

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: P645436 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3D-740-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645436 (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-SA3D-740-U-LAM-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

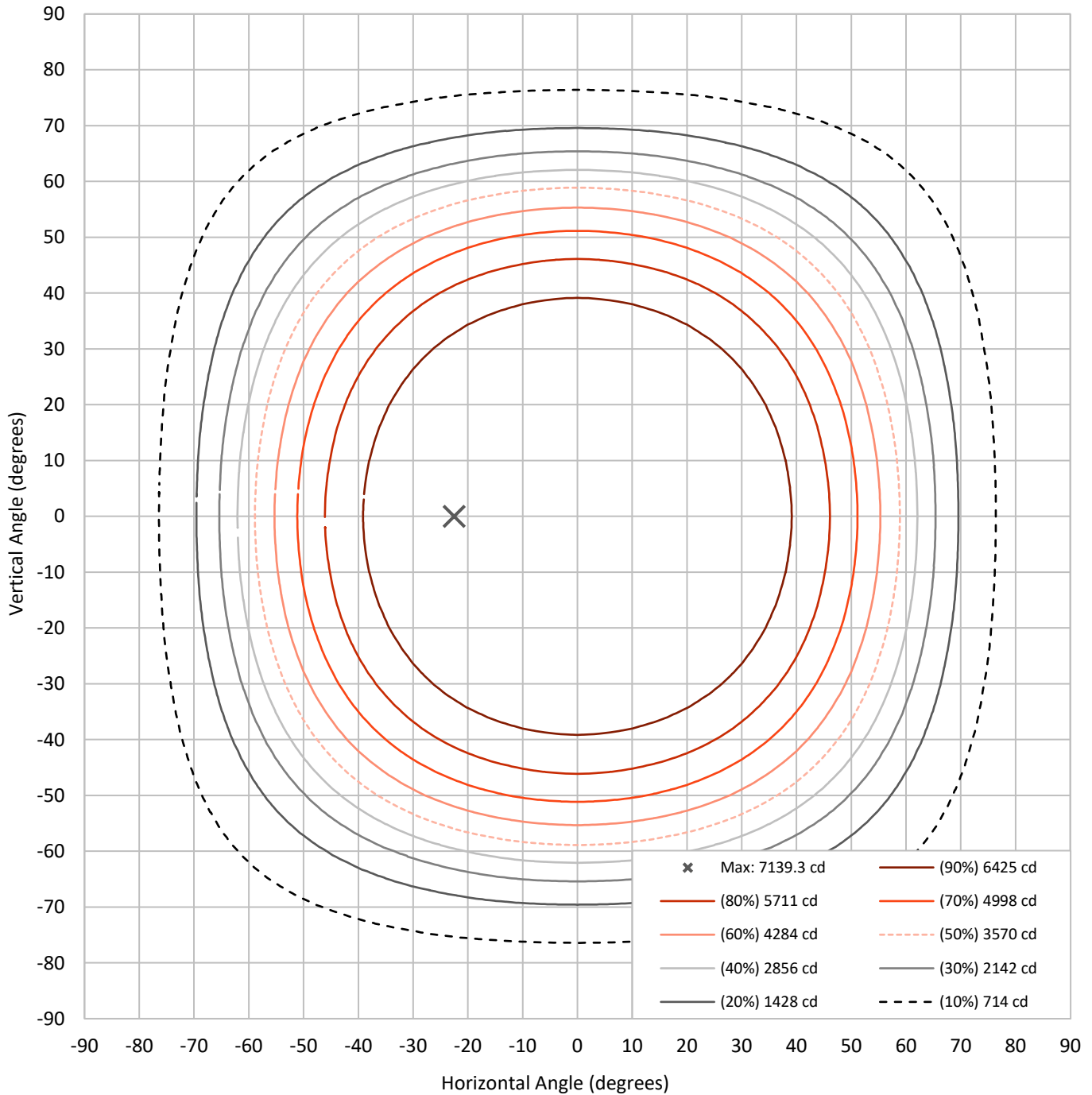
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	21839.6 lumens	Max Intensity:	7139.3 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	136.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	18175.3 lumens	Field Lumens:	21410.1 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
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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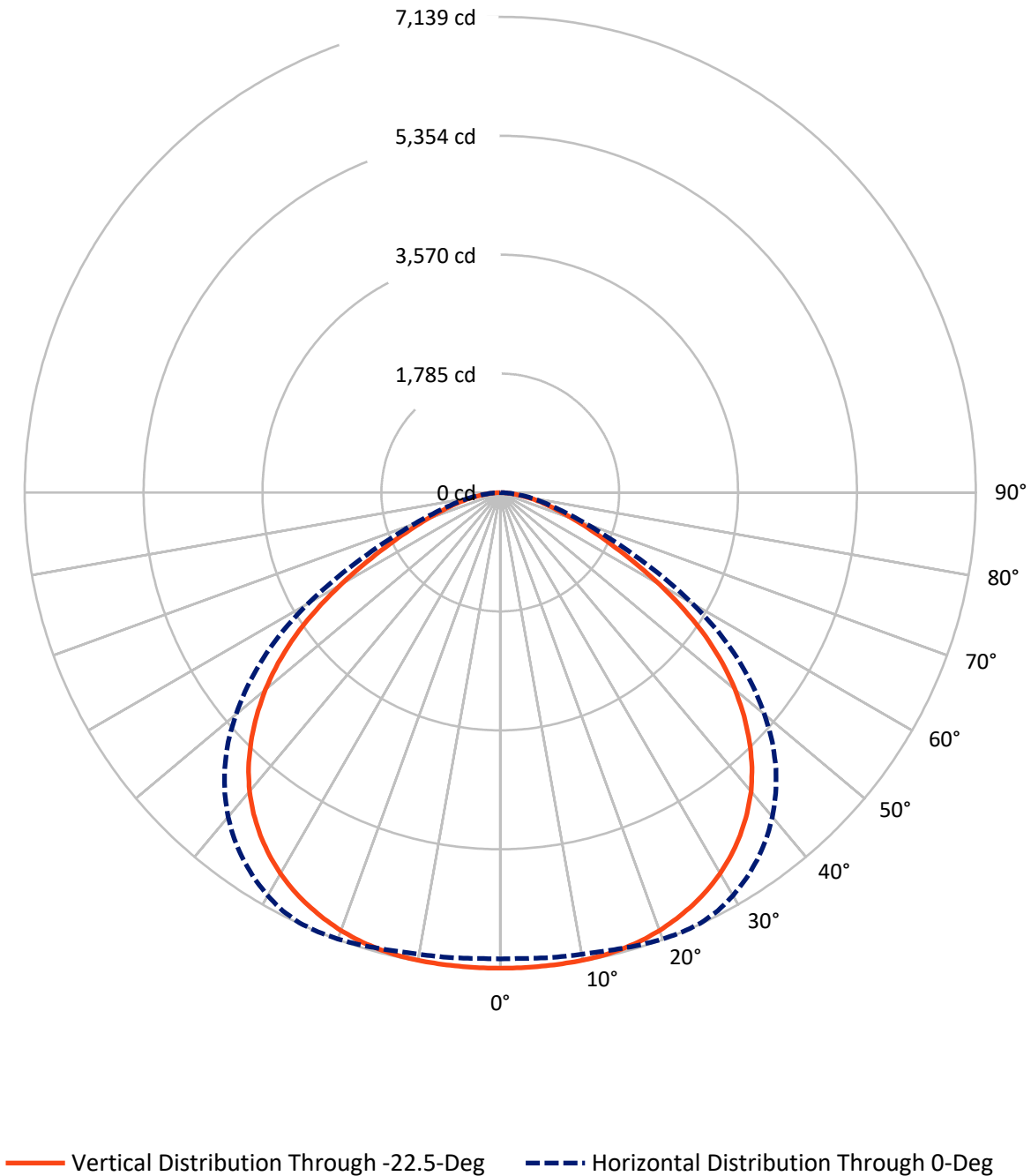
### Iso-Candela Plot





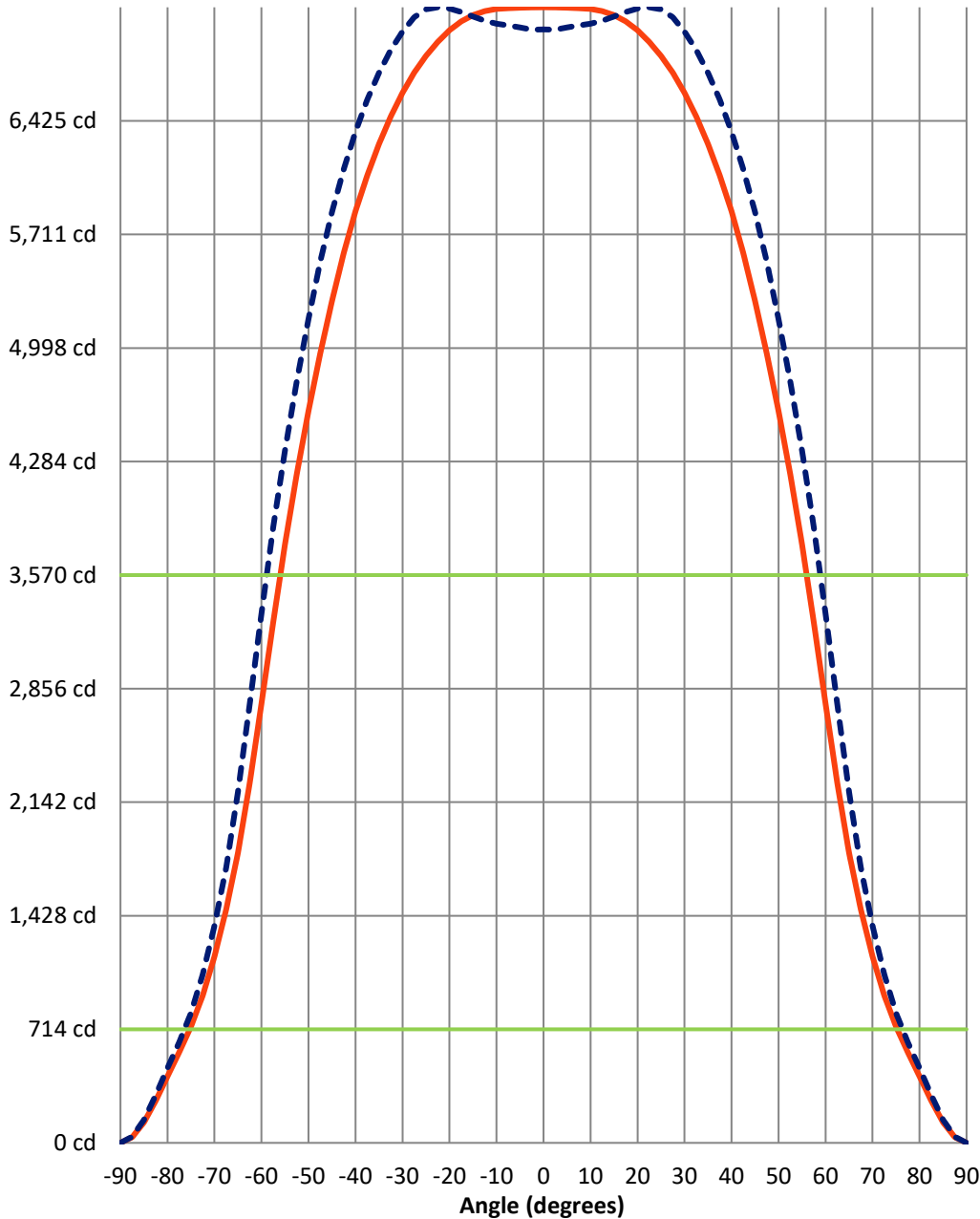
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 18175.3  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 21410.1  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 429.5  
 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	1.7	3.4	5.1	6.8	8.5	10.1	11.8	13.4	15.0	16.5
85°	0.0	3.4	6.8	10.2	13.6	16.9	20.2	23.5	26.7	29.9	33.0
82.5°	0.0	5.1	10.2	15.3	20.3	25.3	30.3	35.2	41.6	54.5	67.2
80°	0.0	6.8	13.6	20.3	27.0	33.7	42.3	60.1	77.5	94.8	111.7
77.5°	0.0	8.5	16.9	25.3	33.7	47.0	69.3	91.4	113.2	134.7	160.7
75°	0.0	10.1	20.2	30.3	42.3	69.3	96.1	122.5	150.2	187.6	224.4
72.5°	0.0	11.8	23.5	35.2	60.1	91.4	122.5	156.9	201.2	244.7	287.6
70°	0.0	13.4	26.7	41.6	77.5	113.2	150.2	201.2	251.5	301.3	355.1
67.5°	0.0	15.0	29.9	54.5	94.8	134.7	187.6	244.7	301.3	362.6	423.0
65°	0.0	16.5	33.0	67.2	111.7	160.7	224.4	287.6	355.1	423.0	489.0
62.5°	0.0	18.0	36.1	79.7	128.3	190.8	260.6	332.7	408.0	481.8	551.7
60°	0.0	19.5	39.1	91.9	144.5	220.3	295.9	378.1	459.7	537.2	613.1
57.5°	0.0	21.0	46.9	103.7	167.2	249.1	333.5	422.4	508.5	591.5	678.8
55°	0.0	22.4	54.6	115.3	189.6	277.1	370.6	465.6	555.6	645.9	745.4
52.5°	0.0	23.8	62.1	126.5	211.4	304.8	406.5	505.8	601.3	704.3	810.2
50°	0.0	25.1	69.3	137.3	232.4	333.8	441.4	544.6	647.4	761.0	890.9
47.5°	0.0	26.4	76.3	149.0	252.7	361.8	474.8	582.1	696.1	815.8	971.0
45°	0.0	27.6	83.0	163.6	272.3	388.7	505.6	618.2	742.9	884.8	1048.3
42.5°	0.0	28.8	89.4	177.6	291.0	414.5	535.2	655.5	787.9	951.5	1139.4
40°	0.0	29.9	95.5	191.0	309.7	439.1	563.5	693.0	835.3	1015.3	1229.4
37.5°	0.0	31.0	101.3	203.7	328.4	462.5	590.4	728.7	889.1	1080.5	1315.2
35°	0.0	32.0	106.8	215.7	346.1	484.0	615.8	762.5	940.1	1153.4	1402.8
32.5°	0.0	33.0	112.0	226.9	362.7	503.9	640.7	794.2	988.1	1222.0	1494.8
30°	0.0	33.9	116.8	237.5	378.2	522.4	666.1	826.2	1033.0	1286.4	1581.1
27.5°	0.0	34.7	121.2	247.2	392.6	539.7	689.6	862.5	1078.9	1346.2	1661.4
25°	0.0	35.4	125.4	256.2	405.8	555.5	711.3	896.0	1127.5	1408.5	1736.5
22.5°	0.0	36.1	129.1	264.4	417.9	570.0	731.1	926.5	1171.9	1468.9	1824.1
20°	0.0	36.7	132.5	271.8	428.7	583.0	748.9	954.0	1212.0	1523.4	1903.3
17.5°	0.0	37.3	135.4	278.3	438.4	594.5	764.7	978.4	1247.5	1571.8	1973.7
15°	0.0	37.8	138.0	284.0	446.8	604.6	778.5	999.7	1278.6	1614.1	2035.1
12.5°	0.0	38.2	140.3	288.8	453.9	613.1	790.2	1017.8	1304.9	1650.1	2087.4
10°	0.0	38.5	142.1	292.8	459.7	620.2	799.8	1032.6	1326.6	1679.6	2130.4
7.5°	0.0	38.8	143.5	295.9	464.3	625.6	807.3	1044.2	1343.6	1702.7	2164.0
5°	0.0	39.0	144.5	298.1	467.6	629.6	812.7	1052.5	1355.7	1719.2	2188.1
2.5°	0.0	39.1	145.1	299.5	469.5	631.9	815.9	1057.5	1363.0	1729.2	2202.6
0°	0.0	39.1	145.3	299.9	470.2	632.7	817.0	1059.2	1365.4	1732.5	2207.4
-2.5°	0.0	39.1	145.1	299.5	469.5	631.9	815.9	1057.5	1363.0	1729.2	2202.6
-5°	0.0	39.0	144.5	298.1	467.6	629.6	812.7	1052.5	1355.7	1719.2	2188.1
-7.5°	0.0	38.8	143.5	295.9	464.3	625.6	807.3	1044.2	1343.6	1702.7	2164.0
-10°	0.0	38.5	142.1	292.8	459.7	620.2	799.8	1032.6	1326.6	1679.6	2130.4
-12.5°	0.0	38.2	140.3	288.8	453.9	613.1	790.2	1017.8	1304.9	1650.1	2087.4
-15°	0.0	37.8	138.0	284.0	446.8	604.6	778.5	999.7	1278.6	1614.1	2035.1
-17.5°	0.0	37.3	135.4	278.3	438.4	594.5	764.7	978.4	1247.5	1571.8	1973.7
-20°	0.0	36.7	132.5	271.8	428.7	583.0	748.9	954.0	1212.0	1523.4	1903.3

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CATALOG NUMBER: GFLD-SA3D-740-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	36.1	129.1	264.4	417.9	570.0	731.1	926.5	1171.9	1468.9	1824.1
-25°	0.0	35.4	125.4	256.2	405.8	555.5	711.3	896.0	1127.5	1408.5	1736.5
-27.5°	0.0	34.7	121.2	247.2	392.6	539.7	689.6	862.5	1078.9	1346.2	1661.4
-30°	0.0	33.9	116.8	237.5	378.2	522.4	666.1	826.2	1033.0	1286.4	1581.1
-32.5°	0.0	33.0	112.0	226.9	362.7	503.9	640.7	794.2	988.1	1222.0	1494.8
-35°	0.0	32.0	106.8	215.7	346.1	484.0	615.8	762.5	940.1	1153.4	1402.8
-37.5°	0.0	31.0	101.3	203.7	328.4	462.5	590.4	728.7	889.1	1080.5	1315.2
-40°	0.0	29.9	95.5	191.0	309.7	439.1	563.5	693.0	835.3	1015.3	1229.4
-42.5°	0.0	28.8	89.4	177.6	291.0	414.5	535.2	655.5	787.9	951.5	1139.4
