

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: P645516 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5C-730-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645516 (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-SA5C-730-U-LAM-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

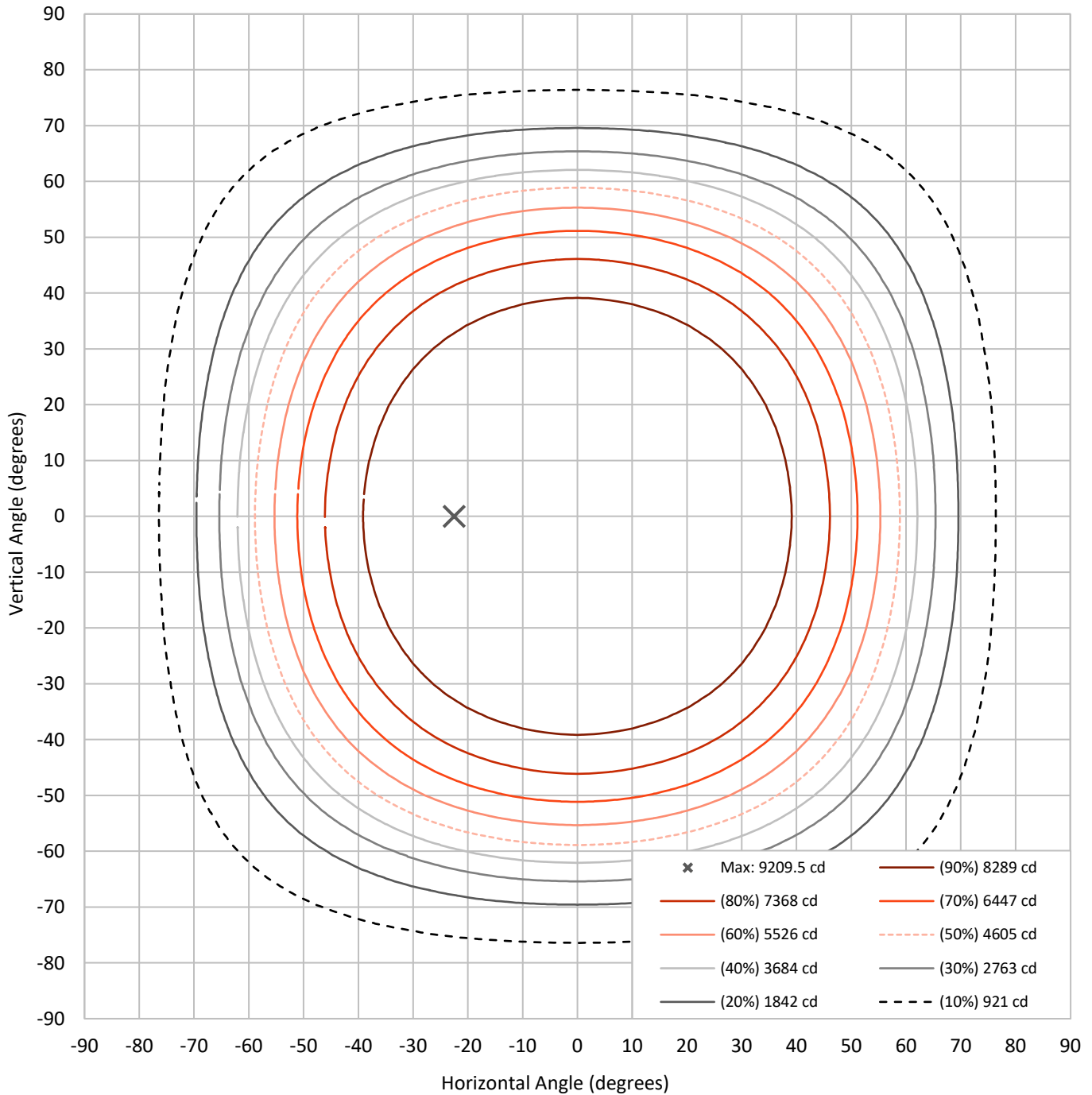
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	28172.4 lumens	Max Intensity:	9209.5 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	136.7 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:	23445.6 lumens	Field Lumens:	27618.3 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	206.1		
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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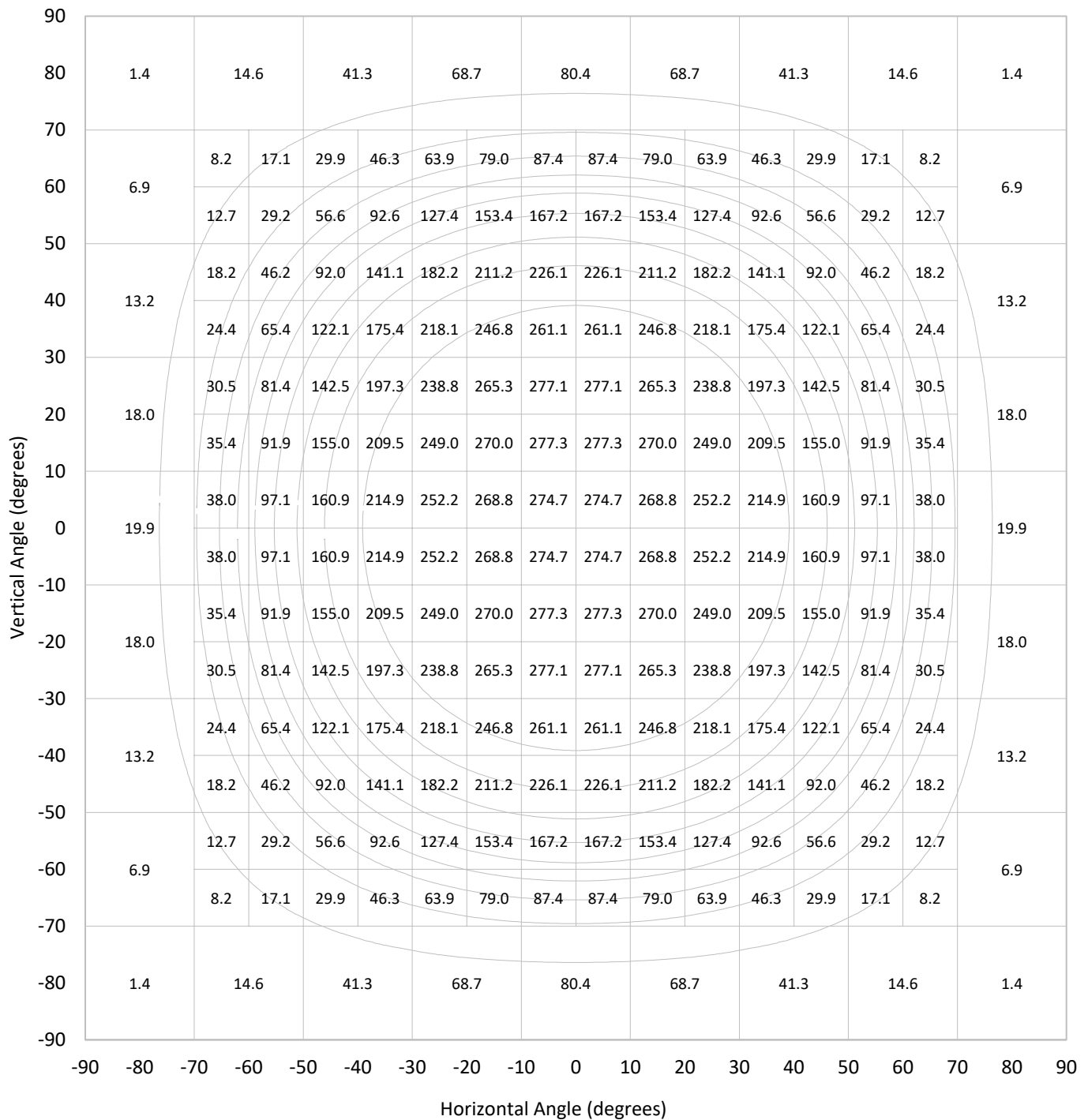
Iso-Candela Plot





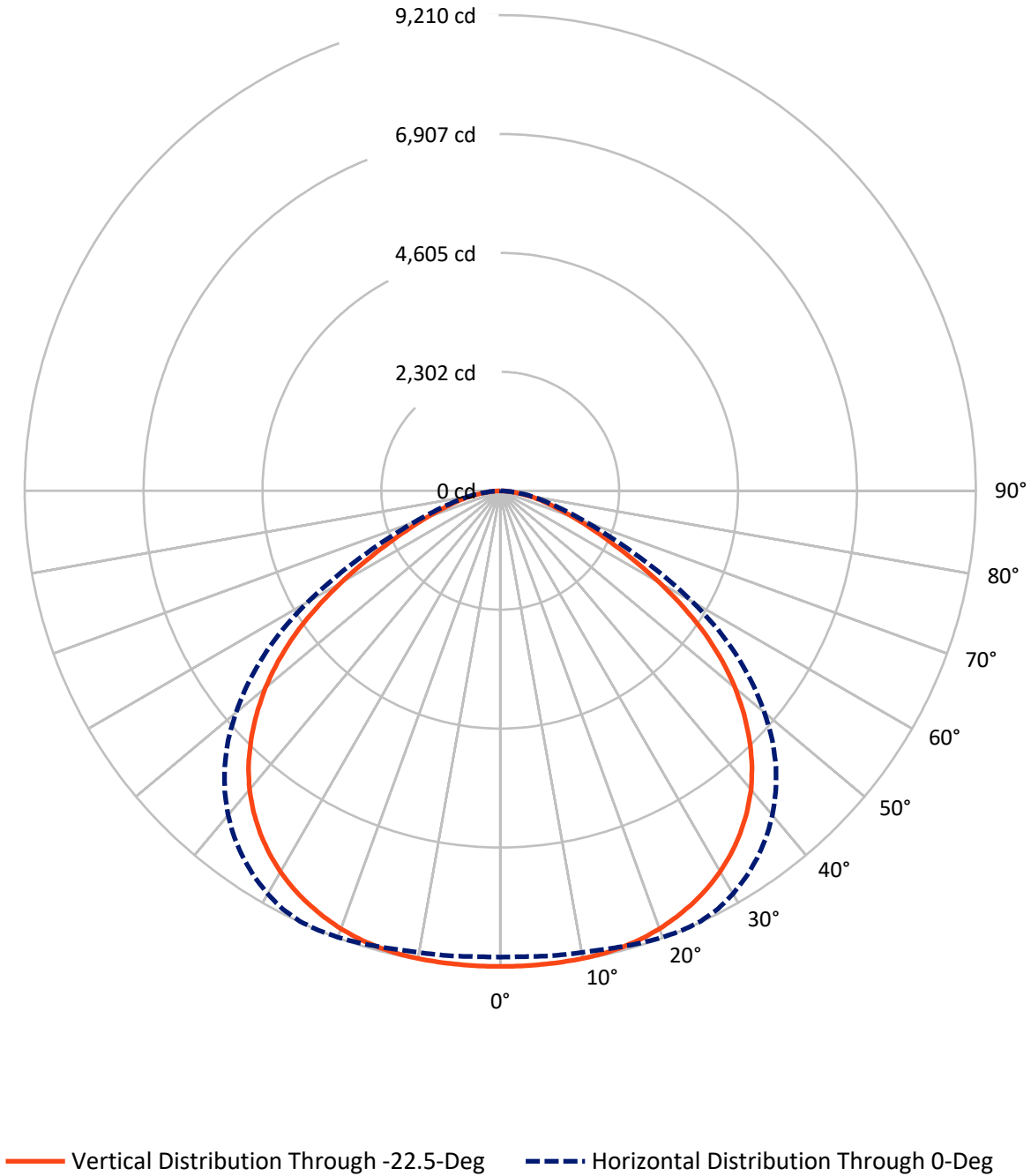
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Lumen Table



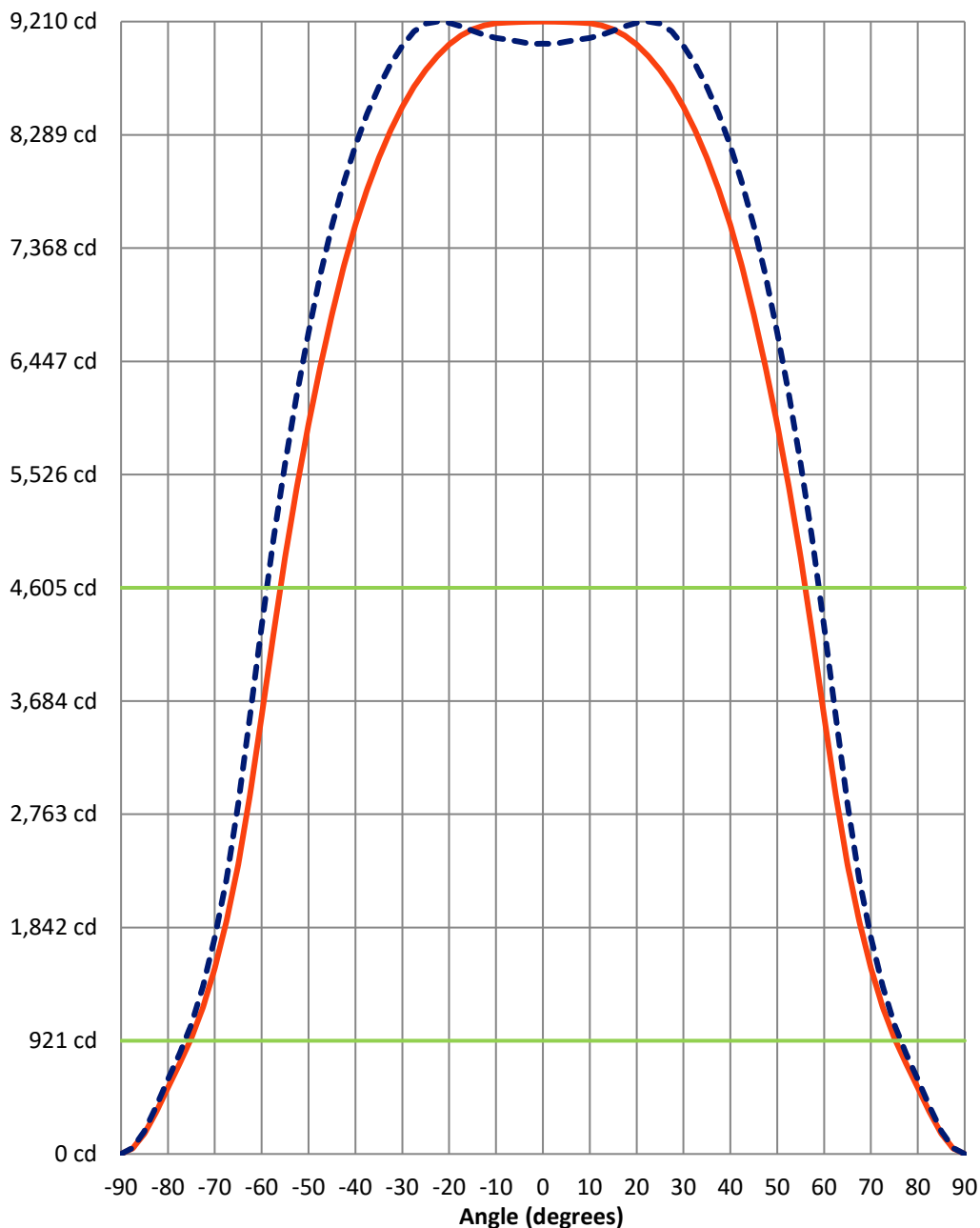
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 23445.6
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 27618.3
 Efficiency: 98.0%

Spill:
 Lumens: 554.1
 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	2.2	4.4	6.6	8.7	10.9	13.0	15.2	17.2	19.3	21.3
85°	0.0	4.4	8.8	13.1	17.5	21.8	26.1	30.3	34.4	38.5	42.6
82.5°	0.0	6.6	13.1	19.7	26.2	32.6	39.0	45.3	53.6	70.3	86.7
80°	0.0	8.7	17.5	26.2	34.8	43.4	54.6	77.4	100.0	122.2	144.0
77.5°	0.0	10.9	21.8	32.6	43.4	60.5	89.4	117.9	146.0	173.8	207.2
75°	0.0	13.0	26.1	39.0	54.6	89.4	123.9	158.0	193.7	242.0	289.5
72.5°	0.0	15.2	30.3	45.3	77.4	117.9	158.0	202.4	259.5	315.7	371.0
70°	0.0	17.2	34.4	53.6	100.0	146.0	193.7	259.5	324.5	388.7	458.2
67.5°	0.0	19.3	38.5	70.3	122.2	173.8	242.0	315.7	388.7	467.8	545.7
65°	0.0	21.3	42.6	86.7	144.0	207.2	289.5	371.0	458.2	545.7	630.8
62.5°	0.0	23.3	46.5	102.8	165.4	246.1	336.1	429.2	526.3	621.5	711.7
60°	0.0	25.2	50.4	118.5	186.4	284.2	381.8	487.7	593.1	693.0	791.0
57.5°	0.0	27.1	60.5	133.8	215.6	321.3	430.3	544.9	656.0	763.0	875.6
55°	0.0	28.9	70.4	148.7	244.6	357.5	478.1	600.6	716.7	833.3	961.5
52.5°	0.0	30.7	80.1	163.2	272.6	393.2	524.5	652.5	775.7	908.6	1045.2
50°	0.0	32.4	89.4	177.1	299.8	430.6	569.4	702.6	835.2	981.6	1149.2
47.5°	0.0	34.0	98.4	192.1	326.0	466.7	612.5	750.9	898.0	1052.3	1252.6
45°	0.0	35.6	107.0	211.0	351.2	501.5	652.3	797.5	958.4	1141.4	1352.3
42.5°	0.0	37.2	115.3	229.1	375.4	534.7	690.5	845.6	1016.4	1227.4	1469.8
40°	0.0	38.6	123.2	246.3	399.6	566.5	727.0	894.0	1077.5	1309.7	1585.8
37.5°	0.0	40.0	130.7	262.7	423.7	596.7	761.6	940.0	1146.9	1393.8	1696.5
35°	0.0	41.3	137.8	278.2	446.5	624.4	794.4	983.5	1212.6	1487.8	1809.5
32.5°	0.0	42.5	144.4	292.8	467.9	650.0	826.5	1024.6	1274.5	1576.4	1928.2
30°	0.0	43.6	150.6	306.3	487.9	674.0	859.2	1065.8	1332.5	1659.3	2039.6
27.5°	0.0	44.7	156.4	319.0	506.5	696.2	889.6	1112.6	1391.7	1736.5	2143.2
25°	0.0	45.7	161.7	330.5	523.5	716.6	917.6	1155.7	1454.4	1816.9	2240.0
22.5°	0.0	46.6	166.5	341.1	539.1	735.3	943.1	1195.1	1511.7	1894.8	2353.1
20°	0.0	47.4	170.8	350.6	553.1	752.1	966.1	1230.6	1563.4	1965.1	2455.2
17.5°	0.0	48.1	174.7	359.1	565.5	767.0	986.5	1262.1	1609.3	2027.6	2546.0
15°	0.0	48.7	178.0	366.4	576.4	779.9	1004.2	1289.5	1649.3	2082.1	2625.2
12.5°	0.0	49.2	180.9	372.6	585.6	791.0	1019.3	1312.9	1683.3	2128.5	2692.7
10°	0.0	49.6	183.2	377.8	593.1	800.0	1031.7	1332.0	1711.3	2166.7	2748.2
7.5°	0.0	50.0	185.1	381.8	599.0	807.1	1041.4	1347.0	1733.1	2196.5	2791.5
5°	0.0	50.2	186.4	384.6	603.2	812.1	1048.3	1357.7	1748.8	2217.8	2822.6
2.5°	0.0	50.4	187.1	386.3	605.8	815.2	1052.5	1364.2	1758.2	2230.6	2841.3
0°	0.0	50.4	187.4	386.9	606.6	816.2	1053.9	1366.3	1761.3	2234.9	2847.5
-2.5°	0.0	50.4	187.1	386.3	605.8	815.2	1052.5	1364.2	1758.2	2230.6	2841.3
-5°	0.0	50.2	186.4	384.6	603.2	812.1	1048.3	1357.7	1748.8	2217.8	2822.6
-7.5°	0.0	50.0	185.1	381.8	599.0	807.1	1041.4	1347.0	1733.1	2196.5	2791.5
-10°	0.0	49.6	183.2	377.8	593.1	800.0	1031.7	1332.0	1711.3	2166.7	2748.2
-12.5°	0.0	49.2	180.9	372.6	585.6	791.0	1019.3	1312.9	1683.3	2128.5	2692.7
-15°	0.0	48.7	178.0	366.4	576.4	779.9	1004.2	1289.5	1649.3	2082.1	2625.2
-17.5°	0.0	48.1	174.7	359.1	565.5	767.0	986.5	1262.1	1609.3	2027.6	2546.0
-20°	0.0	47.4	170.8	350.6	553.1	752.1	966.1	1230.6	1563.4	1965.1	2455.2

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Scaled Data Report



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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	46.6	166.5	341.1	539.1	735.3	943.1	1195.1	1511.7	1894.8	2353.1
-25°	0.0	45.7	161.7	330.5	523.5	716.6	917.6	1155.7	1454.4	1816.9	2240.0
-27.5°	0.0	44.7	156.4	319.0	506.5	696.2	889.6	1112.6	1391.7	1736.5	2143.2
-30°	0.0	43.6	150.6	306.3	487.9	674.0	859.2	1065.8	1332.5	1659.3	2039.6
-32.5°	0.0	42.5	144.4	292.8	467.9	650.0	826.5	1024.6	1274.5	1576.4	1928.2
-35°	0.0	41.3	137.8	278.2	446.5	624.4	794.4	983.5	1212.6	1487.8	1809.5
-37.5°	0.0	40.0	130.7	262.7	423.7	596.7	761.6	940.0	1146.9	1393.8	1696.5
