

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: P627201 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3D-727-U-VWR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627201 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3D-727-U-VWR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N67
Light Source: (48) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18234.3 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')

NEMA Type: 7H x 7V
Max Intensity: 10088.6 candela
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 79.6°H x 78.9°V
Beam Lumens: 10694.5 lumens
Beam Efficiency: 58.7%

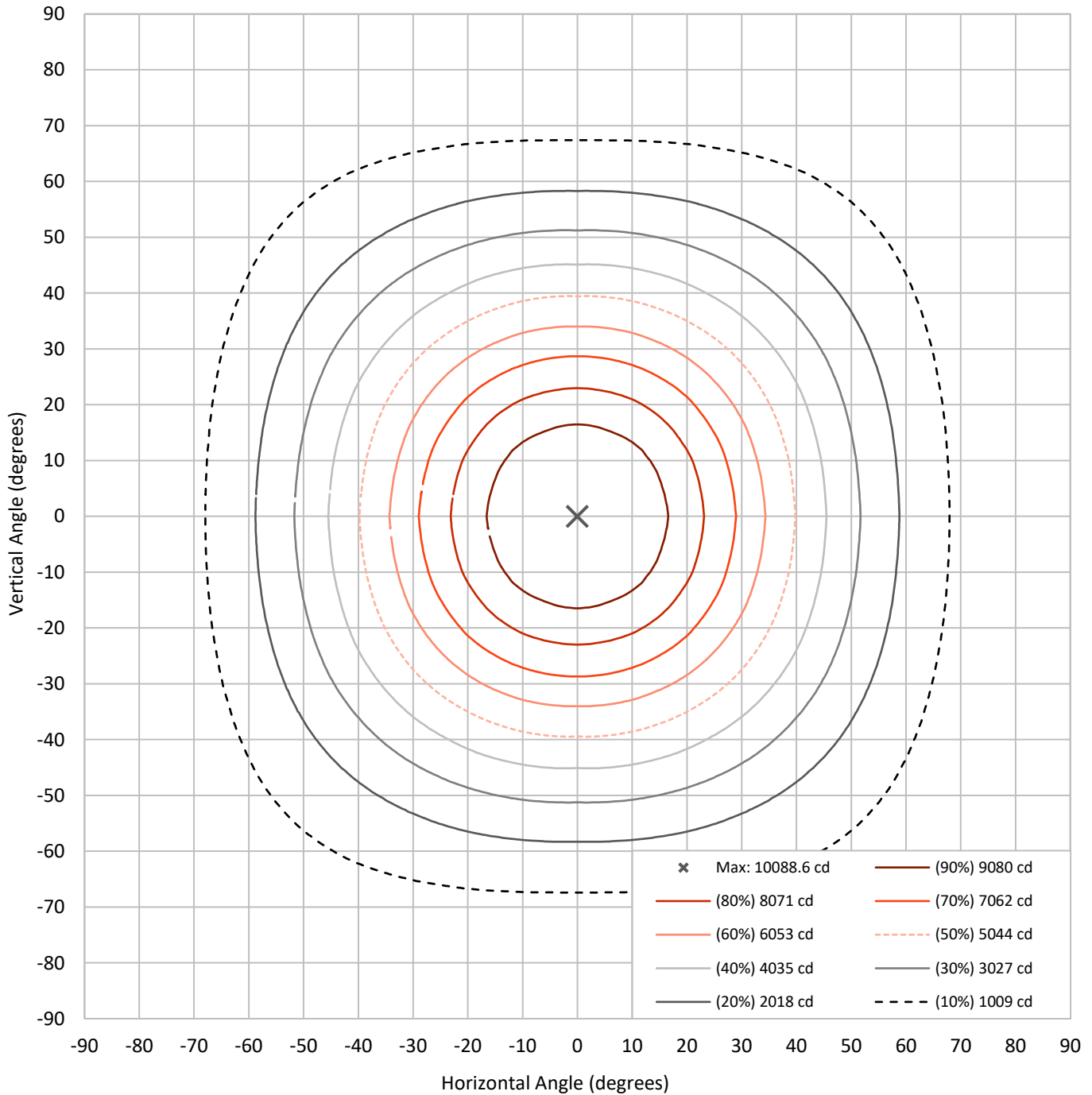
Field Angle (10%): 135.9°H x 134.8°V
Field Lumens: 17383.3 lumens
Field Efficiency: 95.3%

Input Watts (W): 160.2
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





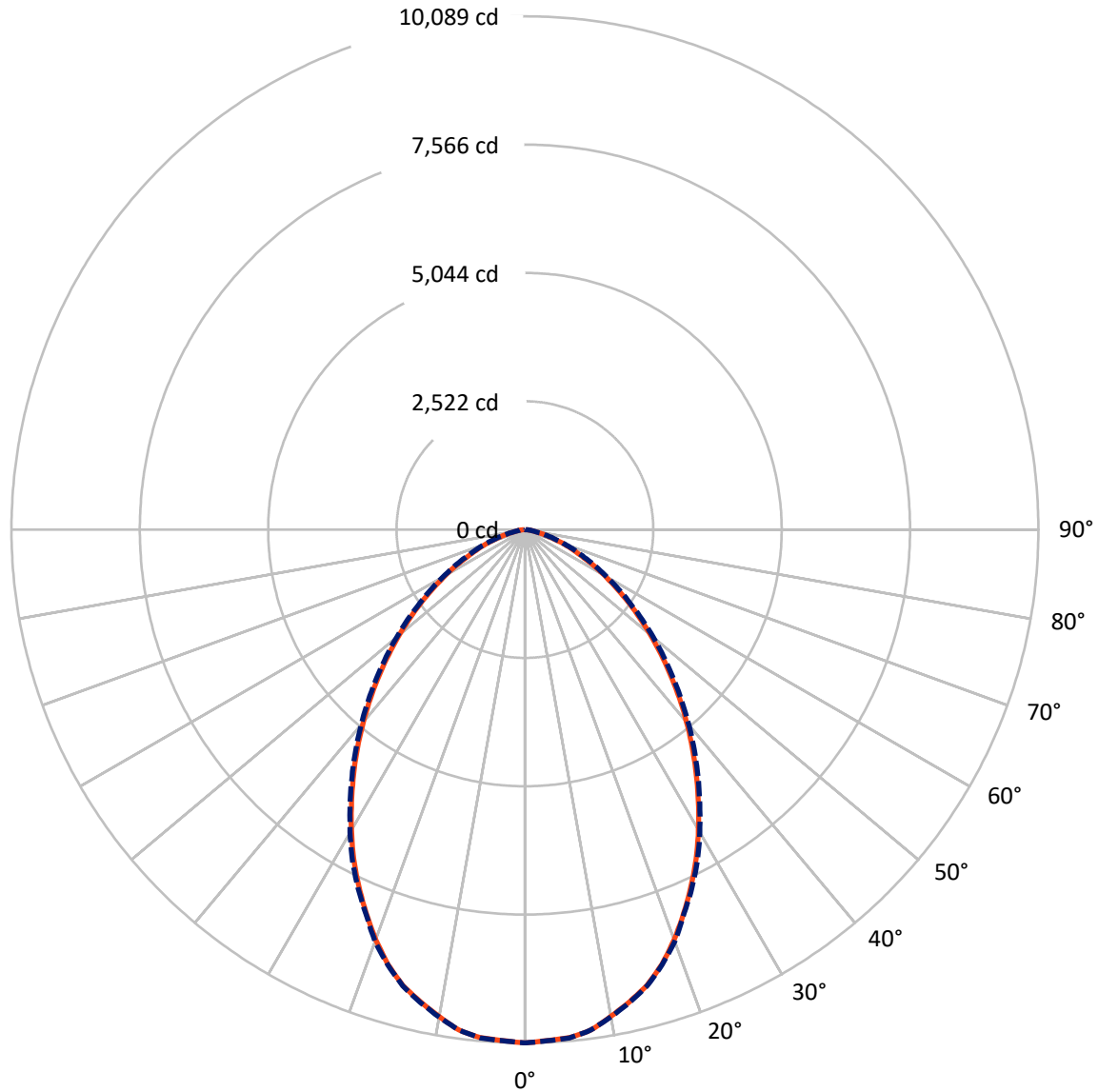
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Lumen Table

90																		
80	0.6	7.5	20.3	34.5	32.6	34.5	20.3	7.5	0.6									
70																		
60	3.4	4.7	9.4	16.1	23.5	30.4	35.6	38.0	38.0	35.6	30.4	23.5	16.1	9.4	4.7	3.4		
50																		
40	6.0	7.0	15.3	27.4	41.4	56.3	68.5	74.9	74.9	68.5	56.3	41.4	27.4	15.3	7.0	6.0		
30																		
20	7.7	9.4	22.2	40.9	64.9	89.9	110.9	122.4	122.4	110.9	89.9	64.9	40.9	22.2	9.4	7.7		
10																		
0	8.3	11.9	29.4	56.4	90.8	127.3	158.5	176.2	176.2	158.5	127.3	90.8	56.4	29.4	11.9	8.3		
-10																		
-20	7.7	14.3	36.1	70.9	115.6	164.1	206.4	230.7	230.7	206.4	164.1	115.6	70.9	36.1	14.3	7.7		
-30																		
-40	6.0	16.1	41.4	81.7	134.9	193.9	246.0	275.5	275.5	246.0	193.9	134.9	81.7	41.4	16.1	6.0		
-50																		
-60	3.4	17.1	44.3	87.9	145.7	210.5	267.3	298.5	298.5	267.3	210.5	145.7	87.9	44.3	17.1	3.4		
-70																		
-80	0.6	17.1	44.3	87.9	145.7	210.5	267.3	298.5	298.5	267.3	210.5	145.7	87.9	44.3	17.1	0.6		
-90																		

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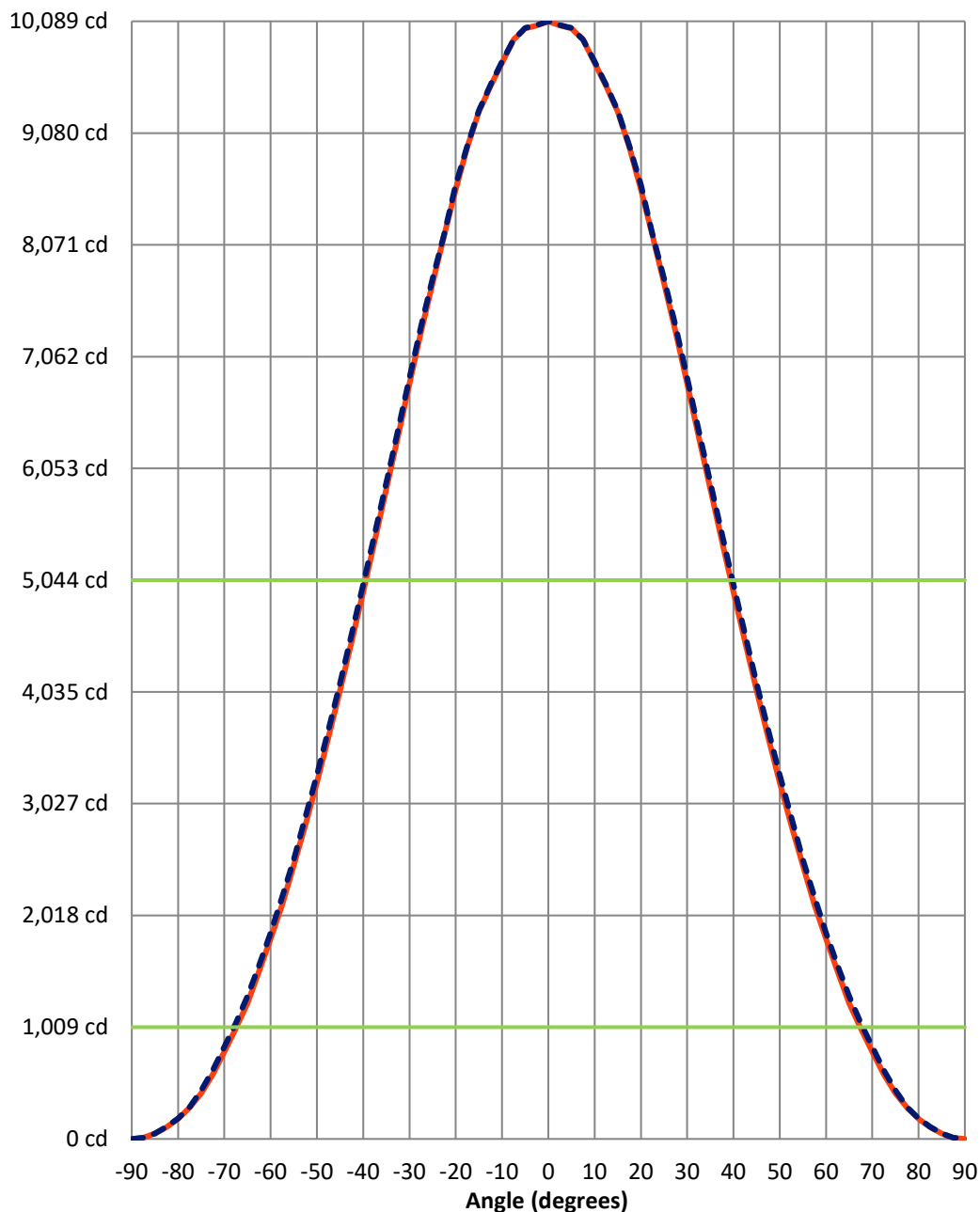
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 10694.5
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 17383.3
 Efficiency: 95.3%

Spill:
 Lumens: 851
 Efficiency: 4.7%

— Vertical Distribution through 0-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	0.6	1.3	2.0	2.6	3.3	3.9	4.5	5.2	5.8	6.4
85°	0.0	1.1	2.6	3.9	5.2	6.5	7.8	9.1	10.3	11.5	12.7
82.5°	0.0	1.7	3.9	5.9	7.8	9.8	11.7	13.6	17.0	26.8	36.2
80°	0.0	2.3	5.2	7.8	10.4	13.0	17.6	31.3	44.6	57.3	69.5
77.5°	0.0	2.8	6.5	9.8	13.0	20.4	38.4	55.7	72.0	87.6	107.0
75°	0.0	3.4	7.7	11.7	17.0	35.3	58.6	79.9	100.2	128.2	157.9
72.5°	0.0	3.9	9.0	13.6	27.0	49.8	78.3	105.9	137.8	171.9	208.0
70°	0.0	4.5	10.2	16.3	36.8	63.8	97.9	137.0	174.6	214.8	261.7
67.5°	0.0	5.0	11.3	22.3	46.2	77.2	121.5	167.4	210.7	261.3	315.1
65°	0.0	5.5	12.5	28.1	55.1	92.2	144.0	197.1	249.5	306.5	365.1
62.5°	0.0	6.0	13.5	33.6	63.6	108.6	165.4	228.0	287.1	349.7	409.8
60°	0.0	6.5	14.6	38.9	71.6	124.1	185.6	258.7	323.3	390.1	453.9
57.5°	0.0	6.9	17.5	43.8	82.2	138.7	206.8	287.3	359.0	429.8	495.8
55°	0.0	7.4	20.4	48.4	92.3	152.3	226.9	312.0	394.1	468.2	535.9
52.5°	0.0	7.8	23.2	52.6	101.8	165.2	245.5	337.7	428.3	503.5	575.0
50°	0.0	8.2	25.8	56.5	110.4	178.9	262.6	362.1	460.9	537.8	619.8
47.5°	0.0	8.6	28.3	60.5	118.4	191.4	278.6	384.8	490.4	570.9	663.7
45°	0.0	8.9	30.7	65.8	125.5	202.6	296.4	405.7	513.3	608.4	705.7
42.5°	0.0	9.3	33.0	70.6	131.8	212.6	312.7	425.0	535.2	644.3	755.2
40°	0.0	9.6	35.1	75.4	138.1	221.4	327.5	443.2	558.0	678.0	803.4
37.5°	0.0	9.9	37.1	80.2	144.4	228.9	340.7	460.4	583.6	709.9	848.6
35°	0.0	10.1	39.0	84.7	149.8	237.5	352.4	476.7	608.6	746.7	894.2
32.5°	0.0	10.4	40.7	88.8	154.3	246.2	363.2	491.9	632.8	782.0	942.4
30°	0.0	10.6	42.3	92.6	157.9	253.6	374.4	507.1	656.1	815.8	987.5
27.5°	0.0	10.8	43.7	96.1	163.3	259.7	384.5	524.8	680.2	847.8	1029.3
25°	0.0	11.0	45.0	99.1	168.4	264.5	393.4	541.2	705.3	880.5	1068.0
22.5°	0.0	11.1	46.1	101.8	172.8	269.4	401.0	556.3	728.4	911.3	1109.2
20°	0.0	11.2	47.0	104.2	176.7	276.1	407.3	569.8	749.3	938.9	1146.2
17.5°	0.0	11.3	47.8	106.1	179.9	281.6	415.1	581.7	768.0	963.1	1178.7
15°	0.0	11.4	48.5	107.7	182.5	285.8	423.3	593.1	784.3	983.9	1206.8
12.5°	0.0	11.4	49.0	109.0	184.5	288.9	429.9	603.8	798.9	1001.1	1230.3
10°	0.0	11.5	49.3	109.8	185.9	290.8	434.9	612.0	811.6	1017.3	1250.2
7.5°	0.0	11.4	49.5	110.3	186.6	291.6	438.4	617.8	821.4	1030.3	1267.3
5°	0.0	11.4	49.6	110.5	186.8	291.2	440.2	621.1	828.1	1039.7	1279.6
2.5°	0.0	11.4	49.5	110.3	186.3	289.8	440.3	621.8	831.6	1045.5	1286.9
0°	0.0	11.3	49.2	109.7	185.3	287.4	438.6	620.1	831.9	1047.4	1289.4
-2.5°	0.0	11.4	49.5	110.3	186.3	289.8	440.3	621.8	831.6	1045.5	1286.9
-5°	0.0	11.4	49.6	110.5	186.8	291.2	440.2	621.1	828.1	1039.7	1279.6
-7.5°	0.0	11.4	49.5	110.3	186.6	291.6	438.4	617.8	821.4	1030.3	1267.3
-10°	0.0	11.5	49.3	109.8	185.9	290.8	434.9	612.0	811.6	1017.3	1250.2