-45°	0.0	27.6	83.0	163.6	272.3	388.7	505.6	618.2	742.9	884.8	1048.3
-47.5°	0.0	26.4	76.3	149.0	252.7	361.8	474.8	582.1	696.1	815.8	971.0
-50°	0.0	25.1	69.3	137.3	232.4	333.8	441.4	544.6	647.4	761.0	890.9
-52.5°	0.0	23.8	62.1	126.5	211.4	304.8	406.5	505.8	601.3	704.3	810.2
-55°	0.0	22.4	54.6	115.3	189.6	277.1	370.6	465.6	555.6	645.9	745.4
-57.5°	0.0	21.0	46.9	103.7	167.2	249.1	333.5	422.4	508.5	591.5	678.8
-60°	0.0	19.5	39.1	91.9	144.5	220.3	295.9	378.1	459.7	537.2	613.1
-62.5°	0.0	18.0	36.1	79.7	128.3	190.8	260.6	332.7	408.0	481.8	551.7
-65°	0.0	16.5	33.0	67.2	111.7	160.7	224.4	287.6	355.1	423.0	489.0
-67.5°	0.0	15.0	29.9	54.5	94.8	134.7	187.6	244.7	301.3	362.6	423.0
-70°	0.0	13.4	26.7	41.6	77.5	113.2	150.2	201.2	251.5	301.3	355.1
-72.5°	0.0	11.8	23.5	35.2	60.1	91.4	122.5	156.9	201.2	244.7	287.6
-75°	0.0	10.1	20.2	30.3	42.3	69.3	96.1	122.5	150.2	187.6	224.4
-77.5°	0.0	8.5	16.9	25.3	33.7	47.0	69.3	91.4	113.2	134.7	160.7
-80°	0.0	6.8	13.6	20.3	27.0	33.7	42.3	60.1	77.5	94.8	111.7
-82.5°	0.0	5.1	10.2	15.3	20.3	25.3	30.3	35.2	41.6	54.5	67.2
-85°	0.0	3.4	6.8	10.2	13.6	16.9	20.2	23.5	26.7	29.9	33.0
-87.5°	0.0	1.7	3.4	5.1	6.8	8.5	10.1	11.8	13.4	15.0	16.5
-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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 CATALOG NUMBER: GFLD-SA3D-740-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°	18.0	19.5	21.0	22.4	23.8	25.1	26.4	27.6	28.8	29.9	31.0
85°	36.1	39.1	46.9	54.6	62.1	69.3	76.3	83.0	89.4	95.5	101.3
82.5°	79.7	91.9	103.7	115.3	126.5	137.3	149.0	163.6	177.6	191.0	203.7
80°	128.3	144.5	167.2	189.6	211.4	232.4	252.7	272.3	291.0	309.7	328.4
77.5°	190.8	220.3	249.1	277.1	304.8	333.8	361.8	388.7	414.5	439.1	462.5
75°	260.6	295.9	333.5	370.6	406.5	441.4	474.8	505.6	535.2	563.5	590.4
72.5°	332.7	378.1	422.4	465.6	505.8	544.6	582.1	618.2	655.5	693.0	728.7
70°	408.0	459.7	508.5	555.6	601.3	647.4	696.1	742.9	787.9	835.3	889.1
67.5°	481.8	537.2	591.5	645.9	704.3	761.0	815.8	884.8	951.5	1015.3	1080.5
65°	551.7	613.1	678.8	745.4	810.2	890.9	971.0	1048.3	1139.4	1229.4	1315.2
62.5°	620.4	695.3	770.2	851.7	945.4	1036.5	1142.1	1249.9	1353.6	1470.4	1584.1
60°	695.3	778.5	873.6	978.4	1086.3	1212.0	1333.9	1468.9	1605.0	1736.5	1897.9
57.5°	770.2	873.6	989.4	1114.3	1254.2	1395.4	1554.0	1707.4	1891.5	2075.4	2258.4
55°	851.7	978.4	1114.3	1268.3	1429.5	1605.4	1789.3	2003.7	2211.1	2442.3	2663.6
52.5°	945.4	1086.3	1254.2	1429.5	1622.7	1834.3	2071.5	2317.0	2575.4	2826.4	3072.6
50°	1036.5	1212.0	1395.4	1605.4	1834.3	2094.3	2370.3	2656.1	2938.3	3213.5	3471.3
47.5°	1142.1	1333.9	1554.0	1789.3	2071.5	2370.3	2683.1	2994.6	3298.9	3581.3	3851.7
45°	1249.9	1468.9	1707.4	2003.7	2317.0	2656.1	2994.6	3327.5	3636.7	3928.5	4183.7
42.5°	1353.6	1605.0	1891.5	2211.1	2575.4	2938.3	3298.9	3636.7	3953.5	4234.4	4490.8
40°	1470.4	1736.5	2075.4	2442.3	2826.4	3213.5	3581.3	3928.5	4234.4	4514.2	4773.8
37.5°	1584.1	1897.9	2258.4	2663.6	3072.6	3471.3	3851.7	4183.7	4490.8	4773.8	5022.9
35°	1692.1	2051.3	2452.7	2878.2	3307.5	3712.9	4083.1	4421.1	4726.3	5000.9	5255.5
32.5°	1812.2	2196.3	2636.7	3084.3	3521.5	3934.4	4301.4	4632.0	4935.4	5214.3	5467.2
30°	1936.0	2352.8	2811.4	3278.4	3722.6	4126.3	4492.8	4827.6	5128.5	5404.0	5651.9
27.5°	2051.3	2500.3	2977.9	3454.0	3906.3	4306.4	4667.9	4997.5	5300.2	5577.6	5817.8
25°	2157.8	2636.7	3132.1	3614.9	4060.8	4461.9	4826.7	5156.1	5457.1	5723.3	5956.8
22.5°	2263.0	2761.7	3273.4	3762.4	4202.9	4600.9	4962.4	5292.7	5593.8	5857.6	6081.6
20°	2365.2	2878.2	3398.1	3893.3	4331.7	4727.3	5086.0	5415.6	5708.8	5964.1	6187.1
17.5°	2456.2	2981.9	3507.1	3998.9	4437.7	4835.1	5195.3	5526.0	5812.2	6060.2	6278.2
15°	2535.7	3072.6	3602.5	4091.4	4528.9	4924.7	5284.9	5612.0	5896.2	6142.2	6358.7
12.5°	2603.4	3149.9	3683.9	4170.3	4606.8	5001.4	5361.7	5684.3	5963.7	6206.4	6418.3
10°	2659.1	3213.5	3751.0	4235.4	4671.1	5064.7	5425.2	5744.1	6019.6	6259.8	6467.9
7.5°	2702.7	3263.2	3803.4	4286.4	4721.4	5114.4	5475.0	5791.1	6063.6	6301.9	6507.1
5°	2733.9	3298.9	3841.0	4322.9	4757.6	5150.0	5510.8	5824.9	6095.3	6332.2	6535.4
2.5°	2752.6	3320.3	3863.6	4345.0	4779.3	5171.5	5532.4	5845.3	6114.4	6350.6	6552.5
0°	2758.9	3327.5	3871.2	4352.3	4786.6	5178.7	5539.6	5852.1	6120.8	6356.7	6558.2
-2.5°	2752.6	3320.3	3863.6	4345.0	4779.3	5171.5	5532.4	5845.3	6114.4	6350.6	6552.5
-5°	2733.9	3298.9	3841.0	4322.9	4757.6	5150.0	5510.8	5824.9	6095.3	6332.2	6535.4
-7.5°	2702.7	3263.2	3803.4	4286.4	4721.4	5114.4	5475.0	5791.1	6063.6	6301.9	6507.1
-10°	2659.1	3213.5	3751.0	4235.4	4671.1	5064.7	5425.2	5744.1	6019.6	6259.8	6467.9
-12.5°	2603.4	3149.9	3683.9	4170.3	4606.8	5001.4	5361.7	5684.3	5963.7	6206.4	6418.3
-15°	2535.7	3072.6	3602.5	4091.4	4528.9	4924.7	5284.9	5612.0	5896.2	6142.2	6358.7
-17.5°	2456.2	2981.9	3507.1	3998.9	4437.7	4835.1	5195.3	5526.0	5812.2	6060.2	6278.2
-20°	2365.2	2878.2	3398.1	3893.3	4331.7	4727.3	5086.0	5415.6	5708.8	5964.1	6187.1



