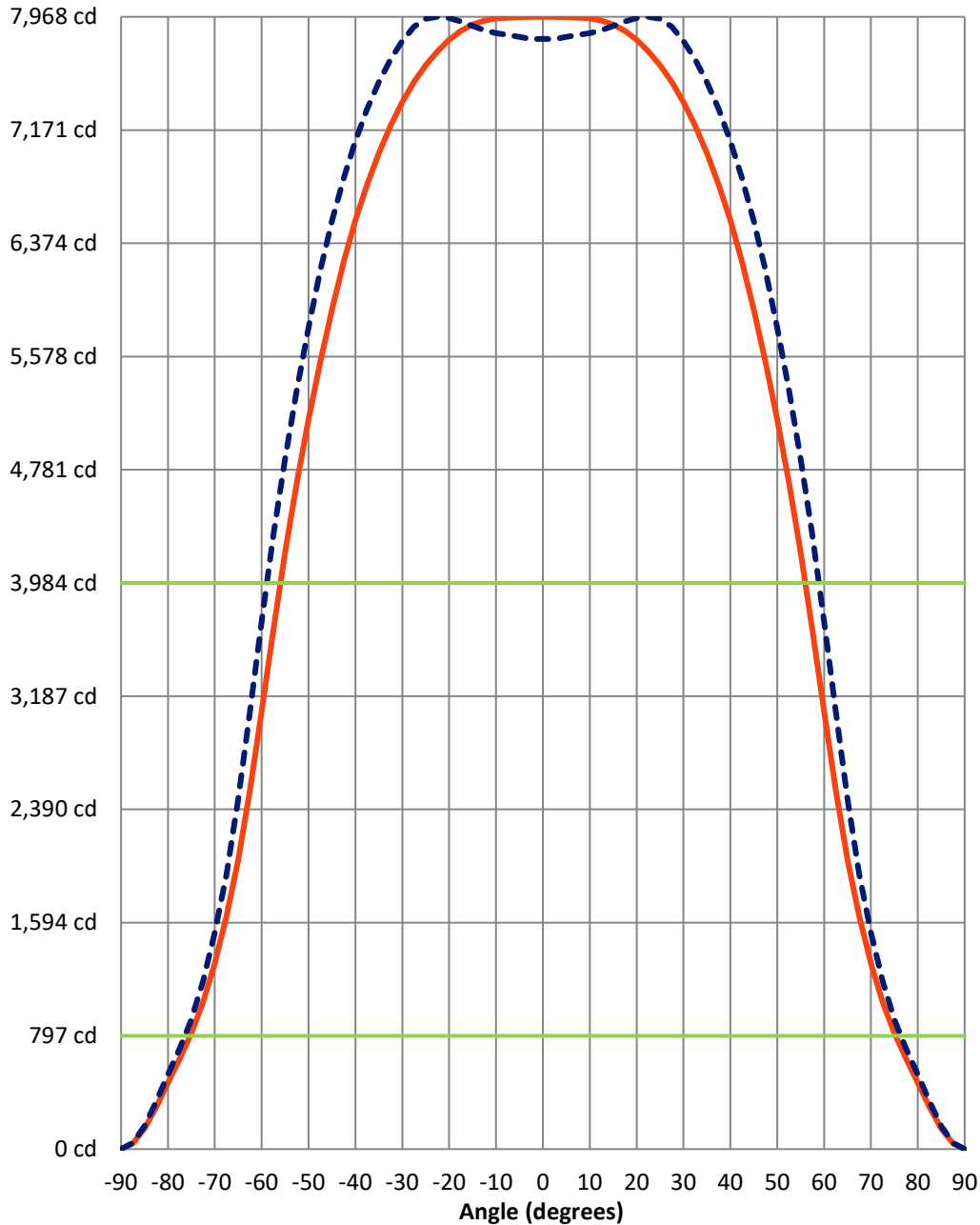
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 20284.8
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 23895
 Efficiency: 98.0%

Spill:
 Lumens: 479.4
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg
 - - Horizontal Distribution through 0-Deg

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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	1.9	3.8	5.7	7.6	9.4	11.3	13.1	14.9	16.7	18.4
85°	0.0	3.8	7.6	11.4	15.1	18.9	22.5	26.2	29.8	33.3	36.8
82.5°	0.0	5.7	11.4	17.0	22.7	28.2	33.8	39.2	46.4	60.8	75.0
80°	0.0	7.6	15.1	22.7	30.1	37.6	47.2	67.0	86.5	105.7	124.6
77.5°	0.0	9.4	18.9	28.2	37.6	52.4	77.3	102.0	126.3	150.3	179.2
75°	0.0	11.3	22.5	33.8	47.2	77.3	107.2	136.7	167.5	209.4	250.5
72.5°	0.0	13.1	26.2	39.2	67.0	102.0	136.7	175.1	224.5	273.2	321.1
70°	0.0	14.9	29.8	46.4	86.5	126.3	167.5	224.5	280.8	336.4	396.4
67.5°	0.0	16.7	33.3	60.8	105.7	150.3	209.4	273.2	336.4	404.8	472.2
65°	0.0	18.4	36.8	75.0	124.6	179.2	250.5	321.1	396.4	472.2	545.7
62.5°	0.0	20.1	40.2	88.9	143.1	212.9	290.9	371.4	455.4	537.7	615.7
60°	0.0	21.8	43.6	102.5	161.2	245.9	330.3	422.0	513.1	599.6	684.3
57.5°	0.0	23.4	52.3	115.7	186.5	278.0	372.3	471.4	567.5	660.1	757.5
55°	0.0	25.0	60.9	128.6	211.6	309.3	413.6	519.6	620.0	720.9	831.9
52.5°	0.0	26.5	69.3	141.1	235.9	340.2	453.8	564.5	671.1	786.1	904.4
50°	0.0	28.0	77.3	153.2	259.4	372.6	492.6	607.8	722.6	849.3	994.3
47.5°	0.0	29.5	85.1	166.2	282.1	403.8	529.9	649.6	776.9	910.5	1083.7
45°	0.0	30.8	92.6	182.5	303.9	433.9	564.3	689.9	829.2	987.5	1170.0
42.5°	0.0	32.1	99.7	198.2	324.8	462.7	597.4	731.5	879.4	1061.9	1271.6
40°	0.0	33.4	106.6	213.1	345.8	490.1	628.9	773.4	932.3	1133.1	1372.0
37.5°	0.0	34.6	113.0	227.3	366.6	516.2	658.9	813.3	992.3	1205.9	1467.7
35°	0.0	35.7	119.2	240.7	386.3	540.2	687.3	851.0	1049.2	1287.2	1565.5
32.5°	0.0	36.8	124.9	253.3	404.8	562.4	715.0	886.5	1102.7	1363.8	1668.3
30°	0.0	37.8	130.3	265.1	422.1	583.1	743.4	922.2	1152.9	1435.6	1764.6
27.5°	0.0	38.7	135.3	276.0	438.2	602.3	769.7	962.7	1204.0	1502.3	1854.3
25°	0.0	39.5	139.8	286.0	453.0	620.0	793.9	1000.0	1258.3	1571.9	1938.1
22.5°	0.0	40.3	144.0	295.2	466.4	636.1	816.0	1034.0	1307.9	1639.3	2035.9
20°	0.0	41.0	147.8	303.4	478.5	650.6	835.8	1064.7	1352.6	1700.2	2124.2
17.5°	0.0	41.6	151.1	310.7	489.3	663.5	853.5	1091.9	1392.3	1754.2	2202.7
15°	0.0	42.1	154.0	317.0	498.7	674.7	868.9	1115.7	1426.9	1801.4	2271.3
12.5°	0.0	42.6	156.5	322.5	506.6	684.3	882.0	1135.9	1456.3	1841.6	2329.7
10°	0.0	42.9	158.5	326.9	513.1	692.1	892.7	1152.5	1480.5	1874.6	2377.7
7.5°	0.0	43.2	160.1	330.3	518.2	698.2	901.1	1165.4	1499.4	1900.3	2415.2
5°	0.0	43.4	161.2	332.8	521.9	702.6	907.1	1174.7	1513.0	1918.8	2442.1
2.5°	0.0	43.6	161.9	334.3	524.1	705.2	910.7	1180.2	1521.1	1929.9	2458.2
0°	0.0	43.6	162.1	334.8	524.8	706.1	911.9	1182.1	1523.8	1933.6	2463.6
-2.5°	0.0	43.6	161.9	334.3	524.1	705.2	910.7	1180.2	1521.1	1929.9	2458.2
-5°	0.0	43.4	161.2	332.8	521.9	702.6	907.1	1174.7	1513.0	1918.8	2442.1
-7.5°	0.0	43.2	160.1	330.3	518.2	698.2	901.1	1165.4	1499.4	1900.3	2415.2
-10°	0.0	42.9	158.5	326.9	513.1	692.1	892.7	1152.5	1480.5	1874.6	2377.7
-12.5°	0.0	42.6	156.5	322.5	506.6	684.3	882.0	1135.9	1456.3	1841.6	2329.7
-15°	0.0	42.1	154.0	317.0	498.7	674.7	868.9	1115.7	1426.9	1801.4	2271.3
-17.5°	0.0	41.6	151.1	310.7	489.3	663.5	853.5	1091.9	1392.3	1754.2	2202.7
-20°	0.0	41.0	147.8	303.4	478.5	650.6	835.8	1064.7	1352.6	1700.2	2124.2