-12.5°	0.0	11.4	49.0	109.0	184.5	288.9	429.9	603.8	798.9	1001.1	1230.3
-15°	0.0	11.4	48.5	107.7	182.5	285.8	423.3	593.1	784.3	983.9	1206.8
-17.5°	0.0	11.3	47.8	106.1	179.9	281.6	415.1	581.7	768.0	963.1	1178.7
-20°	0.0	11.2	47.0	104.2	176.7	276.1	407.3	569.8	749.3	938.9	1146.2

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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	11.1	46.1	101.8	172.8	269.4	401.0	556.3	728.4	911.3	1109.2
-25°	0.0	11.0	45.0	99.1	168.4	264.5	393.4	541.2	705.3	880.5	1068.0
-27.5°	0.0	10.8	43.7	96.1	163.3	259.7	384.5	524.8	680.2	847.8	1029.3
-30°	0.0	10.6	42.3	92.6	157.9	253.6	374.4	507.1	656.1	815.8	987.5
-32.5°	0.0	10.4	40.7	88.8	154.3	246.2	363.2	491.9	632.8	782.0	942.4
-35°	0.0	10.1	39.0	84.7	149.8	237.5	352.4	476.7	608.6	746.7	894.2
-37.5°	0.0	9.9	37.1	80.2	144.4	228.9	340.7	460.4	583.6	709.9	848.6
-40°	0.0	9.6	35.1	75.4	138.1	221.4	327.5	443.2	558.0	678.0	803.4
-42.5°	0.0	9.3	33.0	70.6	131.8	212.6	312.7	425.0	535.2	644.3	755.2
-45°	0.0	8.9	30.7	65.8	125.5	202.6	296.4	405.7	513.3	608.4	705.7
-47.5°	0.0	8.6	28.3	60.5	118.4	191.4	278.6	384.8	490.4	570.9	663.7
-50°	0.0	8.2	25.8	56.5	110.4	178.9	262.6	362.1	460.9	537.8	619.8
-52.5°	0.0	7.8	23.2	52.6	101.8	165.2	245.5	337.7	428.3	503.5	575.0
-55°	0.0	7.4	20.4	48.4	92.3	152.3	226.9	312.0	394.1	468.2	535.9
-57.5°	0.0	6.9	17.5	43.8	82.2	138.7	206.8	287.3	359.0	429.8	495.8
-60°	0.0	6.5	14.6	38.9	71.6	124.1	185.6	258.7	323.3	390.1	453.9
-62.5°	0.0	6.0	13.5	33.6	63.6	108.6	165.4	228.0	287.1	349.7	409.8
-65°	0.0	5.5	12.5	28.1	55.1	92.2	144.0	197.1	249.5	306.5	365.1
-67.5°	0.0	5.0	11.3	22.3	46.2	77.2	121.5	167.4	210.7	261.3	315.1
-70°	0.0	4.5	10.2	16.3	36.8	63.8	97.9	137.0	174.6	214.8	261.7
-72.5°	0.0	3.9	9.0	13.6	27.0	49.8	78.3	105.9	137.8	171.9	208.0
-75°	0.0	3.4	7.7	11.7	17.0	35.3	58.6	79.9	100.2	128.2	157.9
-77.5°	0.0	2.8	6.5	9.8	13.0	20.4	38.4	55.7	72.0	87.6	107.0
-80°	0.0	2.3	5.2	7.8	10.4	13.0	17.6	31.3	44.6	57.3	69.5
-82.5°	0.0	1.7	3.9	5.9	7.8	9.8	11.7	13.6	17.0	26.8	36.2
-85°	0.0	1.1	2.6	3.9	5.2	6.5	7.8	9.1	10.3	11.5	12.7
-87.5°	0.0	0.6	1.3	2.0	2.6	3.3	3.9	4.5	5.2	5.8	6.4
-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°	7.4	8.5	9.6	10.8	10.9	10.9	10.8	10.7	11.1	11.6	12.0
85°	14.8	16.9	23.6	29.9	33.0	34.9	35.7	35.6	41.4	48.1	55.4
82.5°	46.0	55.5	64.5	73.1	75.3	75.4	74.7	74.9	88.5	104.1	120.1
80°	81.9	93.9	109.9	124.0	130.2	133.4	134.8	134.6	151.8	174.7	198.8
77.5°	129.9	150.2	167.8	182.8	190.9	198.0	203.8	208.3	230.4	259.4	288.1
75°	184.7	206.9	229.0	248.2	261.7	271.7	281.0	295.9	324.9	358.7	388.1
72.5°	242.4	270.8	295.4	316.4	335.2	355.3	377.7	402.3	432.9	466.6	497.4
70°	304.1	335.3	361.1	386.3	412.0	442.0	475.7	508.8	542.9	580.2	616.0
67.5°	364.5	394.6	424.9	456.6	495.1	535.4	575.2	620.9	667.6	709.0	746.0
65°	416.9	452.1	490.1	533.2	580.8	631.8	685.0	739.8	799.1	848.8	894.1
62.5°	466.9	509.4	555.5	609.2	669.8	730.3	798.1	866.7	933.5	992.0	1046.1
60°	513.1	564.5	622.8	688.6	759.4	839.8	917.0	995.0	1068.2	1134.5	1202.9
57.5°	558.0	622.6	692.6	771.6	861.2	951.5	1042.2	1126.1	1208.9	1289.7	1367.1
55°	605.5	683.4	766.7	863.6	964.5	1071.3	1169.0	1262.7	1354.0	1452.0	1545.2
52.5°	657.8	744.8	849.0	957.5	1074.1	1188.7	1296.0	1402.7	1513.1	1624.1	1745.4
50°	708.2	816.7	930.9	1057.1	1183.0	1305.8	1428.9	1551.8	1684.0	1820.1	1957.5
47.5°	767.1	885.5	1020.5	1155.7	1293.4	1430.1	1567.2	1715.7	1865.9	2023.7	2175.8
45°	826.8	959.9	1105.3	1258.2	1407.0	1558.4	1718.7	1882.9	2059.0	2232.6	2415.6
42.5°	883.3	1033.8	1194.0	1359.2	1524.7	1693.8	1870.2	2062.0	2254.4	2454.6	2655.7
40°	945.9	1104.0	1280.7	1462.7	1642.3	1829.8	2031.3	2239.0	2456.8	2676.9	2895.2
37.5°	1006.1	1179.9	1365.6	1561.5	1763.1	1969.1	2187.9	2423.7	2659.8	2896.7	3137.5
35°	1062.5	1251.8	1453.0	1661.0	1874.8	2109.1	2353.7	2605.4	2861.2	3117.4	3376.5
32.5°	1120.5	1319.7	1536.5	1759.1	1994.7	2245.9	2513.9	2786.6	3059.1	3332.7	3616.1
30°	1178.6	1390.8	1617.4	1851.9	2109.6	2383.3	2671.3	2960.2	3248.5	3549.5	3851.6
27.5°	1233.5	1458.3	1696.9	1947.8	2219.7	2510.6	2816.4	3125.8	3436.6	3756.7	4079.0
25°	1284.1	1522.3	1770.7	2040.1	2328.2	2633.0	2951.6	3274.5	3615.4	3957.9	4294.4
22.5°	1333.4	1581.0	1839.0	2125.1	2426.6	2746.7	3078.4	3419.4	3775.6	4143.4	4491.6
20°	1380.8	1636.9	1905.5	2202.1	2514.7	2849.0	3193.7	3550.8	3924.5	4302.1	4676.7
17.5°	1423.0	1686.7	1967.4	2274.1	2598.8	2942.6	3297.6	3666.4	4056.7	4448.2	4845.0
15°	1459.6	1729.9	2021.0	2337.0	2673.2	3027.6	3394.0	3773.3	4173.7	4581.3	4993.9
12.5°	1490.7	1766.6	2066.1	2390.4	2736.2	3100.6	3476.9	3869.5	4280.6	4699.6	5124.2
10°	1515.9	1796.4	2102.6	2434.1	2787.7	3160.9	3545.1	3948.7	4372.2	4800.4	5233.9
7.5°	1537.4	1821.3	2131.6	2467.8	2827.4	3208.1	3598.2	4010.6	4445.2	4878.9	5322.0
5°	1553.0	1841.5	2158.2	2496.0	2862.0	3245.0	3638.4	4054.6	4498.6	4934.8	5385.8
2.5°	1562.4	1854.5	2176.3	2514.3	2889.1	3272.6	3674.2	4093.6	4537.6	4979.2	5433.8
0°	1565.5	1860.4	2185.6	2522.1	2904.1	3286.0	3694.4	4114.1	4556.5	5006.5	5464.0