-40°	0.0	38.6	123.2	246.3	399.6	566.5	727.0	894.0	1077.5	1309.7	1585.8
-42.5°	0.0	37.2	115.3	229.1	375.4	534.7	690.5	845.6	1016.4	1227.4	1469.8
-45°	0.0	35.6	107.0	211.0	351.2	501.5	652.3	797.5	958.4	1141.4	1352.3
-47.5°	0.0	34.0	98.4	192.1	326.0	466.7	612.5	750.9	898.0	1052.3	1252.6
-50°	0.0	32.4	89.4	177.1	299.8	430.6	569.4	702.6	835.2	981.6	1149.2
-52.5°	0.0	30.7	80.1	163.2	272.6	393.2	524.5	652.5	775.7	908.6	1045.2
-55°	0.0	28.9	70.4	148.7	244.6	357.5	478.1	600.6	716.7	833.3	961.5
-57.5°	0.0	27.1	60.5	133.8	215.6	321.3	430.3	544.9	656.0	763.0	875.6
-60°	0.0	25.2	50.4	118.5	186.4	284.2	381.8	487.7	593.1	693.0	791.0
-62.5°	0.0	23.3	46.5	102.8	165.4	246.1	336.1	429.2	526.3	621.5	711.7
-65°	0.0	21.3	42.6	86.7	144.0	207.2	289.5	371.0	458.2	545.7	630.8
-67.5°	0.0	19.3	38.5	70.3	122.2	173.8	242.0	315.7	388.7	467.8	545.7
-70°	0.0	17.2	34.4	53.6	100.0	146.0	193.7	259.5	324.5	388.7	458.2
-72.5°	0.0	15.2	30.3	45.3	77.4	117.9	158.0	202.4	259.5	315.7	371.0
-75°	0.0	13.0	26.1	39.0	54.6	89.4	123.9	158.0	193.7	242.0	289.5
-77.5°	0.0	10.9	21.8	32.6	43.4	60.5	89.4	117.9	146.0	173.8	207.2
-80°	0.0	8.7	17.5	26.2	34.8	43.4	54.6	77.4	100.0	122.2	144.0
-82.5°	0.0	6.6	13.1	19.7	26.2	32.6	39.0	45.3	53.6	70.3	86.7
-85°	0.0	4.4	8.8	13.1	17.5	21.8	26.1	30.3	34.4	38.5	42.6
-87.5°	0.0	2.2	4.4	6.6	8.7	10.9	13.0	15.2	17.2	19.3	21.3
-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: P645516 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-LAM-XX

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°	23.3	25.2	27.1	28.9	30.7	32.4	34.0	35.6	37.2	38.6	40.0
85°	46.5	50.4	60.5	70.4	80.1	89.4	98.4	107.0	115.3	123.2	130.7
82.5°	102.8	118.5	133.8	148.7	163.2	177.1	192.1	211.0	229.1	246.3	262.7
80°	165.4	186.4	215.6	244.6	272.6	299.8	326.0	351.2	375.4	399.6	423.7
77.5°	246.1	284.2	321.3	357.5	393.2	430.6	466.7	501.5	534.7	566.5	596.7
75°	336.1	381.8	430.3	478.1	524.5	569.4	612.5	652.3	690.5	727.0	761.6
72.5°	429.2	487.7	544.9	600.6	652.5	702.6	750.9	797.5	845.6	894.0	940.0
70°	526.3	593.1	656.0	716.7	775.7	835.2	898.0	958.4	1016.4	1077.5	1146.9
67.5°	621.5	693.0	763.0	833.3	908.6	981.6	1052.3	1141.4	1227.4	1309.7	1393.8
65°	711.7	791.0	875.6	961.5	1045.2	1149.2	1252.6	1352.3	1469.8	1585.8	1696.5
62.5°	800.3	896.9	993.5	1098.6	1219.5	1337.0	1473.3	1612.3	1746.1	1896.8	2043.5
60°	896.9	1004.2	1126.9	1262.1	1401.2	1563.4	1720.6	1894.8	2070.4	2240.0	2448.2
57.5°	993.5	1126.9	1276.3	1437.4	1617.8	1800.0	2004.6	2202.6	2440.0	2677.2	2913.2
55°	1098.6	1262.1	1437.4	1636.1	1844.0	2071.0	2308.2	2584.7	2852.3	3150.4	3435.9
52.5°	1219.5	1401.2	1617.8	1844.0	2093.2	2366.2	2672.3	2988.8	3322.2	3645.9	3963.5
50°	1337.0	1563.4	1800.0	2071.0	2366.2	2701.6	3057.6	3426.2	3790.2	4145.3	4477.8
47.5°	1473.3	1720.6	2004.6	2308.2	2672.3	3057.6	3461.1	3862.9	4255.5	4619.7	4968.6
45°	1612.3	1894.8	2202.6	2584.7	2988.8	3426.2	3862.9	4292.4	4691.2	5067.6	5396.8
42.5°	1746.1	2070.4	2440.0	2852.3	3322.2	3790.2	4255.5	4691.2	5099.8	5462.3	5793.0
40°	1896.8	2240.0	2677.2	3150.4	3645.9	4145.3	4619.7	5067.6	5462.3	5823.2	6158.1
37.5°	2043.5	2448.2	2913.2	3435.9	3963.5	4477.8	4968.6	5396.8	5793.0	6158.1	6479.4
35°	2182.8	2646.1	3163.9	3712.7	4266.6	4789.5	5267.1	5703.1	6096.8	6451.1	6779.5
32.5°	2337.7	2833.2	3401.2	3978.6	4542.7	5075.2	5548.6	5975.2	6366.5	6726.3	7052.5
30°	2497.4	3035.0	3626.5	4229.0	4802.0	5322.8	5795.5	6227.5	6615.7	6971.0	7290.7
27.5°	2646.1	3225.3	3841.4	4455.6	5038.9	5555.1	6021.4	6446.7	6837.1	7194.9	7504.7
25°	2783.6	3401.2	4040.3	4663.1	5238.3	5755.7	6226.3	6651.2	7039.5	7382.7	7683.9
22.5°	2919.2	3562.4	4222.6	4853.4	5421.5	5935.1	6401.4	6827.4	7215.9	7555.9	7845.0
20°	3051.1	3712.7	4383.4	5022.2	5587.8	6098.1	6560.8	6986.0	7364.0	7693.4	7981.1
17.5°	3168.4	3846.5	4524.1	5158.4	5724.5	6237.2	6701.8	7128.4	7497.4	7817.4	8098.7
15°	3270.9	3963.5	4647.2	5277.7	5842.1	6352.8	6817.4	7239.3	7605.8	7923.2	8202.5
12.5°	3358.3	4063.2	4752.1	5379.6	5942.6	6451.7	6916.4	7332.5	7692.9	8006.1	8279.3
10°	3430.1	4145.3	4838.6	5463.6	6025.6	6533.4	6998.3	7409.6	7765.0	8075.0	8343.3
7.5°	3486.3	4209.5	4906.3	5529.3	6090.5	6597.4	7062.6	7470.2	7821.8	8129.2	8393.9
5°	3526.5	4255.5	4954.8	5576.4	6137.1	6643.4	7108.8	7513.8	7862.7	8168.4	8430.4
2.5°	3550.7	4283.2	4984.0	5604.8	6165.2	6671.1	7136.6	7540.1	7887.4	8192.0	8452.4
0°	3558.8	4292.4	4993.7	5614.3	6174.6	6680.4	7145.9	7548.9	7895.6	8199.9	8459.8
-2.5°	3550.7	4283.2	4984.0	5604.8	6165.2	6671.1	7136.6	7540.1	7887.4	8192.0	8452.4
-5°	3526.5	4255.5	4954.8	5576.4	6137.1	6643.4	7108.8	7513.8	7862.7	8168.4	8430.4
-7.5°	3486.3	4209.5	4906.3	5529.3	6090.5	6597.4	7062.6	7470.2	7821.8	8129.2	8393.9
-10°	3430.1	4145.3	4838.6	5463.6	6025.6	6533.4	6998.3	7409.6	7765.0	8075.0	8343.3
-12.5°	3358.3	4063.2	4752.1	5379.6	5942.6	6451.7	6916.4	7332.5	7692.9	8006.1	8279.3
-15°	3270.9	3963.5	4647.2	5277.7	5842.1	6352.8	6817.4	7239.3	7605.8	7923.2	8202.5
-17.5°	3168.4	3846.5	4524.1	5158.4	5724.5	6237.2	6701.8	7128.4	7497.4	7817.4	8098.7
