

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: P627383 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4C-727-U-WR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627383 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4C-727-U-WR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N89
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

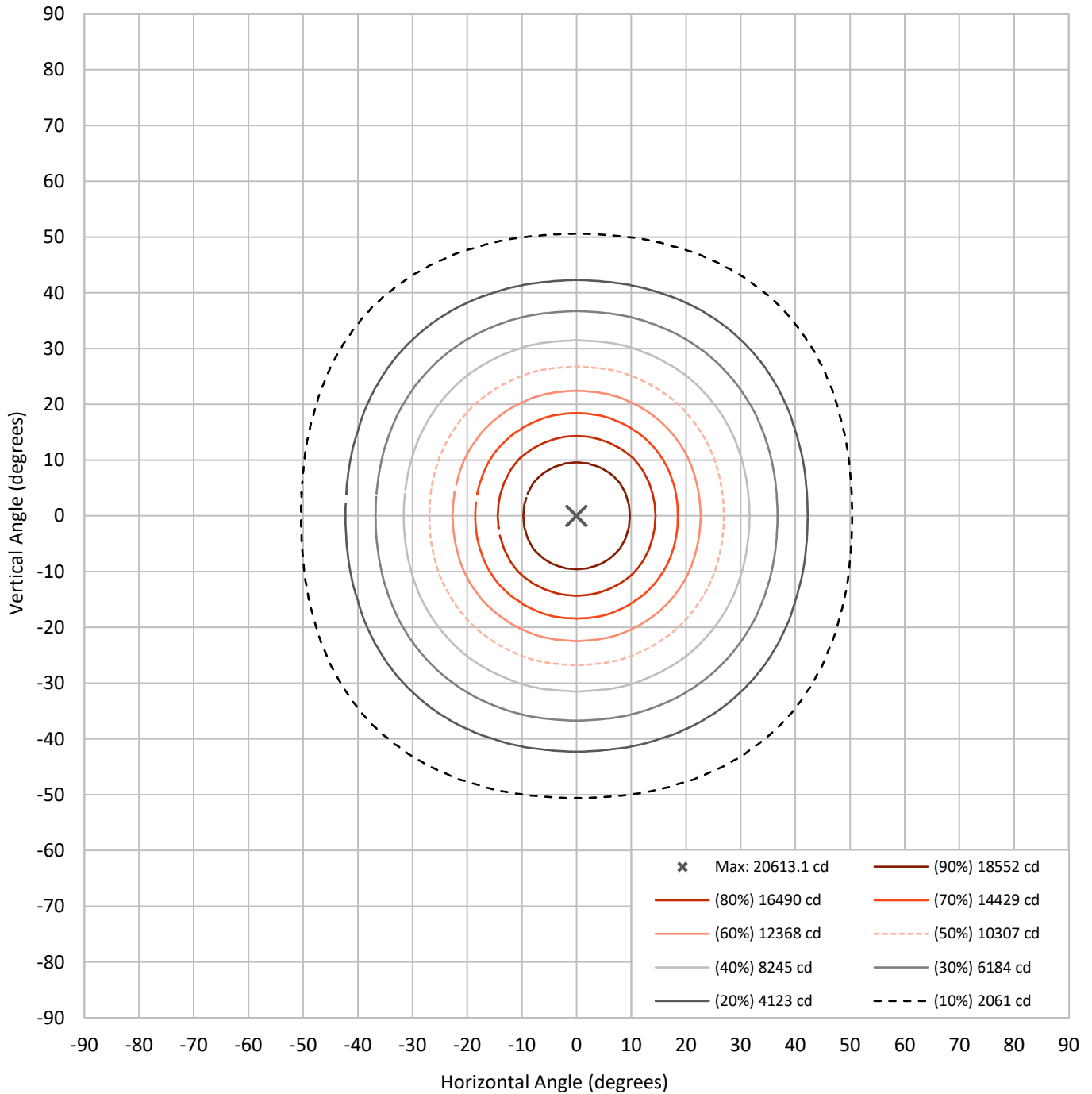
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	20979.3 lumens	Max Intensity:	20613.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	124.7 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	53.8°H x 53.6°V	Field Angle (10%):	100.8°H x 101.2°V
Beam Lumens:	10031 lumens	Field Lumens:	18515 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	168.2		
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





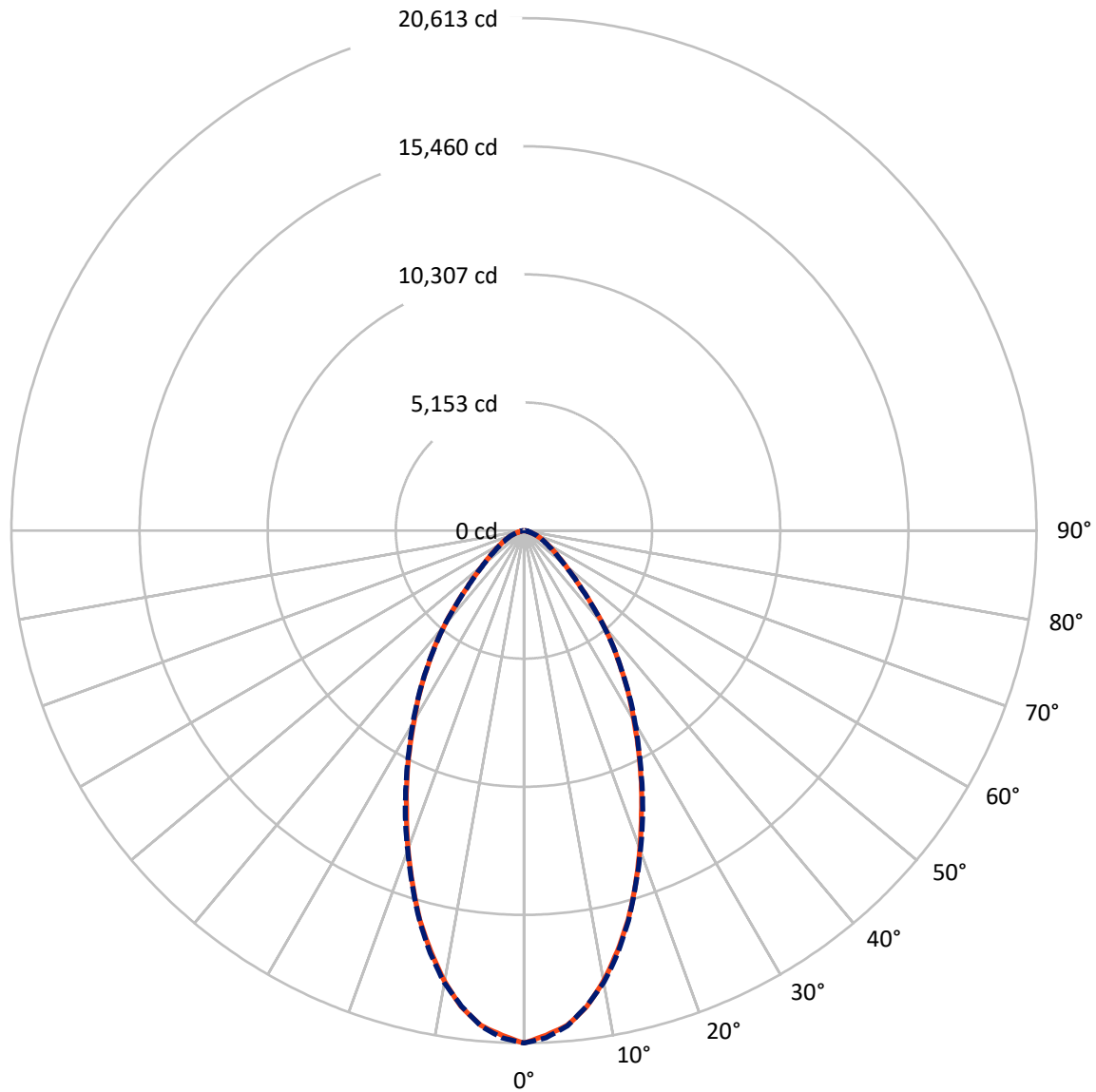
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Lumen Table

90																			
80	0.8	5.8		13.2		22.0		18.8		22.0		13.2		5.8		0.8			
70																			
60	2.7	3.2	6.0	9.6	14.0	18.2	21.3	22.8	22.8	21.3	18.2	14.0	9.6	6.0	3.2	2.7			
50		4.5	9.1	15.8	24.1	33.2	41.4	46.2	46.2	41.4	33.2	24.1	15.8	9.1	4.5				
40	4.0	5.8	12.6	23.5	39.6	60.9	83.9	99.3	99.3	83.9	60.9	39.6	23.5	12.6	5.8	4.0			
30		7.0	16.5	34.2	66.5	118.1	171.5	203.5	203.5	171.5	118.1	66.5	34.2	16.5	7.0				
20	4.8	8.2	20.5	47.8	107.5	193.2	276.5	330.5	330.5	276.5	193.2	107.5	47.8	20.5	8.2	4.8			
10		9.1	24.1	62.0	146.7	260.9	385.2	473.9	473.9	385.2	260.9	146.7	62.0	24.1	9.1				
0	5.0	9.6	26.1	71.2	168.9	303.3	461.6	580.5	580.5	461.6	303.3	168.9	71.2	26.1	9.6	5.0			
-10		9.6	26.1	71.2	168.9	303.3	461.6	580.5	580.5	461.6	303.3	168.9	71.2	26.1	9.6				
-20	4.8	9.1	24.1	62.0	146.7	260.9	385.2	473.9	473.9	385.2	260.9	146.7	62.0	24.1	9.1	4.8			
-30		8.2	20.5	47.8	107.5	193.2	276.5	330.5	330.5	276.5	193.2	107.5	47.8	20.5	8.2				
-40	4.0	7.0	16.5	34.2	66.5	118.1	171.5	203.5	203.5	171.5	118.1	66.5	34.2	16.5	7.0	4.0			
-50		5.8	12.6	23.5	39.6	60.9	83.9	99.3	99.3	83.9	60.9	39.6	23.5	12.6	5.8				
-60	2.7	4.5	9.1	15.8	24.1	33.2	41.4	46.2	46.2	41.4	33.2	24.1	15.8	9.1	4.5	2.7			
-70		3.2	6.0	9.6	14.0	18.2	21.3	22.8	22.8	21.3	18.2	14.0	9.6	6.0	3.2				
-80	0.8	5.8		13.2		22.0		18.8		22.0		13.2		5.8		0.8			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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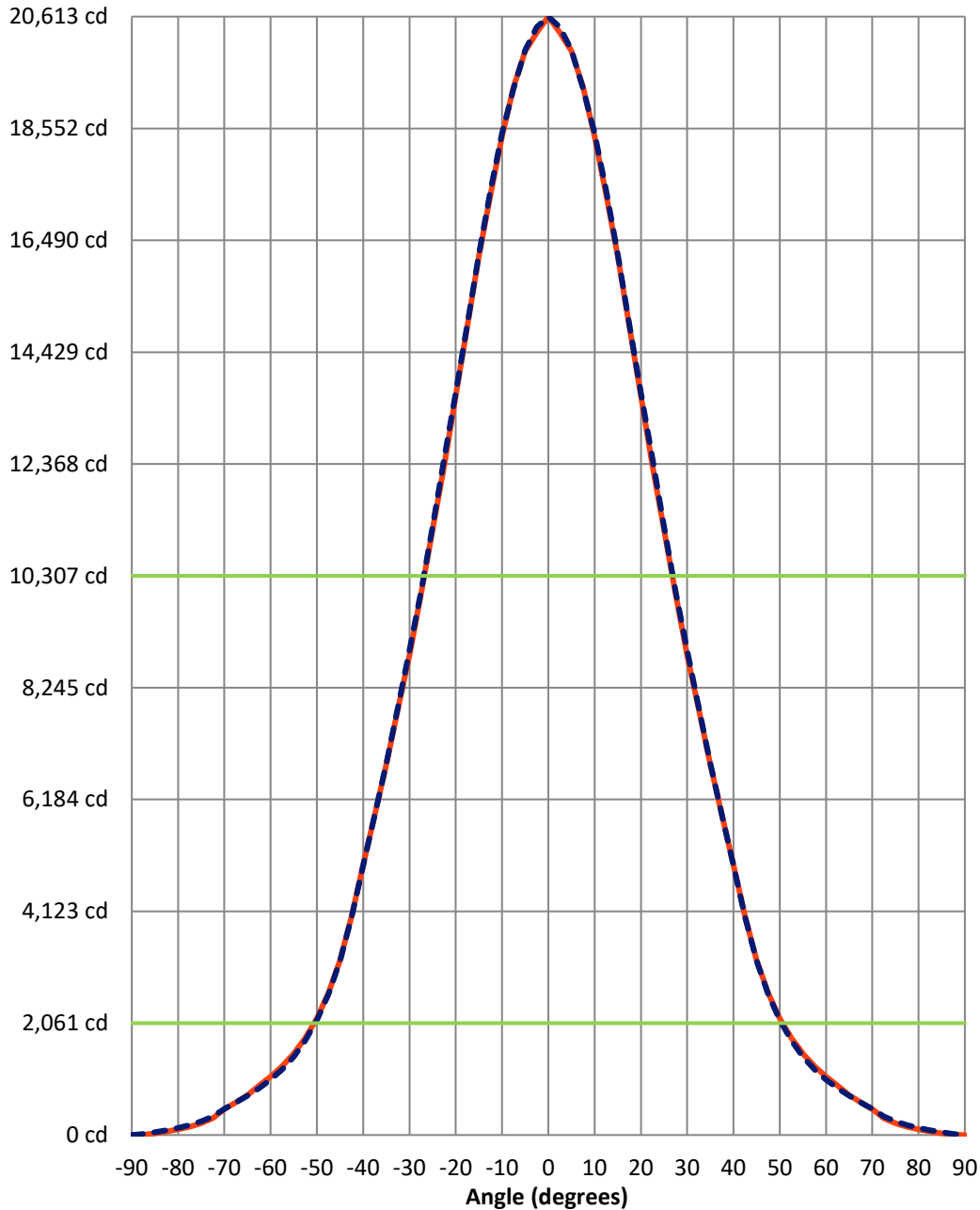
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 53.8°
 V Angle: 53.6°
 Lumens: 10031
 Efficiency: 47.8%

Field:
 H Angle: 100.8°
 V Angle: 101.2°
 Lumens: 18515
 Efficiency: 88.3%

Spill:
 Lumens: 2464.3
 Efficiency: 11.7%

— 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	1.0	2.4	3.9	5.7	7.6	9.8	10.8	11.7	12.4	12.9
85°	0.0	2.1	4.8	7.9	11.4	15.3	19.6	21.7	23.4	24.8	25.9
82.5°	0.0	3.1	7.2	11.8	17.0	22.8	29.3	32.6	35.9	41.6	46.6
80°	0.0	4.2	9.6	15.7	22.6	30.3	39.7	49.4	57.7	65.2	71.8
77.5°	0.0	5.2	11.9	19.5	28.1	39.4	56.7	69.2	79.6	88.9	98.2
75°	0.0	6.2	14.2	23.2	34.0	51.5	73.2	89.0	101.4	114.1	127.7
72.5°	0.0	7.2	16.4	26.9	42.1	63.2	89.2	108.3	123.3	139.5	156.7
70°	0.0	8.1	18.6	30.7	49.9	74.5	104.3	126.6	144.9	164.5	187.5
67.5°	0.0	9.1	20.8	35.5	57.4	85.3	117.5	144.5	166.0	190.3	217.9
65°	0.0	10.0	22.8	40.1	64.5	95.2	130.0	162.0	186.8	215.2	246.7
62.5°	0.0	10.9	24.8	44.4	71.2	104.2	141.8	178.6	206.8	239.1	273.5
60°	0.0	11.8	26.7	48.5	77.5	112.7	152.8	194.4	225.9	262.2	299.5
57.5°	0.0	12.6	29.0	52.3	83.3	120.6	162.8	208.6	245.2	284.5	323.5
55°	0.0	13.4	31.2	55.8	88.7	127.9	172.0	219.9	264.1	305.9	346.4
52.5°	0.0	14.2	33.4	59.0	93.7	134.6	180.5	232.2	282.2	326.3	368.8
50°	0.0	14.9	35.4	61.9	98.2	140.7	188.1	243.7	299.6	346.2	393.4
47.5°	0.0	15.6	37.4	64.6	102.3	146.2	195.2	254.2	316.9	365.5	417.5
45°	0.0	16.2	39.2	67.2	105.9	151.1	203.2	263.7	329.3	386.4	440.8
42.5°	0.0	16.9	41.0	69.5	108.9	155.4	210.4	273.0	340.6	406.6	465.0
40°	0.0	17.4	42.6	72.1	111.7	159.0	216.6	282.0	351.9	425.3	488.3
37.5°	0.0	17.9	44.1	74.7	114.2	161.9	222.0	290.1	364.1	440.1	510.5
35°	0.0	18.4	45.5	77.1	116.2	165.2	226.4	297.4	375.9	456.4	533.2
32.5°	0.0	18.9	46.8	79.2	117.7	168.4	230.5	303.7	387.1	472.9	556.4
30°	0.0	19.2	48.0	81.2	118.8	170.8	235.0	309.9	397.7	489.5	578.2
27.5°	0.0	19.6	49.1	82.9	121.3	172.5	238.7	317.6	408.7	506.3	598.7
25°	0.0	19.9	50.0	84.4	123.8	173.6	241.6	324.5	421.0	522.7	617.8
22.5°	0.0	20.1	50.8	85.7	125.9	175.0	243.6	330.5	432.8	537.7	638.8
20°	0.0	20.3	51.5	86.8	127.8	178.1	244.8	335.6	443.9	551.3	657.5
17.5°	0.0	20.5	52.0	87.6	129.3	180.7	247.6	339.7	454.1	563.2	673.9
15°	0.0	20.6	52.5	88.3	130.5	182.8	250.9	343.6	463.3	573.5	688.1
12.5°	0.0	20.7	52.8	88.6	131.4	184.3	253.2	347.1	471.1	582.1	699.9
10°	0.0	20.7	52.9	88.8	132.0	185.2	254.7	349.1	477.1	589.3	709.4
7.5°	0.0	20.7	53.0	88.8	132.3	185.6	255.3	349.5	481.4	594.8	716.8
5°	0.0	20.6	52.9	88.5	132.2	185.5	255.1	348.5	483.7	598.5	721.8
2.5°	0.0	20.5	52.7	88.1	131.8	184.8	253.9	346.1	484.0	600.4	724.2