-2.5°	1562.4	1854.5	2176.3	2514.3	2889.1	3272.6	3674.2	4093.6	4537.6	4979.2	5433.8
-5°	1553.0	1841.5	2158.2	2496.0	2862.0	3245.0	3638.4	4054.6	4498.6	4934.8	5385.8
-7.5°	1537.4	1821.3	2131.6	2467.8	2827.4	3208.1	3598.2	4010.6	4445.2	4878.9	5322.0
-10°	1515.9	1796.4	2102.6	2434.1	2787.7	3160.9	3545.1	3948.7	4372.2	4800.4	5233.9
-12.5°	1490.7	1766.6	2066.1	2390.4	2736.2	3100.6	3476.9	3869.5	4280.6	4699.6	5124.2
-15°	1459.6	1729.9	2021.0	2337.0	2673.2	3027.6	3394.0	3773.3	4173.7	4581.3	4993.9
-17.5°	1423.0	1686.7	1967.4	2274.1	2598.8	2942.6	3297.6	3666.4	4056.7	4448.2	4845.0
-20°	1380.8	1636.9	1905.5	2202.1	2514.7	2849.0	3193.7	3550.8	3924.5	4302.1	4676.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627201 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3D-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1333.4	1581.0	1839.0	2125.1	2426.6	2746.7	3078.4	3419.4	3775.6	4143.4	4491.6
-25°	1284.1	1522.3	1770.7	2040.1	2328.2	2633.0	2951.6	3274.5	3615.4	3957.9	4294.4
-27.5°	1233.5	1458.3	1696.9	1947.8	2219.7	2510.6	2816.4	3125.8	3436.6	3756.7	4079.0
-30°	1178.6	1390.8	1617.4	1851.9	2109.6	2383.3	2671.3	2960.2	3248.5	3549.5	3851.6
-32.5°	1120.5	1319.7	1536.5	1759.1	1994.7	2245.9	2513.9	2786.6	3059.1	3332.7	3616.1
-35°	1062.5	1251.8	1453.0	1661.0	1874.8	2109.1	2353.7	2605.4	2861.2	3117.4	3376.5
-37.5°	1006.1	1179.9	1365.6	1561.5	1763.1	1969.1	2187.9	2423.7	2659.8	2896.7	3137.5
-40°	945.9	1104.0	1280.7	1462.7	1642.3	1829.8	2031.3	2239.0	2456.8	2676.9	2895.2
-42.5°	883.3	1033.8	1194.0	1359.2	1524.7	1693.8	1870.2	2062.0	2254.4	2454.6	2655.7
-45°	826.8	959.9	1105.3	1258.2	1407.0	1558.4	1718.7	1882.9	2059.0	2232.6	2415.6
-47.5°	767.1	885.5	1020.5	1155.7	1293.4	1430.1	1567.2	1715.7	1865.9	2023.7	2175.8
-50°	708.2	816.7	930.9	1057.1	1183.0	1305.8	1428.9	1551.8	1684.0	1820.1	1957.5
-52.5°	657.8	744.8	849.0	957.5	1074.1	1188.7	1296.0	1402.7	1513.1	1624.1	1745.4
-55°	605.5	683.4	766.7	863.6	964.5	1071.3	1169.0	1262.7	1354.0	1452.0	1545.2
-57.5°	558.0	622.6	692.6	771.6	861.2	951.5	1042.2	1126.1	1208.9	1289.7	1367.1
-60°	513.1	564.5	622.8	688.6	759.4	839.8	917.0	995.0	1068.2	1134.5	1202.9
-62.5°	466.9	509.4	555.5	609.2	669.8	730.3	798.1	866.7	933.5	992.0	1046.1
-65°	416.9	452.1	490.1	533.2	580.8	631.8	685.0	739.8	799.1	848.8	894.1
-67.5°	364.5	394.6	424.9	456.6	495.1	535.4	575.2	620.9	667.6	709.0	746.0
-70°	304.1	335.3	361.1	386.3	412.0	442.0	475.7	508.8	542.9	580.2	616.0
-72.5°	242.4	270.8	295.4	316.4	335.2	355.3	377.7	402.3	432.9	466.6	497.4
-75°	184.7	206.9	229.0	248.2	261.7	271.7	281.0	295.9	324.9	358.7	388.1
-77.5°	129.9	150.2	167.8	182.8	190.9	198.0	203.8	208.3	230.4	259.4	288.1
-80°	81.9	93.9	109.9	124.0	130.2	133.4	134.8	134.6	151.8	174.7	198.8
-82.5°	46.0	55.5	64.5	73.1	75.3	75.4	74.7	74.9	88.5	104.1	120.1
-85°	14.8	16.9	23.6	29.9	33.0	34.9	35.7	35.6	41.4	48.1	55.4
-87.5°	7.4	8.5	9.6	10.8	10.9	10.9	10.8	10.7	11.1	11.6	12.0
-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: P627201 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-727-U-VWR-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°	12.4	12.7	13.1	13.4	13.7	13.9	14.2	14.4	14.6	13.8	13.0
85°	63.2	67.7	71.8	75.8	79.6	83.2	86.5	89.7	92.6	84.6	75.7
82.5°	136.4	147.3	157.8	168.1	178.4	181.0	181.8	181.4	180.0	165.9	150.3
80°	222.6	241.2	258.7	276.0	293.1	295.0	293.1	289.5	284.5	266.0	245.1
77.5°	316.8	340.2	360.6	379.3	396.3	399.5	399.1	398.2	396.8	377.9	355.1
75°	413.3	436.2	458.2	476.9	492.5	499.7	503.2	505.7	507.1	493.5	475.7
72.5°	525.2	549.0	568.4	586.6	602.0	613.1	621.1	627.1	631.2	627.1	619.8
70°	646.7	672.1	693.6	714.1	735.0	751.7	764.3	773.4	779.2	783.0	785.7
67.5°	783.4	817.6	847.4	872.9	898.1	921.7	941.2	957.1	969.3	979.7	987.8
65°	937.4	981.1	1019.9	1055.5	1088.1	1122.4	1150.6	1174.2	1193.2	1208.9	1221.5
62.5°	1099.4	1152.9	1202.7	1251.0	1298.3	1344.9	1380.7	1413.2	1442.2	1467.1	1486.9
60°	1267.6	1328.5	1395.3	1459.1	1517.7	1571.4	1624.6	1670.6	1710.1	1742.8	1769.2
57.5°	1448.6	1527.4	1605.4	1684.6	1759.4	1829.4	1894.9	1952.7	2001.6	2041.7	2075.3
55°	1644.0	1742.6	1833.1	1932.9	2029.4	2117.3	2194.6	2262.6	2321.4	2370.6	2412.4
52.5°	1858.8	1978.6	2096.2	2209.8	2319.4	2421.3	2513.9	2593.0	2663.4	2723.8	2772.0
50°	2093.9	2231.0	2367.3	2493.7	2619.5	2737.0	2843.1	2935.0	3016.9	3087.8	3143.7
47.5°	2339.8	2495.8	2648.0	2792.7	2932.0	3062.5	3177.5	3282.2	3384.3	3467.6	3533.5
45°	2595.1	2770.1	2938.1	3103.5	3256.9	3403.2	3545.0	3675.4	3780.2	3871.9	3949.0
42.5°	2853.5	3048.8	3236.8	3417.3	3586.0	3755.1	3914.6	4057.1	4176.7	4281.0	4368.6
40°	3115.3	3329.1	3536.3	3733.0	3925.8	4110.3	4282.8	4433.1	4567.9	4691.9	4795.1
37.5°	3375.8	3610.9	3840.5	4060.9	4273.2	4473.0	4659.4	4829.3	4981.4	5122.6	5237.2
35°	3637.4	3895.4	4146.6	4389.2	4621.1	4841.6	5045.7	5239.0	5418.3	5561.3	5678.6
32.5°	3898.0	4175.3	4448.8	4715.8	4969.7	5207.4	5428.5	5642.1	5826.5	5983.7	6118.6
30°	4150.2	4450.6	4748.4	5037.9	5312.1	5569.7	5814.6	6040.4	6238.8	6410.7	6561.9