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	40.3	144.0	295.2	466.4	636.1	816.0	1034.0	1307.9	1639.3	2035.9
-25°	0.0	39.5	139.8	286.0	453.0	620.0	793.9	1000.0	1258.3	1571.9	1938.1
-27.5°	0.0	38.7	135.3	276.0	438.2	602.3	769.7	962.7	1204.0	1502.3	1854.3
-30°	0.0	37.8	130.3	265.1	422.1	583.1	743.4	922.2	1152.9	1435.6	1764.6
-32.5°	0.0	36.8	124.9	253.3	404.8	562.4	715.0	886.5	1102.7	1363.8	1668.3
-35°	0.0	35.7	119.2	240.7	386.3	540.2	687.3	851.0	1049.2	1287.2	1565.5
-37.5°	0.0	34.6	113.0	227.3	366.6	516.2	658.9	813.3	992.3	1205.9	1467.7
-40°	0.0	33.4	106.6	213.1	345.8	490.1	628.9	773.4	932.3	1133.1	1372.0
-42.5°	0.0	32.1	99.7	198.2	324.8	462.7	597.4	731.5	879.4	1061.9	1271.6
-45°	0.0	30.8	92.6	182.5	303.9	433.9	564.3	689.9	829.2	987.5	1170.0
-47.5°	0.0	29.5	85.1	166.2	282.1	403.8	529.9	649.6	776.9	910.5	1083.7
-50°	0.0	28.0	77.3	153.2	259.4	372.6	492.6	607.8	722.6	849.3	994.3
-52.5°	0.0	26.5	69.3	141.1	235.9	340.2	453.8	564.5	671.1	786.1	904.4
-55°	0.0	25.0	60.9	128.6	211.6	309.3	413.6	519.6	620.0	720.9	831.9
-57.5°	0.0	23.4	52.3	115.7	186.5	278.0	372.3	471.4	567.5	660.1	757.5
-60°	0.0	21.8	43.6	102.5	161.2	245.9	330.3	422.0	513.1	599.6	684.3
-62.5°	0.0	20.1	40.2	88.9	143.1	212.9	290.9	371.4	455.4	537.7	615.7
-65°	0.0	18.4	36.8	75.0	124.6	179.2	250.5	321.1	396.4	472.2	545.7
-67.5°	0.0	16.7	33.3	60.8	105.7	150.3	209.4	273.2	336.4	404.8	472.2
-70°	0.0	14.9	29.8	46.4	86.5	126.3	167.5	224.5	280.8	336.4	396.4
-72.5°	0.0	13.1	26.2	39.2	67.0	102.0	136.7	175.1	224.5	273.2	321.1
-75°	0.0	11.3	22.5	33.8	47.2	77.3	107.2	136.7	167.5	209.4	250.5
-77.5°	0.0	9.4	18.9	28.2	37.6	52.4	77.3	102.0	126.3	150.3	179.2
-80°	0.0	7.6	15.1	22.7	30.1	37.6	47.2	67.0	86.5	105.7	124.6
-82.5°	0.0	5.7	11.4	17.0	22.7	28.2	33.8	39.2	46.4	60.8	75.0
-85°	0.0	3.8	7.6	11.4	15.1	18.9	22.5	26.2	29.8	33.3	36.8
-87.5°	0.0	1.9	3.8	5.7	7.6	9.4	11.3	13.1	14.9	16.7	18.4
-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):

	-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°	20.1	21.8	23.4	25.0	26.5	28.0	29.5	30.8	32.1	33.4	34.6
85°	40.2	43.6	52.3	60.9	69.3	77.3	85.1	92.6	99.7	106.6	113.0
82.5°	88.9	102.5	115.7	128.6	141.1	153.2	166.2	182.5	198.2	213.1	227.3
80°	143.1	161.2	186.5	211.6	235.9	259.4	282.1	303.9	324.8	345.8	366.6
77.5°	212.9	245.9	278.0	309.3	340.2	372.6	403.8	433.9	462.7	490.1	516.2
75°	290.9	330.3	372.3	413.6	453.8	492.6	529.9	564.3	597.4	628.9	658.9
72.5°	371.4	422.0	471.4	519.6	564.5	607.8	649.6	689.9	731.5	773.4	813.3
70°	455.4	513.1	567.5	620.0	671.1	722.6	776.9	829.2	879.4	932.3	992.3
67.5°	537.7	599.6	660.1	720.9	786.1	849.3	910.5	987.5	1061.9	1133.1	1205.9
65°	615.7	684.3	757.5	831.9	904.4	994.3	1083.7	1170.0	1271.6	1372.0	1467.7
62.5°	692.4	776.0	859.6	950.6	1055.2	1156.8	1274.6	1394.9	1510.6	1641.0	1767.9
60°	776.0	868.9	975.0	1091.9	1212.3	1352.6	1488.6	1639.3	1791.3	1938.1	2118.2
57.5°	859.6	975.0	1104.2	1243.6	1399.7	1557.3	1734.3	1905.6	2111.0	2316.3	2520.5
55°	950.6	1091.9	1243.6	1415.5	1595.4	1791.8	1997.0	2236.2	2467.8	2725.7	2972.8
52.5°	1055.2	1212.3	1399.7	1595.4	1811.0	2047.2	2312.0	2585.9	2874.4	3154.5	3429.2
50°	1156.8	1352.6	1557.3	1791.8	2047.2	2337.4	2645.4	2964.4	3279.3	3586.5	3874.1
47.5°	1274.6	1488.6	1734.3	1997.0	2312.0	2645.4	2994.5	3342.1	3681.8	3996.9	4298.8
45°	1394.9	1639.3	1905.6	2236.2	2585.9	2964.4	3342.1	3713.7	4058.8	4384.5	4669.3
42.5°	1510.6	1791.3	2111.0	2467.8	2874.4	3279.3	3681.8	4058.8	4412.3	4725.9	5012.1
40°	1641.0	1938.1	2316.3	2725.7	3154.5	3586.5	3996.9	4384.5	4725.9	5038.2	5328.0
37.5°	1767.9	2118.2	2520.5	2972.8	3429.2	3874.1	4298.8	4669.3	5012.1	5328.0	5605.9
35°	1888.5	2289.4	2737.4	3212.2	3691.3	4143.8	4557.1	4934.3	5274.9	5581.4	5865.5
32.5°	2022.5	2451.2	2942.8	3442.2	3930.3	4391.0	4800.7	5169.7	5508.3	5819.5	6101.7
30°	2160.7	2625.8	3137.6	3658.9	4154.6	4605.3	5014.3	5387.9	5723.8	6031.2	6307.8
27.5°	2289.4	2790.5	3323.5	3854.9	4359.6	4806.2	5209.7	5577.6	5915.4	6224.9	6492.9
25°	2408.3	2942.8	3495.6	4034.4	4532.2	4979.8	5386.9	5754.5	6090.4	6387.4	6648.0
22.5°	2525.6	3082.2	3653.3	4199.1	4690.7	5135.0	5538.4	5907.0	6243.0	6537.3	6787.4
20°	2639.7	3212.2	3792.5	4345.1	4834.6	5276.0	5676.3	6044.2	6371.3	6656.2	6905.1
17.5°	2741.3	3328.0	3914.2	4463.0	4952.8	5396.4	5798.3	6167.4	6486.6	6763.4	7006.8
15°	2830.0	3429.2	4020.7	4566.2	5054.6	5496.4	5898.3	6263.3	6580.4	6855.0	7096.6
12.5°	2905.6	3515.4	4111.5	4654.4	5141.5	5581.9	5984.0	6343.9	6655.7	6926.7	7163.1
10°	2967.8	3586.5	4186.3	4727.1	5213.3	5652.6	6054.8	6410.7	6718.2	6986.3	7218.5
7.5°	3016.4	3642.0	4244.8	4783.9	5269.5	5708.0	6110.4	6463.1	6767.3	7033.2	7262.2
5°	3051.2	3681.8	4286.8	4824.7	5309.8	5747.8	6150.4	6500.8	6802.6	7067.1	7293.8
2.5°	3072.1	3705.7	4312.1	4849.3	5334.1	5771.8	6174.5	6523.6	6824.0	7087.6	7312.9
0°	3079.1	3713.7	4320.5	4857.5	5342.2	5779.8	6182.5	6531.2	6831.1	7094.4	7319.3
-2.5°	3072.1	3705.7	4312.1	4849.3	5334.1	5771.8	6174.5	6523.6	6824.0	7087.6	7312.9
-5°	3051.2	3681.8	4286.8	4824.7	5309.8	5747.8	6150.4	6500.8	6802.6	7067.1	7293.8
-7.5°	3016.4	3642.0	4244.8	4783.9	5269.5	5708.0	6110.4	6463.1	6767.3	7033.2	7262.2
-10°	2967.8	3586.5	4186.3	4727.1	5213.3	5652.6	6054.8	6410.7	6718.2	6986.3	7218.5
-12.5°	2905.6	3515.4	4111.5	4654.4	5141.5	5581.9	5984.0	6343.9	6655.7	6926.7	7163.1
-15°	2830.0	3429.2	4020.7	4566.2	5054.6	5496.4	5898.3	6263.3	6580.4	6855.0	7096.6
-17.5°	2741.3	3328.0	3914.2	4463.0	4952.8	5396.4	5798.3	6167.4	6486.6	6763.4	7006.8
-20°	2639.7	3212.2	3792.5	4345.1	4834.6	5276.0	5676.3	6044.2	6371.3	6656.2	6905.1