0°	0.0	20.4	52.4	87.4	131.1	183.6	252.0	342.4	482.2	600.2	724.1
-2.5°	0.0	20.5	52.7	88.1	131.8	184.8	253.9	346.1	484.0	600.4	724.2
-5°	0.0	20.6	52.9	88.5	132.2	185.5	255.1	348.5	483.7	598.5	721.8
-7.5°	0.0	20.7	53.0	88.8	132.3	185.6	255.3	349.5	481.4	594.8	716.8
-10°	0.0	20.7	52.9	88.8	132.0	185.2	254.7	349.1	477.1	589.3	709.4
-12.5°	0.0	20.7	52.8	88.6	131.4	184.3	253.2	347.1	471.1	582.1	699.9
-15°	0.0	20.6	52.5	88.3	130.5	182.8	250.9	343.6	463.3	573.5	688.1
-17.5°	0.0	20.5	52.0	87.6	129.3	180.7	247.6	339.7	454.1	563.2	673.9
-20°	0.0	20.3	51.5	86.8	127.8	178.1	244.8	335.6	443.9	551.3	657.5

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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	20.1	50.8	85.7	125.9	175.0	243.6	330.5	432.8	537.7	638.8
-25°	0.0	19.9	50.0	84.4	123.8	173.6	241.6	324.5	421.0	522.7	617.8
-27.5°	0.0	19.6	49.1	82.9	121.3	172.5	238.7	317.6	408.7	506.3	598.7
-30°	0.0	19.2	48.0	81.2	118.8	170.8	235.0	309.9	397.7	489.5	578.2
-32.5°	0.0	18.9	46.8	79.2	117.7	168.4	230.5	303.7	387.1	472.9	556.4
-35°	0.0	18.4	45.5	77.1	116.2	165.2	226.4	297.4	375.9	456.4	533.2
-37.5°	0.0	17.9	44.1	74.7	114.2	161.9	222.0	290.1	364.1	440.1	510.5
-40°	0.0	17.4	42.6	72.1	111.7	159.0	216.6	282.0	351.9	425.3	488.3
-42.5°	0.0	16.9	41.0	69.5	108.9	155.4	210.4	273.0	340.6	406.6	465.0
-45°	0.0	16.2	39.2	67.2	105.9	151.1	203.2	263.7	329.3	386.4	440.8
-47.5°	0.0	15.6	37.4	64.6	102.3	146.2	195.2	254.2	316.9	365.5	417.5
-50°	0.0	14.9	35.4	61.9	98.2	140.7	188.1	243.7	299.6	346.2	393.4
-52.5°	0.0	14.2	33.4	59.0	93.7	134.6	180.5	232.2	282.2	326.3	368.8
-55°	0.0	13.4	31.2	55.8	88.7	127.9	172.0	219.9	264.1	305.9	346.4
-57.5°	0.0	12.6	29.0	52.3	83.3	120.6	162.8	208.6	245.2	284.5	323.5
-60°	0.0	11.8	26.7	48.5	77.5	112.7	152.8	194.4	225.9	262.2	299.5
-62.5°	0.0	10.9	24.8	44.4	71.2	104.2	141.8	178.6	206.8	239.1	273.5
-65°	0.0	10.0	22.8	40.1	64.5	95.2	130.0	162.0	186.8	215.2	246.7
-67.5°	0.0	9.1	20.8	35.5	57.4	85.3	117.5	144.5	166.0	190.3	217.9
-70°	0.0	8.1	18.6	30.7	49.9	74.5	104.3	126.6	144.9	164.5	187.5
-72.5°	0.0	7.2	16.4	26.9	42.1	63.2	89.2	108.3	123.3	139.5	156.7
-75°	0.0	6.2	14.2	23.2	34.0	51.5	73.2	89.0	101.4	114.1	127.7
-77.5°	0.0	5.2	11.9	19.5	28.1	39.4	56.7	69.2	79.6	88.9	98.2
-80°	0.0	4.2	9.6	15.7	22.6	30.3	39.7	49.4	57.7	65.2	71.8
-82.5°	0.0	3.1	7.2	11.8	17.0	22.8	29.3	32.6	35.9	41.6	46.6
-85°	0.0	2.1	4.8	7.9	11.4	15.3	19.6	21.7	23.4	24.8	25.9
-87.5°	0.0	1.0	2.4	3.9	5.7	7.6	9.8	10.8	11.7	12.4	12.9
-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°	13.1	13.1	12.9	12.6	12.0	11.3	10.4	9.3	9.7	10.0	10.4
85°	26.3	26.3	28.5	30.5	31.4	31.5	30.9	29.5	33.4	37.8	42.5
82.5°	51.3	55.7	59.9	63.9	64.3	63.2	61.3	59.0	66.8	76.2	86.1
80°	78.6	85.1	92.7	99.8	101.4	100.7	98.6	95.0	105.3	119.8	135.5
77.5°	109.1	119.5	129.2	138.1	140.7	140.3	138.7	135.9	148.9	169.0	189.9
75°	141.2	153.8	166.4	177.3	182.0	182.4	181.9	185.0	202.2	225.7	246.5
72.5°	174.8	190.8	204.9	217.0	224.6	230.3	238.0	247.3	264.7	287.8	308.2
70°	210.2	228.0	242.9	256.3	267.9	280.5	296.6	312.6	330.9	354.0	375.1
67.5°	245.2	263.3	280.0	296.5	317.6	337.8	357.8	378.7	401.8	426.0	447.5
65°	277.6	298.0	318.5	342.5	369.9	392.7	417.4	444.6	474.9	502.1	527.0
62.5°	308.7	331.8	357.1	386.0	415.7	444.3	477.5	512.4	547.7	581.9	615.9
60°	335.0	363.7	394.4	427.1	461.3	500.3	539.2	580.7	622.9	664.2	706.2
57.5°	360.2	395.7	431.1	469.2	511.9	556.4	603.1	649.9	700.4	750.3	797.9
55°	386.5	428.2	468.6	513.7	562.5	614.8	667.6	724.3	780.1	842.9	900.8
52.5°	414.5	459.9	507.3	558.9	616.0	675.0	736.8	801.9	871.3	941.1	1011.9
50°	441.8	493.0	545.7	607.5	671.3	738.7	810.2	886.0	966.7	1047.5	1133.2
47.5°	470.3	525.0	589.5	656.5	729.6	806.3	887.3	977.4	1067.1	1168.9	1267.2
45°	498.5	561.4	631.3	709.2	789.5	875.9	972.1	1071.1	1185.7	1300.6	1429.8
42.5°	525.5	598.1	677.0	760.2	851.6	950.9	1057.4	1181.8	1311.1	1453.3	1604.9
40°	556.6	633.1	722.0	815.1	914.1	1027.6	1155.7	1293.9	1451.6	1620.1	1792.3
37.5°	586.7	672.7	766.4	867.4	982.4	1110.2	1251.6	1421.0	1602.9	1794.5	2028.7
35°	615.0	710.3	812.2	922.8	1047.3	1195.3	1364.6	1551.8	1761.3	2008.5	2281.8
32.5°	645.0	746.0	855.4	979.5	1120.4	1282.1	1474.4	1694.7	1942.7	2224.1	2566.0
30°	675.2	782.7	898.2	1032.6	1189.3	1376.5	1594.9	1838.4	2123.7	2476.6	2878.1
27.5°	703.2	817.0	943.6	1088.8	1256.3	1463.5	1710.8	1996.2	2332.3	2731.2	3200.2
25°	728.9	848.2	985.2	1142.4	1330.2	1557.5	1825.6	2141.6	2541.0	3016.6	3593.6
22.5°	753.4	876.6	1022.9	1190.5	1396.9	1648.5	1950.1	2311.8	2753.3	3287.1	3978.9
20°	776.4	907.4	1060.3	1236.6	1456.4	1730.5	2064.7	2470.7	2973.1	3605.0	4356.9
17.5°	796.6	934.5	1095.6	1286.4	1522.7	1814.0	2172.7	2611.0	3168.8	3888.9	4705.6
15°	813.9	957.9	1126.2	1329.6	1582.4	1896.9	2286.1	2764.8	3372.8	4147.1	5011.8
12.5°	828.4	977.5	1151.9	1365.9	1632.6	1967.1	2383.0	2901.9	3571.6	4390.3	5280.7
10°	839.9	993.2	1172.6	1395.2	1673.1	2024.0	2462.8	3014.0	3737.0	4598.7	5508.1