27.5°	4397.6	4720.4	5039.9	5349.2	5645.7	5925.6	6192.8	6437.7	6654.2	6841.0	7000.5
25°	4631.4	4978.5	5319.0	5647.0	5963.7	6272.4	6560.9	6828.2	7059.4	7264.5	7428.4
22.5°	4854.9	5225.0	5582.8	5927.8	6266.5	6599.4	6915.2	7194.3	7439.3	7653.7	7835.1
20°	5063.1	5459.6	5825.7	6190.6	6547.4	6902.8	7241.9	7536.3	7795.6	8023.9	8223.8
17.5°	5257.7	5664.4	6049.9	6438.3	6814.4	7187.2	7531.8	7847.3	8127.1	8369.5	8578.9
15°	5422.5	5833.2	6254.2	6668.9	7065.5	7443.0	7787.2	8116.8	8427.4	8689.6	8901.9
12.5°	5555.8	5983.0	6422.1	6862.5	7281.9	7658.9	8019.3	8353.6	8679.8	8974.3	9169.5
10°	5669.5	6109.3	6562.7	7011.8	7436.8	7835.7	8227.5	8581.0	8901.6	9165.3	9383.3
7.5°	5767.8	6220.9	6681.4	7131.1	7554.7	7966.9	8370.2	8745.7	9069.4	9317.7	9512.2
5°	5840.3	6304.1	6773.5	7227.4	7656.9	8070.4	8475.6	8846.3	9162.3	9415.0	9627.1
2.5°	5892.1	6360.3	6833.1	7287.6	7726.7	8141.2	8556.5	8931.5	9237.3	9469.0	9671.9
0°	5925.4	6394.2	6870.7	7335.8	7766.9	8167.7	8613.9	8965.5	9283.2	9513.8	9725.6
-2.5°	5892.1	6360.3	6833.1	7287.6	7726.7	8141.2	8556.5	8931.5	9237.3	9469.0	9671.9
-5°	5840.3	6304.1	6773.5	7227.4	7656.9	8070.4	8475.6	8846.3	9162.3	9415.0	9627.1
-7.5°	5767.8	6220.9	6681.4	7131.1	7554.7	7966.9	8370.2	8745.7	9069.4	9317.7	9512.2
-10°	5669.5	6109.3	6562.7	7011.8	7436.8	7835.7	8227.5	8581.0	8901.6	9165.3	9383.3
-12.5°	5555.8	5983.0	6422.1	6862.5	7281.9	7658.9	8019.3	8353.6	8679.8	8974.3	9169.5
-15°	5422.5	5833.2	6254.2	6668.9	7065.5	7443.0	7787.2	8116.8	8427.4	8689.6	8901.9
-17.5°	5257.7	5664.4	6049.9	6438.3	6814.4	7187.2	7531.8	7847.3	8127.1	8369.5	8578.9
-20°	5063.1	5459.6	5825.7	6190.6	6547.4	6902.8	7241.9	7536.3	7795.6	8023.9	8223.8



REPORT NUMBER: P627201 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4854.9	5225.0	5582.8	5927.8	6266.5	6599.4	6915.2	7194.3	7439.3	7653.7	7835.1
-25°	4631.4	4978.5	5319.0	5647.0	5963.7	6272.4	6560.9	6828.2	7059.4	7264.5	7428.4
-27.5°	4397.6	4720.4	5039.9	5349.2	5645.7	5925.6	6192.8	6437.7	6654.2	6841.0	7000.5
-30°	4150.2	4450.6	4748.4	5037.9	5312.1	5569.7	5814.6	6040.4	6238.8	6410.7	6561.9
-32.5°	3898.0	4175.3	4448.8	4715.8	4969.7	5207.4	5428.5	5642.1	5826.5	5983.7	6118.6
-35°	3637.4	3895.4	4146.6	4389.2	4621.1	4841.6	5045.7	5239.0	5418.3	5561.3	5678.6
-37.5°	3375.8	3610.9	3840.5	4060.9	4273.2	4473.0	4659.4	4829.3	4981.4	5122.6	5237.2
-40°	3115.3	3329.1	3536.3	3733.0	3925.8	4110.3	4282.8	4433.1	4567.9	4691.9	4795.1
-42.5°	2853.5	3048.8	3236.8	3417.3	3586.0	3755.1	3914.6	4057.1	4176.7	4281.0	4368.6
-45°	2595.1	2770.1	2938.1	3103.5	3256.9	3403.2	3545.0	3675.4	3780.2	3871.9	3949.0
-47.5°	2339.8	2495.8	2648.0	2792.7	2932.0	3062.5	3177.5	3282.2	3384.3	3467.6	3533.5
-50°	2093.9	2231.0	2367.3	2493.7	2619.5	2737.0	2843.1	2935.0	3016.9	3087.8	3143.7
-52.5°	1858.8	1978.6	2096.2	2209.8	2319.4	2421.3	2513.9	2593.0	2663.4	2723.8	2772.0
-55°	1644.0	1742.6	1833.1	1932.9	2029.4	2117.3	2194.6	2262.6	2321.4	2370.6	2412.4
-57.5°	1448.6	1527.4	1605.4	1684.6	1759.4	1829.4	1894.9	1952.7	2001.6	2041.7	2075.3
-60°	1267.6	1328.5	1395.3	1459.1	1517.7	1571.4	1624.6	1670.6	1710.1	1742.8	1769.2
-62.5°	1099.4	1152.9	1202.7	1251.0	1298.3	1344.9	1380.7	1413.2	1442.2	1467.1	1486.9
-65°	937.4	981.1	1019.9	1055.5	1088.1	1122.4	1150.6	1174.2	1193.2	1208.9	1221.5
-67.5°	783.4	817.6	847.4	872.9	898.1	921.7	941.2	957.1	969.3	979.7	987.8
-70°	646.7	672.1	693.6	714.1	735.0	751.7	764.3	773.4	779.2	783.0	785.7
-72.5°	525.2	549.0	568.4	586.6	602.0	613.1	621.1	627.1	631.2	627.1	619.8
-75°	413.3	436.2	458.2	476.9	492.5	499.7	503.2	505.7	507.1	493.5	475.7
-77.5°	316.8	340.2	360.6	379.3	396.3	399.5	399.1	398.2	396.8	377.9	355.1
-80°	222.6	241.2	258.7	276.0	293.1	295.0	293.1	289.5	284.5	266.0	245.1
-82.5°	136.4	147.3	157.8	168.1	178.4	181.0	181.8	181.4	180.0	165.9	150.3
-85°	63.2	67.7	71.8	75.8	79.6	83.2	86.5	89.7	92.6	84.6	75.7
-87.5°	12.4	12.7	13.1	13.4	13.7	13.9	14.2	14.4	14.6	13.8	13.0
-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: P627201 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-727-U-VWR-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°	12.1	11.3	11.3	11.3	11.3	11.3	12.1	13.0	13.8	14.6	14.4
85°	66.3	56.4	52.9	49.2	52.9	56.4	66.3	75.7	84.6	92.6	89.7
82.5°	133.9	116.8	111.4	105.9	111.4	116.8	133.9	150.3	165.9	180.0	181.4
80°	223.0	199.9	190.8	181.5	190.8	199.9	223.0	245.1	266.0	284.5	289.5
77.5°	330.9	305.6	294.7	283.6	294.7	305.6	330.9	355.1	377.9	396.8	398.2
75°	457.0	437.1	425.1	412.2	425.1	437.1	457.0	475.7	493.5	507.1	505.7
72.5°	611.5	601.8	593.0	582.3	593.0	601.8	611.5	619.8	627.1	631.2	627.1
70°	786.6	785.4	787.0	786.5	787.0	785.4	786.6	785.7	783.0	779.2	773.4
67.5°	991.9	992.2	996.4	998.3	996.4	992.2	991.9	987.8	979.7	969.3	957.1
65°	1229.3	1232.2	1231.1	1225.2	1231.1	1232.2	1229.3	1221.5	1208.9	1193.2	1174.2
62.5°	1501.0	1509.1	1513.6	1512.5	1513.6	1509.1	1501.0	1486.9	1467.1	1442.2	1413.2
60°	1788.9	1801.6	1808.1	1807.5	1808.1	1801.6	1788.9	1769.2	1742.8	1710.1	1670.6