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 CATALOG NUMBER: GFLD-SA3D-740-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°	2263.0	2761.7	3273.4	3762.4	4202.9	4600.9	4962.4	5292.7	5593.8	5857.6	6081.6
-25°	2157.8	2636.7	3132.1	3614.9	4060.8	4461.9	4826.7	5156.1	5457.1	5723.3	5956.8
-27.5°	2051.3	2500.3	2977.9	3454.0	3906.3	4306.4	4667.9	4997.5	5300.2	5577.6	5817.8
-30°	1936.0	2352.8	2811.4	3278.4	3722.6	4126.3	4492.8	4827.6	5128.5	5404.0	5651.9
-32.5°	1812.2	2196.3	2636.7	3084.3	3521.5	3934.4	4301.4	4632.0	4935.4	5214.3	5467.2
-35°	1692.1	2051.3	2452.7	2878.2	3307.5	3712.9	4083.1	4421.1	4726.3	5000.9	5255.5
-37.5°	1584.1	1897.9	2258.4	2663.6	3072.6	3471.3	3851.7	4183.7	4490.8	4773.8	5022.9
-40°	1470.4	1736.5	2075.4	2442.3	2826.4	3213.5	3581.3	3928.5	4234.4	4514.2	4773.8
-42.5°	1353.6	1605.0	1891.5	2211.1	2575.4	2938.3	3298.9	3636.7	3953.5	4234.4	4490.8
-45°	1249.9	1468.9	1707.4	2003.7	2317.0	2656.1	2994.6	3327.5	3636.7	3928.5	4183.7
-47.5°	1142.1	1333.9	1554.0	1789.3	2071.5	2370.3	2683.1	2994.6	3298.9	3581.3	3851.7
-50°	1036.5	1212.0	1395.4	1605.4	1834.3	2094.3	2370.3	2656.1	2938.3	3213.5	3471.3
-52.5°	945.4	1086.3	1254.2	1429.5	1622.7	1834.3	2071.5	2317.0	2575.4	2826.4	3072.6
-55°	851.7	978.4	1114.3	1268.3	1429.5	1605.4	1789.3	2003.7	2211.1	2442.3	2663.6
-57.5°	770.2	873.6	989.4	1114.3	1254.2	1395.4	1554.0	1707.4	1891.5	2075.4	2258.4
-60°	695.3	778.5	873.6	978.4	1086.3	1212.0	1333.9	1468.9	1605.0	1736.5	1897.9
-62.5°	620.4	695.3	770.2	851.7	945.4	1036.5	1142.1	1249.9	1353.6	1470.4	1584.1
-65°	551.7	613.1	678.8	745.4	810.2	890.9	971.0	1048.3	1139.4	1229.4	1315.2
-67.5°	481.8	537.2	591.5	645.9	704.3	761.0	815.8	884.8	951.5	1015.3	1080.5
-70°	408.0	459.7	508.5	555.6	601.3	647.4	696.1	742.9	787.9	835.3	889.1
-72.5°	332.7	378.1	422.4	465.6	505.8	544.6	582.1	618.2	655.5	693.0	728.7
-75°	260.6	295.9	333.5	370.6	406.5	441.4	474.8	505.6	535.2	563.5	590.4
-77.5°	190.8	220.3	249.1	277.1	304.8	333.8	361.8	388.7	414.5	439.1	462.5
-80°	128.3	144.5	167.2	189.6	211.4	232.4	252.7	272.3	291.0	309.7	328.4
-82.5°	79.7	91.9	103.7	115.3	126.5	137.3	149.0	163.6	177.6	191.0	203.7
-85°	36.1	39.1	46.9	54.6	62.1	69.3	76.3	83.0	89.4	95.5	101.3
-87.5°	18.0	19.5	21.0	22.4	23.8	25.1	26.4	27.6	28.8	29.9	31.0
-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: P645436 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-740-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°	32.0	33.0	33.9	34.7	35.4	36.1	36.7	37.3	37.8	38.2	38.5
85°	106.8	112.0	116.8	121.2	125.4	129.1	132.5	135.4	138.0	140.3	142.1
82.5°	215.7	226.9	237.5	247.2	256.2	264.4	271.8	278.3	284.0	288.8	292.8
80°	346.1	362.7	378.2	392.6	405.8	417.9	428.7	438.4	446.8	453.9	459.7
77.5°	484.0	503.9	522.4	539.7	555.5	570.0	583.0	594.5	604.6	613.1	620.2
75°	615.8	640.7	666.1	689.6	711.3	731.1	748.9	764.7	778.5	790.2	799.8
72.5°	762.5	794.2	826.2	862.5	896.0	926.5	954.0	978.4	999.7	1017.8	1032.6
70°	940.1	988.1	1033.0	1078.9	1127.5	1171.9	1212.0	1247.5	1278.6	1304.9	1326.6
67.5°	1153.4	1222.0	1286.4	1346.2	1408.5	1468.9	1523.4	1571.8	1614.1	1650.1	1679.6
65°	1402.8	1494.8	1581.1	1661.4	1736.5	1824.1	1903.3	1973.7	2035.1	2087.4	2130.4
62.5°	1692.1	1812.2	1936.0	2051.3	2157.8	2263.0	2365.2	2456.2	2535.7	2603.4	2659.1
60°	2051.3	2196.3	2352.8	2500.3	2636.7	2761.7	2878.2	2981.9	3072.6	3149.9	3213.5
57.5°	2452.7	2636.7	2811.4	2977.9	3132.1	3273.4	3398.1	3507.1	3602.5	3683.9	3751.0
55°	2878.2	3084.3	3278.4	3454.0	3614.9	3762.4	3893.3	3998.9	4091.4	4170.3	4235.4
52.5°	3307.5	3521.5	3722.6	3906.3	4060.8	4202.9	4331.7	4437.7	4528.9	4606.8	4671.1
50°	3712.9	3934.4	4126.3	4306.4	4461.9	4600.9	4727.3	4835.1	4924.7	5001.4	5064.7
47.5°	4083.1	4301.4	4492.8	4667.9	4826.7	4962.4	5086.0	5195.3	5284.9	5361.7	5425.2
45°	4421.1	4632.0	4827.6	4997.5	5156.1	5292.7	5415.6	5526.0	5612.0	5684.3	5744.1
42.5°	4726.3	4935.4	5128.5	5300.2	5457.1	5593.8	5708.8	5812.2	5896.2	5963.7	6019.6
40°	5000.9	5214.3	5404.0	5577.6	5723.3	5857.6	5964.1	6060.2	6142.2	6206.4	6259.8
37.5°	5255.5	5467.2	5651.9	5817.8	5956.8	6081.6	6187.1	6278.2	6358.7	6418.3	6467.9
35°	5488.4	5689.4	5872.2	6024.3	6162.0	6279.6	6383.4	6467.5	6542.2	6599.0	6644.3
32.5°	5689.4	5888.8	6058.4	6208.2	6342.7	6452.3	6551.9	6628.9	6696.7	6751.4	6793.5
30°	5872.2	6058.4	6223.7	6372.0	6494.5	6601.4	6691.0	6766.2	6828.9	6881.0	6918.0
27.5°	6024.3	6208.2	6372.0	6508.7	6626.0	6728.8	6810.9	6883.3	6938.0	6986.0	7017.8
25°	6162.0	6342.7	6494.5	6626.0	6739.8	6833.7	6911.8	6977.4	7025.9	7067.0	7090.7
22.5°	6279.6	6452.3	6601.4	6728.8	6833.7	6921.5	6995.1	7050.6	7090.3	7115.2	7129.2
20°	6383.4	6551.9	6691.0	6810.9	6911.8	6995.1	7059.0	7100.1	7127.7	7134.6	7138.6
17.5°	6467.5	6628.9	6766.2	6883.3	6977.4	7050.6	7100.1	7129.0	7137.3	7135.8	7131.7
15°	6542.2	6696.7	6828.9	6938.0	7025.9	7090.3	7127.7	7137.3	7134.9	7126.5	7113.7
12.5°	6599.0	6751.4	6881.0	6986.0	7067.0	7115.2	7134.6	7135.8	7126.5	7110.5	7092.3
10°	6644.3	6793.5	6918.0	7017.8	7090.7	7129.2	7138.6	7131.7	7113.7	7092.3	7072.0