Classified

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

Scaled Data Report



REPORT NUMBER: P645506 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2525.6	3082.2	3653.3	4199.1	4690.7	5135.0	5538.4	5907.0	6243.0	6537.3	6787.4
-25°	2408.3	2942.8	3495.6	4034.4	4532.2	4979.8	5386.9	5754.5	6090.4	6387.4	6648.0
-27.5°	2289.4	2790.5	3323.5	3854.9	4359.6	4806.2	5209.7	5577.6	5915.4	6224.9	6492.9
-30°	2160.7	2625.8	3137.6	3658.9	4154.6	4605.3	5014.3	5387.9	5723.8	6031.2	6307.8
-32.5°	2022.5	2451.2	2942.8	3442.2	3930.3	4391.0	4800.7	5169.7	5508.3	5819.5	6101.7
-35°	1888.5	2289.4	2737.4	3212.2	3691.3	4143.8	4557.1	4934.3	5274.9	5581.4	5865.5
-37.5°	1767.9	2118.2	2520.5	2972.8	3429.2	3874.1	4298.8	4669.3	5012.1	5328.0	5605.9
-40°	1641.0	1938.1	2316.3	2725.7	3154.5	3586.5	3996.9	4384.5	4725.9	5038.2	5328.0
-42.5°	1510.6	1791.3	2111.0	2467.8	2874.4	3279.3	3681.8	4058.8	4412.3	4725.9	5012.1
-45°	1394.9	1639.3	1905.6	2236.2	2585.9	2964.4	3342.1	3713.7	4058.8	4384.5	4669.3
-47.5°	1274.6	1488.6	1734.3	1997.0	2312.0	2645.4	2994.5	3342.1	3681.8	3996.9	4298.8
-50°	1156.8	1352.6	1557.3	1791.8	2047.2	2337.4	2645.4	2964.4	3279.3	3586.5	3874.1
-52.5°	1055.2	1212.3	1399.7	1595.4	1811.0	2047.2	2312.0	2585.9	2874.4	3154.5	3429.2
-55°	950.6	1091.9	1243.6	1415.5	1595.4	1791.8	1997.0	2236.2	2467.8	2725.7	2972.8
-57.5°	859.6	975.0	1104.2	1243.6	1399.7	1557.3	1734.3	1905.6	2111.0	2316.3	2520.5
-60°	776.0	868.9	975.0	1091.9	1212.3	1352.6	1488.6	1639.3	1791.3	1938.1	2118.2
-62.5°	692.4	776.0	859.6	950.6	1055.2	1156.8	1274.6	1394.9	1510.6	1641.0	1767.9
-65°	615.7	684.3	757.5	831.9	904.4	994.3	1083.7	1170.0	1271.6	1372.0	1467.7
-67.5°	537.7	599.6	660.1	720.9	786.1	849.3	910.5	987.5	1061.9	1133.1	1205.9
-70°	455.4	513.1	567.5	620.0	671.1	722.6	776.9	829.2	879.4	932.3	992.3
-72.5°	371.4	422.0	471.4	519.6	564.5	607.8	649.6	689.9	731.5	773.4	813.3
-75°	290.9	330.3	372.3	413.6	453.8	492.6	529.9	564.3	597.4	628.9	658.9
-77.5°	212.9	245.9	278.0	309.3	340.2	372.6	403.8	433.9	462.7	490.1	516.2
-80°	143.1	161.2	186.5	211.6	235.9	259.4	282.1	303.9	324.8	345.8	366.6
-82.5°	88.9	102.5	115.7	128.6	141.1	153.2	166.2	182.5	198.2	213.1	227.3
-85°	40.2	43.6	52.3	60.9	69.3	77.3	85.1	92.6	99.7	106.6	113.0
-87.5°	20.1	21.8	23.4	25.0	26.5	28.0	29.5	30.8	32.1	33.4	34.6
-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: P645506 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-LAM-XX