57.5°	2100.4	2116.8	2120.7	2113.8	2120.7	2116.8	2100.4	2075.3	2041.7	2001.6	1952.7
55°	2443.9	2464.9	2473.0	2469.2	2473.0	2464.9	2443.9	2412.4	2370.6	2321.4	2262.6
52.5°	2807.3	2829.9	2838.0	2832.2	2838.0	2829.9	2807.3	2772.0	2723.8	2663.4	2593.0
50°	3184.6	3212.1	3223.2	3217.9	3223.2	3212.1	3184.6	3143.7	3087.8	3016.9	2935.0
47.5°	3585.2	3621.8	3636.0	3626.3	3636.0	3621.8	3585.2	3533.5	3467.6	3384.3	3282.2
45°	4006.6	4044.6	4059.3	4049.8	4059.3	4044.6	4006.6	3949.0	3871.9	3780.2	3675.4
42.5°	4435.6	4485.0	4505.8	4488.4	4505.8	4485.0	4435.6	4368.6	4281.0	4176.7	4057.1
40°	4872.2	4925.7	4950.4	4938.4	4950.4	4925.7	4872.2	4795.1	4691.9	4567.9	4433.1
37.5°	5320.0	5373.3	5399.4	5399.7	5399.4	5373.3	5320.0	5237.2	5122.6	4981.4	4829.3
35°	5769.5	5833.9	5870.4	5868.6	5870.4	5833.9	5769.5	5678.6	5561.3	5418.3	5239.0
32.5°	6225.2	6295.0	6332.3	6337.5	6332.3	6295.0	6225.2	6118.6	5983.7	5826.5	5642.1
30°	6680.2	6756.9	6800.0	6817.7	6800.0	6756.9	6680.2	6561.9	6410.7	6238.8	6040.4
27.5°	7121.4	7215.8	7281.0	7286.6	7281.0	7215.8	7121.4	7000.5	6841.0	6654.2	6437.7
25°	7548.7	7644.8	7711.7	7725.3	7711.7	7644.8	7548.7	7428.4	7264.5	7059.4	6828.2
22.5°	7969.9	8070.4	8132.1	8156.3	8132.1	8070.4	7969.9	7835.1	7653.7	7439.3	7194.3
20°	8371.9	8480.8	8546.2	8572.3	8546.2	8480.8	8371.9	8223.8	8023.9	7795.6	7536.3
17.5°	8735.6	8850.7	8931.5	8954.2	8931.5	8850.7	8735.6	8578.9	8369.5	8127.1	7847.3
15°	9055.8	9164.9	9241.6	9271.8	9241.6	9164.9	9055.8	8901.9	8689.6	8427.4	8116.8
12.5°	9316.3	9413.9	9474.0	9502.5	9474.0	9413.9	9316.3	9169.5	8974.3	8679.8	8353.6
10°	9519.8	9617.8	9675.1	9714.2	9675.1	9617.8	9519.8	9383.3	9165.3	8901.6	8581.0
7.5°	9696.5	9796.8	9867.1	9922.2	9867.1	9796.8	9696.5	9512.2	9317.7	9069.4	8745.7
5°	9794.0	9961.6	9986.8	10024.3	9986.8	9961.6	9794.0	9627.1	9415.0	9162.3	8846.3
2.5°	9868.4	9987.2	10058.7	10050.8	10058.7	9987.2	9868.4	9671.9	9469.0	9237.3	8931.5
0°	9922.2	10028.1	10054.6	10088.6	10054.6	10028.1	9922.2	9725.6	9513.8	9283.2	8965.5
-2.5°	9868.4	9987.2	10058.7	10050.8	10058.7	9987.2	9868.4	9671.9	9469.0	9237.3	8931.5
-5°	9794.0	9961.6	9986.8	10024.3	9986.8	9961.6	9794.0	9627.1	9415.0	9162.3	8846.3
-7.5°	9696.5	9796.8	9867.1	9922.2	9867.1	9796.8	9696.5	9512.2	9317.7	9069.4	8745.7
-10°	9519.8	9617.8	9675.1	9714.2	9675.1	9617.8	9519.8	9383.3	9165.3	8901.6	8581.0
-12.5°	9316.3	9413.9	9474.0	9502.5	9474.0	9413.9	9316.3	9169.5	8974.3	8679.8	8353.6
-15°	9055.8	9164.9	9241.6	9271.8	9241.6	9164.9	9055.8	8901.9	8689.6	8427.4	8116.8
-17.5°	8735.6	8850.7	8931.5	8954.2	8931.5	8850.7	8735.6	8578.9	8369.5	8127.1	7847.3
-20°	8371.9	8480.8	8546.2	8572.3	8546.2	8480.8	8371.9	8223.8	8023.9	7795.6	7536.3



REPORT NUMBER: P627201 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7969.9	8070.4	8132.1	8156.3	8132.1	8070.4	7969.9	7835.1	7653.7	7439.3	7194.3
-25°	7548.7	7644.8	7711.7	7725.3	7711.7	7644.8	7548.7	7428.4	7264.5	7059.4	6828.2
-27.5°	7121.4	7215.8	7281.0	7286.6	7281.0	7215.8	7121.4	7000.5	6841.0	6654.2	6437.7
-30°	6680.2	6756.9	6800.0	6817.7	6800.0	6756.9	6680.2	6561.9	6410.7	6238.8	6040.4
-32.5°	6225.2	6295.0	6332.3	6337.5	6332.3	6295.0	6225.2	6118.6	5983.7	5826.5	5642.1
-35°	5769.5	5833.9	5870.4	5868.6	5870.4	5833.9	5769.5	5678.6	5561.3	5418.3	5239.0
-37.5°	5320.0	5373.3	5399.4	5399.7	5399.4	5373.3	5320.0	5237.2	5122.6	4981.4	4829.3
-40°	4872.2	4925.7	4950.4	4938.4	4950.4	4925.7	4872.2	4795.1	4691.9	4567.9	4433.1
-42.5°	4435.6	4485.0	4505.8	4488.4	4505.8	4485.0	4435.6	4368.6	4281.0	4176.7	4057.1
-45°	4006.6	4044.6	4059.3	4049.8	4059.3	4044.6	4006.6	3949.0	3871.9	3780.2	3675.4
-47.5°	3585.2	3621.8	3636.0	3626.3	3636.0	3621.8	3585.2	3533.5	3467.6	3384.3	3282.2
-50°	3184.6	3212.1	3223.2	3217.9	3223.2	3212.1	3184.6	3143.7	3087.8	3016.9	2935.0
-52.5°	2807.3	2829.9	2838.0	2832.2	2838.0	2829.9	2807.3	2772.0	2723.8	2663.4	2593.0
-55°	2443.9	2464.9	2473.0	2469.2	2473.0	2464.9	2443.9	2412.4	2370.6	2321.4	2262.6
-57.5°	2100.4	2116.8	2120.7	2113.8	2120.7	2116.8	2100.4	2075.3	2041.7	2001.6	1952.7
-60°	1788.9	1801.6	1808.1	1807.5	1808.1	1801.6	1788.9	1769.2	1742.8	1710.1	1670.6
-62.5°	1501.0	1509.1	1513.6	1512.5	1513.6	1509.1	1501.0	1486.9	1467.1	1442.2	1413.2
-65°	1229.3	1232.2	1231.1	1225.2	1231.1	1232.2	1229.3	1221.5	1208.9	1193.2	1174.2
-67.5°	991.9	992.2	996.4	998.3	996.4	992.2	991.9	987.8	979.7	969.3	957.1
-70°	786.6	785.4	787.0	786.5	787.0	785.4	786.6	785.7	783.0	779.2	773.4
-72.5°	611.5	601.8	593.0	582.3	593.0	601.8	611.5	619.8	627.1	631.2	627.1
-75°	457.0	437.1	425.1	412.2	425.1	437.1	457.0	475.7	493.5	507.1	505.7
-77.5°	330.9	305.6	294.7	283.6	294.7	305.6	330.9	355.1	377.9	396.8	398.2
-80°	223.0	199.9	190.8	181.5	190.8	199.9	223.0	245.1	266.0	284.5	289.5
-82.5°	133.9	116.8	111.4	105.9	111.4	116.8	133.9	150.3	165.9	180.0	181.4
-85°	66.3	56.4	52.9	49.2	52.9	56.4	66.3	75.7	84.6	92.6	89.7
-87.5°	12.1	11.3	11.3	11.3	11.3	11.3	12.1	13.0	13.8	14.6	14.4