7.5°	6680.1	6826.8	6947.4	7043.2	7106.2	7133.5	7135.6	7122.7	7101.0	7076.7	7054.8
5°	6706.0	6851.0	6968.8	7061.7	7117.5	7136.7	7133.3	7115.5	7090.4	7065.1	7045.0
2.5°	6721.6	6865.7	6981.8	7073.0	7124.5	7138.6	7132.0	7111.1	7083.8	7057.6	7038.5
0°	6726.9	6870.6	6986.2	7076.8	7126.8	7139.3	7131.5	7109.6	7081.5	7055.0	7036.2
-2.5°	6721.6	6865.7	6981.8	7073.0	7124.5	7138.6	7132.0	7111.1	7083.8	7057.6	7038.5
-5°	6706.0	6851.0	6968.8	7061.7	7117.5	7136.7	7133.3	7115.5	7090.4	7065.1	7045.0
-7.5°	6680.1	6826.8	6947.4	7043.2	7106.2	7133.5	7135.6	7122.7	7101.0	7076.7	7054.8
-10°	6644.3	6793.5	6918.0	7017.8	7090.7	7129.2	7138.6	7131.7	7113.7	7092.3	7072.0
-12.5°	6599.0	6751.4	6881.0	6986.0	7067.0	7115.2	7134.6	7135.8	7126.5	7110.5	7092.3
-15°	6542.2	6696.7	6828.9	6938.0	7025.9	7090.3	7127.7	7137.3	7134.9	7126.5	7113.7
-17.5°	6467.5	6628.9	6766.2	6883.3	6977.4	7050.6	7100.1	7129.0	7137.3	7135.8	7131.7
-20°	6383.4	6551.9	6691.0	6810.9	6911.8	6995.1	7059.0	7100.1	7127.7	7134.6	7138.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645436 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-740-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6279.6	6452.3	6601.4	6728.8	6833.7	6921.5	6995.1	7050.6	7090.3	7115.2	7129.2
-25°	6162.0	6342.7	6494.5	6626.0	6739.8	6833.7	6911.8	6977.4	7025.9	7067.0	7090.7
-27.5°	6024.3	6208.2	6372.0	6508.7	6626.0	6728.8	6810.9	6883.3	6938.0	6986.0	7017.8
-30°	5872.2	6058.4	6223.7	6372.0	6494.5	6601.4	6691.0	6766.2	6828.9	6881.0	6918.0
-32.5°	5689.4	5888.8	6058.4	6208.2	6342.7	6452.3	6551.9	6628.9	6696.7	6751.4	6793.5
-35°	5488.4	5689.4	5872.2	6024.3	6162.0	6279.6	6383.4	6467.5	6542.2	6599.0	6644.3
-37.5°	5255.5	5467.2	5651.9	5817.8	5956.8	6081.6	6187.1	6278.2	6358.7	6418.3	6467.9
-40°	5000.9	5214.3	5404.0	5577.6	5723.3	5857.6	5964.1	6060.2	6142.2	6206.4	6259.8
-42.5°	4726.3	4935.4	5128.5	5300.2	5457.1	5593.8	5708.8	5812.2	5896.2	5963.7	6019.6
-45°	4421.1	4632.0	4827.6	4997.5	5156.1	5292.7	5415.6	5526.0	5612.0	5684.3	5744.1
-47.5°	4083.1	4301.4	4492.8	4667.9	4826.7	4962.4	5086.0	5195.3	5284.9	5361.7	5425.2
-50°	3712.9	3934.4	4126.3	4306.4	4461.9	4600.9	4727.3	4835.1	4924.7	5001.4	5064.7
-52.5°	3307.5	3521.5	3722.6	3906.3	4060.8	4202.9	4331.7	4437.7	4528.9	4606.8	4671.1
-55°	2878.2	3084.3	3278.4	3454.0	3614.9	3762.4	3893.3	3998.9	4091.4	4170.3	4235.4
-57.5°	2452.7	2636.7	2811.4	2977.9	3132.1	3273.4	3398.1	3507.1	3602.5	3683.9	3751.0
-60°	2051.3	2196.3	2352.8	2500.3	2636.7	2761.7	2878.2	2981.9	3072.6	3149.9	3213.5
-62.5°	1692.1	1812.2	1936.0	2051.3	2157.8	2263.0	2365.2	2456.2	2535.7	2603.4	2659.1
-65°	1402.8	1494.8	1581.1	1661.4	1736.5	1824.1	1903.3	1973.7	2035.1	2087.4	2130.4
-67.5°	1153.4	1222.0	1286.4	1346.2	1408.5	1468.9	1523.4	1571.8	1614.1	1650.1	1679.6
-70°	940.1	988.1	1033.0	1078.9	1127.5	1171.9	1212.0	1247.5	1278.6	1304.9	1326.6
-72.5°	762.5	794.2	826.2	862.5	896.0	926.5	954.0	978.4	999.7	1017.8	1032.6
-75°	615.8	640.7	666.1	689.6	711.3	731.1	748.9	764.7	778.5	790.2	799.8
-77.5°	484.0	503.9	522.4	539.7	555.5	570.0	583.0	594.5	604.6	613.1	620.2
-80°	346.1	362.7	378.2	392.6	405.8	417.9	428.7	438.4	446.8	453.9	459.7
-82.5°	215.7	226.9	237.5	247.2	256.2	264.4	271.8	278.3	284.0	288.8	292.8
-85°	106.8	112.0	116.8	121.2	125.4	129.1	132.5	135.4	138.0	140.3	142.1
-87.5°	32.0	33.0	33.9	34.7	35.4	36.1	36.7	37.3	37.8	38.2	38.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645436 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-740-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°	38.8	39.0	39.1	39.1	39.1	39.0	38.8	38.5	38.2	37.8	37.3
85°	143.5	144.5	145.1	145.3	145.1	144.5	143.5	142.1	140.3	138.0	135.4
82.5°	295.9	298.1	299.5	299.9	299.5	298.1	295.9	292.8	288.8	284.0	278.3
80°	464.3	467.6	469.5	470.2	469.5	467.6	464.3	459.7	453.9	446.8	438.4
77.5°	625.6	629.6	631.9	632.7	631.9	629.6	625.6	620.2	613.1	604.6	594.5
75°	807.3	812.7	815.9	817.0	815.9	812.7	807.3	799.8	790.2	778.5	764.7
72.5°	1044.2	1052.5	1057.5	1059.2	1057.5	1052.5	1044.2	1032.6	1017.8	999.7	978.4
70°	1343.6	1355.7	1363.0	1365.4	1363.0	1355.7	1343.6	1326.6	1304.9	1278.6	1247.5
67.5°	1702.7	1719.2	1729.2	1732.5	1729.2	1719.2	1702.7	1679.6	1650.1	1614.1	1571.8
65°	2164.0	2188.1	2202.6	2207.4	2202.6	2188.1	2164.0	2130.4	2087.4	2035.1	1973.7
62.5°	2702.7	2733.9	2752.6	2758.9	2752.6	2733.9	2702.7	2659.1	2603.4	2535.7	2456.2
60°	3263.2	3298.9	3320.3	3327.5	3320.3	3298.9	3263.2	3213.5	3149.9	3072.6	2981.9
57.5°	3803.4	3841.0	3863.6	3871.2	3863.6	3841.0	3803.4	3751.0	3683.9	3602.5	3507.1
55°	4286.4	4322.9	4345.0	4352.3	4345.0	4322.9	4286.4	4235.4	4170.3	4091.4	3998.9
52.5°	4721.4	4757.6	4779.3	4786.6	4779.3	4757.6	4721.4	4671.1	4606.8	4528.9	4437.7
50°	5114.4	5150.0	5171.5	5178.7	5171.5	5150.0	5114.4	5064.7	5001.4	4924.7	4835.1
47.5°	5475.0	5510.8	5532.4	5539.6	5532.4	5510.8	5475.0	5425.2	5361.7	5284.9	5195.3
45°	5791.1	5824.9	5845.3	5852.1	5845.3	5824.9	5791.1	5744.1	5684.3	5612.0	5526.0
42.5°	6063.6	6095.3	6114.4	6120.8	6114.4	6095.3	6063.6	6019.6	5963.7	5896.2	5812.2