-20°	3051.1	3712.7	4383.4	5022.2	5587.8	6098.1	6560.8	6986.0	7364.0	7693.4	7981.1



REPORT NUMBER: P645516 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-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°	2919.2	3562.4	4222.6	4853.4	5421.5	5935.1	6401.4	6827.4	7215.9	7555.9	7845.0
-25°	2783.6	3401.2	4040.3	4663.1	5238.3	5755.7	6226.3	6651.2	7039.5	7382.7	7683.9
-27.5°	2646.1	3225.3	3841.4	4455.6	5038.9	5555.1	6021.4	6446.7	6837.1	7194.9	7504.7
-30°	2497.4	3035.0	3626.5	4229.0	4802.0	5322.8	5795.5	6227.5	6615.7	6971.0	7290.7
-32.5°	2337.7	2833.2	3401.2	3978.6	4542.7	5075.2	5548.6	5975.2	6366.5	6726.3	7052.5
-35°	2182.8	2646.1	3163.9	3712.7	4266.6	4789.5	5267.1	5703.1	6096.8	6451.1	6779.5
-37.5°	2043.5	2448.2	2913.2	3435.9	3963.5	4477.8	4968.6	5396.8	5793.0	6158.1	6479.4
-40°	1896.8	2240.0	2677.2	3150.4	3645.9	4145.3	4619.7	5067.6	5462.3	5823.2	6158.1
-42.5°	1746.1	2070.4	2440.0	2852.3	3322.2	3790.2	4255.5	4691.2	5099.8	5462.3	5793.0
-45°	1612.3	1894.8	2202.6	2584.7	2988.8	3426.2	3862.9	4292.4	4691.2	5067.6	5396.8
-47.5°	1473.3	1720.6	2004.6	2308.2	2672.3	3057.6	3461.1	3862.9	4255.5	4619.7	4968.6
-50°	1337.0	1563.4	1800.0	2071.0	2366.2	2701.6	3057.6	3426.2	3790.2	4145.3	4477.8
-52.5°	1219.5	1401.2	1617.8	1844.0	2093.2	2366.2	2672.3	2988.8	3322.2	3645.9	3963.5
-55°	1098.6	1262.1	1437.4	1636.1	1844.0	2071.0	2308.2	2584.7	2852.3	3150.4	3435.9
-57.5°	993.5	1126.9	1276.3	1437.4	1617.8	1800.0	2004.6	2202.6	2440.0	2677.2	2913.2
-60°	896.9	1004.2	1126.9	1262.1	1401.2	1563.4	1720.6	1894.8	2070.4	2240.0	2448.2
-62.5°	800.3	896.9	993.5	1098.6	1219.5	1337.0	1473.3	1612.3	1746.1	1896.8	2043.5
-65°	711.7	791.0	875.6	961.5	1045.2	1149.2	1252.6	1352.3	1469.8	1585.8	1696.5
-67.5°	621.5	693.0	763.0	833.3	908.6	981.6	1052.3	1141.4	1227.4	1309.7	1393.8
-70°	526.3	593.1	656.0	716.7	775.7	835.2	898.0	958.4	1016.4	1077.5	1146.9
-72.5°	429.2	487.7	544.9	600.6	652.5	702.6	750.9	797.5	845.6	894.0	940.0
-75°	336.1	381.8	430.3	478.1	524.5	569.4	612.5	652.3	690.5	727.0	761.6
-77.5°	246.1	284.2	321.3	357.5	393.2	430.6	466.7	501.5	534.7	566.5	596.7
-80°	165.4	186.4	215.6	244.6	272.6	299.8	326.0	351.2	375.4	399.6	423.7
-82.5°	102.8	118.5	133.8	148.7	163.2	177.1	192.1	211.0	229.1	246.3	262.7
-85°	46.5	50.4	60.5	70.4	80.1	89.4	98.4	107.0	115.3	123.2	130.7
-87.5°	23.3	25.2	27.1	28.9	30.7	32.4	34.0	35.6	37.2	38.6	40.0
-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: P645516 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-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°	41.3	42.5	43.6	44.7	45.7	46.6	47.4	48.1	48.7	49.2	49.6
85°	137.8	144.4	150.6	156.4	161.7	166.5	170.8	174.7	178.0	180.9	183.2
82.5°	278.2	292.8	306.3	319.0	330.5	341.1	350.6	359.1	366.4	372.6	377.8
80°	446.5	467.9	487.9	506.5	523.5	539.1	553.1	565.5	576.4	585.6	593.1
77.5°	624.4	650.0	674.0	696.2	716.6	735.3	752.1	767.0	779.9	791.0	800.0
75°	794.4	826.5	859.2	889.6	917.6	943.1	966.1	986.5	1004.2	1019.3	1031.7
72.5°	983.5	1024.6	1065.8	1112.6	1155.7	1195.1	1230.6	1262.1	1289.5	1312.9	1332.0
70°	1212.6	1274.5	1332.5	1391.7	1454.4	1511.7	1563.4	1609.3	1649.3	1683.3	1711.3
67.5°	1487.8	1576.4	1659.3	1736.5	1816.9	1894.8	1965.1	2027.6	2082.1	2128.5	2166.7
65°	1809.5	1928.2	2039.6	2143.2	2240.0	2353.1	2455.2	2546.0	2625.2	2692.7	2748.2
62.5°	2182.8	2337.7	2497.4	2646.1	2783.6	2919.2	3051.1	3168.4	3270.9	3358.3	3430.1
60°	2646.1	2833.2	3035.0	3225.3	3401.2	3562.4	3712.7	3846.5	3963.5	4063.2	4145.3
57.5°	3163.9	3401.2	3626.5	3841.4	4040.3	4222.6	4383.4	4524.1	4647.2	4752.1	4838.6
55°	3712.7	3978.6	4229.0	4455.6	4663.1	4853.4	5022.2	5158.4	5277.7	5379.6	5463.6
52.5°	4266.6	4542.7	4802.0	5038.9	5238.3	5421.5	5587.8	5724.5	5842.1	5942.6	6025.6
50°	4789.5	5075.2	5322.8	5555.1	5755.7	5935.1	6098.1	6237.2	6352.8	6451.7	6533.4
47.5°	5267.1	5548.6	5795.5	6021.4	6226.3	6401.4	6560.8	6701.8	6817.4	6916.4	6998.3
45°	5703.1	5975.2	6227.5	6446.7	6651.2	6827.4	6986.0	7128.4	7239.3	7332.5	7409.6
42.5°	6096.8	6366.5	6615.7	6837.1	7039.5	7215.9	7364.0	7497.4	7605.8	7692.9	7765.0
40°	6451.1	6726.3	6971.0	7194.9	7382.7	7555.9	7693.4	7817.4	7923.2	8006.1	8075.0
37.5°	6779.5	7052.5	7290.7	7504.7	7683.9	7845.0	7981.1	8098.7	8202.5	8279.3	8343.3
35°	7079.8	7339.1	7574.8	7771.0	7948.7	8100.4	8234.4	8342.8	8439.2	8512.5	8570.9
32.5°	7339.1	7596.3	7815.1	8008.3	8181.8	8323.3	8451.7	8551.1	8638.6	8709.1	8763.4
30°	7574.8	7815.1	8028.3	8219.7	8377.7	8515.5	8631.2	8728.2	8809.1	8876.3	8924.0
27.5°	7771.0	8008.3	8219.7	8396.0	8547.3	8680.0	8785.9	8879.3	8949.8	9011.7	9052.8
25°	7948.7	8181.8	8377.7	8547.3	8694.2	8815.3	8916.1	9000.7	9063.2	9116.3	9146.8
22.5°	8100.4	8323.3	8515.5	8680.0	8815.3	8928.5	9023.5	9095.1	9146.3	9178.3	9196.4
20°	8234.4	8451.7	8631.2	8785.9	8916.1	9023.5	9105.9	9158.9	9194.5	9203.4	9208.6
17.5°	8342.8	8551.1	8728.2	8879.3	9000.7	9095.1	9158.9	9196.2	9206.9	9205.0	9199.7
15°	8439.2	8638.6	8809.1	8949.8	9063.2	9146.3	9194.5	9206.9	9203.8	9193.0	9176.4