-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: P627201 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-727-U-VWR-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°	14.2	13.9	13.7	13.4	13.1	12.7	12.4	12.0	11.6	11.1	10.7
85°	86.5	83.2	79.6	75.8	71.8	67.7	63.2	55.4	48.1	41.4	35.6
82.5°	181.8	181.0	178.4	168.1	157.8	147.3	136.4	120.1	104.1	88.5	74.9
80°	293.1	295.0	293.1	276.0	258.7	241.2	222.6	198.8	174.7	151.8	134.6
77.5°	399.1	399.5	396.3	379.3	360.6	340.2	316.8	288.1	259.4	230.4	208.3
75°	503.2	499.7	492.5	476.9	458.2	436.2	413.3	388.1	358.7	324.9	295.9
72.5°	621.1	613.1	602.0	586.6	568.4	549.0	525.2	497.4	466.6	432.9	402.3
70°	764.3	751.7	735.0	714.1	693.6	672.1	646.7	616.0	580.2	542.9	508.8
67.5°	941.2	921.7	898.1	872.9	847.4	817.6	783.4	746.0	709.0	667.6	620.9
65°	1150.6	1122.4	1088.1	1055.5	1019.9	981.1	937.4	894.1	848.8	799.1	739.8
62.5°	1380.7	1344.9	1298.3	1251.0	1202.7	1152.9	1099.4	1046.1	992.0	933.5	866.7
60°	1624.6	1571.4	1517.7	1459.1	1395.3	1328.5	1267.6	1202.9	1134.5	1068.2	995.0
57.5°	1894.9	1829.4	1759.4	1684.6	1605.4	1527.4	1448.6	1367.1	1289.7	1208.9	1126.1
55°	2194.6	2117.3	2029.4	1932.9	1833.1	1742.6	1644.0	1545.2	1452.0	1354.0	1262.7
52.5°	2513.9	2421.3	2319.4	2209.8	2096.2	1978.6	1858.8	1745.4	1624.1	1513.1	1402.7
50°	2843.1	2737.0	2619.5	2493.7	2367.3	2231.0	2093.9	1957.5	1820.1	1684.0	1551.8
47.5°	3177.5	3062.5	2932.0	2792.7	2648.0	2495.8	2339.8	2175.8	2023.7	1865.9	1715.7
45°	3545.0	3403.2	3256.9	3103.5	2938.1	2770.1	2595.1	2415.6	2232.6	2059.0	1882.9
42.5°	3914.6	3755.1	3586.0	3417.3	3236.8	3048.8	2853.5	2655.7	2454.6	2254.4	2062.0
40°	4282.8	4110.3	3925.8	3733.0	3536.3	3329.1	3115.3	2895.2	2676.9	2456.8	2239.0
37.5°	4659.4	4473.0	4273.2	4060.9	3840.5	3610.9	3375.8	3137.5	2896.7	2659.8	2423.7
35°	5045.7	4841.6	4621.1	4389.2	4146.6	3895.4	3637.4	3376.5	3117.4	2861.2	2605.4
32.5°	5428.5	5207.4	4969.7	4715.8	4448.8	4175.3	3898.0	3616.1	3332.7	3059.1	2786.6
30°	5814.6	5569.7	5312.1	5037.9	4748.4	4450.6	4150.2	3851.6	3549.5	3248.5	2960.2
27.5°	6192.8	5925.6	5645.7	5349.2	5039.9	4720.4	4397.6	4079.0	3756.7	3436.6	3125.8
25°	6560.9	6272.4	5963.7	5647.0	5319.0	4978.5	4631.4	4294.4	3957.9	3615.4	3274.5
22.5°	6915.2	6599.4	6266.5	5927.8	5582.8	5225.0	4854.9	4491.6	4143.4	3775.6	3419.4
20°	7241.9	6902.8	6547.4	6190.6	5825.7	5459.6	5063.1	4676.7	4302.1	3924.5	3550.8
17.5°	7531.8	7187.2	6814.4	6438.3	6049.9	5664.4	5257.7	4845.0	4448.2	4056.7	3666.4
15°	7787.2	7443.0	7065.5	6668.9	6254.2	5833.2	5422.5	4993.9	4581.3	4173.7	3773.3
12.5°	8019.3	7658.9	7281.9	6862.5	6422.1	5983.0	5555.8	5124.2	4699.6	4280.6	3869.5
10°	8227.5	7835.7	7436.8	7011.8	6562.7	6109.3	5669.5	5233.9	4800.4	4372.2	3948.7
7.5°	8370.2	7966.9	7554.7	7131.1	6681.4	6220.9	5767.8	5322.0	4878.9	4445.2	4010.6
5°	8475.6	8070.4	7656.9	7227.4	6773.5	6304.1	5840.3	5385.8	4934.8	4498.6	4054.6
2.5°	8556.5	8141.2	7726.7	7287.6	6833.1	6360.3	5892.1	5433.8	4979.2	4537.6	4093.6
0°	8613.9	8167.7	7766.9	7335.8	6870.7	6394.2	5925.4	5464.0	5006.5	4556.5	4114.1
-2.5°	8556.5	8141.2	7726.7	7287.6	6833.1	6360.3	5892.1	5433.8	4979.2	4537.6	4093.6
-5°	8475.6	8070.4	7656.9	7227.4	6773.5	6304.1	5840.3	5385.8	4934.8	4498.6	4054.6
-7.5°	8370.2	7966.9	7554.7	7131.1	6681.4	6220.9	5767.8	5322.0	4878.9	4445.2	4010.6
-10°	8227.5	7835.7	7436.8	7011.8	6562.7	6109.3	5669.5	5233.9	4800.4	4372.2	3948.7
-12.5°	8019.3	7658.9	7281.9	6862.5	6422.1	5983.0	5555.8	5124.2	4699.6	4280.6	3869.5
-15°	7787.2	7443.0	7065.5	6668.9	6254.2	5833.2	5422.5	4993.9	4581.3	4173.7	3773.3
-17.5°	7531.8	7187.2	6814.4	6438.3	6049.9	5664.4	5257.7	4845.0	4448.2	4056.7	3666.4
-20°	7241.9	6902.8	6547.4	6190.6	5825.7	5459.6	5063.1	4676.7	4302.1	3924.5	3550.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627201 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3D-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6915.2	6599.4	6266.5	5927.8	5582.8	5225.0	4854.9	4491.6	4143.4	3775.6	3419.4
-25°	6560.9	6272.4	5963.7	5647.0	5319.0	4978.5	4631.4	4294.4	3957.9	3615.4	3274.5
-27.5°	6192.8	5925.6	5645.7	5349.2	5039.9	4720.4	4397.6	4079.0	3756.7	3436.6	3125.8
-30°	5814.6	5569.7	5312.1	5037.9	4748.4	4450.6	4150.2	3851.6	3549.5	3248.5	2960.2
-32.5°	5428.5	5207.4	4969.7	4715.8	4448.8	4175.3	3898.0	3616.1	3332.7	3059.1	2786.6
-35°	5045.7	4841.6	4621.1	4389.2	4146.6	3895.4	3637.4	3376.5	3117.4	2861.2	2605.4
-37.5°	4659.4	4473.0	4273.2	4060.9	3840.5	3610.9	3375.8	3137.5	2896.7	2659.8	2423.7
-40°	4282.8	4110.3	3925.8	3733.0	3536.3	3329.1	3115.3	2895.2	2676.9	2456.8	2239.0
-42.5°	3914.6	3755.1	3586.0	3417.3	3236.8	3048.8	2853.5	2655.7	2454.6	2254.4	2062.0
-45°	3545.0	3403.2	3256.9	3103.5	2938.1	2770.1	2595.1	2415.6	2232.6	2059.0	1882.9
-47.5°	3177.5	3062.5	2932.0	2792.7	2648.0	2495.8	2339.8	2175.8	2023.7	1865.9	1715.7
-50°	2843.1	2737.0	2619.5	2493.7	2367.3	2231.0	2093.9	1957.5	1820.1	1684.0	1551.8
-52.5°	2513.9	2421.3	2319.4	2209.8	2096.2	1978.6	1858.8	1745.4	1624.1	1513.1	1402.7