40°	6301.9	6332.2	6350.6	6356.7	6350.6	6332.2	6301.9	6259.8	6206.4	6142.2	6060.2
37.5°	6507.1	6535.4	6552.5	6558.2	6552.5	6535.4	6507.1	6467.9	6418.3	6358.7	6278.2
35°	6680.1	6706.0	6721.6	6726.9	6721.6	6706.0	6680.1	6644.3	6599.0	6542.2	6467.5
32.5°	6826.8	6851.0	6865.7	6870.6	6865.7	6851.0	6826.8	6793.5	6751.4	6696.7	6628.9
30°	6947.4	6968.8	6981.8	6986.2	6981.8	6968.8	6947.4	6918.0	6881.0	6828.9	6766.2
27.5°	7043.2	7061.7	7073.0	7076.8	7073.0	7061.7	7043.2	7017.8	6986.0	6938.0	6883.3
25°	7106.2	7117.5	7124.5	7126.8	7124.5	7117.5	7106.2	7090.7	7067.0	7025.9	6977.4
22.5°	7133.5	7136.7	7138.6	7139.3	7138.6	7136.7	7133.5	7129.2	7115.2	7090.3	7050.6
20°	7135.6	7133.3	7132.0	7131.5	7132.0	7133.3	7135.6	7138.6	7134.6	7127.7	7100.1
17.5°	7122.7	7115.5	7111.1	7109.6	7111.1	7115.5	7122.7	7131.7	7135.8	7137.3	7129.0
15°	7101.0	7090.4	7083.8	7081.5	7083.8	7090.4	7101.0	7113.7	7126.5	7134.9	7137.3
12.5°	7076.7	7065.1	7057.6	7055.0	7057.6	7065.1	7076.7	7092.3	7110.5	7126.5	7135.8
10°	7054.8	7045.0	7038.5	7036.2	7038.5	7045.0	7054.8	7072.0	7092.3	7113.7	7131.7
7.5°	7040.6	7031.9	7027.1	7025.3	7027.1	7031.9	7040.6	7054.8	7076.7	7101.0	7122.7
5°	7031.9	7023.1	7015.7	7012.8	7015.7	7023.1	7031.9	7045.0	7065.1	7090.4	7115.5
2.5°	7027.1	7015.7	7004.5	6998.7	7004.5	7015.7	7027.1	7038.5	7057.6	7083.8	7111.1
0°	7025.3	7012.8	6998.7	7000.3	6998.7	7012.8	7025.3	7036.2	7055.0	7081.5	7109.6
-2.5°	7027.1	7015.7	7004.5	6998.7	7004.5	7015.7	7027.1	7038.5	7057.6	7083.8	7111.1
-5°	7031.9	7023.1	7015.7	7012.8	7015.7	7023.1	7031.9	7045.0	7065.1	7090.4	7115.5
-7.5°	7040.6	7031.9	7027.1	7025.3	7027.1	7031.9	7040.6	7054.8	7076.7	7101.0	7122.7
-10°	7054.8	7045.0	7038.5	7036.2	7038.5	7045.0	7054.8	7072.0	7092.3	7113.7	7131.7
-12.5°	7076.7	7065.1	7057.6	7055.0	7057.6	7065.1	7076.7	7092.3	7110.5	7126.5	7135.8
-15°	7101.0	7090.4	7083.8	7081.5	7083.8	7090.4	7101.0	7113.7	7126.5	7134.9	7137.3
-17.5°	7122.7	7115.5	7111.1	7109.6	7111.1	7115.5	7122.7	7131.7	7135.8	7137.3	7129.0
-20°	7135.6	7133.3	7132.0	7131.5	7132.0	7133.3	7135.6	7138.6	7134.6	7127.7	7100.1

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Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645436 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-740-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°	7133.5	7136.7	7138.6	7139.3	7138.6	7136.7	7133.5	7129.2	7115.2	7090.3	7050.6
-25°	7106.2	7117.5	7124.5	7126.8	7124.5	7117.5	7106.2	7090.7	7067.0	7025.9	6977.4
-27.5°	7043.2	7061.7	7073.0	7076.8	7073.0	7061.7	7043.2	7017.8	6986.0	6938.0	6883.3
-30°	6947.4	6968.8	6981.8	6986.2	6981.8	6968.8	6947.4	6918.0	6881.0	6828.9	6766.2
-32.5°	6826.8	6851.0	6865.7	6870.6	6865.7	6851.0	6826.8	6793.5	6751.4	6696.7	6628.9
-35°	6680.1	6706.0	6721.6	6726.9	6721.6	6706.0	6680.1	6644.3	6599.0	6542.2	6467.5
-37.5°	6507.1	6535.4	6552.5	6558.2	6552.5	6535.4	6507.1	6467.9	6418.3	6358.7	6278.2
-40°	6301.9	6332.2	6350.6	6356.7	6350.6	6332.2	6301.9	6259.8	6206.4	6142.2	6060.2
-42.5°	6063.6	6095.3	6114.4	6120.8	6114.4	6095.3	6063.6	6019.6	5963.7	5896.2	5812.2
-45°	5791.1	5824.9	5845.3	5852.1	5845.3	5824.9	5791.1	5744.1	5684.3	5612.0	5526.0
-47.5°	5475.0	5510.8	5532.4	5539.6	5532.4	5510.8	5475.0	5425.2	5361.7	5284.9	5195.3
-50°	5114.4	5150.0	5171.5	5178.7	5171.5	5150.0	5114.4	5064.7	5001.4	4924.7	4835.1
-52.5°	4721.4	4757.6	4779.3	4786.6	4779.3	4757.6	4721.4	4671.1	4606.8	4528.9	4437.7
-55°	4286.4	4322.9	4345.0	4352.3	4345.0	4322.9	4286.4	4235.4	4170.3	4091.4	3998.9
-57.5°	3803.4	3841.0	3863.6	3871.2	3863.6	3841.0	3803.4	3751.0	3683.9	3602.5	3507.1
-60°	3263.2	3298.9	3320.3	3327.5	3320.3	3298.9	3263.2	3213.5	3149.9	3072.6	2981.9
-62.5°	2702.7	2733.9	2752.6	2758.9	2752.6	2733.9	2702.7	2659.1	2603.4	2535.7	2456.2
-65°	2164.0	2188.1	2202.6	2207.4	2202.6	2188.1	2164.0	2130.4	2087.4	2035.1	1973.7
-67.5°	1702.7	1719.2	1729.2	1732.5	1729.2	1719.2	1702.7	1679.6	1650.1	1614.1	1571.8
-70°	1343.6	1355.7	1363.0	1365.4	1363.0	1355.7	1343.6	1326.6	1304.9	1278.6	1247.5
-72.5°	1044.2	1052.5	1057.5	1059.2	1057.5	1052.5	1044.2	1032.6	1017.8	999.7	978.4
-75°	807.3	812.7	815.9	817.0	815.9	812.7	807.3	799.8	790.2	778.5	764.7
-77.5°	625.6	629.6	631.9	632.7	631.9	629.6	625.6	620.2	613.1	604.6	594.5
-80°	464.3	467.6	469.5	470.2	469.5	467.6	464.3	459.7	453.9	446.8	438.4
-82.5°	295.9	298.1	299.5	299.9	299.5	298.1	295.9	292.8	288.8	284.0	278.3
-85°	143.5	144.5	145.1	145.3	145.1	144.5	143.5	142.1	140.3	138.0	135.4
-87.5°	38.8	39.0	39.1	39.1	39.1	39.0	38.8	38.5	38.2	37.8	37.3
-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: P645436 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-740-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°	36.7	36.1	35.4	34.7	33.9	33.0	32.0	31.0	29.9	28.8	27.6
85°	132.5	129.1	125.4	121.2	116.8	112.0	106.8	101.3	95.5	89.4	83.0
82.5°	271.8	264.4	256.2	247.2	237.5	226.9	215.7	203.7	191.0	177.6	163.6
80°	428.7	417.9	405.8	392.6	378.2	362.7	346.1	328.4	309.7	291.0	272.3