7.5°	849.5	1005.5	1188.5	1417.4	1703.7	2067.5	2524.9	3100.5	3866.3	4763.8	5682.6
5°	856.4	1014.3	1200.6	1433.0	1726.2	2097.9	2568.3	3161.0	3958.2	4883.4	5801.9
2.5°	860.2	1019.1	1207.5	1441.3	1740.0	2115.1	2591.1	3199.0	4008.8	4951.7	5874.1
0°	861.0	1019.8	1209.2	1442.3	1743.9	2118.3	2594.7	3210.9	4019.5	4969.3	5900.3
-2.5°	860.2	1019.1	1207.5	1441.3	1740.0	2115.1	2591.1	3199.0	4008.8	4951.7	5874.1
-5°	856.4	1014.3	1200.6	1433.0	1726.2	2097.9	2568.3	3161.0	3958.2	4883.4	5801.9
-7.5°	849.5	1005.5	1188.5	1417.4	1703.7	2067.5	2524.9	3100.5	3866.3	4763.8	5682.6
-10°	839.9	993.2	1172.6	1395.2	1673.1	2024.0	2462.8	3014.0	3737.0	4598.7	5508.1
-12.5°	828.4	977.5	1151.9	1365.9	1632.6	1967.1	2383.0	2901.9	3571.6	4390.3	5280.7
-15°	813.9	957.9	1126.2	1329.6	1582.4	1896.9	2286.1	2764.8	3372.8	4147.1	5011.8
-17.5°	796.6	934.5	1095.6	1286.4	1522.7	1814.0	2172.7	2611.0	3168.8	3888.9	4705.6
-20°	776.4	907.4	1060.3	1236.6	1456.4	1730.5	2064.7	2470.7	2973.1	3605.0	4356.9

Classified

Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: P627383 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	753.4	876.6	1022.9	1190.5	1396.9	1648.5	1950.1	2311.8	2753.3	3287.1	3978.9
-25°	728.9	848.2	985.2	1142.4	1330.2	1557.5	1825.6	2141.6	2541.0	3016.6	3593.6
-27.5°	703.2	817.0	943.6	1088.8	1256.3	1463.5	1710.8	1996.2	2332.3	2731.2	3200.2
-30°	675.2	782.7	898.2	1032.6	1189.3	1376.5	1594.9	1838.4	2123.7	2476.6	2878.1
-32.5°	645.0	746.0	855.4	979.5	1120.4	1282.1	1474.4	1694.7	1942.7	2224.1	2566.0
-35°	615.0	710.3	812.2	922.8	1047.3	1195.3	1364.6	1551.8	1761.3	2008.5	2281.8
-37.5°	586.7	672.7	766.4	867.4	982.4	1110.2	1251.6	1421.0	1602.9	1794.5	2028.7
-40°	556.6	633.1	722.0	815.1	914.1	1027.6	1155.7	1293.9	1451.6	1620.1	1792.3
-42.5°	525.5	598.1	677.0	760.2	851.6	950.9	1057.4	1181.8	1311.1	1453.3	1604.9
-45°	498.5	561.4	631.3	709.2	789.5	875.9	972.1	1071.1	1185.7	1300.6	1429.8
-47.5°	470.3	525.0	589.5	656.5	729.6	806.3	887.3	977.4	1067.1	1168.9	1267.2
-50°	441.8	493.0	545.7	607.5	671.3	738.7	810.2	886.0	966.7	1047.5	1133.2
-52.5°	414.5	459.9	507.3	558.9	616.0	675.0	736.8	801.9	871.3	941.1	1011.9
-55°	386.5	428.2	468.6	513.7	562.5	614.8	667.6	724.3	780.1	842.9	900.8
-57.5°	360.2	395.7	431.1	469.2	511.9	556.4	603.1	649.9	700.4	750.3	797.9
-60°	335.0	363.7	394.4	427.1	461.3	500.3	539.2	580.7	622.9	664.2	706.2
-62.5°	308.7	331.8	357.1	386.0	415.7	444.3	477.5	512.4	547.7	581.9	615.9
-65°	277.6	298.0	318.5	342.5	369.9	392.7	417.4	444.6	474.9	502.1	527.0
-67.5°	245.2	263.3	280.0	296.5	317.6	337.8	357.8	378.7	401.8	426.0	447.5
-70°	210.2	228.0	242.9	256.3	267.9	280.5	296.6	312.6	330.9	354.0	375.1
-72.5°	174.8	190.8	204.9	217.0	224.6	230.3	238.0	247.3	264.7	287.8	308.2
-75°	141.2	153.8	166.4	177.3	182.0	182.4	181.9	185.0	202.2	225.7	246.5
-77.5°	109.1	119.5	129.2	138.1	140.7	140.3	138.7	135.9	148.9	169.0	189.9
-80°	78.6	85.1	92.7	99.8	101.4	100.7	98.6	95.0	105.3	119.8	135.5
-82.5°	51.3	55.7	59.9	63.9	64.3	63.2	61.3	59.0	66.8	76.2	86.1
-85°	26.3	26.3	28.5	30.5	31.4	31.5	30.9	29.5	33.4	37.8	42.5
-87.5°	13.1	13.1	12.9	12.6	12.0	11.3	10.4	9.3	9.7	10.0	10.4
-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: P627383 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	10.7	10.4	10.1	9.7	9.2	9.1	8.9	8.7	8.4	7.8	7.1
85°	47.4	48.4	49.0	49.3	49.3	50.9	52.4	53.7	54.9	49.8	44.1
82.5°	96.4	100.9	104.8	108.8	112.6	115.3	117.3	118.8	119.8	108.4	95.7
80°	151.7	161.1	169.0	176.5	183.7	185.5	185.5	184.4	182.4	166.9	149.4
77.5°	210.9	223.3	233.2	243.0	252.7	256.2	257.9	259.2	260.1	240.9	217.2
75°	264.7	279.5	293.3	306.1	317.9	324.2	327.9	330.9	333.3	314.0	288.6
72.5°	325.9	341.6	356.5	370.8	383.3	391.6	397.0	401.5	405.0	394.0	378.2
70°	393.3	409.5	425.3	440.1	454.3	465.5	474.3	481.9	488.2	489.4	488.8
67.5°	468.2	487.3	506.1	522.2	539.1	554.9	568.7	580.2	589.5	595.5	598.9
65°	552.2	581.0	606.7	628.4	646.6	667.7	686.2	700.4	710.4	718.0	724.5
62.5°	651.2	686.1	715.4	744.4	774.3	803.4	821.6	839.8	857.6	874.4	888.8
60°	746.4	784.8	824.5	861.5	895.8	927.3	959.9	988.8	1014.1	1035.3	1051.0
57.5°	848.0	894.6	939.7	986.7	1031.0	1072.3	1112.6	1149.8	1181.9	1209.0	1231.1
55°	958.1	1015.1	1068.8	1128.5	1186.4	1239.2	1287.7	1337.5	1382.3	1421.8	1453.1
52.5°	1076.9	1151.1	1222.2	1292.3	1367.2	1434.9	1495.4	1564.5	1625.7	1676.2	1715.6
50°	1218.8	1305.9	1399.8	1486.6	1581.2	1674.3	1760.2	1843.4	1924.7	1995.1	2052.0
47.5°	1380.3	1487.5	1603.8	1719.0	1836.4	1963.7	2077.3	2182.9	2296.6	2395.4	2474.6
45°	1559.8	1696.6	1837.0	1998.8	2147.9	2311.5	2462.9	2598.9	2760.2	2902.2	3016.6
42.5°	1759.0	1941.1	2125.8	2329.6	2527.4	2735.1	2955.7	3151.4	3365.3	3569.3	3734.1
40°	2005.8	2223.6	2470.9	2717.7	3001.5	3268.2	3589.6	3881.6	4146.8	4390.0	4589.3
37.5°	2280.1	2560.5	2871.2	3192.6	3581.1	3961.8	4338.0	4693.1	5006.6	5272.8	5496.1
35°	2591.6	2947.8	3324.2	3793.3	4248.5	4704.5	5129.4	5517.5	5858.5	6158.8	6414.2
32.5°	2949.8	3377.3	3904.2	4431.3	4950.5	5452.6	5919.0	6342.3	6716.3	7053.5	7347.2