12.5°	8512.5	8709.1	8876.3	9011.7	9116.3	9178.3	9203.4	9205.0	9193.0	9172.4	9148.8
10°	8570.9	8763.4	8924.0	9052.8	9146.8	9196.4	9208.6	9199.7	9176.4	9148.8	9122.6
7.5°	8617.1	8806.4	8962.0	9085.5	9166.7	9202.0	9204.7	9188.0	9160.0	9128.7	9100.4
5°	8650.5	8837.6	8989.6	9109.5	9181.4	9206.1	9201.8	9178.9	9146.4	9113.6	9087.8
2.5°	8670.7	8856.6	9006.4	9124.0	9190.3	9208.6	9200.0	9173.1	9137.8	9103.9	9079.4
0°	8677.5	8862.9	9012.0	9128.9	9193.3	9209.5	9199.4	9171.2	9134.9	9100.6	9076.5
-2.5°	8670.7	8856.6	9006.4	9124.0	9190.3	9208.6	9200.0	9173.1	9137.8	9103.9	9079.4
-5°	8650.5	8837.6	8989.6	9109.5	9181.4	9206.1	9201.8	9178.9	9146.4	9113.6	9087.8
-7.5°	8617.1	8806.4	8962.0	9085.5	9166.7	9202.0	9204.7	9188.0	9160.0	9128.7	9100.4
-10°	8570.9	8763.4	8924.0	9052.8	9146.8	9196.4	9208.6	9199.7	9176.4	9148.8	9122.6
-12.5°	8512.5	8709.1	8876.3	9011.7	9116.3	9178.3	9203.4	9205.0	9193.0	9172.4	9148.8
-15°	8439.2	8638.6	8809.1	8949.8	9063.2	9146.3	9194.5	9206.9	9203.8	9193.0	9176.4
-17.5°	8342.8	8551.1	8728.2	8879.3	9000.7	9095.1	9158.9	9196.2	9206.9	9205.0	9199.7
-20°	8234.4	8451.7	8631.2	8785.9	8916.1	9023.5	9105.9	9158.9	9194.5	9203.4	9208.6



REPORT NUMBER: P645516 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8100.4	8323.3	8515.5	8680.0	8815.3	8928.5	9023.5	9095.1	9146.3	9178.3	9196.4
-25°	7948.7	8181.8	8377.7	8547.3	8694.2	8815.3	8916.1	9000.7	9063.2	9116.3	9146.8
-27.5°	7771.0	8008.3	8219.7	8396.0	8547.3	8680.0	8785.9	8879.3	8949.8	9011.7	9052.8
-30°	7574.8	7815.1	8028.3	8219.7	8377.7	8515.5	8631.2	8728.2	8809.1	8876.3	8924.0
-32.5°	7339.1	7596.3	7815.1	8008.3	8181.8	8323.3	8451.7	8551.1	8638.6	8709.1	8763.4
-35°	7079.8	7339.1	7574.8	7771.0	7948.7	8100.4	8234.4	8342.8	8439.2	8512.5	8570.9
-37.5°	6779.5	7052.5	7290.7	7504.7	7683.9	7845.0	7981.1	8098.7	8202.5	8279.3	8343.3
-40°	6451.1	6726.3	6971.0	7194.9	7382.7	7555.9	7693.4	7817.4	7923.2	8006.1	8075.0
-42.5°	6096.8	6366.5	6615.7	6837.1	7039.5	7215.9	7364.0	7497.4	7605.8	7692.9	7765.0
-45°	5703.1	5975.2	6227.5	6446.7	6651.2	6827.4	6986.0	7128.4	7239.3	7332.5	7409.6
-47.5°	5267.1	5548.6	5795.5	6021.4	6226.3	6401.4	6560.8	6701.8	6817.4	6916.4	6998.3
-50°	4789.5	5075.2	5322.8	5555.1	5755.7	5935.1	6098.1	6237.2	6352.8	6451.7	6533.4
-52.5°	4266.6	4542.7	4802.0	5038.9	5238.3	5421.5	5587.8	5724.5	5842.1	5942.6	6025.6
-55°	3712.7	3978.6	4229.0	4455.6	4663.1	4853.4	5022.2	5158.4	5277.7	5379.6	5463.6
-57.5°	3163.9	3401.2	3626.5	3841.4	4040.3	4222.6	4383.4	4524.1	4647.2	4752.1	4838.6
-60°	2646.1	2833.2	3035.0	3225.3	3401.2	3562.4	3712.7	3846.5	3963.5	4063.2	4145.3
-62.5°	2182.8	2337.7	2497.4	2646.1	2783.6	2919.2	3051.1	3168.4	3270.9	3358.3	3430.1
-65°	1809.5	1928.2	2039.6	2143.2	2240.0	2353.1	2455.2	2546.0	2625.2	2692.7	2748.2
-67.5°	1487.8	1576.4	1659.3	1736.5	1816.9	1894.8	1965.1	2027.6	2082.1	2128.5	2166.7
-70°	1212.6	1274.5	1332.5	1391.7	1454.4	1511.7	1563.4	1609.3	1649.3	1683.3	1711.3
-72.5°	983.5	1024.6	1065.8	1112.6	1155.7	1195.1	1230.6	1262.1	1289.5	1312.9	1332.0
-75°	794.4	826.5	859.2	889.6	917.6	943.1	966.1	986.5	1004.2	1019.3	1031.7
-77.5°	624.4	650.0	674.0	696.2	716.6	735.3	752.1	767.0	779.9	791.0	800.0
-80°	446.5	467.9	487.9	506.5	523.5	539.1	553.1	565.5	576.4	585.6	593.1
-82.5°	278.2	292.8	306.3	319.0	330.5	341.1	350.6	359.1	366.4	372.6	377.8
-85°	137.8	144.4	150.6	156.4	161.7	166.5	170.8	174.7	178.0	180.9	183.2
-87.5°	41.3	42.5	43.6	44.7	45.7	46.6	47.4	48.1	48.7	49.2	49.6
-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: P645516 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-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°	50.0	50.2	50.4	50.4	50.4	50.2	50.0	49.6	49.2	48.7	48.1
85°	185.1	186.4	187.1	187.4	187.1	186.4	185.1	183.2	180.9	178.0	174.7
82.5°	381.8	384.6	386.3	386.9	386.3	384.6	381.8	377.8	372.6	366.4	359.1
80°	599.0	603.2	605.8	606.6	605.8	603.2	599.0	593.1	585.6	576.4	565.5
77.5°	807.1	812.1	815.2	816.2	815.2	812.1	807.1	800.0	791.0	779.9	767.0
75°	1041.4	1048.3	1052.5	1053.9	1052.5	1048.3	1041.4	1031.7	1019.3	1004.2	986.5
72.5°	1347.0	1357.7	1364.2	1366.3	1364.2	1357.7	1347.0	1332.0	1312.9	1289.5	1262.1
70°	1733.1	1748.8	1758.2	1761.3	1758.2	1748.8	1733.1	1711.3	1683.3	1649.3	1609.3
67.5°	2196.5	2217.8	2230.6	2234.9	2230.6	2217.8	2196.5	2166.7	2128.5	2082.1	2027.6
65°	2791.5	2822.6	2841.3	2847.5	2841.3	2822.6	2791.5	2748.2	2692.7	2625.2	2546.0
62.5°	3486.3	3526.5	3550.7	3558.8	3550.7	3526.5	3486.3	3430.1	3358.3	3270.9	3168.4
60°	4209.5	4255.5	4283.2	4292.4	4283.2	4255.5	4209.5	4145.3	4063.2	3963.5	3846.5
57.5°	4906.3	4954.8	4984.0	4993.7	4984.0	4954.8	4906.3	4838.6	4752.1	4647.2	4524.1
55°	5529.3	5576.4	5604.8	5614.3	5604.8	5576.4	5529.3	5463.6	5379.6	5277.7	5158.4
52.5°	6090.5	6137.1	6165.2	6174.6	6165.2	6137.1	6090.5	6025.6	5942.6	5842.1	5724.5
50°	6597.4	6643.4	6671.1	6680.4	6671.1	6643.4	6597.4	6533.4	6451.7	6352.8	6237.2
47.5°	7062.6	7108.8	7136.6	7145.9	7136.6	7108.8	7062.6	6998.3	6916.4	6817.4	6701.8