77.5°	583.0	570.0	555.5	539.7	522.4	503.9	484.0	462.5	439.1	414.5	388.7
75°	748.9	731.1	711.3	689.6	666.1	640.7	615.8	590.4	563.5	535.2	505.6
72.5°	954.0	926.5	896.0	862.5	826.2	794.2	762.5	728.7	693.0	655.5	618.2
70°	1212.0	1171.9	1127.5	1078.9	1033.0	988.1	940.1	889.1	835.3	787.9	742.9
67.5°	1523.4	1468.9	1408.5	1346.2	1286.4	1222.0	1153.4	1080.5	1015.3	951.5	884.8
65°	1903.3	1824.1	1736.5	1661.4	1581.1	1494.8	1402.8	1315.2	1229.4	1139.4	1048.3
62.5°	2365.2	2263.0	2157.8	2051.3	1936.0	1812.2	1692.1	1584.1	1470.4	1353.6	1249.9
60°	2878.2	2761.7	2636.7	2500.3	2352.8	2196.3	2051.3	1897.9	1736.5	1605.0	1468.9
57.5°	3398.1	3273.4	3132.1	2977.9	2811.4	2636.7	2452.7	2258.4	2075.4	1891.5	1707.4
55°	3893.3	3762.4	3614.9	3454.0	3278.4	3084.3	2878.2	2663.6	2442.3	2211.1	2003.7
52.5°	4331.7	4202.9	4060.8	3906.3	3722.6	3521.5	3307.5	3072.6	2826.4	2575.4	2317.0
50°	4727.3	4600.9	4461.9	4306.4	4126.3	3934.4	3712.9	3471.3	3213.5	2938.3	2656.1
47.5°	5086.0	4962.4	4826.7	4667.9	4492.8	4301.4	4083.1	3851.7	3581.3	3298.9	2994.6
45°	5415.6	5292.7	5156.1	4997.5	4827.6	4632.0	4421.1	4183.7	3928.5	3636.7	3327.5
42.5°	5708.8	5593.8	5457.1	5300.2	5128.5	4935.4	4726.3	4490.8	4234.4	3953.5	3636.7
40°	5964.1	5857.6	5723.3	5577.6	5404.0	5214.3	5000.9	4773.8	4514.2	4234.4	3928.5
37.5°	6187.1	6081.6	5956.8	5817.8	5651.9	5467.2	5255.5	5022.9	4773.8	4490.8	4183.7
35°	6383.4	6279.6	6162.0	6024.3	5872.2	5689.4	5488.4	5255.5	5000.9	4726.3	4421.1
32.5°	6551.9	6452.3	6342.7	6208.2	6058.4	5888.8	5689.4	5467.2	5214.3	4935.4	4632.0
30°	6691.0	6601.4	6494.5	6372.0	6223.7	6058.4	5872.2	5651.9	5404.0	5128.5	4827.6
27.5°	6810.9	6728.8	6626.0	6508.7	6372.0	6208.2	6024.3	5817.8	5577.6	5300.2	4997.5
25°	6911.8	6833.7	6739.8	6626.0	6494.5	6342.7	6162.0	5956.8	5723.3	5457.1	5156.1
22.5°	6995.1	6921.5	6833.7	6728.8	6601.4	6452.3	6279.6	6081.6	5857.6	5593.8	5292.7
20°	7059.0	6995.1	6911.8	6810.9	6691.0	6551.9	6383.4	6187.1	5964.1	5708.8	5415.6
17.5°	7100.1	7050.6	6977.4	6883.3	6766.2	6628.9	6467.5	6278.2	6060.2	5812.2	5526.0
15°	7127.7	7090.3	7025.9	6938.0	6828.9	6696.7	6542.2	6358.7	6142.2	5896.2	5612.0
12.5°	7134.6	7115.2	7067.0	6986.0	6881.0	6751.4	6599.0	6418.3	6206.4	5963.7	5684.3
10°	7138.6	7129.2	7090.7	7017.8	6918.0	6793.5	6644.3	6467.9	6259.8	6019.6	5744.1
7.5°	7135.6	7133.5	7106.2	7043.2	6947.4	6826.8	6680.1	6507.1	6301.9	6063.6	5791.1
5°	7133.3	7136.7	7117.5	7061.7	6968.8	6851.0	6706.0	6535.4	6332.2	6095.3	5824.9
2.5°	7132.0	7138.6	7124.5	7073.0	6981.8	6865.7	6721.6	6552.5	6350.6	6114.4	5845.3
0°	7131.5	7139.3	7126.8	7076.8	6986.2	6870.6	6726.9	6558.2	6356.7	6120.8	5852.1
-2.5°	7132.0	7138.6	7124.5	7073.0	6981.8	6865.7	6721.6	6552.5	6350.6	6114.4	5845.3
-5°	7133.3	7136.7	7117.5	7061.7	6968.8	6851.0	6706.0	6535.4	6332.2	6095.3	5824.9
-7.5°	7135.6	7133.5	7106.2	7043.2	6947.4	6826.8	6680.1	6507.1	6301.9	6063.6	5791.1
-10°	7138.6	7129.2	7090.7	7017.8	6918.0	6793.5	6644.3	6467.9	6259.8	6019.6	5744.1
-12.5°	7134.6	7115.2	7067.0	6986.0	6881.0	6751.4	6599.0	6418.3	6206.4	5963.7	5684.3
-15°	7127.7	7090.3	7025.9	6938.0	6828.9	6696.7	6542.2	6358.7	6142.2	5896.2	5612.0
-17.5°	7100.1	7050.6	6977.4	6883.3	6766.2	6628.9	6467.5	6278.2	6060.2	5812.2	5526.0
-20°	7059.0	6995.1	6911.8	6810.9	6691.0	6551.9	6383.4	6187.1	5964.1	5708.8	5415.6

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REPORT NUMBER: P645436 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-740-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6995.1	6921.5	6833.7	6728.8	6601.4	6452.3	6279.6	6081.6	5857.6	5593.8	5292.7
-25°	6911.8	6833.7	6739.8	6626.0	6494.5	6342.7	6162.0	5956.8	5723.3	5457.1	5156.1
-27.5°	6810.9	6728.8	6626.0	6508.7	6372.0	6208.2	6024.3	5817.8	5577.6	5300.2	4997.5
-30°	6691.0	6601.4	6494.5	6372.0	6223.7	6058.4	5872.2	5651.9	5404.0	5128.5	4827.6
-32.5°	6551.9	6452.3	6342.7	6208.2	6058.4	5888.8	5689.4	5467.2	5214.3	4935.4	4632.0
-35°	6383.4	6279.6	6162.0	6024.3	5872.2	5689.4	5488.4	5255.5	5000.9	4726.3	4421.1
-37.5°	6187.1	6081.6	5956.8	5817.8	5651.9	5467.2	5255.5	5022.9	4773.8	4490.8	4183.7
-40°	5964.1	5857.6	5723.3	5577.6	5404.0	5214.3	5000.9	4773.8	4514.2	4234.4	3928.5
-42.5°	5708.8	5593.8	5457.1	5300.2	5128.5	4935.4	4726.3	4490.8	4234.4	3953.5	3636.7
-45°	5415.6	5292.7	5156.1	4997.5	4827.6	4632.0	4421.1	4183.7	3928.5	3636.7	3327.5
-47.5°	5086.0	4962.4	4826.7	4667.9	4492.8	4301.4	4083.1	3851.7	3581.3	3298.9	2994.6
-50°	4727.3	4600.9	4461.9	4306.4	4126.3	3934.4	3712.9	3471.3	3213.5	2938.3	2656.1
-52.5°	4331.7	4202.9	4060.8	3906.3	3722.6	3521.5	3307.5	3072.6	2826.4	2575.4	2317.0
-55°	3893.3	3762.4	3614.9	3454.0	3278.4	3084.3	2878.2	2663.6	2442.3	2211.1	2003.7
-57.5°	3398.1	3273.4	3132.1	2977.9	2811.4	2636.7	2452.7	2258.4	2075.4	1891.5	1707.4
-60°	2878.2	2761.7	2636.7	2500.3	2352.8	2196.3	2051.3	1897.9	1736.5	1605.0	1468.9
-62.5°	2365.2	2263.0	2157.8	2051.3	1936.0	1812.2	1692.1	1584.1	1470.4	1353.6	1249.9