30°	3326.5	3909.8	4501.1	5079.3	5646.4	6196.4	6708.3	7174.6	7597.1	7972.5	8310.8
27.5°	3805.0	4451.5	5096.3	5719.6	6343.5	6945.4	7500.2	8018.1	8503.0	8927.3	9314.0
25°	4267.9	4982.1	5667.5	6347.2	7026.2	7672.5	8292.9	8877.9	9433.2	9920.1	10351.9
22.5°	4730.8	5478.2	6210.7	6941.5	7671.0	8391.5	9088.0	9758.3	10379.3	10933.8	11419.8
20°	5159.4	5940.8	6724.2	7512.0	8302.7	9091.3	9873.6	10627.9	11319.8	11959.9	12522.5
17.5°	5543.7	6374.8	7205.3	8047.9	8905.1	9761.3	10630.3	11475.9	12266.9	12995.2	13647.9
15°	5884.1	6751.3	7643.2	8552.5	9472.9	10402.7	11351.0	12297.1	13187.5	14014.8	14743.4
12.5°	6181.7	7083.2	8018.0	8984.2	9983.2	10996.2	12031.0	13068.1	14053.8	15008.9	15795.6
10°	6427.2	7365.6	8342.6	9357.8	10411.3	11501.5	12611.8	13728.2	14814.1	15827.3	16726.9
7.5°	6616.8	7590.3	8597.2	9653.0	10758.2	11907.9	13084.1	14268.8	15427.6	16519.4	17514.8
5°	6750.6	7753.9	8773.4	9871.7	11015.4	12206.8	13429.2	14663.7	15875.2	17023.1	18054.8
2.5°	6828.2	7852.1	8876.0	10004.7	11168.3	12387.6	13643.1	14898.0	16141.4	17332.0	18392.2
0°	6848.7	7881.6	8934.9	10018.8	11216.3	12472.2	13682.8	14941.5	16233.8	17408.0	18464.2
-2.5°	6828.2	7852.1	8876.0	10004.7	11168.3	12387.6	13643.1	14898.0	16141.4	17332.0	18392.2
-5°	6750.6	7753.9	8773.4	9871.7	11015.4	12206.8	13429.2	14663.7	15875.2	17023.1	18054.8
-7.5°	6616.8	7590.3	8597.2	9653.0	10758.2	11907.9	13084.1	14268.8	15427.6	16519.4	17514.8
-10°	6427.2	7365.6	8342.6	9357.8	10411.3	11501.5	12611.8	13728.2	14814.1	15827.3	16726.9
-12.5°	6181.7	7083.2	8018.0	8984.2	9983.2	10996.2	12031.0	13068.1	14053.8	15008.9	15795.6
-15°	5884.1	6751.3	7643.2	8552.5	9472.9	10402.7	11351.0	12297.1	13187.5	14014.8	14743.4
-17.5°	5543.7	6374.8	7205.3	8047.9	8905.1	9761.3	10630.3	11475.9	12266.9	12995.2	13647.9
-20°	5159.4	5940.8	6724.2	7512.0	8302.7	9091.3	9873.6	10627.9	11319.8	11959.9	12522.5

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REPORT NUMBER: P627383 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4730.8	5478.2	6210.7	6941.5	7671.0	8391.5	9088.0	9758.3	10379.3	10933.8	11419.8
-25°	4267.9	4982.1	5667.5	6347.2	7026.2	7672.5	8292.9	8877.9	9433.2	9920.1	10351.9
-27.5°	3805.0	4451.5	5096.3	5719.6	6343.5	6945.4	7500.2	8018.1	8503.0	8927.3	9314.0
-30°	3326.5	3909.8	4501.1	5079.3	5646.4	6196.4	6708.3	7174.6	7597.1	7972.5	8310.8
-32.5°	2949.8	3377.3	3904.2	4431.3	4950.5	5452.6	5919.0	6342.3	6716.3	7053.5	7347.2
-35°	2591.6	2947.8	3324.2	3793.3	4248.5	4704.5	5129.4	5517.5	5858.5	6158.8	6414.2
-37.5°	2280.1	2560.5	2871.2	3192.6	3581.1	3961.8	4338.0	4693.1	5006.6	5272.8	5496.1
-40°	2005.8	2223.6	2470.9	2717.7	3001.5	3268.2	3589.6	3881.6	4146.8	4390.0	4589.3
-42.5°	1759.0	1941.1	2125.8	2329.6	2527.4	2735.1	2955.7	3151.4	3365.3	3569.3	3734.1
-45°	1559.8	1696.6	1837.0	1998.8	2147.9	2311.5	2462.9	2598.9	2760.2	2902.2	3016.6
-47.5°	1380.3	1487.5	1603.8	1719.0	1836.4	1963.7	2077.3	2182.9	2296.6	2395.4	2474.6
-50°	1218.8	1305.9	1399.8	1486.6	1581.2	1674.3	1760.2	1843.4	1924.7	1995.1	2052.0
-52.5°	1076.9	1151.1	1222.2	1292.3	1367.2	1434.9	1495.4	1564.5	1625.7	1676.2	1715.6
-55°	958.1	1015.1	1068.8	1128.5	1186.4	1239.2	1287.7	1337.5	1382.3	1421.8	1453.1
-57.5°	848.0	894.6	939.7	986.7	1031.0	1072.3	1112.6	1149.8	1181.9	1209.0	1231.1
-60°	746.4	784.8	824.5	861.5	895.8	927.3	959.9	988.8	1014.1	1035.3	1051.0
-62.5°	651.2	686.1	715.4	744.4	774.3	803.4	821.6	839.8	857.6	874.4	888.8
-65°	552.2	581.0	606.7	628.4	646.6	667.7	686.2	700.4	710.4	718.0	724.5
-67.5°	468.2	487.3	506.1	522.2	539.1	554.9	568.7	580.2	589.5	595.5	598.9
-70°	393.3	409.5	425.3	440.1	454.3	465.5	474.3	481.9	488.2	489.4	488.8
-72.5°	325.9	341.6	356.5	370.8	383.3	391.6	397.0	401.5	405.0	394.0	378.2
-75°	264.7	279.5	293.3	306.1	317.9	324.2	327.9	330.9	333.3	314.0	288.6
-77.5°	210.9	223.3	233.2	243.0	252.7	256.2	257.9	259.2	260.1	240.9	217.2
-80°	151.7	161.1	169.0	176.5	183.7	185.5	185.5	184.4	182.4	166.9	149.4
-82.5°	96.4	100.9	104.8	108.8	112.6	115.3	117.3	118.8	119.8	108.4	95.7
-85°	47.4	48.4	49.0	49.3	49.3	50.9	52.4	53.7	54.9	49.8	44.1
-87.5°	10.7	10.4	10.1	9.7	9.2	9.1	8.9	8.7	8.4	7.8	7.1
-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: P627383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-727-U-WR-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°	6.5	5.8	5.1	4.4	5.1	5.8	6.5	7.1	7.8	8.4	8.7
85°	38.2	31.9	31.3	30.6	31.3	31.9	38.2	44.1	49.8	54.9	53.7
82.5°	82.3	68.3	66.2	64.1	66.2	68.3	82.3	95.7	108.4	119.8	118.8
80°	131.1	112.1	108.4	104.9	108.4	112.1	131.1	149.4	166.9	182.4	184.4
77.5°	192.3	166.4	158.7	151.5	158.7	166.4	192.3	217.2	240.9	260.1	259.2
75°	262.3	235.0	225.8	217.1	225.8	235.0	262.3	288.6	314.0	333.3	330.9
72.5°	362.1	345.5	328.7	310.3	328.7	345.5	362.1	378.2	394.0	405.0	401.5
70°	488.3	487.2	482.9	476.4	482.9	487.2	488.3	488.8	489.4	488.2	481.9
67.5°	600.4	599.9	601.4	601.7	601.4	599.9	600.4	598.9	595.5	589.5	580.2
65°	728.5	729.9	733.0	734.3	733.0	729.9	728.5	724.5	718.0	710.4	700.4