45°	7470.2	7513.8	7540.1	7548.9	7540.1	7513.8	7470.2	7409.6	7332.5	7239.3	7128.4
42.5°	7821.8	7862.7	7887.4	7895.6	7887.4	7862.7	7821.8	7765.0	7692.9	7605.8	7497.4
40°	8129.2	8168.4	8192.0	8199.9	8192.0	8168.4	8129.2	8075.0	8006.1	7923.2	7817.4
37.5°	8393.9	8430.4	8452.4	8459.8	8452.4	8430.4	8393.9	8343.3	8279.3	8202.5	8098.7
35°	8617.1	8650.5	8670.7	8677.5	8670.7	8650.5	8617.1	8570.9	8512.5	8439.2	8342.8
32.5°	8806.4	8837.6	8856.6	8862.9	8856.6	8837.6	8806.4	8763.4	8709.1	8638.6	8551.1
30°	8962.0	8989.6	9006.4	9012.0	9006.4	8989.6	8962.0	8924.0	8876.3	8809.1	8728.2
27.5°	9085.5	9109.5	9124.0	9128.9	9124.0	9109.5	9085.5	9052.8	9011.7	8949.8	8879.3
25°	9166.7	9181.4	9190.3	9193.3	9190.3	9181.4	9166.7	9146.8	9116.3	9063.2	9000.7
22.5°	9202.0	9206.1	9208.6	9209.5	9208.6	9206.1	9202.0	9196.4	9178.3	9146.3	9095.1
20°	9204.7	9201.8	9200.0	9199.4	9200.0	9201.8	9204.7	9208.6	9203.4	9194.5	9158.9
17.5°	9188.0	9178.9	9173.1	9171.2	9173.1	9178.9	9188.0	9199.7	9205.0	9206.9	9196.2
15°	9160.0	9146.4	9137.8	9134.9	9137.8	9146.4	9160.0	9176.4	9193.0	9203.8	9206.9
12.5°	9128.7	9113.6	9103.9	9100.6	9103.9	9113.6	9128.7	9148.8	9172.4	9193.0	9205.0
10°	9100.4	9087.8	9079.4	9076.5	9079.4	9087.8	9100.4	9122.6	9148.8	9176.4	9199.7
7.5°	9082.2	9070.9	9064.7	9062.4	9064.7	9070.9	9082.2	9100.4	9128.7	9160.0	9188.0
5°	9070.9	9059.6	9050.0	9046.2	9050.0	9059.6	9070.9	9087.8	9113.6	9146.4	9178.9
2.5°	9064.7	9050.0	9035.6	9028.1	9035.6	9050.0	9064.7	9079.4	9103.9	9137.8	9173.1
0°	9062.4	9046.2	9028.1	9030.1	9028.1	9046.2	9062.4	9076.5	9100.6	9134.9	9171.2
-2.5°	9064.7	9050.0	9035.6	9028.1	9035.6	9050.0	9064.7	9079.4	9103.9	9137.8	9173.1
-5°	9070.9	9059.6	9050.0	9046.2	9050.0	9059.6	9070.9	9087.8	9113.6	9146.4	9178.9
-7.5°	9082.2	9070.9	9064.7	9062.4	9064.7	9070.9	9082.2	9100.4	9128.7	9160.0	9188.0
-10°	9100.4	9087.8	9079.4	9076.5	9079.4	9087.8	9100.4	9122.6	9148.8	9176.4	9199.7
-12.5°	9128.7	9113.6	9103.9	9100.6	9103.9	9113.6	9128.7	9148.8	9172.4	9193.0	9205.0
-15°	9160.0	9146.4	9137.8	9134.9	9137.8	9146.4	9160.0	9176.4	9193.0	9203.8	9206.9
-17.5°	9188.0	9178.9	9173.1	9171.2	9173.1	9178.9	9188.0	9199.7	9205.0	9206.9	9196.2
-20°	9204.7	9201.8	9200.0	9199.4	9200.0	9201.8	9204.7	9208.6	9203.4	9194.5	9158.9

Classified

Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: P645516 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-730-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°	9202.0	9206.1	9208.6	9209.5	9208.6	9206.1	9202.0	9196.4	9178.3	9146.3	9095.1
-25°	9166.7	9181.4	9190.3	9193.3	9190.3	9181.4	9166.7	9146.8	9116.3	9063.2	9000.7
-27.5°	9085.5	9109.5	9124.0	9128.9	9124.0	9109.5	9085.5	9052.8	9011.7	8949.8	8879.3
-30°	8962.0	8989.6	9006.4	9012.0	9006.4	8989.6	8962.0	8924.0	8876.3	8809.1	8728.2
-32.5°	8806.4	8837.6	8856.6	8862.9	8856.6	8837.6	8806.4	8763.4	8709.1	8638.6	8551.1
-35°	8617.1	8650.5	8670.7	8677.5	8670.7	8650.5	8617.1	8570.9	8512.5	8439.2	8342.8
-37.5°	8393.9	8430.4	8452.4	8459.8	8452.4	8430.4	8393.9	8343.3	8279.3	8202.5	8098.7
-40°	8129.2	8168.4	8192.0	8199.9	8192.0	8168.4	8129.2	8075.0	8006.1	7923.2	7817.4
-42.5°	7821.8	7862.7	7887.4	7895.6	7887.4	7862.7	7821.8	7765.0	7692.9	7605.8	7497.4
-45°	7470.2	7513.8	7540.1	7548.9	7540.1	7513.8	7470.2	7409.6	7332.5	7239.3	7128.4
-47.5°	7062.6	7108.8	7136.6	7145.9	7136.6	7108.8	7062.6	6998.3	6916.4	6817.4	6701.8
-50°	6597.4	6643.4	6671.1	6680.4	6671.1	6643.4	6597.4	6533.4	6451.7	6352.8	6237.2
-52.5°	6090.5	6137.1	6165.2	6174.6	6165.2	6137.1	6090.5	6025.6	5942.6	5842.1	5724.5
-55°	5529.3	5576.4	5604.8	5614.3	5604.8	5576.4	5529.3	5463.6	5379.6	5277.7	5158.4
-57.5°	4906.3	4954.8	4984.0	4993.7	4984.0	4954.8	4906.3	4838.6	4752.1	4647.2	4524.1
-60°	4209.5	4255.5	4283.2	4292.4	4283.2	4255.5	4209.5	4145.3	4063.2	3963.5	3846.5
-62.5°	3486.3	3526.5	3550.7	3558.8	3550.7	3526.5	3486.3	3430.1	3358.3	3270.9	3168.4
-65°	2791.5	2822.6	2841.3	2847.5	2841.3	2822.6	2791.5	2748.2	2692.7	2625.2	2546.0
-67.5°	2196.5	2217.8	2230.6	2234.9	2230.6	2217.8	2196.5	2166.7	2128.5	2082.1	2027.6
-70°	1733.1	1748.8	1758.2	1761.3	1758.2	1748.8	1733.1	1711.3	1683.3	1649.3	1609.3
-72.5°	1347.0	1357.7	1364.2	1366.3	1364.2	1357.7	1347.0	1332.0	1312.9	1289.5	1262.1
-75°	1041.4	1048.3	1052.5	1053.9	1052.5	1048.3	1041.4	1031.7	1019.3	1004.2	986.5
-77.5°	807.1	812.1	815.2	816.2	815.2	812.1	807.1	800.0	791.0	779.9	767.0
-80°	599.0	603.2	605.8	606.6	605.8	603.2	599.0	593.1	585.6	576.4	565.5
-82.5°	381.8	384.6	386.3	386.9	386.3	384.6	381.8	377.8	372.6	366.4	359.1
-85°	185.1	186.4	187.1	187.4	187.1	186.4	185.1	183.2	180.9	178.0	174.7
-87.5°	50.0	50.2	50.4	50.4	50.4	50.2	50.0	49.6	49.2	48.7	48.1
-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: P645516 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-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°	47.4	46.6	45.7	44.7	43.6	42.5	41.3	40.0	38.6	37.2	35.6
85°	170.8	166.5	161.7	156.4	150.6	144.4	137.8	130.7	123.2	115.3	107.0
82.5°	350.6	341.1	330.5	319.0	306.3	292.8	278.2	262.7	246.3	229.1	211.0