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°	35.7	36.8	37.8	38.7	39.5	40.3	41.0	41.6	42.1	42.6	42.9
85°	119.2	124.9	130.3	135.3	139.8	144.0	147.8	151.1	154.0	156.5	158.5
82.5°	240.7	253.3	265.1	276.0	286.0	295.2	303.4	310.7	317.0	322.5	326.9
80°	386.3	404.8	422.1	438.2	453.0	466.4	478.5	489.3	498.7	506.6	513.1
77.5°	540.2	562.4	583.1	602.3	620.0	636.1	650.6	663.5	674.7	684.3	692.1
75°	687.3	715.0	743.4	769.7	793.9	816.0	835.8	853.5	868.9	882.0	892.7
72.5°	851.0	886.5	922.2	962.7	1000.0	1034.0	1064.7	1091.9	1115.7	1135.9	1152.5
70°	1049.2	1102.7	1152.9	1204.0	1258.3	1307.9	1352.6	1392.3	1426.9	1456.3	1480.5
67.5°	1287.2	1363.8	1435.6	1502.3	1571.9	1639.3	1700.2	1754.2	1801.4	1841.6	1874.6
65°	1565.5	1668.3	1764.6	1854.3	1938.1	2035.9	2124.2	2202.7	2271.3	2329.7	2377.7
62.5°	1888.5	2022.5	2160.7	2289.4	2408.3	2525.6	2639.7	2741.3	2830.0	2905.6	2967.8
60°	2289.4	2451.2	2625.8	2790.5	2942.8	3082.2	3212.2	3328.0	3429.2	3515.4	3586.5
57.5°	2737.4	2942.8	3137.6	3323.5	3495.6	3653.3	3792.5	3914.2	4020.7	4111.5	4186.3
55°	3212.2	3442.2	3658.9	3854.9	4034.4	4199.1	4345.1	4463.0	4566.2	4654.4	4727.1
52.5°	3691.3	3930.3	4154.6	4359.6	4532.2	4690.7	4834.6	4952.8	5054.6	5141.5	5213.3
50°	4143.8	4391.0	4605.3	4806.2	4979.8	5135.0	5276.0	5396.4	5496.4	5581.9	5652.6
47.5°	4557.1	4800.7	5014.3	5209.7	5386.9	5538.4	5676.3	5798.3	5898.3	5984.0	6054.8
45°	4934.3	5169.7	5387.9	5577.6	5754.5	5907.0	6044.2	6167.4	6263.3	6343.9	6410.7
42.5°	5274.9	5508.3	5723.8	5915.4	6090.4	6243.0	6371.3	6486.6	6580.4	6655.7	6718.2
40°	5581.4	5819.5	6031.2	6224.9	6387.4	6537.3	6656.2	6763.4	6855.0	6926.7	6986.3
37.5°	5865.5	6101.7	6307.8	6492.9	6648.0	6787.4	6905.1	7006.8	7096.6	7163.1	7218.5
35°	6125.3	6349.7	6553.6	6723.4	6877.1	7008.3	7124.2	7218.0	7301.4	7364.9	7415.4
32.5°	6349.7	6572.2	6761.5	6928.6	7078.7	7201.2	7312.3	7398.2	7473.9	7535.0	7581.9
30°	6553.6	6761.5	6945.9	7111.5	7248.2	7367.5	7467.6	7551.5	7621.4	7679.6	7720.9
27.5°	6723.4	6928.6	7111.5	7264.1	7395.0	7509.8	7601.4	7682.2	7743.2	7796.8	7832.3
25°	6877.1	7078.7	7248.2	7395.0	7522.0	7626.8	7714.0	7787.2	7841.3	7887.3	7913.7
22.5°	7008.3	7201.2	7367.5	7509.8	7626.8	7724.8	7807.0	7869.0	7913.3	7941.0	7956.7
20°	7124.2	7312.3	7467.6	7601.4	7714.0	7807.0	7878.3	7924.2	7955.0	7962.6	7967.1
17.5°	7218.0	7398.2	7551.5	7682.2	7787.2	7869.0	7924.2	7956.5	7965.7	7964.0	7959.5
15°	7301.4	7473.9	7621.4	7743.2	7841.3	7913.3	7955.0	7965.7	7963.0	7953.7	7939.3
12.5°	7364.9	7535.0	7679.6	7796.8	7887.3	7941.0	7962.6	7964.0	7953.7	7935.8	7915.4
10°	7415.4	7581.9	7720.9	7832.3	7913.7	7956.7	7967.1	7959.5	7939.3	7915.4	7892.8
7.5°	7455.3	7619.1	7753.7	7860.7	7931.0	7961.5	7963.7	7949.4	7925.2	7898.0	7873.6
5°	7484.2	7646.1	7777.6	7881.4	7943.7	7965.0	7961.3	7941.4	7913.4	7885.0	7862.6
2.5°	7501.7	7662.5	7792.1	7894.0	7951.4	7967.2	7959.7	7936.5	7905.9	7876.7	7855.4
0°	7507.6	7668.0	7797.0	7898.2	7954.0	7967.9	7959.2	7934.8	7903.4	7873.8	7852.8
-2.5°	7501.7	7662.5	7792.1	7894.0	7951.4	7967.2	7959.7	7936.5	7905.9	7876.7	7855.4
-5°	7484.2	7646.1	7777.6	7881.4	7943.7	7965.0	7961.3	7941.4	7913.4	7885.0	7862.6
-7.5°	7455.3	7619.1	7753.7	7860.7	7931.0	7961.5	7963.7	7949.4	7925.2	7898.0	7873.6
-10°	7415.4	7581.9	7720.9	7832.3	7913.7	7956.7	7967.1	7959.5	7939.3	7915.4	7892.8
-12.5°	7364.9	7535.0	7679.6	7796.8	7887.3	7941.0	7962.6	7964.0	7953.7	7935.8	7915.4
-15°	7301.4	7473.9	7621.4	7743.2	7841.3	7913.3	7955.0	7965.7	7963.0	7953.7	7939.3
-17.5°	7218.0	7398.2	7551.5	7682.2	7787.2	7869.0	7924.2	7956.5	7965.7	7964.0	7959.5
-20°	7124.2	7312.3	7467.6	7601.4	7714.0	7807.0	7878.3	7924.2	7955.0	7962.6	7967.1



REPORT NUMBER: P645506 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7008.3	7201.2	7367.5	7509.8	7626.8	7724.8	7807.0	7869.0	7913.3	7941.0	7956.7
-25°	6877.1	7078.7	7248.2	7395.0	7522.0	7626.8	7714.0	7787.2	7841.3	7887.3	7913.7
-27.5°	6723.4	6928.6	7111.5	7264.1	7395.0	7509.8	7601.4	7682.2	7743.2	7796.8	7832.3
-30°	6553.6	6761.5	6945.9	7111.5	7248.2	7367.5	7467.6	7551.5	7621.4	7679.6	7720.9
-32.5°	6349.7	6572.2	6761.5	6928.6	7078.7	7201.2	7312.3	7398.2	7473.9	7535.0	7581.9
-35°	6125.3	6349.7	6553.6	6723.4	6877.1	7008.3	7124.2	7218.0	7301.4	7364.9	7415.4
-37.5°	5865.5	6101.7	6307.8	6492.9	6648.0	6787.4	6905.1	7006.8	7096.6	7163.1	7218.5
-40°	5581.4	5819.5	6031.2	6224.9	6387.4	6537.3	6656.2	6763.4	6855.0	6926.7	6986.3
-42.5°	5274.9	5508.3	5723.8	5915.4	6090.4	6243.0	6371.3	6486.6	6580.4	6655.7	6718.2
-45°	4934.3	5169.7	5387.9	5577.6	5754.5	5907.0	6044.2	6167.4	6263.3	6343.9	6410.7
-47.5°	4557.1	4800.7	5014.3	5209.7	5386.9	5538.4	5676.3	5798.3	5898.3	5984.0	6054.8
-50°	4143.8	4391.0	4605.3	4806.2	4979.8	5135.0	5276.0	5396.4	5496.4	5581.9	5652.6
-52.5°	3691.3	3930.3	4154.6	4359.6	4532.2	4690.7	4834.6	4952.8	5054.6	5141.5	5213.3
-55°	3212.2	3442.2	3658.9	3854.9	4034.4	4199.1	4345.1	4463.0	4566.2	4654.4	4727.1
-57.5°	2737.4	2942.8	3137.6	3323.5	3495.6	3653.3	3792.5	3914.2	4020.7	4111.5	4186.3
-60°	2289.4	2451.2	2625.8	2790.5	2942.8	3082.2	3212.2	3328.0	3429.2	3515.4	3586.5
-62.5°	1888.5	2022.5	2160.7	2289.4	2408.3	2525.6	2639.7	2741.3	2830.0	2905.6	2967.8
-65°	1565.5	1668.3	1764.6	1854.3	1938.1	2035.9	2124.2	2202.7	2271.3	2329.7	2377.7
-67.5°	1287.2	1363.8	1435.6	1502.3	1571.9	1639.3	1700.2	1754.2	1801.4	1841.6	1874.6
-70°	1049.2	1102.7	1152.9	1204.0	1258.3	1307.9	1352.6	1392.3	1426.9	1456.3	1480.5
-72.5°	851.0	886.5	922.2	962.7	1000.0	1034.0	1064.7	1091.9	1115.7	1135.9	1152.5
-75°	687.3	715.0	743.4	769.7	793.9	816.0	835.8	853.5	868.9	882.0	892.7
-77.5°	540.2	562.4	583.1	602.3	620.0	636.1	650.6	663.5	674.7	684.3	692.1
-80°	386.3	404.8	422.1	438.2	453.0	466.4	478.5	489.3	498.7	506.6	513.1
-82.5°	240.7	253.3	265.1	276.0	286.0	295.2	303.4	310.7	317.0	322.5	326.9
-85°	119.2	124.9	130.3	135.3	139.8	144.0	147.8	151.1	154.0	156.5	158.5
-87.5°	35.7	36.8	37.8	38.7	39.5	40.3	41.0	41.6	42.1	42.6	42.9
-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: P645506 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-LAM-XX