62.5°	899.8	907.3	911.0	910.5	911.0	907.3	899.8	888.8	874.4	857.6	839.8
60°	1062.8	1070.6	1075.4	1076.6	1075.4	1070.6	1062.8	1051.0	1035.3	1014.1	988.8
57.5°	1248.6	1261.2	1267.9	1268.9	1267.9	1261.2	1248.6	1231.1	1209.0	1181.9	1149.8
55°	1477.1	1493.9	1501.4	1500.6	1501.4	1493.9	1477.1	1453.1	1421.8	1382.3	1337.5
52.5°	1745.4	1765.9	1781.2	1790.5	1781.2	1765.9	1745.4	1715.6	1676.2	1625.7	1564.5
50°	2094.8	2124.1	2142.7	2150.3	2142.7	2124.1	2094.8	2052.0	1995.1	1924.7	1843.4
47.5°	2531.8	2570.6	2599.4	2619.4	2599.4	2570.6	2531.8	2474.6	2395.4	2296.6	2182.9
45°	3101.1	3160.4	3200.5	3224.0	3200.5	3160.4	3101.1	3016.6	2902.2	2760.2	2598.9
42.5°	3862.8	3954.7	4011.0	4032.6	4011.0	3954.7	3862.8	3734.1	3569.3	3365.3	3151.4
40°	4746.7	4857.1	4929.5	4979.5	4929.5	4857.1	4746.7	4589.3	4390.0	4146.8	3881.6
37.5°	5667.4	5783.4	5853.8	5901.7	5853.8	5783.4	5667.4	5496.1	5272.8	5006.6	4693.1
35°	6606.7	6728.1	6794.2	6831.2	6794.2	6728.1	6606.7	6414.2	6158.8	5858.5	5517.5
32.5°	7571.0	7704.7	7776.6	7851.0	7776.6	7704.7	7571.0	7347.2	7053.5	6716.3	6342.3
30°	8578.2	8731.6	8806.8	8843.1	8806.8	8731.6	8578.2	8310.8	7972.5	7597.1	7174.6
27.5°	9626.1	9817.4	9911.6	9973.6	9911.6	9817.4	9626.1	9314.0	8927.3	8503.0	8018.1
25°	10716.6	10953.6	11061.5	11158.1	11061.5	10953.6	10716.6	10351.9	9920.1	9433.2	8877.9
22.5°	11848.0	12143.1	12268.1	12336.7	12268.1	12143.1	11848.0	11419.8	10933.8	10379.3	9758.3
20°	13008.9	13361.6	13535.1	13624.5	13535.1	13361.6	13008.9	12522.5	11959.9	11319.8	10627.9
17.5°	14196.0	14634.7	14859.4	14910.9	14859.4	14634.7	14196.0	13647.9	12995.2	12266.9	11475.9
15°	15361.4	15835.9	16101.5	16198.8	16101.5	15835.9	15361.4	14743.4	14014.8	13187.5	12297.1
12.5°	16465.1	16956.9	17274.2	17330.8	17274.2	16956.9	16465.1	15795.6	15008.9	14053.8	13068.1
10°	17466.1	17975.5	18326.1	18405.9	18326.1	17975.5	17466.1	16726.9	15827.3	14814.1	13728.2
7.5°	18302.9	18861.8	19249.1	19316.5	19249.1	18861.8	18302.9	17514.8	16519.4	15427.6	14268.8
5°	18915.1	19578.7	19896.6	19976.4	19896.6	19578.7	18915.1	18054.8	17023.1	15875.2	14663.7
2.5°	19251.0	19926.5	20368.3	20317.3	20368.3	19926.5	19251.0	18392.2	17332.0	16141.4	14898.0
0°	19288.8	19995.4	20417.9	20613.1	20417.9	19995.4	19288.8	18464.2	17408.0	16233.8	14941.5
-2.5°	19251.0	19926.5	20368.3	20317.3	20368.3	19926.5	19251.0	18392.2	17332.0	16141.4	14898.0
-5°	18915.1	19578.7	19896.6	19976.4	19896.6	19578.7	18915.1	18054.8	17023.1	15875.2	14663.7
-7.5°	18302.9	18861.8	19249.1	19316.5	19249.1	18861.8	18302.9	17514.8	16519.4	15427.6	14268.8
-10°	17466.1	17975.5	18326.1	18405.9	18326.1	17975.5	17466.1	16726.9	15827.3	14814.1	13728.2
-12.5°	16465.1	16956.9	17274.2	17330.8	17274.2	16956.9	16465.1	15795.6	15008.9	14053.8	13068.1
-15°	15361.4	15835.9	16101.5	16198.8	16101.5	15835.9	15361.4	14743.4	14014.8	13187.5	12297.1
-17.5°	14196.0	14634.7	14859.4	14910.9	14859.4	14634.7	14196.0	13647.9	12995.2	12266.9	11475.9
-20°	13008.9	13361.6	13535.1	13624.5	13535.1	13361.6	13008.9	12522.5	11959.9	11319.8	10627.9



REPORT NUMBER: P627383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-727-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11848.0	12143.1	12268.1	12336.7	12268.1	12143.1	11848.0	11419.8	10933.8	10379.3	9758.3
-25°	10716.6	10953.6	11061.5	11158.1	11061.5	10953.6	10716.6	10351.9	9920.1	9433.2	8877.9
-27.5°	9626.1	9817.4	9911.6	9973.6	9911.6	9817.4	9626.1	9314.0	8927.3	8503.0	8018.1
-30°	8578.2	8731.6	8806.8	8843.1	8806.8	8731.6	8578.2	8310.8	7972.5	7597.1	7174.6
-32.5°	7571.0	7704.7	7776.6	7851.0	7776.6	7704.7	7571.0	7347.2	7053.5	6716.3	6342.3
-35°	6606.7	6728.1	6794.2	6831.2	6794.2	6728.1	6606.7	6414.2	6158.8	5858.5	5517.5
-37.5°	5667.4	5783.4	5853.8	5901.7	5853.8	5783.4	5667.4	5496.1	5272.8	5006.6	4693.1
-40°	4746.7	4857.1	4929.5	4979.5	4929.5	4857.1	4746.7	4589.3	4390.0	4146.8	3881.6
-42.5°	3862.8	3954.7	4011.0	4032.6	4011.0	3954.7	3862.8	3734.1	3569.3	3365.3	3151.4
-45°	3101.1	3160.4	3200.5	3224.0	3200.5	3160.4	3101.1	3016.6	2902.2	2760.2	2598.9
-47.5°	2531.8	2570.6	2599.4	2619.4	2599.4	2570.6	2531.8	2474.6	2395.4	2296.6	2182.9
-50°	2094.8	2124.1	2142.7	2150.3	2142.7	2124.1	2094.8	2052.0	1995.1	1924.7	1843.4
-52.5°	1745.4	1765.9	1781.2	1790.5	1781.2	1765.9	1745.4	1715.6	1676.2	1625.7	1564.5
-55°	1477.1	1493.9	1501.4	1500.6	1501.4	1493.9	1477.1	1453.1	1421.8	1382.3	1337.5
-57.5°	1248.6	1261.2	1267.9	1268.9	1267.9	1261.2	1248.6	1231.1	1209.0	1181.9	1149.8
-60°	1062.8	1070.6	1075.4	1076.6	1075.4	1070.6	1062.8	1051.0	1035.3	1014.1	988.8
-62.5°	899.8	907.3	911.0	910.5	911.0	907.3	899.8	888.8	874.4	857.6	839.8
-65°	728.5	729.9	733.0	734.3	733.0	729.9	728.5	724.5	718.0	710.4	700.4
-67.5°	600.4	599.9	601.4	601.7	601.4	599.9	600.4	598.9	595.5	589.5	580.2
-70°	488.3	487.2	482.9	476.4	482.9	487.2	488.3	488.8	489.4	488.2	481.9
-72.5°	362.1	345.5	328.7	310.3	328.7	345.5	362.1	378.2	394.0	405.0	401.5
-75°	262.3	235.0	225.8	217.1	225.8	235.0	262.3	288.6	314.0	333.3	330.9