-65°	1903.3	1824.1	1736.5	1661.4	1581.1	1494.8	1402.8	1315.2	1229.4	1139.4	1048.3
-67.5°	1523.4	1468.9	1408.5	1346.2	1286.4	1222.0	1153.4	1080.5	1015.3	951.5	884.8
-70°	1212.0	1171.9	1127.5	1078.9	1033.0	988.1	940.1	889.1	835.3	787.9	742.9
-72.5°	954.0	926.5	896.0	862.5	826.2	794.2	762.5	728.7	693.0	655.5	618.2
-75°	748.9	731.1	711.3	689.6	666.1	640.7	615.8	590.4	563.5	535.2	505.6
-77.5°	583.0	570.0	555.5	539.7	522.4	503.9	484.0	462.5	439.1	414.5	388.7
-80°	428.7	417.9	405.8	392.6	378.2	362.7	346.1	328.4	309.7	291.0	272.3
-82.5°	271.8	264.4	256.2	247.2	237.5	226.9	215.7	203.7	191.0	177.6	163.6
-85°	132.5	129.1	125.4	121.2	116.8	112.0	106.8	101.3	95.5	89.4	83.0
-87.5°	36.7	36.1	35.4	34.7	33.9	33.0	32.0	31.0	29.9	28.8	27.6
-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: P645436 (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°	26.4	25.1	23.8	22.4	21.0	19.5	18.0	16.5	15.0	13.4	11.8
85°	76.3	69.3	62.1	54.6	46.9	39.1	36.1	33.0	29.9	26.7	23.5
82.5°	149.0	137.3	126.5	115.3	103.7	91.9	79.7	67.2	54.5	41.6	35.2
80°	252.7	232.4	211.4	189.6	167.2	144.5	128.3	111.7	94.8	77.5	60.1
77.5°	361.8	333.8	304.8	277.1	249.1	220.3	190.8	160.7	134.7	113.2	91.4
75°	474.8	441.4	406.5	370.6	333.5	295.9	260.6	224.4	187.6	150.2	122.5
72.5°	582.1	544.6	505.8	465.6	422.4	378.1	332.7	287.6	244.7	201.2	156.9
70°	696.1	647.4	601.3	555.6	508.5	459.7	408.0	355.1	301.3	251.5	201.2
67.5°	815.8	761.0	704.3	645.9	591.5	537.2	481.8	423.0	362.6	301.3	244.7
65°	971.0	890.9	810.2	745.4	678.8	613.1	551.7	489.0	423.0	355.1	287.6
62.5°	1142.1	1036.5	945.4	851.7	770.2	695.3	620.4	551.7	481.8	408.0	332.7
60°	1333.9	1212.0	1086.3	978.4	873.6	778.5	695.3	613.1	537.2	459.7	378.1
57.5°	1554.0	1395.4	1254.2	1114.3	989.4	873.6	770.2	678.8	591.5	508.5	422.4
55°	1789.3	1605.4	1429.5	1268.3	1114.3	978.4	851.7	745.4	645.9	555.6	465.6
52.5°	2071.5	1834.3	1622.7	1429.5	1254.2	1086.3	945.4	810.2	704.3	601.3	505.8
50°	2370.3	2094.3	1834.3	1605.4	1395.4	1212.0	1036.5	890.9	761.0	647.4	544.6
47.5°	2683.1	2370.3	2071.5	1789.3	1554.0	1333.9	1142.1	971.0	815.8	696.1	582.1
45°	2994.6	2656.1	2317.0	2003.7	1707.4	1468.9	1249.9	1048.3	884.8	742.9	618.2
42.5°	3298.9	2938.3	2575.4	2211.1	1891.5	1605.0	1353.6	1139.4	951.5	787.9	655.5
40°	3581.3	3213.5	2826.4	2442.3	2075.4	1736.5	1470.4	1229.4	1015.3	835.3	693.0
37.5°	3851.7	3471.3	3072.6	2663.6	2258.4	1897.9	1584.1	1315.2	1080.5	889.1	728.7
35°	4083.1	3712.9	3307.5	2878.2	2452.7	2051.3	1692.1	1402.8	1153.4	940.1	762.5
32.5°	4301.4	3934.4	3521.5	3084.3	2636.7	2196.3	1812.2	1494.8	1222.0	988.1	794.2
30°	4492.8	4126.3	3722.6	3278.4	2811.4	2352.8	1936.0	1581.1	1286.4	1033.0	826.2
27.5°	4667.9	4306.4	3906.3	3454.0	2977.9	2500.3	2051.3	1661.4	1346.2	1078.9	862.5
25°	4826.7	4461.9	4060.8	3614.9	3132.1	2636.7	2157.8	1736.5	1408.5	1127.5	896.0
22.5°	4962.4	4600.9	4202.9	3762.4	3273.4	2761.7	2263.0	1824.1	1468.9	1171.9	926.5
20°	5086.0	4727.3	4331.7	3893.3	3398.1	2878.2	2365.2	1903.3	1523.4	1212.0	954.0
17.5°	5195.3	4835.1	4437.7	3998.9	3507.1	2981.9	2456.2	1973.7	1571.8	1247.5	978.4
15°	5284.9	4924.7	4528.9	4091.4	3602.5	3072.6	2535.7	2035.1	1614.1	1278.6	999.7
12.5°	5361.7	5001.4	4606.8	4170.3	3683.9	3149.9	2603.4	2087.4	1650.1	1304.9	1017.8
10°	5425.2	5064.7	4671.1	4235.4	3751.0	3213.5	2659.1	2130.4	1679.6	1326.6	1032.6
7.5°	5475.0	5114.4	4721.4	4286.4	3803.4	3263.2	2702.7	2164.0	1702.7	1343.6	1044.2
5°	5510.8	5150.0	4757.6	4322.9	3841.0	3298.9	2733.9	2188.1	1719.2	1355.7	1052.5
2.5°	5532.4	5171.5	4779.3	4345.0	3863.6	3320.3	2752.6	2202.6	1729.2	1363.0	1057.5
0°	5539.6	5178.7	4786.6	4352.3	3871.2	3327.5	2758.9	2207.4	1732.5	1365.4	1059.2
-2.5°	5532.4	5171.5	4779.3	4345.0	3863.6	3320.3	2752.6	2202.6	1729.2	1363.0	1057.5
-5°	5510.8	5150.0	4757.6	4322.9	3841.0	3298.9	2733.9	2188.1	1719.2	1355.7	1052.5
-7.5°	5475.0	5114.4	4721.4	4286.4	3803.4	3263.2	2702.7	2164.0	1702.7	1343.6	1044.2
-10°	5425.2	5064.7	4671.1	4235.4	3751.0	3213.5	2659.1	2130.4	1679.6	1326.6	1032.6
-12.5°	5361.7	5001.4	4606.8	4170.3	3683.9	3149.9	2603.4	2087.4	1650.1	1304.9	1017.8
-15°	5284.9	4924.7	4528.9	4091.4	3602.5	3072.6	2535.7	2035.1	1614.1	1278.6	999.7
-17.5°	5195.3	4835.1	4437.7	3998.9	3507.1	2981.9	2456.2	1973.7	1571.8	1247.5	978.4
-20°	5086.0	4727.3	4331.7	3893.3	3398.1	2878.2	2365.2	1903.3	1523.4	1212.0	954.0



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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°	4962.4	4600.9	4202.9	3762.4	3273.4	2761.7	2263.0	1824.1	1468.9	1171.9	926.5
-25°	4826.7	4461.9	4060.8	3614.9	3132.1	2636.7	2157.8	1736.5	1408.5	1127.5	896.0
-27.5°	4667.9	4306.4	3906.3	3454.0	2977.9	2500.3	2051.3	1661.4	1346.2	1078.9	862.5
-30°	4492.8	4126.3	3722.6	3278.4	2811.4	2352.8	1936.0	1581.1	1286.4	1033.0	826.2
-32.5°	4301.4	3934.4	3521.5	3084.3	2636.7	2196.3	1812.2	1494.8	1222.0	988.1	794.2
-35°	4083.1	3712.9	3307.5	2878.2	2452.7	2051.3	1692.1	1402.8	1153.4	940.1	762.5
-37.5°	3851.7	3471.3	3072.6	2663.6	2258.4	1897.9	1584.1	1315.2	1080.5	889.1	728.7