-55°	2194.6	2117.3	2029.4	1932.9	1833.1	1742.6	1644.0	1545.2	1452.0	1354.0	1262.7
-57.5°	1894.9	1829.4	1759.4	1684.6	1605.4	1527.4	1448.6	1367.1	1289.7	1208.9	1126.1
-60°	1624.6	1571.4	1517.7	1459.1	1395.3	1328.5	1267.6	1202.9	1134.5	1068.2	995.0
-62.5°	1380.7	1344.9	1298.3	1251.0	1202.7	1152.9	1099.4	1046.1	992.0	933.5	866.7
-65°	1150.6	1122.4	1088.1	1055.5	1019.9	981.1	937.4	894.1	848.8	799.1	739.8
-67.5°	941.2	921.7	898.1	872.9	847.4	817.6	783.4	746.0	709.0	667.6	620.9
-70°	764.3	751.7	735.0	714.1	693.6	672.1	646.7	616.0	580.2	542.9	508.8
-72.5°	621.1	613.1	602.0	586.6	568.4	549.0	525.2	497.4	466.6	432.9	402.3
-75°	503.2	499.7	492.5	476.9	458.2	436.2	413.3	388.1	358.7	324.9	295.9
-77.5°	399.1	399.5	396.3	379.3	360.6	340.2	316.8	288.1	259.4	230.4	208.3
-80°	293.1	295.0	293.1	276.0	258.7	241.2	222.6	198.8	174.7	151.8	134.6
-82.5°	181.8	181.0	178.4	168.1	157.8	147.3	136.4	120.1	104.1	88.5	74.9
-85°	86.5	83.2	79.6	75.8	71.8	67.7	63.2	55.4	48.1	41.4	35.6
-87.5°	14.2	13.9	13.7	13.4	13.1	12.7	12.4	12.0	11.6	11.1	10.7
-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: P627201 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-727-U-VWR-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°	10.8	10.9	10.9	10.8	9.6	8.5	7.4	6.4	5.8	5.2	4.5
85°	35.7	34.9	33.0	29.9	23.6	16.9	14.8	12.7	11.5	10.3	9.1
82.5°	74.7	75.4	75.3	73.1	64.5	55.5	46.0	36.2	26.8	17.0	13.6
80°	134.8	133.4	130.2	124.0	109.9	93.9	81.9	69.5	57.3	44.6	31.3
77.5°	203.8	198.0	190.9	182.8	167.8	150.2	129.9	107.0	87.6	72.0	55.7
75°	281.0	271.7	261.7	248.2	229.0	206.9	184.7	157.9	128.2	100.2	79.9
72.5°	377.7	355.3	335.2	316.4	295.4	270.8	242.4	208.0	171.9	137.8	105.9
70°	475.7	442.0	412.0	386.3	361.1	335.3	304.1	261.7	214.8	174.6	137.0
67.5°	575.2	535.4	495.1	456.6	424.9	394.6	364.5	315.1	261.3	210.7	167.4
65°	685.0	631.8	580.8	533.2	490.1	452.1	416.9	365.1	306.5	249.5	197.1
62.5°	798.1	730.3	669.8	609.2	555.5	509.4	466.9	409.8	349.7	287.1	228.0
60°	917.0	839.8	759.4	688.6	622.8	564.5	513.1	453.9	390.1	323.3	258.7
57.5°	1042.2	951.5	861.2	771.6	692.6	622.6	558.0	495.8	429.8	359.0	287.3
55°	1169.0	1071.3	964.5	863.6	766.7	683.4	605.5	535.9	468.2	394.1	312.0
52.5°	1296.0	1188.7	1074.1	957.5	849.0	744.8	657.8	575.0	503.5	428.3	337.7
50°	1428.9	1305.8	1183.0	1057.1	930.9	816.7	708.2	619.8	537.8	460.9	362.1
47.5°	1567.2	1430.1	1293.4	1155.7	1020.5	885.5	767.1	663.7	570.9	490.4	384.8
45°	1718.7	1558.4	1407.0	1258.2	1105.3	959.9	826.8	705.7	608.4	513.3	405.7
42.5°	1870.2	1693.8	1524.7	1359.2	1194.0	1033.8	883.3	755.2	644.3	535.2	425.0
40°	2031.3	1829.8	1642.3	1462.7	1280.7	1104.0	945.9	803.4	678.0	558.0	443.2
37.5°	2187.9	1969.1	1763.1	1561.5	1365.6	1179.9	1006.1	848.6	709.9	583.6	460.4
35°	2353.7	2109.1	1874.8	1661.0	1453.0	1251.8	1062.5	894.2	746.7	608.6	476.7
32.5°	2513.9	2245.9	1994.7	1759.1	1536.5	1319.7	1120.5	942.4	782.0	632.8	491.9
30°	2671.3	2383.3	2109.6	1851.9	1617.4	1390.8	1178.6	987.5	815.8	656.1	507.1
27.5°	2816.4	2510.6	2219.7	1947.8	1696.9	1458.3	1233.5	1029.3	847.8	680.2	524.8
25°	2951.6	2633.0	2328.2	2040.1	1770.7	1522.3	1284.1	1068.0	880.5	705.3	541.2
22.5°	3078.4	2746.7	2426.6	2125.1	1839.0	1581.0	1333.4	1109.2	911.3	728.4	556.3
20°	3193.7	2849.0	2514.7	2202.1	1905.5	1636.9	1380.8	1146.2	938.9	749.3	569.8
17.5°	3297.6	2942.6	2598.8	2274.1	1967.4	1686.7	1423.0	1178.7	963.1	768.0	581.7
15°	3394.0	3027.6	2673.2	2337.0	2021.0	1729.9	1459.6	1206.8	983.9	784.3	593.1
12.5°	3476.9	3100.6	2736.2	2390.4	2066.1	1766.6	1490.7	1230.3	1001.1	798.9	603.8
10°	3545.1	3160.9	2787.7	2434.1	2102.6	1796.4	1515.9	1250.2	1017.3	811.6	612.0
7.5°	3598.2	3208.1	2827.4	2467.8	2131.6	1821.3	1537.4	1267.3	1030.3	821.4	617.8
5°	3638.4	3245.0	2862.0	2496.0	2158.2	1841.5	1553.0	1279.6	1039.7	828.1	621.1
2.5°	3674.2	3272.6	2889.1	2514.3	2176.3	1854.5	1562.4	1286.9	1045.5	831.6	621.8
0°	3694.4	3286.0	2904.1	2522.1	2185.6	1860.4	1565.5	1289.4	1047.4	831.9	620.1
-2.5°	3674.2	3272.6	2889.1	2514.3	2176.3	1854.5	1562.4	1286.9	1045.5	831.6	621.8
-5°	3638.4	3245.0	2862.0	2496.0	2158.2	1841.5	1553.0	1279.6	1039.7	828.1	621.1
-7.5°	3598.2	3208.1	2827.4	2467.8	2131.6	1821.3	1537.4	1267.3	1030.3	821.4	617.8
-10°	3545.1	3160.9	2787.7	2434.1	2102.6	1796.4	1515.9	1250.2	1017.3	811.6	612.0
-12.5°	3476.9	3100.6	2736.2	2390.4	2066.1	1766.6	1490.7	1230.3	1001.1	798.9	603.8
-15°	3394.0	3027.6	2673.2	2337.0	2021.0	1729.9	1459.6	1206.8	983.9	784.3	593.1
-17.5°	3297.6	2942.6	2598.8	2274.1	1967.4	1686.7	1423.0	1178.7	963.1	768.0	581.7
-20°	3193.7	2849.0	2514.7	2202.1	1905.5	1636.9	1380.8	1146.2	938.9	749.3	569.8

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REPORT NUMBER: P627201 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	3078.4	2746.7	2426.6	2125.1	1839.0	1581.0	1333.4	1109.2	911.3	728.4	556.3
-25°	2951.6	2633.0	2328.2	2040.1	1770.7	1522.3	1284.1	1068.0	880.5	705.3	541.2
-27.5°	2816.4	2510.6	2219.7	1947.8	1696.9	1458.3	1233.5	1029.3	847.8	680.2	524.8