-77.5°	192.3	166.4	158.7	151.5	158.7	166.4	192.3	217.2	240.9	260.1	259.2
-80°	131.1	112.1	108.4	104.9	108.4	112.1	131.1	149.4	166.9	182.4	184.4
-82.5°	82.3	68.3	66.2	64.1	66.2	68.3	82.3	95.7	108.4	119.8	118.8
-85°	38.2	31.9	31.3	30.6	31.3	31.9	38.2	44.1	49.8	54.9	53.7
-87.5°	6.5	5.8	5.1	4.4	5.1	5.8	6.5	7.1	7.8	8.4	8.7
-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: P627383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-727-U-WR-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°	8.9	9.1	9.2	9.7	10.1	10.4	10.7	10.4	10.0	9.7	9.3
85°	52.4	50.9	49.3	49.3	49.0	48.4	47.4	42.5	37.8	33.4	29.5
82.5°	117.3	115.3	112.6	108.8	104.8	100.9	96.4	86.1	76.2	66.8	59.0
80°	185.5	185.5	183.7	176.5	169.0	161.1	151.7	135.5	119.8	105.3	95.0
77.5°	257.9	256.2	252.7	243.0	233.2	223.3	210.9	189.9	169.0	148.9	135.9
75°	327.9	324.2	317.9	306.1	293.3	279.5	264.7	246.5	225.7	202.2	185.0
72.5°	397.0	391.6	383.3	370.8	356.5	341.6	325.9	308.2	287.8	264.7	247.3
70°	474.3	465.5	454.3	440.1	425.3	409.5	393.3	375.1	354.0	330.9	312.6
67.5°	568.7	554.9	539.1	522.2	506.1	487.3	468.2	447.5	426.0	401.8	378.7
65°	686.2	667.7	646.6	628.4	606.7	581.0	552.2	527.0	502.1	474.9	444.6
62.5°	821.6	803.4	774.3	744.4	715.4	686.1	651.2	615.9	581.9	547.7	512.4
60°	959.9	927.3	895.8	861.5	824.5	784.8	746.4	706.2	664.2	622.9	580.7
57.5°	1112.6	1072.3	1031.0	986.7	939.7	894.6	848.0	797.9	750.3	700.4	649.9
55°	1287.7	1239.2	1186.4	1128.5	1068.8	1015.1	958.1	900.8	842.9	780.1	724.3
52.5°	1495.4	1434.9	1367.2	1292.3	1222.2	1151.1	1076.9	1011.9	941.1	871.3	801.9
50°	1760.2	1674.3	1581.2	1486.6	1399.8	1305.9	1218.8	1133.2	1047.5	966.7	886.0
47.5°	2077.3	1963.7	1836.4	1719.0	1603.8	1487.5	1380.3	1267.2	1168.9	1067.1	977.4
45°	2462.9	2311.5	2147.9	1998.8	1837.0	1696.6	1559.8	1429.8	1300.6	1185.7	1071.1
42.5°	2955.7	2735.1	2527.4	2329.6	2125.8	1941.1	1759.0	1604.9	1453.3	1311.1	1181.8
40°	3589.6	3268.2	3001.5	2717.7	2470.9	2223.6	2005.8	1792.3	1620.1	1451.6	1293.9
37.5°	4338.0	3961.8	3581.1	3192.6	2871.2	2560.5	2280.1	2028.7	1794.5	1602.9	1421.0
35°	5129.4	4704.5	4248.5	3793.3	3324.2	2947.8	2591.6	2281.8	2008.5	1761.3	1551.8
32.5°	5919.0	5452.6	4950.5	4431.3	3904.2	3377.3	2949.8	2566.0	2224.1	1942.7	1694.7
30°	6708.3	6196.4	5646.4	5079.3	4501.1	3909.8	3326.5	2878.1	2476.6	2123.7	1838.4
27.5°	7500.2	6945.4	6343.5	5719.6	5096.3	4451.5	3805.0	3200.2	2731.2	2332.3	1996.2
25°	8292.9	7672.5	7026.2	6347.2	5667.5	4982.1	4267.9	3593.6	3016.6	2541.0	2141.6
22.5°	9088.0	8391.5	7671.0	6941.5	6210.7	5478.2	4730.8	3978.9	3287.1	2753.3	2311.8
20°	9873.6	9091.3	8302.7	7512.0	6724.2	5940.8	5159.4	4356.9	3605.0	2973.1	2470.7
17.5°	10630.3	9761.3	8905.1	8047.9	7205.3	6374.8	5543.7	4705.6	3888.9	3168.8	2611.0
15°	11351.0	10402.7	9472.9	8552.5	7643.2	6751.3	5884.1	5011.8	4147.1	3372.8	2764.8
12.5°	12031.0	10996.2	9983.2	8984.2	8018.0	7083.2	6181.7	5280.7	4390.3	3571.6	2901.9
10°	12611.8	11501.5	10411.3	9357.8	8342.6	7365.6	6427.2	5508.1	4598.7	3737.0	3014.0
7.5°	13084.1	11907.9	10758.2	9653.0	8597.2	7590.3	6616.8	5682.6	4763.8	3866.3	3100.5
5°	13429.2	12206.8	11015.4	9871.7	8773.4	7753.9	6750.6	5801.9	4883.4	3958.2	3161.0
2.5°	13643.1	12387.6	11168.3	10004.7	8876.0	7852.1	6828.2	5874.1	4951.7	4008.8	3199.0
0°	13682.8	12472.2	11216.3	10018.8	8934.9	7881.6	6848.7	5900.3	4969.3	4019.5	3210.9
-2.5°	13643.1	12387.6	11168.3	10004.7	8876.0	7852.1	6828.2	5874.1	4951.7	4008.8	3199.0
-5°	13429.2	12206.8	11015.4	9871.7	8773.4	7753.9	6750.6	5801.9	4883.4	3958.2	3161.0
-7.5°	13084.1	11907.9	10758.2	9653.0	8597.2	7590.3	6616.8	5682.6	4763.8	3866.3	3100.5
-10°	12611.8	11501.5	10411.3	9357.8	8342.6	7365.6	6427.2	5508.1	4598.7	3737.0	3014.0
-12.5°	12031.0	10996.2	9983.2	8984.2	8018.0	7083.2	6181.7	5280.7	4390.3	3571.6	2901.9
-15°	11351.0	10402.7	9472.9	8552.5	7643.2	6751.3	5884.1	5011.8	4147.1	3372.8	2764.8
-17.5°	10630.3	9761.3	8905.1	8047.9	7205.3	6374.8	5543.7	4705.6	3888.9	3168.8	2611.0
-20°	9873.6	9091.3	8302.7	7512.0	6724.2	5940.8	5159.4	4356.9	3605.0	2973.1	2470.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627383 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9088.0	8391.5	7671.0	6941.5	6210.7	5478.2	4730.8	3978.9	3287.1	2753.3	2311.8
-25°	8292.9	7672.5	7026.2	6347.2	5667.5	4982.1	4267.9	3593.6	3016.6	2541.0	2141.6
-27.5°	7500.2	6945.4	6343.5	5719.6	5096.3	4451.5	3805.0	3200.2	2731.2	2332.3	1996.2
-30°	6708.3	6196.4	5646.4	5079.3	4501.1	3909.8	3326.5	2878.1	2476.6	2123.7	1838.4
-32.5°	5919.0	5452.6	4950.5	4431.3	3904.2	3377.3	2949.8	2566.0	2224.1	1942.7	1694.7
-35°	5129.4	4704.5	4248.5	3793.3	3324.2	2947.8	2591.6	2281.8	2008.5	1761.3	1551.8
-37.5°	4338.0	3961.8	3581.1	3192.6	2871.2	2560.5	2280.1	2028.7	1794.5	1602.9	1421.0
-40°	3589.6	3268.2	3001.5	2717.7	2470.9	2223.6	2005.8	1792.3	1620.1	1451.6	1293.9
-42.5°	2955.7	2735.1	2527.4	2329.6	2125.8	1941.1	1759.0	1604.9	1453.3	1311.1	1181.8
-45°	2462.9	2311.5	2147.9	1998.8	1837.0	1696.6	1559.8	1429.8	1300.6	1185.7	1071.1