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°	43.2	43.4	43.6	43.6	43.6	43.4	43.2	42.9	42.6	42.1	41.6
85°	160.1	161.2	161.9	162.1	161.9	161.2	160.1	158.5	156.5	154.0	151.1
82.5°	330.3	332.8	334.3	334.8	334.3	332.8	330.3	326.9	322.5	317.0	310.7
80°	518.2	521.9	524.1	524.8	524.1	521.9	518.2	513.1	506.6	498.7	489.3
77.5°	698.2	702.6	705.2	706.1	705.2	702.6	698.2	692.1	684.3	674.7	663.5
75°	901.1	907.1	910.7	911.9	910.7	907.1	901.1	892.7	882.0	868.9	853.5
72.5°	1165.4	1174.7	1180.2	1182.1	1180.2	1174.7	1165.4	1152.5	1135.9	1115.7	1091.9
70°	1499.4	1513.0	1521.1	1523.8	1521.1	1513.0	1499.4	1480.5	1456.3	1426.9	1392.3
67.5°	1900.3	1918.8	1929.9	1933.6	1929.9	1918.8	1900.3	1874.6	1841.6	1801.4	1754.2
65°	2415.2	2442.1	2458.2	2463.6	2458.2	2442.1	2415.2	2377.7	2329.7	2271.3	2202.7
62.5°	3016.4	3051.2	3072.1	3079.1	3072.1	3051.2	3016.4	2967.8	2905.6	2830.0	2741.3
60°	3642.0	3681.8	3705.7	3713.7	3705.7	3681.8	3642.0	3586.5	3515.4	3429.2	3328.0
57.5°	4244.8	4286.8	4312.1	4320.5	4312.1	4286.8	4244.8	4186.3	4111.5	4020.7	3914.2
55°	4783.9	4824.7	4849.3	4857.5	4849.3	4824.7	4783.9	4727.1	4654.4	4566.2	4463.0
52.5°	5269.5	5309.8	5334.1	5342.2	5334.1	5309.8	5269.5	5213.3	5141.5	5054.6	4952.8
50°	5708.0	5747.8	5771.8	5779.8	5771.8	5747.8	5708.0	5652.6	5581.9	5496.4	5396.4
47.5°	6110.4	6150.4	6174.5	6182.5	6174.5	6150.4	6110.4	6054.8	5984.0	5898.3	5798.3
45°	6463.1	6500.8	6523.6	6531.2	6523.6	6500.8	6463.1	6410.7	6343.9	6263.3	6167.4
42.5°	6767.3	6802.6	6824.0	6831.1	6824.0	6802.6	6767.3	6718.2	6655.7	6580.4	6486.6
40°	7033.2	7067.1	7087.6	7094.4	7087.6	7067.1	7033.2	6986.3	6926.7	6855.0	6763.4
37.5°	7262.2	7293.8	7312.9	7319.3	7312.9	7293.8	7262.2	7218.5	7163.1	7096.6	7006.8
35°	7455.3	7484.2	7501.7	7507.6	7501.7	7484.2	7455.3	7415.4	7364.9	7301.4	7218.0
32.5°	7619.1	7646.1	7662.5	7668.0	7662.5	7646.1	7619.1	7581.9	7535.0	7473.9	7398.2
30°	7753.7	7777.6	7792.1	7797.0	7792.1	7777.6	7753.7	7720.9	7679.6	7621.4	7551.5
27.5°	7860.7	7881.4	7894.0	7898.2	7894.0	7881.4	7860.7	7832.3	7796.8	7743.2	7682.2
25°	7931.0	7943.7	7951.4	7954.0	7951.4	7943.7	7931.0	7913.7	7887.3	7841.3	7787.2
22.5°	7961.5	7965.0	7967.2	7967.9	7967.2	7965.0	7961.5	7956.7	7941.0	7913.3	7869.0
20°	7963.7	7961.3	7959.7	7959.2	7959.7	7961.3	7963.7	7967.1	7962.6	7955.0	7924.2
17.5°	7949.4	7941.4	7936.5	7934.8	7936.5	7941.4	7949.4	7959.5	7964.0	7965.7	7956.5
15°	7925.2	7913.4	7905.9	7903.4	7905.9	7913.4	7925.2	7939.3	7953.7	7963.0	7965.7
12.5°	7898.0	7885.0	7876.7	7873.8	7876.7	7885.0	7898.0	7915.4	7935.8	7953.7	7964.0
10°	7873.6	7862.6	7855.4	7852.8	7855.4	7862.6	7873.6	7892.8	7915.4	7939.3	7959.5
7.5°	7857.8	7847.9	7842.6	7840.6	7842.6	7847.9	7857.8	7873.6	7898.0	7925.2	7949.4
5°	7847.9	7838.2	7830.0	7826.7	7830.0	7838.2	7847.9	7862.6	7885.0	7913.4	7941.4
2.5°	7842.6	7830.0	7817.5	7811.0	7817.5	7830.0	7842.6	7855.4	7876.7	7905.9	7936.5
0°	7840.6	7826.7	7811.0	7812.7	7811.0	7826.7	7840.6	7852.8	7873.8	7903.4	7934.8
-2.5°	7842.6	7830.0	7817.5	7811.0	7817.5	7830.0	7842.6	7855.4	7876.7	7905.9	7936.5
-5°	7847.9	7838.2	7830.0	7826.7	7830.0	7838.2	7847.9	7862.6	7885.0	7913.4	7941.4
-7.5°	7857.8	7847.9	7842.6	7840.6	7842.6	7847.9	7857.8	7873.6	7898.0	7925.2	7949.4
-10°	7873.6	7862.6	7855.4	7852.8	7855.4	7862.6	7873.6	7892.8	7915.4	7939.3	7959.5
-12.5°	7898.0	7885.0	7876.7	7873.8	7876.7	7885.0	7898.0	7915.4	7935.8	7953.7	7964.0
-15°	7925.2	7913.4	7905.9	7903.4	7905.9	7913.4	7925.2	7939.3	7953.7	7963.0	7965.7
-17.5°	7949.4	7941.4	7936.5	7934.8	7936.5	7941.4	7949.4	7959.5	7964.0	7965.7	7956.5
-20°	7963.7	7961.3	7959.7	7959.2	7959.7	7961.3	7963.7	7967.1	7962.6	7955.0	7924.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645506 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7961.5	7965.0	7967.2	7967.9	7967.2	7965.0	7961.5	7956.7	7941.0	7913.3	7869.0
-25°	7931.0	7943.7	7951.4	7954.0	7951.4	7943.7	7931.0	7913.7	7887.3	7841.3	7787.2
-27.5°	7860.7	7881.4	7894.0	7898.2	7894.0	7881.4	7860.7	7832.3	7796.8	7743.2	7682.2
-30°	7753.7	7777.6	7792.1	7797.0	7792.1	7777.6	7753.7	7720.9	7679.6	7621.4	7551.5
-32.5°	7619.1	7646.1	7662.5	7668.0	7662.5	7646.1	7619.1	7581.9	7535.0	7473.9	7398.2
-35°	7455.3	7484.2	7501.7	7507.6	7501.7	7484.2	7455.3	7415.4	7364.9	7301.4	7218.0
-37.5°	7262.2	7293.8	7312.9	7319.3	7312.9	7293.8	7262.2	7218.5	7163.1	7096.6	7006.8
-40°	7033.2	7067.1	7087.6	7094.4	7087.6	7067.1	7033.2	6986.3	6926.7	6855.0	6763.4
-42.5°	6767.3	6802.6	6824.0	6831.1	6824.0	6802.6	6767.3	6718.2	6655.7	6580.4	6486.6
-45°	6463.1	6500.8	6523.6	6531.2	6523.6	6500.8	6463.1	6410.7	6343.9	6263.3	6167.4
-47.5°	6110.4	6150.4	6174.5	6182.5	6174.5	6150.4	6110.4	6054.8	5984.0	5898.3	5798.3
-50°	5708.0	5747.8	5771.8	5779.8	5771.8	5747.8	5708.0	5652.6	5581.9	5496.4	5396.4
-52.5°	5269.5	5309.8	5334.1	5342.2	5334.1	5309.8	5269.5	5213.3	5141.5	5054.6	4952.8
-55°	4783.9	4824.7	4849.3	4857.5	4849.3	4824.7	4783.9	4727.1	4654.4	4566.2	4463.0
-57.5°	4244.8	4286.8	4312.1	4320.5	4312.1	4286.8	4244.8	4186.3	4111.5	4020.7	3914.2
-60°	3642.0	3681.8	3705.7	3713.7	3705.7	3681.8	3642.0	3586.5	3515.4	3429.2	3328.0
-62.5°	3016.4	3051.2	3072.1	3079.1	3072.1	3051.2	3016.4	2967.8	2905.6	2830.0	2741.3
-65°	2415.2	2442.1	2458.2	2463.6	2458.2	2442.1	2415.2	2377.7	2329.7	2271.3	2202.7
-67.5°	1900.3	1918.8	1929.9	1933.6	1929.9	1918.8	1900.3	1874.6	1841.6	1801.4	1754.2
-70°	1499.4	1513.0	1521.1	1523.8	1521.1	1513.0	1499.4	1480.5	1456.3	1426.9	1392.3
-72.5°	1165.4	1174.7	1180.2	1182.1	1180.2	1174.7	1165.4	1152.5	1135.9	1115.7	1091.9
-75°	901.1	907.1	910.7	911.9	910.7	907.1	901.1	892.7	882.0	868.9	853.5
-77.5°	698.2	702.6	705.2	706.1	705.2	702.6	698.2	692.1	684.3	674.7	663.5
-80°	518.2	521.9	524.1	524.8	524.1	521.9	518.2	513.1	506.6	498.7	489.3
-82.5°	330.3	332.8	334.3	334.8	334.3	332.8	330.3	326.9	322.5	317.0	310.7
-85°	160.1	161.2	161.9	162.1	161.9	161.2	160.1	158.5	156.5	154.0	151.1
-87.5°	43.2	43.4	43.6	43.6	43.6	43.4	43.2	42.9	42.6	42.1	41.6
-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: P645506 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-LAM-XX