80°	553.1	539.1	523.5	506.5	487.9	467.9	446.5	423.7	399.6	375.4	351.2
77.5°	752.1	735.3	716.6	696.2	674.0	650.0	624.4	596.7	566.5	534.7	501.5
75°	966.1	943.1	917.6	889.6	859.2	826.5	794.4	761.6	727.0	690.5	652.3
72.5°	1230.6	1195.1	1155.7	1112.6	1065.8	1024.6	983.5	940.0	894.0	845.6	797.5
70°	1563.4	1511.7	1454.4	1391.7	1332.5	1274.5	1212.6	1146.9	1077.5	1016.4	958.4
67.5°	1965.1	1894.8	1816.9	1736.5	1659.3	1576.4	1487.8	1393.8	1309.7	1227.4	1141.4
65°	2455.2	2353.1	2240.0	2143.2	2039.6	1928.2	1809.5	1696.5	1585.8	1469.8	1352.3
62.5°	3051.1	2919.2	2783.6	2646.1	2497.4	2337.7	2182.8	2043.5	1896.8	1746.1	1612.3
60°	3712.7	3562.4	3401.2	3225.3	3035.0	2833.2	2646.1	2448.2	2240.0	2070.4	1894.8
57.5°	4383.4	4222.6	4040.3	3841.4	3626.5	3401.2	3163.9	2913.2	2677.2	2440.0	2202.6
55°	5022.2	4853.4	4663.1	4455.6	4229.0	3978.6	3712.7	3435.9	3150.4	2852.3	2584.7
52.5°	5587.8	5421.5	5238.3	5038.9	4802.0	4542.7	4266.6	3963.5	3645.9	3322.2	2988.8
50°	6098.1	5935.1	5755.7	5555.1	5322.8	5075.2	4789.5	4477.8	4145.3	3790.2	3426.2
47.5°	6560.8	6401.4	6226.3	6021.4	5795.5	5548.6	5267.1	4968.6	4619.7	4255.5	3862.9
45°	6986.0	6827.4	6651.2	6446.7	6227.5	5975.2	5703.1	5396.8	5067.6	4691.2	4292.4
42.5°	7364.0	7215.9	7039.5	6837.1	6615.7	6366.5	6096.8	5793.0	5462.3	5099.8	4691.2
40°	7693.4	7555.9	7382.7	7194.9	6971.0	6726.3	6451.1	6158.1	5823.2	5462.3	5067.6
37.5°	7981.1	7845.0	7683.9	7504.7	7290.7	7052.5	6779.5	6479.4	6158.1	5793.0	5396.8
35°	8234.4	8100.4	7948.7	7771.0	7574.8	7339.1	7079.8	6779.5	6451.1	6096.8	5703.1
32.5°	8451.7	8323.3	8181.8	8008.3	7815.1	7596.3	7339.1	7052.5	6726.3	6366.5	5975.2
30°	8631.2	8515.5	8377.7	8219.7	8028.3	7815.1	7574.8	7290.7	6971.0	6615.7	6227.5
27.5°	8785.9	8680.0	8547.3	8396.0	8219.7	8008.3	7771.0	7504.7	7194.9	6837.1	6446.7
25°	8916.1	8815.3	8694.2	8547.3	8377.7	8181.8	7948.7	7683.9	7382.7	7039.5	6651.2
22.5°	9023.5	8928.5	8815.3	8680.0	8515.5	8323.3	8100.4	7845.0	7555.9	7215.9	6827.4
20°	9105.9	9023.5	8916.1	8785.9	8631.2	8451.7	8234.4	7981.1	7693.4	7364.0	6986.0
17.5°	9158.9	9095.1	9000.7	8879.3	8728.2	8551.1	8342.8	8098.7	7817.4	7497.4	7128.4
15°	9194.5	9146.3	9063.2	8949.8	8809.1	8638.6	8439.2	8202.5	7923.2	7605.8	7239.3
12.5°	9203.4	9178.3	9116.3	9011.7	8876.3	8709.1	8512.5	8279.3	8006.1	7692.9	7332.5
10°	9208.6	9196.4	9146.8	9052.8	8924.0	8763.4	8570.9	8343.3	8075.0	7765.0	7409.6
7.5°	9204.7	9202.0	9166.7	9085.5	8962.0	8806.4	8617.1	8393.9	8129.2	7821.8	7470.2
5°	9201.8	9206.1	9181.4	9109.5	8989.6	8837.6	8650.5	8430.4	8168.4	7862.7	7513.8
2.5°	9200.0	9208.6	9190.3	9124.0	9006.4	8856.6	8670.7	8452.4	8192.0	7887.4	7540.1
0°	9199.4	9209.5	9193.3	9128.9	9012.0	8862.9	8677.5	8459.8	8199.9	7895.6	7548.9
-2.5°	9200.0	9208.6	9190.3	9124.0	9006.4	8856.6	8670.7	8452.4	8192.0	7887.4	7540.1
-5°	9201.8	9206.1	9181.4	9109.5	8989.6	8837.6	8650.5	8430.4	8168.4	7862.7	7513.8
-7.5°	9204.7	9202.0	9166.7	9085.5	8962.0	8806.4	8617.1	8393.9	8129.2	7821.8	7470.2
-10°	9208.6	9196.4	9146.8	9052.8	8924.0	8763.4	8570.9	8343.3	8075.0	7765.0	7409.6
-12.5°	9203.4	9178.3	9116.3	9011.7	8876.3	8709.1	8512.5	8279.3	8006.1	7692.9	7332.5
-15°	9194.5	9146.3	9063.2	8949.8	8809.1	8638.6	8439.2	8202.5	7923.2	7605.8	7239.3
-17.5°	9158.9	9095.1	9000.7	8879.3	8728.2	8551.1	8342.8	8098.7	7817.4	7497.4	7128.4
-20°	9105.9	9023.5	8916.1	8785.9	8631.2	8451.7	8234.4	7981.1	7693.4	7364.0	6986.0

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REPORT NUMBER: P645516 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9023.5	8928.5	8815.3	8680.0	8515.5	8323.3	8100.4	7845.0	7555.9	7215.9	6827.4
-25°	8916.1	8815.3	8694.2	8547.3	8377.7	8181.8	7948.7	7683.9	7382.7	7039.5	6651.2
-27.5°	8785.9	8680.0	8547.3	8396.0	8219.7	8008.3	7771.0	7504.7	7194.9	6837.1	6446.7
-30°	8631.2	8515.5	8377.7	8219.7	8028.3	7815.1	7574.8	7290.7	6971.0	6615.7	6227.5
-32.5°	8451.7	8323.3	8181.8	8008.3	7815.1	7596.3	7339.1	7052.5	6726.3	6366.5	5975.2
-35°	8234.4	8100.4	7948.7	7771.0	7574.8	7339.1	7079.8	6779.5	6451.1	6096.8	5703.1
-37.5°	7981.1	7845.0	7683.9	7504.7	7290.7	7052.5	6779.5	6479.4	6158.1	5793.0	5396.8
-40°	7693.4	7555.9	7382.7	7194.9	6971.0	6726.3	6451.1	6158.1	5823.2	5462.3	5067.6
-42.5°	7364.0	7215.9	7039.5	6837.1	6615.7	6366.5	6096.8	5793.0	5462.3	5099.8	4691.2
-45°	6986.0	6827.4	6651.2	6446.7	6227.5	5975.2	5703.1	5396.8	5067.6	4691.2	4292.4
-47.5°	6560.8	6401.4	6226.3	6021.4	5795.5	5548.6	5267.1	4968.6	4619.7	4255.5	3862.9
-50°	6098.1	5935.1	5755.7	5555.1	5322.8	5075.2	4789.5	4477.8	4145.3	3790.2	3426.2
-52.5°	5587.8	5421.5	5238.3	5038.9	4802.0	4542.7	4266.6	3963.5	3645.9	3322.2	2988.8
-55°	5022.2	4853.4	4663.1	4455.6	4229.0	3978.6	3712.7	3435.9	3150.4	2852.3	2584.7
-57.5°	4383.4	4222.6	4040.3	3841.4	3626.5	3401.2	3163.9	2913.2	2677.2	2440.0	2202.6
-60°	3712.7	3562.4	3401.2	3225.3	3035.0	2833.2	2646.1	2448.2	2240.0	2070.4	1894.8
-62.5°	3051.1	2919.2	2783.6	2646.1	2497.4	2337.7	2182.8	2043.5	1896.8	1746.1	1612.3
-65°	2455.2	2353.1	2240.0	2143.2	2039.6	1928.2	1809.5	1696.5	1585.8	1469.8	1352.3