-47.5°	2077.3	1963.7	1836.4	1719.0	1603.8	1487.5	1380.3	1267.2	1168.9	1067.1	977.4
-50°	1760.2	1674.3	1581.2	1486.6	1399.8	1305.9	1218.8	1133.2	1047.5	966.7	886.0
-52.5°	1495.4	1434.9	1367.2	1292.3	1222.2	1151.1	1076.9	1011.9	941.1	871.3	801.9
-55°	1287.7	1239.2	1186.4	1128.5	1068.8	1015.1	958.1	900.8	842.9	780.1	724.3
-57.5°	1112.6	1072.3	1031.0	986.7	939.7	894.6	848.0	797.9	750.3	700.4	649.9
-60°	959.9	927.3	895.8	861.5	824.5	784.8	746.4	706.2	664.2	622.9	580.7
-62.5°	821.6	803.4	774.3	744.4	715.4	686.1	651.2	615.9	581.9	547.7	512.4
-65°	686.2	667.7	646.6	628.4	606.7	581.0	552.2	527.0	502.1	474.9	444.6
-67.5°	568.7	554.9	539.1	522.2	506.1	487.3	468.2	447.5	426.0	401.8	378.7
-70°	474.3	465.5	454.3	440.1	425.3	409.5	393.3	375.1	354.0	330.9	312.6
-72.5°	397.0	391.6	383.3	370.8	356.5	341.6	325.9	308.2	287.8	264.7	247.3
-75°	327.9	324.2	317.9	306.1	293.3	279.5	264.7	246.5	225.7	202.2	185.0
-77.5°	257.9	256.2	252.7	243.0	233.2	223.3	210.9	189.9	169.0	148.9	135.9
-80°	185.5	185.5	183.7	176.5	169.0	161.1	151.7	135.5	119.8	105.3	95.0
-82.5°	117.3	115.3	112.6	108.8	104.8	100.9	96.4	86.1	76.2	66.8	59.0
-85°	52.4	50.9	49.3	49.3	49.0	48.4	47.4	42.5	37.8	33.4	29.5
-87.5°	8.9	9.1	9.2	9.7	10.1	10.4	10.7	10.4	10.0	9.7	9.3
-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: P627383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-727-U-WR-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°	10.4	11.3	12.0	12.6	12.9	13.1	13.1	12.9	12.4	11.7	10.8
85°	30.9	31.5	31.4	30.5	28.5	26.3	26.3	25.9	24.8	23.4	21.7
82.5°	61.3	63.2	64.3	63.9	59.9	55.7	51.3	46.6	41.6	35.9	32.6
80°	98.6	100.7	101.4	99.8	92.7	85.1	78.6	71.8	65.2	57.7	49.4
77.5°	138.7	140.3	140.7	138.1	129.2	119.5	109.1	98.2	88.9	79.6	69.2
75°	181.9	182.4	182.0	177.3	166.4	153.8	141.2	127.7	114.1	101.4	89.0
72.5°	238.0	230.3	224.6	217.0	204.9	190.8	174.8	156.7	139.5	123.3	108.3
70°	296.6	280.5	267.9	256.3	242.9	228.0	210.2	187.5	164.5	144.9	126.6
67.5°	357.8	337.8	317.6	296.5	280.0	263.3	245.2	217.9	190.3	166.0	144.5
65°	417.4	392.7	369.9	342.5	318.5	298.0	277.6	246.7	215.2	186.8	162.0
62.5°	477.5	444.3	415.7	386.0	357.1	331.8	308.7	273.5	239.1	206.8	178.6
60°	539.2	500.3	461.3	427.1	394.4	363.7	335.0	299.5	262.2	225.9	194.4
57.5°	603.1	556.4	511.9	469.2	431.1	395.7	360.2	323.5	284.5	245.2	208.6
55°	667.6	614.8	562.5	513.7	468.6	428.2	386.5	346.4	305.9	264.1	219.9
52.5°	736.8	675.0	616.0	558.9	507.3	459.9	414.5	368.8	326.3	282.2	232.2
50°	810.2	738.7	671.3	607.5	545.7	493.0	441.8	393.4	346.2	299.6	243.7
47.5°	887.3	806.3	729.6	656.5	589.5	525.0	470.3	417.5	365.5	316.9	254.2
45°	972.1	875.9	789.5	709.2	631.3	561.4	498.5	440.8	386.4	329.3	263.7
42.5°	1057.4	950.9	851.6	760.2	677.0	598.1	525.5	465.0	406.6	340.6	273.0
40°	1155.7	1027.6	914.1	815.1	722.0	633.1	556.6	488.3	425.3	351.9	282.0
37.5°	1251.6	1110.2	982.4	867.4	766.4	672.7	586.7	510.5	440.1	364.1	290.1
35°	1364.6	1195.3	1047.3	922.8	812.2	710.3	615.0	533.2	456.4	375.9	297.4
32.5°	1474.4	1282.1	1120.4	979.5	855.4	746.0	645.0	556.4	472.9	387.1	303.7
30°	1594.9	1376.5	1189.3	1032.6	898.2	782.7	675.2	578.2	489.5	397.7	309.9
27.5°	1710.8	1463.5	1256.3	1088.8	943.6	817.0	703.2	598.7	506.3	408.7	317.6
25°	1825.6	1557.5	1330.2	1142.4	985.2	848.2	728.9	617.8	522.7	421.0	324.5
22.5°	1950.1	1648.5	1396.9	1190.5	1022.9	876.6	753.4	638.8	537.7	432.8	330.5
20°	2064.7	1730.5	1456.4	1236.6	1060.3	907.4	776.4	657.5	551.3	443.9	335.6
17.5°	2172.7	1814.0	1522.7	1286.4	1095.6	934.5	796.6	673.9	563.2	454.1	339.7
15°	2286.1	1896.9	1582.4	1329.6	1126.2	957.9	813.9	688.1	573.5	463.3	343.6
12.5°	2383.0	1967.1	1632.6	1365.9	1151.9	977.5	828.4	699.9	582.1	471.1	347.1
10°	2462.8	2024.0	1673.1	1395.2	1172.6	993.2	839.9	709.4	589.3	477.1	349.1
7.5°	2524.9	2067.5	1703.7	1417.4	1188.5	1005.5	849.5	716.8	594.8	481.4	349.5
5°	2568.3	2097.9	1726.2	1433.0	1200.6	1014.3	856.4	721.8	598.5	483.7	348.5
2.5°	2591.1	2115.1	1740.0	1441.3	1207.5	1019.1	860.2	724.2	600.4	484.0	346.1
0°	2594.7	2118.3	1743.9	1442.3	1209.2	1019.8	861.0	724.1	600.2	482.2	342.4
-2.5°	2591.1	2115.1	1740.0	1441.3	1207.5	1019.1	860.2	724.2	600.4	484.0	346.1
-5°	2568.3	2097.9	1726.2	1433.0	1200.6	1014.3	856.4	721.8	598.5	483.7	348.5
-7.5°	2524.9	2067.5	1703.7	1417.4	1188.5	1005.5	849.5	716.8	594.8	481.4	349.5
-10°	2462.8	2024.0	1673.1	1395.2	1172.6	993.2	839.9	709.4	589.3	477.1	349.1
-12.5°	2383.0	1967.1	1632.6	1365.9	1151.9	977.5	828.4	699.9	582.1	471.1	347.1
-15°	2286.1	1896.9	1582.4	1329.6	1126.2	957.9	813.9	688.1	573.5	463.3	343.6
-17.5°	2172.7	1814.0	1522.7	1286.4	1095.6	934.5	796.6	673.9	563.2	454.1	339.7
-20°	2064.7	1730.5	1456.4	1236.6	1060.3	907.4	776.4	657.5	551.3	443.9	335.6

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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°	1950.1	1648.5	1396.9	1190.5	1022.9	876.6	753.4	638.8	537.7	432.8	330.5
-25°	1825.6	1557.5	1330.2	1142.4	985.2	848.2	728.9	617.8	522.7	421.0	324.5
-27.5°	1710.8	1463.5	1256.3	1088.8	943.6	817.0	703.2	598.7	506.3	408.7	317.6