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°	41.0	40.3	39.5	38.7	37.8	36.8	35.7	34.6	33.4	32.1	30.8
85°	147.8	144.0	139.8	135.3	130.3	124.9	119.2	113.0	106.6	99.7	92.6
82.5°	303.4	295.2	286.0	276.0	265.1	253.3	240.7	227.3	213.1	198.2	182.5
80°	478.5	466.4	453.0	438.2	422.1	404.8	386.3	366.6	345.8	324.8	303.9
77.5°	650.6	636.1	620.0	602.3	583.1	562.4	540.2	516.2	490.1	462.7	433.9
75°	835.8	816.0	793.9	769.7	743.4	715.0	687.3	658.9	628.9	597.4	564.3
72.5°	1064.7	1034.0	1000.0	962.7	922.2	886.5	851.0	813.3	773.4	731.5	689.9
70°	1352.6	1307.9	1258.3	1204.0	1152.9	1102.7	1049.2	992.3	932.3	879.4	829.2
67.5°	1700.2	1639.3	1571.9	1502.3	1435.6	1363.8	1287.2	1205.9	1133.1	1061.9	987.5
65°	2124.2	2035.9	1938.1	1854.3	1764.6	1668.3	1565.5	1467.7	1372.0	1271.6	1170.0
62.5°	2639.7	2525.6	2408.3	2289.4	2160.7	2022.5	1888.5	1767.9	1641.0	1510.6	1394.9
60°	3212.2	3082.2	2942.8	2790.5	2625.8	2451.2	2289.4	2118.2	1938.1	1791.3	1639.3
57.5°	3792.5	3653.3	3495.6	3323.5	3137.6	2942.8	2737.4	2520.5	2316.3	2111.0	1905.6
55°	4345.1	4199.1	4034.4	3854.9	3658.9	3442.2	3212.2	2972.8	2725.7	2467.8	2236.2
52.5°	4834.6	4690.7	4532.2	4359.6	4154.6	3930.3	3691.3	3429.2	3154.5	2874.4	2585.9
50°	5276.0	5135.0	4979.8	4806.2	4605.3	4391.0	4143.8	3874.1	3586.5	3279.3	2964.4
47.5°	5676.3	5538.4	5386.9	5209.7	5014.3	4800.7	4557.1	4298.8	3996.9	3681.8	3342.1
45°	6044.2	5907.0	5754.5	5577.6	5387.9	5169.7	4934.3	4669.3	4384.5	4058.8	3713.7
42.5°	6371.3	6243.0	6090.4	5915.4	5723.8	5508.3	5274.9	5012.1	4725.9	4412.3	4058.8
40°	6656.2	6537.3	6387.4	6224.9	6031.2	5819.5	5581.4	5328.0	5038.2	4725.9	4384.5
37.5°	6905.1	6787.4	6648.0	6492.9	6307.8	6101.7	5865.5	5605.9	5328.0	5012.1	4669.3
35°	7124.2	7008.3	6877.1	6723.4	6553.6	6349.7	6125.3	5865.5	5581.4	5274.9	4934.3
32.5°	7312.3	7201.2	7078.7	6928.6	6761.5	6572.2	6349.7	6101.7	5819.5	5508.3	5169.7
30°	7467.6	7367.5	7248.2	7111.5	6945.9	6761.5	6553.6	6307.8	6031.2	5723.8	5387.9
27.5°	7601.4	7509.8	7395.0	7264.1	7111.5	6928.6	6723.4	6492.9	6224.9	5915.4	5577.6
25°	7714.0	7626.8	7522.0	7395.0	7248.2	7078.7	6877.1	6648.0	6387.4	6090.4	5754.5
22.5°	7807.0	7724.8	7626.8	7509.8	7367.5	7201.2	7008.3	6787.4	6537.3	6243.0	5907.0
20°	7878.3	7807.0	7714.0	7601.4	7467.6	7312.3	7124.2	6905.1	6656.2	6371.3	6044.2
17.5°	7924.2	7869.0	7787.2	7682.2	7551.5	7398.2	7218.0	7006.8	6763.4	6486.6	6167.4
15°	7955.0	7913.3	7841.3	7743.2	7621.4	7473.9	7301.4	7096.6	6855.0	6580.4	6263.3
12.5°	7962.6	7941.0	7887.3	7796.8	7679.6	7535.0	7364.9	7163.1	6926.7	6655.7	6343.9
10°	7967.1	7956.7	7913.7	7832.3	7720.9	7581.9	7415.4	7218.5	6986.3	6718.2	6410.7
7.5°	7963.7	7961.5	7931.0	7860.7	7753.7	7619.1	7455.3	7262.2	7033.2	6767.3	6463.1
5°	7961.3	7965.0	7943.7	7881.4	7777.6	7646.1	7484.2	7293.8	7067.1	6802.6	6500.8
2.5°	7959.7	7967.2	7951.4	7894.0	7792.1	7662.5	7501.7	7312.9	7087.6	6824.0	6523.6
0°	7959.2	7967.9	7954.0	7898.2	7797.0	7668.0	7507.6	7319.3	7094.4	6831.1	6531.2
-2.5°	7959.7	7967.2	7951.4	7894.0	7792.1	7662.5	7501.7	7312.9	7087.6	6824.0	6523.6
-5°	7961.3	7965.0	7943.7	7881.4	7777.6	7646.1	7484.2	7293.8	7067.1	6802.6	6500.8
-7.5°	7963.7	7961.5	7931.0	7860.7	7753.7	7619.1	7455.3	7262.2	7033.2	6767.3	6463.1
-10°	7967.1	7956.7	7913.7	7832.3	7720.9	7581.9	7415.4	7218.5	6986.3	6718.2	6410.7
-12.5°	7962.6	7941.0	7887.3	7796.8	7679.6	7535.0	7364.9	7163.1	6926.7	6655.7	6343.9
-15°	7955.0	7913.3	7841.3	7743.2	7621.4	7473.9	7301.4	7096.6	6855.0	6580.4	6263.3
-17.5°	7924.2	7869.0	7787.2	7682.2	7551.5	7398.2	7218.0	7006.8	6763.4	6486.6	6167.4
-20°	7878.3	7807.0	7714.0	7601.4	7467.6	7312.3	7124.2	6905.1	6656.2	6371.3	6044.2



REPORT NUMBER: P645506 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7807.0	7724.8	7626.8	7509.8	7367.5	7201.2	7008.3	6787.4	6537.3	6243.0	5907.0
-25°	7714.0	7626.8	7522.0	7395.0	7248.2	7078.7	6877.1	6648.0	6387.4	6090.4	5754.5
-27.5°	7601.4	7509.8	7395.0	7264.1	7111.5	6928.6	6723.4	6492.9	6224.9	5915.4	5577.6
-30°	7467.6	7367.5	7248.2	7111.5	6945.9	6761.5	6553.6	6307.8	6031.2	5723.8	5387.9
-32.5°	7312.3	7201.2	7078.7	6928.6	6761.5	6572.2	6349.7	6101.7	5819.5	5508.3	5169.7
-35°	7124.2	7008.3	6877.1	6723.4	6553.6	6349.7	6125.3	5865.5	5581.4	5274.9	4934.3
-37.5°	6905.1	6787.4	6648.0	6492.9	6307.8	6101.7	5865.5	5605.9	5328.0	5012.1	4669.3
-40°	6656.2	6537.3	6387.4	6224.9	6031.2	5819.5	5581.4	5328.0	5038.2	4725.9	4384.5
-42.5°	6371.3	6243.0	6090.4	5915.4	5723.8	5508.3	5274.9	5012.1	4725.9	4412.3	4058.8
-45°	6044.2	5907.0	5754.5	5577.6	5387.9	5169.7	4934.3	4669.3	4384.5	4058.8	3713.7
-47.5°	5676.3	5538.4	5386.9	5209.7	5014.3	4800.7	4557.1	4298.8	3996.9	3681.8	3342.1
-50°	5276.0	5135.0	4979.8	4806.2	4605.3	4391.0	4143.8	3874.1	3586.5	3279.3	2964.4
-52.5°	4834.6	4690.7	4532.2	4359.6	4154.6	3930.3	3691.3	3429.2	3154.5	2874.4	2585.9
-55°	4345.1	4199.1	4034.4	3854.9	3658.9	3442.2	3212.2	2972.8	2725.7	2467.8	2236.2
-57.5°	3792.5	3653.3	3495.6	3323.5	3137.6	2942.8	2737.4	2520.5	2316.3	2111.0	1905.6
-60°	3212.2	3082.2	2942.8	2790.5	2625.8	2451.2	2289.4	2118.2	1938.1	1791.3	1639.3
-62.5°	2639.7	2525.6	2408.3	2289.4	2160.7	2022.5	1888.5	1767.9	1641.0	1510.6	1394.9
-65°	2124.2	2035.9	1938.1	1854.3	1764.6	1668.3	1565.5	1467.7	1372.0	1271.6	1170.0
-67.5°	1700.2	1639.3	1571.9	1502.3	1435.6	1363.8	1287.2	1205.9	1133.1	1061.9	987.5
-70°	1352.6	1307.9	1258.3	1204.0	1152.9	1102.7	1049.2	992.3	932.3	879.4	829.2
-72.5°	1064.7	1034.0	1000.0	962.7	922.2	886.5	851.0	813.3	773.4	731.5	689.9
-75°	835.8	816.0	793.9	769.7	743.4	715.0	687.3	658.9	628.9	597.4	564.3
-77.5°	650.6	636.1	620.0	602.3	583.1	562.4	540.2	516.2	490.1	462.7	433.9
-80°	478.5	466.4	453.0	438.2	422.1	404.8	386.3	366.6	345.8	324.8	303.9
-82.5°	303.4	295.2	286.0	276.0	265.1	253.3	240.7	227.3	213.1	198.2	182.5
-85°	147.8	144.0	139.8	135.3	130.3	124.9	119.2	113.0	106.6	99.7	92.6
-87.5°	41.0	40.3	39.5	38.7	37.8	36.8	35.7	34.6	33.4	32.1	30.8
-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: P645506 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-LAM-XX