-67.5°	1965.1	1894.8	1816.9	1736.5	1659.3	1576.4	1487.8	1393.8	1309.7	1227.4	1141.4
-70°	1563.4	1511.7	1454.4	1391.7	1332.5	1274.5	1212.6	1146.9	1077.5	1016.4	958.4
-72.5°	1230.6	1195.1	1155.7	1112.6	1065.8	1024.6	983.5	940.0	894.0	845.6	797.5
-75°	966.1	943.1	917.6	889.6	859.2	826.5	794.4	761.6	727.0	690.5	652.3
-77.5°	752.1	735.3	716.6	696.2	674.0	650.0	624.4	596.7	566.5	534.7	501.5
-80°	553.1	539.1	523.5	506.5	487.9	467.9	446.5	423.7	399.6	375.4	351.2
-82.5°	350.6	341.1	330.5	319.0	306.3	292.8	278.2	262.7	246.3	229.1	211.0
-85°	170.8	166.5	161.7	156.4	150.6	144.4	137.8	130.7	123.2	115.3	107.0
-87.5°	47.4	46.6	45.7	44.7	43.6	42.5	41.3	40.0	38.6	37.2	35.6
-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: P645516 (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°
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°	34.0	32.4	30.7	28.9	27.1	25.2	23.3	21.3	19.3	17.2	15.2
85°	98.4	89.4	80.1	70.4	60.5	50.4	46.5	42.6	38.5	34.4	30.3
82.5°	192.1	177.1	163.2	148.7	133.8	118.5	102.8	86.7	70.3	53.6	45.3
80°	326.0	299.8	272.6	244.6	215.6	186.4	165.4	144.0	122.2	100.0	77.4
77.5°	466.7	430.6	393.2	357.5	321.3	284.2	246.1	207.2	173.8	146.0	117.9
75°	612.5	569.4	524.5	478.1	430.3	381.8	336.1	289.5	242.0	193.7	158.0
72.5°	750.9	702.6	652.5	600.6	544.9	487.7	429.2	371.0	315.7	259.5	202.4
70°	898.0	835.2	775.7	716.7	656.0	593.1	526.3	458.2	388.7	324.5	259.5
67.5°	1052.3	981.6	908.6	833.3	763.0	693.0	621.5	545.7	467.8	388.7	315.7
65°	1252.6	1149.2	1045.2	961.5	875.6	791.0	711.7	630.8	545.7	458.2	371.0
62.5°	1473.3	1337.0	1219.5	1098.6	993.5	896.9	800.3	711.7	621.5	526.3	429.2
60°	1720.6	1563.4	1401.2	1262.1	1126.9	1004.2	896.9	791.0	693.0	593.1	487.7
57.5°	2004.6	1800.0	1617.8	1437.4	1276.3	1126.9	993.5	875.6	763.0	656.0	544.9
55°	2308.2	2071.0	1844.0	1636.1	1437.4	1262.1	1098.6	961.5	833.3	716.7	600.6
52.5°	2672.3	2366.2	2093.2	1844.0	1617.8	1401.2	1219.5	1045.2	908.6	775.7	652.5
50°	3057.6	2701.6	2366.2	2071.0	1800.0	1563.4	1337.0	1149.2	981.6	835.2	702.6
47.5°	3461.1	3057.6	2672.3	2308.2	2004.6	1720.6	1473.3	1252.6	1052.3	898.0	750.9
45°	3862.9	3426.2	2988.8	2584.7	2202.6	1894.8	1612.3	1352.3	1141.4	958.4	797.5
42.5°	4255.5	3790.2	3322.2	2852.3	2440.0	2070.4	1746.1	1469.8	1227.4	1016.4	845.6
40°	4619.7	4145.3	3645.9	3150.4	2677.2	2240.0	1896.8	1585.8	1309.7	1077.5	894.0
37.5°	4968.6	4477.8	3963.5	3435.9	2913.2	2448.2	2043.5	1696.5	1393.8	1146.9	940.0
35°	5267.1	4789.5	4266.6	3712.7	3163.9	2646.1	2182.8	1809.5	1487.8	1212.6	983.5
32.5°	5548.6	5075.2	4542.7	3978.6	3401.2	2833.2	2337.7	1928.2	1576.4	1274.5	1024.6
30°	5795.5	5322.8	4802.0	4229.0	3626.5	3035.0	2497.4	2039.6	1659.3	1332.5	1065.8
27.5°	6021.4	5555.1	5038.9	4455.6	3841.4	3225.3	2646.1	2143.2	1736.5	1391.7	1112.6
25°	6226.3	5755.7	5238.3	4663.1	4040.3	3401.2	2783.6	2240.0	1816.9	1454.4	1155.7
22.5°	6401.4	5935.1	5421.5	4853.4	4222.6	3562.4	2919.2	2353.1	1894.8	1511.7	1195.1
20°	6560.8	6098.1	5587.8	5022.2	4383.4	3712.7	3051.1	2455.2	1965.1	1563.4	1230.6
17.5°	6701.8	6237.2	5724.5	5158.4	4524.1	3846.5	3168.4	2546.0	2027.6	1609.3	1262.1
15°	6817.4	6352.8	5842.1	5277.7	4647.2	3963.5	3270.9	2625.2	2082.1	1649.3	1289.5
12.5°	6916.4	6451.7	5942.6	5379.6	4752.1	4063.2	3358.3	2692.7	2128.5	1683.3	1312.9
10°	6998.3	6533.4	6025.6	5463.6	4838.6	4145.3	3430.1	2748.2	2166.7	1711.3	1332.0
7.5°	7062.6	6597.4	6090.5	5529.3	4906.3	4209.5	3486.3	2791.5	2196.5	1733.1	1347.0
5°	7108.8	6643.4	6137.1	5576.4	4954.8	4255.5	3526.5	2822.6	2217.8	1748.8	1357.7
2.5°	7136.6	6671.1	6165.2	5604.8	4984.0	4283.2	3550.7	2841.3	2230.6	1758.2	1364.2
0°	7145.9	6680.4	6174.6	5614.3	4993.7	4292.4	3558.8	2847.5	2234.9	1761.3	1366.3
-2.5°	7136.6	6671.1	6165.2	5604.8	4984.0	4283.2	3550.7	2841.3	2230.6	1758.2	1364.2
-5°	7108.8	6643.4	6137.1	5576.4	4954.8	4255.5	3526.5	2822.6	2217.8	1748.8	1357.7
-7.5°	7062.6	6597.4	6090.5	5529.3	4906.3	4209.5	3486.3	2791.5	2196.5	1733.1	1347.0
-10°	6998.3	6533.4	6025.6	5463.6	4838.6	4145.3	3430.1	2748.2	2166.7	1711.3	1332.0
-12.5°	6916.4	6451.7	5942.6	5379.6	4752.1	4063.2	3358.3	2692.7	2128.5	1683.3	1312.9
-15°	6817.4	6352.8	5842.1	5277.7	4647.2	3963.5	3270.9	2625.2	2082.1	1649.3	1289.5
-17.5°	6701.8	6237.2	5724.5	5158.4	4524.1	3846.5	3168.4	2546.0	2027.6	1609.3	1262.1
-20°	6560.8	6098.1	5587.8	5022.2	4383.4	3712.7	3051.1	2455.2	1965.1	1563.4	1230.6



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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°	6401.4	5935.1	5421.5	4853.4	4222.6	3562.4	2919.2	2353.1	1894.8	1511.7	1195.1
-25°	6226.3	5755.7	5238.3	4663.1	4040.3	3401.2	2783.6	2240.0	1816.9	1454.4	1155.7
-27.5°	6021.4	5555.1	5038.9	4455.6	3841.4	3225.3	2646.1	2143.2	1736.5	1391.7	1112.6
-30°	5795.5	5322.8	4802.0	4229.0	3626.5	3035.0	2497.4	2039.6	1659.3	1332.5	1065.8
-32.5°	5548.6	5075.2	4542.7	3978.6	3401.2	2833.2	2337.7	1928.2	1576.4	1274.5	1024.6
-35°	5267.1	4789.5	4266.6	3712.7	3163.9	2646.1	2182.8	1809.5	1487.8	1212.6	983.5