-30°	1594.9	1376.5	1189.3	1032.6	898.2	782.7	675.2	578.2	489.5	397.7	309.9
-32.5°	1474.4	1282.1	1120.4	979.5	855.4	746.0	645.0	556.4	472.9	387.1	303.7
-35°	1364.6	1195.3	1047.3	922.8	812.2	710.3	615.0	533.2	456.4	375.9	297.4
-37.5°	1251.6	1110.2	982.4	867.4	766.4	672.7	586.7	510.5	440.1	364.1	290.1
-40°	1155.7	1027.6	914.1	815.1	722.0	633.1	556.6	488.3	425.3	351.9	282.0
-42.5°	1057.4	950.9	851.6	760.2	677.0	598.1	525.5	465.0	406.6	340.6	273.0
-45°	972.1	875.9	789.5	709.2	631.3	561.4	498.5	440.8	386.4	329.3	263.7
-47.5°	887.3	806.3	729.6	656.5	589.5	525.0	470.3	417.5	365.5	316.9	254.2
-50°	810.2	738.7	671.3	607.5	545.7	493.0	441.8	393.4	346.2	299.6	243.7
-52.5°	736.8	675.0	616.0	558.9	507.3	459.9	414.5	368.8	326.3	282.2	232.2
-55°	667.6	614.8	562.5	513.7	468.6	428.2	386.5	346.4	305.9	264.1	219.9
-57.5°	603.1	556.4	511.9	469.2	431.1	395.7	360.2	323.5	284.5	245.2	208.6
-60°	539.2	500.3	461.3	427.1	394.4	363.7	335.0	299.5	262.2	225.9	194.4
-62.5°	477.5	444.3	415.7	386.0	357.1	331.8	308.7	273.5	239.1	206.8	178.6
-65°	417.4	392.7	369.9	342.5	318.5	298.0	277.6	246.7	215.2	186.8	162.0
-67.5°	357.8	337.8	317.6	296.5	280.0	263.3	245.2	217.9	190.3	166.0	144.5
-70°	296.6	280.5	267.9	256.3	242.9	228.0	210.2	187.5	164.5	144.9	126.6
-72.5°	238.0	230.3	224.6	217.0	204.9	190.8	174.8	156.7	139.5	123.3	108.3
-75°	181.9	182.4	182.0	177.3	166.4	153.8	141.2	127.7	114.1	101.4	89.0
-77.5°	138.7	140.3	140.7	138.1	129.2	119.5	109.1	98.2	88.9	79.6	69.2
-80°	98.6	100.7	101.4	99.8	92.7	85.1	78.6	71.8	65.2	57.7	49.4
-82.5°	61.3	63.2	64.3	63.9	59.9	55.7	51.3	46.6	41.6	35.9	32.6
-85°	30.9	31.5	31.4	30.5	28.5	26.3	26.3	25.9	24.8	23.4	21.7
-87.5°	10.4	11.3	12.0	12.6	12.9	13.1	13.1	12.9	12.4	11.7	10.8
-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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REPORT NUMBER: P627383 (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°	9.8	7.6	5.7	3.9	2.4	1.0	0.0
85°	19.6	15.3	11.4	7.9	4.8	2.1	0.0
82.5°	29.3	22.8	17.0	11.8	7.2	3.1	0.0
80°	39.7	30.3	22.6	15.7	9.6	4.2	0.0
77.5°	56.7	39.4	28.1	19.5	11.9	5.2	0.0
75°	73.2	51.5	34.0	23.2	14.2	6.2	0.0
72.5°	89.2	63.2	42.1	26.9	16.4	7.2	0.0
70°	104.3	74.5	49.9	30.7	18.6	8.1	0.0
67.5°	117.5	85.3	57.4	35.5	20.8	9.1	0.0
65°	130.0	95.2	64.5	40.1	22.8	10.0	0.0
62.5°	141.8	104.2	71.2	44.4	24.8	10.9	0.0
60°	152.8	112.7	77.5	48.5	26.7	11.8	0.0
57.5°	162.8	120.6	83.3	52.3	29.0	12.6	0.0
55°	172.0	127.9	88.7	55.8	31.2	13.4	0.0
52.5°	180.5	134.6	93.7	59.0	33.4	14.2	0.0
50°	188.1	140.7	98.2	61.9	35.4	14.9	0.0
47.5°	195.2	146.2	102.3	64.6	37.4	15.6	0.0
45°	203.2	151.1	105.9	67.2	39.2	16.2	0.0
42.5°	210.4	155.4	108.9	69.5	41.0	16.9	0.0
40°	216.6	159.0	111.7	72.1	42.6	17.4	0.0
37.5°	222.0	161.9	114.2	74.7	44.1	17.9	0.0
35°	226.4	165.2	116.2	77.1	45.5	18.4	0.0
32.5°	230.5	168.4	117.7	79.2	46.8	18.9	0.0
30°	235.0	170.8	118.8	81.2	48.0	19.2	0.0
27.5°	238.7	172.5	121.3	82.9	49.1	19.6	0.0
25°	241.6	173.6	123.8	84.4	50.0	19.9	0.0
22.5°	243.6	175.0	125.9	85.7	50.8	20.1	0.0
20°	244.8	178.1	127.8	86.8	51.5	20.3	0.0
17.5°	247.6	180.7	129.3	87.6	52.0	20.5	0.0
15°	250.9	182.8	130.5	88.3	52.5	20.6	0.0
12.5°	253.2	184.3	131.4	88.6	52.8	20.7	0.0
10°	254.7	185.2	132.0	88.8	52.9	20.7	0.0
7.5°	255.3	185.6	132.3	88.8	53.0	20.7	0.0
5°	255.1	185.5	132.2	88.5	52.9	20.6	0.0
2.5°	253.9	184.8	131.8	88.1	52.7	20.5	0.0
0°	252.0	183.6	131.1	87.4	52.4	20.4	0.0
-2.5°	253.9	184.8	131.8	88.1	52.7	20.5	0.0
-5°	255.1	185.5	132.2	88.5	52.9	20.6	0.0
-7.5°	255.3	185.6	132.3	88.8	53.0	20.7	0.0
-10°	254.7	185.2	132.0	88.8	52.9	20.7	0.0
-12.5°	253.2	184.3	131.4	88.6	52.8	20.7	0.0
-15°	250.9	182.8	130.5	88.3	52.5	20.6	0.0
-17.5°	247.6	180.7	129.3	87.6	52.0	20.5	0.0
-20°	244.8	178.1	127.8	86.8	51.5	20.3	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	243.6	175.0	125.9	85.7	50.8	20.1	0.0
-25°	241.6	173.6	123.8	84.4	50.0	19.9	0.0
-27.5°	238.7	172.5	121.3	82.9	49.1	19.6	0.0
-30°	235.0	170.8	118.8	81.2	48.0	19.2	0.0
-32.5°	230.5	168.4	117.7	79.2	46.8	18.9	0.0
-35°	226.4	165.2	116.2	77.1	45.5	18.4	0.0
-37.5°	222.0	161.9	114.2	74.7	44.1	17.9	0.0
-40°	216.6	159.0	111.7	72.1	42.6	17.4	0.0
-42.5°	210.4	155.4	108.9	69.5	41.0	16.9	0.0
-45°	203.2	151.1	105.9	67.2	39.2	16.2	0.0
-47.5°	195.2	146.2	102.3	64.6	37.4	15.6	0.0
-50°	188.1	140.7	98.2	61.9	35.4	14.9	0.0
-52.5°	180.5	134.6	93.7	59.0	33.4	14.2	0.0
-55°	172.0	127.9	88.7	55.8	31.2	13.4	0.0
-57.5°	162.8	120.6	83.3	52.3	29.0	12.6	0.0
-60°	152.8	112.7	77.5	48.5	26.7	11.8	0.0
-62.5°	141.8	104.2	71.2	44.4	24.8	10.9	0.0
-65°	130.0	95.2	64.5	40.1	22.8	10.0	0.0
-67.5°	117.5	85.3	57.4	35.5	20.8	9.1	0.0
-70°	104.3	74.5	49.9	30.7	18.6	8.1	0.0
-72.5°	89.2	63.2	42.1	26.9	16.4	7.2	0.0
-75°	73.2	51.5	34.0	23.2	14.2	6.2	0.0
-77.5°	56.7	39.4	28.1	19.5	11.9	5.2	0.0
-80°	39.7	30.3	22.6	15.7	9.6	4.2	0.0
-82.5°	29.3	22.8	17.0	11.8	7.2	3.1	0.0
-85°	19.6	15.3	11.4	7.9	4.8	2.1	0.0
-87.5°	9.8	7.6	5.7	3.9	2.4	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)