-40°	3581.3	3213.5	2826.4	2442.3	2075.4	1736.5	1470.4	1229.4	1015.3	835.3	693.0
-42.5°	3298.9	2938.3	2575.4	2211.1	1891.5	1605.0	1353.6	1139.4	951.5	787.9	655.5
-45°	2994.6	2656.1	2317.0	2003.7	1707.4	1468.9	1249.9	1048.3	884.8	742.9	618.2
-47.5°	2683.1	2370.3	2071.5	1789.3	1554.0	1333.9	1142.1	971.0	815.8	696.1	582.1
-50°	2370.3	2094.3	1834.3	1605.4	1395.4	1212.0	1036.5	890.9	761.0	647.4	544.6
-52.5°	2071.5	1834.3	1622.7	1429.5	1254.2	1086.3	945.4	810.2	704.3	601.3	505.8
-55°	1789.3	1605.4	1429.5	1268.3	1114.3	978.4	851.7	745.4	645.9	555.6	465.6
-57.5°	1554.0	1395.4	1254.2	1114.3	989.4	873.6	770.2	678.8	591.5	508.5	422.4
-60°	1333.9	1212.0	1086.3	978.4	873.6	778.5	695.3	613.1	537.2	459.7	378.1
-62.5°	1142.1	1036.5	945.4	851.7	770.2	695.3	620.4	551.7	481.8	408.0	332.7
-65°	971.0	890.9	810.2	745.4	678.8	613.1	551.7	489.0	423.0	355.1	287.6
-67.5°	815.8	761.0	704.3	645.9	591.5	537.2	481.8	423.0	362.6	301.3	244.7
-70°	696.1	647.4	601.3	555.6	508.5	459.7	408.0	355.1	301.3	251.5	201.2
-72.5°	582.1	544.6	505.8	465.6	422.4	378.1	332.7	287.6	244.7	201.2	156.9
-75°	474.8	441.4	406.5	370.6	333.5	295.9	260.6	224.4	187.6	150.2	122.5
-77.5°	361.8	333.8	304.8	277.1	249.1	220.3	190.8	160.7	134.7	113.2	91.4
-80°	252.7	232.4	211.4	189.6	167.2	144.5	128.3	111.7	94.8	77.5	60.1
-82.5°	149.0	137.3	126.5	115.3	103.7	91.9	79.7	67.2	54.5	41.6	35.2
-85°	76.3	69.3	62.1	54.6	46.9	39.1	36.1	33.0	29.9	26.7	23.5
-87.5°	26.4	25.1	23.8	22.4	21.0	19.5	18.0	16.5	15.0	13.4	11.8
-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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CATALOG NUMBER: GFLD-SA3D-740-U-LAM-XX

**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°	10.1	8.5	6.8	5.1	3.4	1.7	0.0
85°	20.2	16.9	13.6	10.2	6.8	3.4	0.0
82.5°	30.3	25.3	20.3	15.3	10.2	5.1	0.0
80°	42.3	33.7	27.0	20.3	13.6	6.8	0.0
77.5°	69.3	47.0	33.7	25.3	16.9	8.5	0.0
75°	96.1	69.3	42.3	30.3	20.2	10.1	0.0
72.5°	122.5	91.4	60.1	35.2	23.5	11.8	0.0
70°	150.2	113.2	77.5	41.6	26.7	13.4	0.0
67.5°	187.6	134.7	94.8	54.5	29.9	15.0	0.0
65°	224.4	160.7	111.7	67.2	33.0	16.5	0.0
62.5°	260.6	190.8	128.3	79.7	36.1	18.0	0.0
60°	295.9	220.3	144.5	91.9	39.1	19.5	0.0
57.5°	333.5	249.1	167.2	103.7	46.9	21.0	0.0
55°	370.6	277.1	189.6	115.3	54.6	22.4	0.0
52.5°	406.5	304.8	211.4	126.5	62.1	23.8	0.0
50°	441.4	333.8	232.4	137.3	69.3	25.1	0.0
47.5°	474.8	361.8	252.7	149.0	76.3	26.4	0.0
45°	505.6	388.7	272.3	163.6	83.0	27.6	0.0
42.5°	535.2	414.5	291.0	177.6	89.4	28.8	0.0
40°	563.5	439.1	309.7	191.0	95.5	29.9	0.0
37.5°	590.4	462.5	328.4	203.7	101.3	31.0	0.0
35°	615.8	484.0	346.1	215.7	106.8	32.0	0.0
32.5°	640.7	503.9	362.7	226.9	112.0	33.0	0.0
30°	666.1	522.4	378.2	237.5	116.8	33.9	0.0
27.5°	689.6	539.7	392.6	247.2	121.2	34.7	0.0
25°	711.3	555.5	405.8	256.2	125.4	35.4	0.0
22.5°	731.1	570.0	417.9	264.4	129.1	36.1	0.0
20°	748.9	583.0	428.7	271.8	132.5	36.7	0.0
17.5°	764.7	594.5	438.4	278.3	135.4	37.3	0.0
15°	778.5	604.6	446.8	284.0	138.0	37.8	0.0
12.5°	790.2	613.1	453.9	288.8	140.3	38.2	0.0
10°	799.8	620.2	459.7	292.8	142.1	38.5	0.0
7.5°	807.3	625.6	464.3	295.9	143.5	38.8	0.0
5°	812.7	629.6	467.6	298.1	144.5	39.0	0.0
2.5°	815.9	631.9	469.5	299.5	145.1	39.1	0.0
0°	817.0	632.7	470.2	299.9	145.3	39.1	0.0
-2.5°	815.9	631.9	469.5	299.5	145.1	39.1	0.0
-5°	812.7	629.6	467.6	298.1	144.5	39.0	0.0
-7.5°	807.3	625.6	464.3	295.9	143.5	38.8	0.0
-10°	799.8	620.2	459.7	292.8	142.1	38.5	0.0
-12.5°	790.2	613.1	453.9	288.8	140.3	38.2	0.0
-15°	778.5	604.6	446.8	284.0	138.0	37.8	0.0
-17.5°	764.7	594.5	438.4	278.3	135.4	37.3	0.0
-20°	748.9	583.0	428.7	271.8	132.5	36.7	0.0

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REPORT NUMBER: P645436 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	731.1	570.0	417.9	264.4	129.1	36.1	0.0
-25°	711.3	555.5	405.8	256.2	125.4	35.4	0.0
-27.5°	689.6	539.7	392.6	247.2	121.2	34.7	0.0
-30°	666.1	522.4	378.2	237.5	116.8	33.9	0.0
-32.5°	640.7	503.9	362.7	226.9	112.0	33.0	0.0
-35°	615.8	484.0	346.1	215.7	106.8	32.0	0.0
-37.5°	590.4	462.5	328.4	203.7	101.3	31.0	0.0
-40°	563.5	439.1	309.7	191.0	95.5	29.9	0.0
-42.5°	535.2	414.5	291.0	177.6	89.4	28.8	0.0
-45°	505.6	388.7	272.3	163.6	83.0	27.6	0.0
-47.5°	474.8	361.8	252.7	149.0	76.3	26.4	0.0
-50°	441.4	333.8	232.4	137.3	69.3	25.1	0.0
-52.5°	406.5	304.8	211.4	126.5	62.1	23.8	0.0
-55°	370.6	277.1	189.6	115.3	54.6	22.4	0.0
-57.5°	333.5	249.1	167.2	103.7	46.9	21.0	0.0
-60°	295.9	220.3	144.5	91.9	39.1	19.5	0.0
-62.5°	260.6	190.8	128.3	79.7	36.1	18.0	0.0
-65°	224.4	160.7	111.7	67.2	33.0	16.5	0.0
-67.5°	187.6	134.7	94.8	54.5	29.9	15.0	0.0
-70°	150.2	113.2	77.5	41.6	26.7	13.4	0.0
-72.5°	122.5	91.4	60.1	35.2	23.5	11.8	0.0
-75°	96.1	69.3	42.3	30.3	20.2	10.1	0.0
-77.5°	69.3	47.0	33.7	25.3	16.9	8.5	0.0
-80°	42.3	33.7	27.0	20.3	13.6	6.8	0.0
-82.5°	30.3	25.3	20.3	15.3	10.2	5.1	0.0
-85°	20.2	16.9	13.6	10.2	6.8	3.4	0.0
-87.5°	10.1	8.5	6.8	5.1	3.4	1.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)