-37.5°	4968.6	4477.8	3963.5	3435.9	2913.2	2448.2	2043.5	1696.5	1393.8	1146.9	940.0
-40°	4619.7	4145.3	3645.9	3150.4	2677.2	2240.0	1896.8	1585.8	1309.7	1077.5	894.0
-42.5°	4255.5	3790.2	3322.2	2852.3	2440.0	2070.4	1746.1	1469.8	1227.4	1016.4	845.6
-45°	3862.9	3426.2	2988.8	2584.7	2202.6	1894.8	1612.3	1352.3	1141.4	958.4	797.5
-47.5°	3461.1	3057.6	2672.3	2308.2	2004.6	1720.6	1473.3	1252.6	1052.3	898.0	750.9
-50°	3057.6	2701.6	2366.2	2071.0	1800.0	1563.4	1337.0	1149.2	981.6	835.2	702.6
-52.5°	2672.3	2366.2	2093.2	1844.0	1617.8	1401.2	1219.5	1045.2	908.6	775.7	652.5
-55°	2308.2	2071.0	1844.0	1636.1	1437.4	1262.1	1098.6	961.5	833.3	716.7	600.6
-57.5°	2004.6	1800.0	1617.8	1437.4	1276.3	1126.9	993.5	875.6	763.0	656.0	544.9
-60°	1720.6	1563.4	1401.2	1262.1	1126.9	1004.2	896.9	791.0	693.0	593.1	487.7
-62.5°	1473.3	1337.0	1219.5	1098.6	993.5	896.9	800.3	711.7	621.5	526.3	429.2
-65°	1252.6	1149.2	1045.2	961.5	875.6	791.0	711.7	630.8	545.7	458.2	371.0
-67.5°	1052.3	981.6	908.6	833.3	763.0	693.0	621.5	545.7	467.8	388.7	315.7
-70°	898.0	835.2	775.7	716.7	656.0	593.1	526.3	458.2	388.7	324.5	259.5
-72.5°	750.9	702.6	652.5	600.6	544.9	487.7	429.2	371.0	315.7	259.5	202.4
-75°	612.5	569.4	524.5	478.1	430.3	381.8	336.1	289.5	242.0	193.7	158.0
-77.5°	466.7	430.6	393.2	357.5	321.3	284.2	246.1	207.2	173.8	146.0	117.9
-80°	326.0	299.8	272.6	244.6	215.6	186.4	165.4	144.0	122.2	100.0	77.4
-82.5°	192.1	177.1	163.2	148.7	133.8	118.5	102.8	86.7	70.3	53.6	45.3
-85°	98.4	89.4	80.1	70.4	60.5	50.4	46.5	42.6	38.5	34.4	30.3
-87.5°	34.0	32.4	30.7	28.9	27.1	25.2	23.3	21.3	19.3	17.2	15.2
-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: P645516 (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°	13.0	10.9	8.7	6.6	4.4	2.2	0.0
85°	26.1	21.8	17.5	13.1	8.8	4.4	0.0
82.5°	39.0	32.6	26.2	19.7	13.1	6.6	0.0
80°	54.6	43.4	34.8	26.2	17.5	8.7	0.0
77.5°	89.4	60.5	43.4	32.6	21.8	10.9	0.0
75°	123.9	89.4	54.6	39.0	26.1	13.0	0.0
72.5°	158.0	117.9	77.4	45.3	30.3	15.2	0.0
70°	193.7	146.0	100.0	53.6	34.4	17.2	0.0
67.5°	242.0	173.8	122.2	70.3	38.5	19.3	0.0
65°	289.5	207.2	144.0	86.7	42.6	21.3	0.0
62.5°	336.1	246.1	165.4	102.8	46.5	23.3	0.0
60°	381.8	284.2	186.4	118.5	50.4	25.2	0.0
57.5°	430.3	321.3	215.6	133.8	60.5	27.1	0.0
55°	478.1	357.5	244.6	148.7	70.4	28.9	0.0
52.5°	524.5	393.2	272.6	163.2	80.1	30.7	0.0
50°	569.4	430.6	299.8	177.1	89.4	32.4	0.0
47.5°	612.5	466.7	326.0	192.1	98.4	34.0	0.0
45°	652.3	501.5	351.2	211.0	107.0	35.6	0.0
42.5°	690.5	534.7	375.4	229.1	115.3	37.2	0.0
40°	727.0	566.5	399.6	246.3	123.2	38.6	0.0
37.5°	761.6	596.7	423.7	262.7	130.7	40.0	0.0
35°	794.4	624.4	446.5	278.2	137.8	41.3	0.0
32.5°	826.5	650.0	467.9	292.8	144.4	42.5	0.0
30°	859.2	674.0	487.9	306.3	150.6	43.6	0.0
27.5°	889.6	696.2	506.5	319.0	156.4	44.7	0.0
25°	917.6	716.6	523.5	330.5	161.7	45.7	0.0
22.5°	943.1	735.3	539.1	341.1	166.5	46.6	0.0
20°	966.1	752.1	553.1	350.6	170.8	47.4	0.0
17.5°	986.5	767.0	565.5	359.1	174.7	48.1	0.0
15°	1004.2	779.9	576.4	366.4	178.0	48.7	0.0
12.5°	1019.3	791.0	585.6	372.6	180.9	49.2	0.0
10°	1031.7	800.0	593.1	377.8	183.2	49.6	0.0
7.5°	1041.4	807.1	599.0	381.8	185.1	50.0	0.0
5°	1048.3	812.1	603.2	384.6	186.4	50.2	0.0
2.5°	1052.5	815.2	605.8	386.3	187.1	50.4	0.0
0°	1053.9	816.2	606.6	386.9	187.4	50.4	0.0
-2.5°	1052.5	815.2	605.8	386.3	187.1	50.4	0.0
-5°	1048.3	812.1	603.2	384.6	186.4	50.2	0.0
-7.5°	1041.4	807.1	599.0	381.8	185.1	50.0	0.0
-10°	1031.7	800.0	593.1	377.8	183.2	49.6	0.0
-12.5°	1019.3	791.0	585.6	372.6	180.9	49.2	0.0
-15°	1004.2	779.9	576.4	366.4	178.0	48.7	0.0
-17.5°	986.5	767.0	565.5	359.1	174.7	48.1	0.0
-20°	966.1	752.1	553.1	350.6	170.8	47.4	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645516 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	943.1	735.3	539.1	341.1	166.5	46.6	0.0
-25°	917.6	716.6	523.5	330.5	161.7	45.7	0.0
-27.5°	889.6	696.2	506.5	319.0	156.4	44.7	0.0
-30°	859.2	674.0	487.9	306.3	150.6	43.6	0.0
-32.5°	826.5	650.0	467.9	292.8	144.4	42.5	0.0
-35°	794.4	624.4	446.5	278.2	137.8	41.3	0.0
-37.5°	761.6	596.7	423.7	262.7	130.7	40.0	0.0
-40°	727.0	566.5	399.6	246.3	123.2	38.6	0.0
-42.5°	690.5	534.7	375.4	229.1	115.3	37.2	0.0
-45°	652.3	501.5	351.2	211.0	107.0	35.6	0.0
-47.5°	612.5	466.7	326.0	192.1	98.4	34.0	0.0
-50°	569.4	430.6	299.8	177.1	89.4	32.4	0.0
-52.5°	524.5	393.2	272.6	163.2	80.1	30.7	0.0
-55°	478.1	357.5	244.6	148.7	70.4	28.9	0.0
-57.5°	430.3	321.3	215.6	133.8	60.5	27.1	0.0
-60°	381.8	284.2	186.4	118.5	50.4	25.2	0.0
-62.5°	336.1	246.1	165.4	102.8	46.5	23.3	0.0
-65°	289.5	207.2	144.0	86.7	42.6	21.3	0.0
-67.5°	242.0	173.8	122.2	70.3	38.5	19.3	0.0
-70°	193.7	146.0	100.0	53.6	34.4	17.2	0.0
-72.5°	158.0	117.9	77.4	45.3	30.3	15.2	0.0
-75°	123.9	89.4	54.6	39.0	26.1	13.0	0.0
-77.5°	89.4	60.5	43.4	32.6	21.8	10.9	0.0
-80°	54.6	43.4	34.8	26.2	17.5	8.7	0.0
-82.5°	39.0	32.6	26.2	19.7	13.1	6.6	0.0
-85°	26.1	21.8	17.5	13.1	8.8	4.4	0.0
-87.5°	13.0	10.9	8.7	6.6	4.4	2.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)