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°	29.5	28.0	26.5	25.0	23.4	21.8	20.1	18.4	16.7	14.9	13.1
85°	85.1	77.3	69.3	60.9	52.3	43.6	40.2	36.8	33.3	29.8	26.2
82.5°	166.2	153.2	141.1	128.6	115.7	102.5	88.9	75.0	60.8	46.4	39.2
80°	282.1	259.4	235.9	211.6	186.5	161.2	143.1	124.6	105.7	86.5	67.0
77.5°	403.8	372.6	340.2	309.3	278.0	245.9	212.9	179.2	150.3	126.3	102.0
75°	529.9	492.6	453.8	413.6	372.3	330.3	290.9	250.5	209.4	167.5	136.7
72.5°	649.6	607.8	564.5	519.6	471.4	422.0	371.4	321.1	273.2	224.5	175.1
70°	776.9	722.6	671.1	620.0	567.5	513.1	455.4	396.4	336.4	280.8	224.5
67.5°	910.5	849.3	786.1	720.9	660.1	599.6	537.7	472.2	404.8	336.4	273.2
65°	1083.7	994.3	904.4	831.9	757.5	684.3	615.7	545.7	472.2	396.4	321.1
62.5°	1274.6	1156.8	1055.2	950.6	859.6	776.0	692.4	615.7	537.7	455.4	371.4
60°	1488.6	1352.6	1212.3	1091.9	975.0	868.9	776.0	684.3	599.6	513.1	422.0
57.5°	1734.3	1557.3	1399.7	1243.6	1104.2	975.0	859.6	757.5	660.1	567.5	471.4
55°	1997.0	1791.8	1595.4	1415.5	1243.6	1091.9	950.6	831.9	720.9	620.0	519.6
52.5°	2312.0	2047.2	1811.0	1595.4	1399.7	1212.3	1055.2	904.4	786.1	671.1	564.5
50°	2645.4	2337.4	2047.2	1791.8	1557.3	1352.6	1156.8	994.3	849.3	722.6	607.8
47.5°	2994.5	2645.4	2312.0	1997.0	1734.3	1488.6	1274.6	1083.7	910.5	776.9	649.6
45°	3342.1	2964.4	2585.9	2236.2	1905.6	1639.3	1394.9	1170.0	987.5	829.2	689.9
42.5°	3681.8	3279.3	2874.4	2467.8	2111.0	1791.3	1510.6	1271.6	1061.9	879.4	731.5
40°	3996.9	3586.5	3154.5	2725.7	2316.3	1938.1	1641.0	1372.0	1133.1	932.3	773.4
37.5°	4298.8	3874.1	3429.2	2972.8	2520.5	2118.2	1767.9	1467.7	1205.9	992.3	813.3
35°	4557.1	4143.8	3691.3	3212.2	2737.4	2289.4	1888.5	1565.5	1287.2	1049.2	851.0
32.5°	4800.7	4391.0	3930.3	3442.2	2942.8	2451.2	2022.5	1668.3	1363.8	1102.7	886.5
30°	5014.3	4605.3	4154.6	3658.9	3137.6	2625.8	2160.7	1764.6	1435.6	1152.9	922.2
27.5°	5209.7	4806.2	4359.6	3854.9	3323.5	2790.5	2289.4	1854.3	1502.3	1204.0	962.7
25°	5386.9	4979.8	4532.2	4034.4	3495.6	2942.8	2408.3	1938.1	1571.9	1258.3	1000.0
22.5°	5538.4	5135.0	4690.7	4199.1	3653.3	3082.2	2525.6	2035.9	1639.3	1307.9	1034.0
20°	5676.3	5276.0	4834.6	4345.1	3792.5	3212.2	2639.7	2124.2	1700.2	1352.6	1064.7
17.5°	5798.3	5396.4	4952.8	4463.0	3914.2	3328.0	2741.3	2202.7	1754.2	1392.3	1091.9
15°	5898.3	5496.4	5054.6	4566.2	4020.7	3429.2	2830.0	2271.3	1801.4	1426.9	1115.7
12.5°	5984.0	5581.9	5141.5	4654.4	4111.5	3515.4	2905.6	2329.7	1841.6	1456.3	1135.9
10°	6054.8	5652.6	5213.3	4727.1	4186.3	3586.5	2967.8	2377.7	1874.6	1480.5	1152.5
7.5°	6110.4	5708.0	5269.5	4783.9	4244.8	3642.0	3016.4	2415.2	1900.3	1499.4	1165.4
5°	6150.4	5747.8	5309.8	4824.7	4286.8	3681.8	3051.2	2442.1	1918.8	1513.0	1174.7
2.5°	6174.5	5771.8	5334.1	4849.3	4312.1	3705.7	3072.1	2458.2	1929.9	1521.1	1180.2
0°	6182.5	5779.8	5342.2	4857.5	4320.5	3713.7	3079.1	2463.6	1933.6	1523.8	1182.1
-2.5°	6174.5	5771.8	5334.1	4849.3	4312.1	3705.7	3072.1	2458.2	1929.9	1521.1	1180.2
-5°	6150.4	5747.8	5309.8	4824.7	4286.8	3681.8	3051.2	2442.1	1918.8	1513.0	1174.7
-7.5°	6110.4	5708.0	5269.5	4783.9	4244.8	3642.0	3016.4	2415.2	1900.3	1499.4	1165.4
-10°	6054.8	5652.6	5213.3	4727.1	4186.3	3586.5	2967.8	2377.7	1874.6	1480.5	1152.5
-12.5°	5984.0	5581.9	5141.5	4654.4	4111.5	3515.4	2905.6	2329.7	1841.6	1456.3	1135.9
-15°	5898.3	5496.4	5054.6	4566.2	4020.7	3429.2	2830.0	2271.3	1801.4	1426.9	1115.7
-17.5°	5798.3	5396.4	4952.8	4463.0	3914.2	3328.0	2741.3	2202.7	1754.2	1392.3	1091.9
-20°	5676.3	5276.0	4834.6	4345.1	3792.5	3212.2	2639.7	2124.2	1700.2	1352.6	1064.7