-30°	2671.3	2383.3	2109.6	1851.9	1617.4	1390.8	1178.6	987.5	815.8	656.1	507.1
-32.5°	2513.9	2245.9	1994.7	1759.1	1536.5	1319.7	1120.5	942.4	782.0	632.8	491.9
-35°	2353.7	2109.1	1874.8	1661.0	1453.0	1251.8	1062.5	894.2	746.7	608.6	476.7
-37.5°	2187.9	1969.1	1763.1	1561.5	1365.6	1179.9	1006.1	848.6	709.9	583.6	460.4
-40°	2031.3	1829.8	1642.3	1462.7	1280.7	1104.0	945.9	803.4	678.0	558.0	443.2
-42.5°	1870.2	1693.8	1524.7	1359.2	1194.0	1033.8	883.3	755.2	644.3	535.2	425.0
-45°	1718.7	1558.4	1407.0	1258.2	1105.3	959.9	826.8	705.7	608.4	513.3	405.7
-47.5°	1567.2	1430.1	1293.4	1155.7	1020.5	885.5	767.1	663.7	570.9	490.4	384.8
-50°	1428.9	1305.8	1183.0	1057.1	930.9	816.7	708.2	619.8	537.8	460.9	362.1
-52.5°	1296.0	1188.7	1074.1	957.5	849.0	744.8	657.8	575.0	503.5	428.3	337.7
-55°	1169.0	1071.3	964.5	863.6	766.7	683.4	605.5	535.9	468.2	394.1	312.0
-57.5°	1042.2	951.5	861.2	771.6	692.6	622.6	558.0	495.8	429.8	359.0	287.3
-60°	917.0	839.8	759.4	688.6	622.8	564.5	513.1	453.9	390.1	323.3	258.7
-62.5°	798.1	730.3	669.8	609.2	555.5	509.4	466.9	409.8	349.7	287.1	228.0
-65°	685.0	631.8	580.8	533.2	490.1	452.1	416.9	365.1	306.5	249.5	197.1
-67.5°	575.2	535.4	495.1	456.6	424.9	394.6	364.5	315.1	261.3	210.7	167.4
-70°	475.7	442.0	412.0	386.3	361.1	335.3	304.1	261.7	214.8	174.6	137.0
-72.5°	377.7	355.3	335.2	316.4	295.4	270.8	242.4	208.0	171.9	137.8	105.9
-75°	281.0	271.7	261.7	248.2	229.0	206.9	184.7	157.9	128.2	100.2	79.9
-77.5°	203.8	198.0	190.9	182.8	167.8	150.2	129.9	107.0	87.6	72.0	55.7
-80°	134.8	133.4	130.2	124.0	109.9	93.9	81.9	69.5	57.3	44.6	31.3
-82.5°	74.7	75.4	75.3	73.1	64.5	55.5	46.0	36.2	26.8	17.0	13.6
-85°	35.7	34.9	33.0	29.9	23.6	16.9	14.8	12.7	11.5	10.3	9.1
-87.5°	10.8	10.9	10.9	10.8	9.6	8.5	7.4	6.4	5.8	5.2	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

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REPORT NUMBER: P627201 (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°	3.9	3.3	2.6	2.0	1.3	0.6	0.0
85°	7.8	6.5	5.2	3.9	2.6	1.1	0.0
82.5°	11.7	9.8	7.8	5.9	3.9	1.7	0.0
80°	17.6	13.0	10.4	7.8	5.2	2.3	0.0
77.5°	38.4	20.4	13.0	9.8	6.5	2.8	0.0
75°	58.6	35.3	17.0	11.7	7.7	3.4	0.0
72.5°	78.3	49.8	27.0	13.6	9.0	3.9	0.0
70°	97.9	63.8	36.8	16.3	10.2	4.5	0.0
67.5°	121.5	77.2	46.2	22.3	11.3	5.0	0.0
65°	144.0	92.2	55.1	28.1	12.5	5.5	0.0
62.5°	165.4	108.6	63.6	33.6	13.5	6.0	0.0
60°	185.6	124.1	71.6	38.9	14.6	6.5	0.0
57.5°	206.8	138.7	82.2	43.8	17.5	6.9	0.0
55°	226.9	152.3	92.3	48.4	20.4	7.4	0.0
52.5°	245.5	165.2	101.8	52.6	23.2	7.8	0.0
50°	262.6	178.9	110.4	56.5	25.8	8.2	0.0
47.5°	278.6	191.4	118.4	60.5	28.3	8.6	0.0
45°	296.4	202.6	125.5	65.8	30.7	8.9	0.0
42.5°	312.7	212.6	131.8	70.6	33.0	9.3	0.0
40°	327.5	221.4	138.1	75.4	35.1	9.6	0.0
37.5°	340.7	228.9	144.4	80.2	37.1	9.9	0.0
35°	352.4	237.5	149.8	84.7	39.0	10.1	0.0
32.5°	363.2	246.2	154.3	88.8	40.7	10.4	0.0
30°	374.4	253.6	157.9	92.6	42.3	10.6	0.0
27.5°	384.5	259.7	163.3	96.1	43.7	10.8	0.0
25°	393.4	264.5	168.4	99.1	45.0	11.0	0.0
22.5°	401.0	269.4	172.8	101.8	46.1	11.1	0.0
20°	407.3	276.1	176.7	104.2	47.0	11.2	0.0
17.5°	415.1	281.6	179.9	106.1	47.8	11.3	0.0
15°	423.3	285.8	182.5	107.7	48.5	11.4	0.0
12.5°	429.9	288.9	184.5	109.0	49.0	11.4	0.0
10°	434.9	290.8	185.9	109.8	49.3	11.5	0.0
7.5°	438.4	291.6	186.6	110.3	49.5	11.4	0.0
5°	440.2	291.2	186.8	110.5	49.6	11.4	0.0
2.5°	440.3	289.8	186.3	110.3	49.5	11.4	0.0
0°	438.6	287.4	185.3	109.7	49.2	11.3	0.0
-2.5°	440.3	289.8	186.3	110.3	49.5	11.4	0.0
-5°	440.2	291.2	186.8	110.5	49.6	11.4	0.0
-7.5°	438.4	291.6	186.6	110.3	49.5	11.4	0.0
-10°	434.9	290.8	185.9	109.8	49.3	11.5	0.0
-12.5°	429.9	288.9	184.5	109.0	49.0	11.4	0.0
-15°	423.3	285.8	182.5	107.7	48.5	11.4	0.0
-17.5°	415.1	281.6	179.9	106.1	47.8	11.3	0.0
-20°	407.3	276.1	176.7	104.2	47.0	11.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	401.0	269.4	172.8	101.8	46.1	11.1	0.0
-25°	393.4	264.5	168.4	99.1	45.0	11.0	0.0
-27.5°	384.5	259.7	163.3	96.1	43.7	10.8	0.0
-30°	374.4	253.6	157.9	92.6	42.3	10.6	0.0
-32.5°	363.2	246.2	154.3	88.8	40.7	10.4	0.0
-35°	352.4	237.5	149.8	84.7	39.0	10.1	0.0
-37.5°	340.7	228.9	144.4	80.2	37.1	9.9	0.0
-40°	327.5	221.4	138.1	75.4	35.1	9.6	0.0
-42.5°	312.7	212.6	131.8	70.6	33.0	9.3	0.0
-45°	296.4	202.6	125.5	65.8	30.7	8.9	0.0
-47.5°	278.6	191.4	118.4	60.5	28.3	8.6	0.0
-50°	262.6	178.9	110.4	56.5	25.8	8.2	0.0
-52.5°	245.5	165.2	101.8	52.6	23.2	7.8	0.0
-55°	226.9	152.3	92.3	48.4	20.4	7.4	0.0
-57.5°	206.8	138.7	82.2	43.8	17.5	6.9	0.0
-60°	185.6	124.1	71.6	38.9	14.6	6.5	0.0
-62.5°	165.4	108.6	63.6	33.6	13.5	6.0	0.0
-65°	144.0	92.2	55.1	28.1	12.5	5.5	0.0
-67.5°	121.5	77.2	46.2	22.3	11.3	5.0	0.0
-70°	97.9	63.8	36.8	16.3	10.2	4.5	0.0
-72.5°	78.3	49.8	27.0	13.6	9.0	3.9	0.0
-75°	58.6	35.3	17.0	11.7	7.7	3.4	0.0
-77.5°	38.4	20.4	13.0	9.8	6.5	2.8	0.0
-80°	17.6	13.0	10.4	7.8	5.2	2.3	0.0
-82.5°	11.7	9.8	7.8	5.9	3.9	1.7	0.0
-85°	7.8	6.5	5.2	3.9	2.6	1.1	0.0
-87.5°	3.9	3.3	2.6	2.0	1.3	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)