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5538.4	5135.0	4690.7	4199.1	3653.3	3082.2	2525.6	2035.9	1639.3	1307.9	1034.0
-25°	5386.9	4979.8	4532.2	4034.4	3495.6	2942.8	2408.3	1938.1	1571.9	1258.3	1000.0
-27.5°	5209.7	4806.2	4359.6	3854.9	3323.5	2790.5	2289.4	1854.3	1502.3	1204.0	962.7
-30°	5014.3	4605.3	4154.6	3658.9	3137.6	2625.8	2160.7	1764.6	1435.6	1152.9	922.2
-32.5°	4800.7	4391.0	3930.3	3442.2	2942.8	2451.2	2022.5	1668.3	1363.8	1102.7	886.5
-35°	4557.1	4143.8	3691.3	3212.2	2737.4	2289.4	1888.5	1565.5	1287.2	1049.2	851.0
-37.5°	4298.8	3874.1	3429.2	2972.8	2520.5	2118.2	1767.9	1467.7	1205.9	992.3	813.3
-40°	3996.9	3586.5	3154.5	2725.7	2316.3	1938.1	1641.0	1372.0	1133.1	932.3	773.4
-42.5°	3681.8	3279.3	2874.4	2467.8	2111.0	1791.3	1510.6	1271.6	1061.9	879.4	731.5
-45°	3342.1	2964.4	2585.9	2236.2	1905.6	1639.3	1394.9	1170.0	987.5	829.2	689.9
-47.5°	2994.5	2645.4	2312.0	1997.0	1734.3	1488.6	1274.6	1083.7	910.5	776.9	649.6
-50°	2645.4	2337.4	2047.2	1791.8	1557.3	1352.6	1156.8	994.3	849.3	722.6	607.8
-52.5°	2312.0	2047.2	1811.0	1595.4	1399.7	1212.3	1055.2	904.4	786.1	671.1	564.5
-55°	1997.0	1791.8	1595.4	1415.5	1243.6	1091.9	950.6	831.9	720.9	620.0	519.6
-57.5°	1734.3	1557.3	1399.7	1243.6	1104.2	975.0	859.6	757.5	660.1	567.5	471.4
-60°	1488.6	1352.6	1212.3	1091.9	975.0	868.9	776.0	684.3	599.6	513.1	422.0
-62.5°	1274.6	1156.8	1055.2	950.6	859.6	776.0	692.4	615.7	537.7	455.4	371.4
-65°	1083.7	994.3	904.4	831.9	757.5	684.3	615.7	545.7	472.2	396.4	321.1
-67.5°	910.5	849.3	786.1	720.9	660.1	599.6	537.7	472.2	404.8	336.4	273.2
-70°	776.9	722.6	671.1	620.0	567.5	513.1	455.4	396.4	336.4	280.8	224.5
-72.5°	649.6	607.8	564.5	519.6	471.4	422.0	371.4	321.1	273.2	224.5	175.1
-75°	529.9	492.6	453.8	413.6	372.3	330.3	290.9	250.5	209.4	167.5	136.7
-77.5°	403.8	372.6	340.2	309.3	278.0	245.9	212.9	179.2	150.3	126.3	102.0
-80°	282.1	259.4	235.9	211.6	186.5	161.2	143.1	124.6	105.7	86.5	67.0
-82.5°	166.2	153.2	141.1	128.6	115.7	102.5	88.9	75.0	60.8	46.4	39.2
-85°	85.1	77.3	69.3	60.9	52.3	43.6	40.2	36.8	33.3	29.8	26.2
-87.5°	29.5	28.0	26.5	25.0	23.4	21.8	20.1	18.4	16.7	14.9	13.1
-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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REPORT NUMBER: P645506 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	11.3	9.4	7.6	5.7	3.8	1.9	0.0
85°	22.5	18.9	15.1	11.4	7.6	3.8	0.0
82.5°	33.8	28.2	22.7	17.0	11.4	5.7	0.0
80°	47.2	37.6	30.1	22.7	15.1	7.6	0.0
77.5°	77.3	52.4	37.6	28.2	18.9	9.4	0.0
75°	107.2	77.3	47.2	33.8	22.5	11.3	0.0
72.5°	136.7	102.0	67.0	39.2	26.2	13.1	0.0
70°	167.5	126.3	86.5	46.4	29.8	14.9	0.0
67.5°	209.4	150.3	105.7	60.8	33.3	16.7	0.0
65°	250.5	179.2	124.6	75.0	36.8	18.4	0.0
62.5°	290.9	212.9	143.1	88.9	40.2	20.1	0.0
60°	330.3	245.9	161.2	102.5	43.6	21.8	0.0
57.5°	372.3	278.0	186.5	115.7	52.3	23.4	0.0
55°	413.6	309.3	211.6	128.6	60.9	25.0	0.0
52.5°	453.8	340.2	235.9	141.1	69.3	26.5	0.0
50°	492.6	372.6	259.4	153.2	77.3	28.0	0.0
47.5°	529.9	403.8	282.1	166.2	85.1	29.5	0.0
45°	564.3	433.9	303.9	182.5	92.6	30.8	0.0
42.5°	597.4	462.7	324.8	198.2	99.7	32.1	0.0
40°	628.9	490.1	345.8	213.1	106.6	33.4	0.0
37.5°	658.9	516.2	366.6	227.3	113.0	34.6	0.0
35°	687.3	540.2	386.3	240.7	119.2	35.7	0.0
32.5°	715.0	562.4	404.8	253.3	124.9	36.8	0.0
30°	743.4	583.1	422.1	265.1	130.3	37.8	0.0
27.5°	769.7	602.3	438.2	276.0	135.3	38.7	0.0
25°	793.9	620.0	453.0	286.0	139.8	39.5	0.0
22.5°	816.0	636.1	466.4	295.2	144.0	40.3	0.0
20°	835.8	650.6	478.5	303.4	147.8	41.0	0.0
17.5°	853.5	663.5	489.3	310.7	151.1	41.6	0.0
15°	868.9	674.7	498.7	317.0	154.0	42.1	0.0
12.5°	882.0	684.3	506.6	322.5	156.5	42.6	0.0
10°	892.7	692.1	513.1	326.9	158.5	42.9	0.0
7.5°	901.1	698.2	518.2	330.3	160.1	43.2	0.0
5°	907.1	702.6	521.9	332.8	161.2	43.4	0.0
2.5°	910.7	705.2	524.1	334.3	161.9	43.6	0.0
0°	911.9	706.1	524.8	334.8	162.1	43.6	0.0
-2.5°	910.7	705.2	524.1	334.3	161.9	43.6	0.0
-5°	907.1	702.6	521.9	332.8	161.2	43.4	0.0
-7.5°	901.1	698.2	518.2	330.3	160.1	43.2	0.0
-10°	892.7	692.1	513.1	326.9	158.5	42.9	0.0
-12.5°	882.0	684.3	506.6	322.5	156.5	42.6	0.0
-15°	868.9	674.7	498.7	317.0	154.0	42.1	0.0
-17.5°	853.5	663.5	489.3	310.7	151.1	41.6	0.0
-20°	835.8	650.6	478.5	303.4	147.8	41.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	816.0	636.1	466.4	295.2	144.0	40.3	0.0
-25°	793.9	620.0	453.0	286.0	139.8	39.5	0.0
-27.5°	769.7	602.3	438.2	276.0	135.3	38.7	0.0
-30°	743.4	583.1	422.1	265.1	130.3	37.8	0.0
-32.5°	715.0	562.4	404.8	253.3	124.9	36.8	0.0
-35°	687.3	540.2	386.3	240.7	119.2	35.7	0.0
-37.5°	658.9	516.2	366.6	227.3	113.0	34.6	0.0
-40°	628.9	490.1	345.8	213.1	106.6	33.4	0.0
-42.5°	597.4	462.7	324.8	198.2	99.7	32.1	0.0
-45°	564.3	433.9	303.9	182.5	92.6	30.8	0.0
-47.5°	529.9	403.8	282.1	166.2	85.1	29.5	0.0
-50°	492.6	372.6	259.4	153.2	77.3	28.0	0.0
-52.5°	453.8	340.2	235.9	141.1	69.3	26.5	0.0
-55°	413.6	309.3	211.6	128.6	60.9	25.0	0.0
-57.5°	372.3	278.0	186.5	115.7	52.3	23.4	0.0
-60°	330.3	245.9	161.2	102.5	43.6	21.8	0.0
-62.5°	290.9	212.9	143.1	88.9	40.2	20.1	0.0
-65°	250.5	179.2	124.6	75.0	36.8	18.4	0.0
-67.5°	209.4	150.3	105.7	60.8	33.3	16.7	0.0
-70°	167.5	126.3	86.5	46.4	29.8	14.9	0.0
-72.5°	136.7	102.0	67.0	39.2	26.2	13.1	0.0
-75°	107.2	77.3	47.2	33.8	22.5	11.3	0.0
-77.5°	77.3	52.4	37.6	28.2	18.9	9.4	0.0
-80°	47.2	37.6	30.1	22.7	15.1	7.6	0.0
-82.5°	33.8	28.2	22.7	17.0	11.4	5.7	0.0
-85°	22.5	18.9	15.1	11.4	7.6	3.8	0.0
-87.5°	11.3	9.4	7.6	5.7	3.8	1.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)