

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627753 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-730-U-WR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627753 (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: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5E-730-U-WR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N119
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

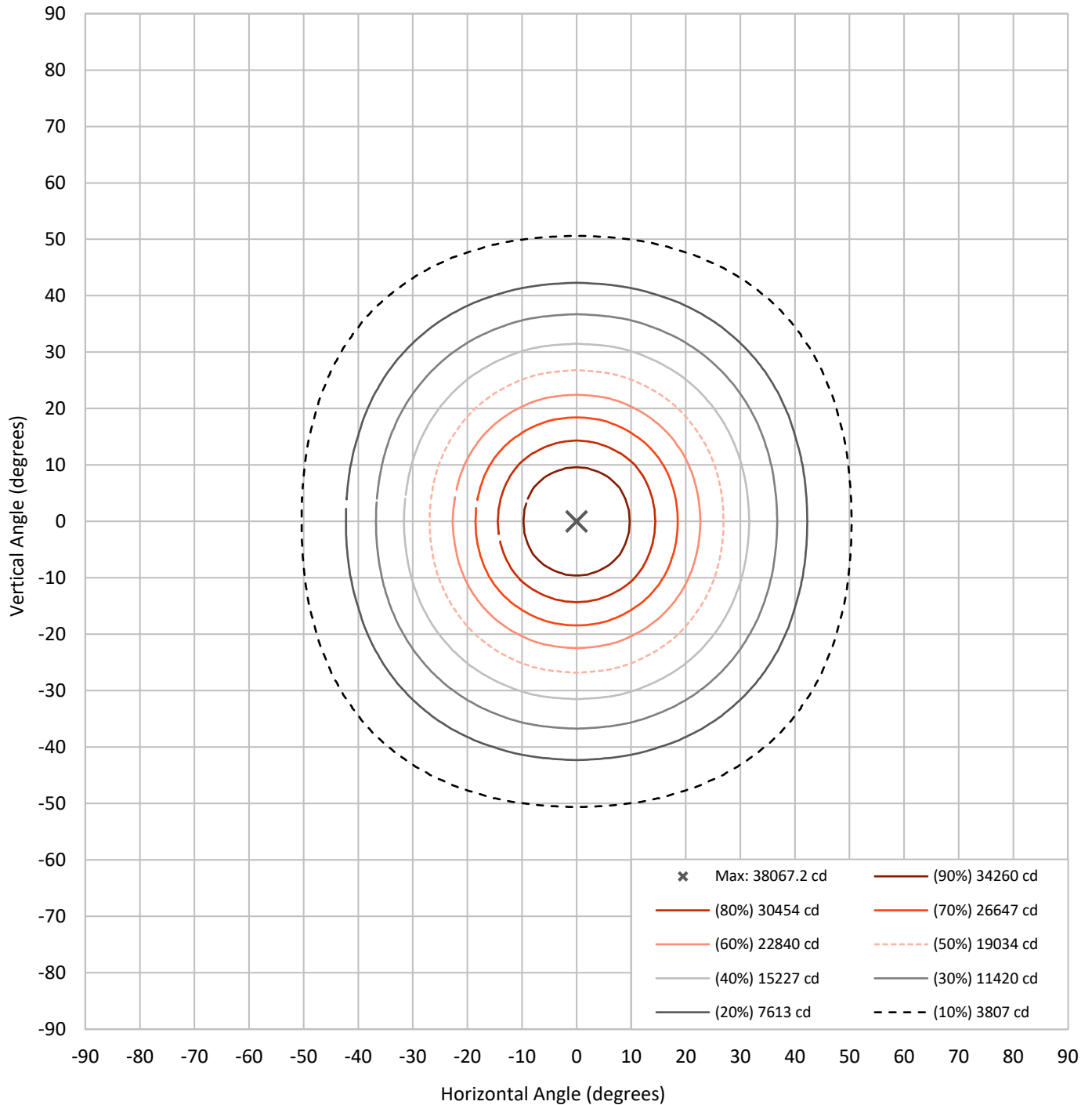
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	38743.5 lumens	Max Intensity:	38067.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	123.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	18524.8 lumens	Field Lumens:	34192.5 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	313.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





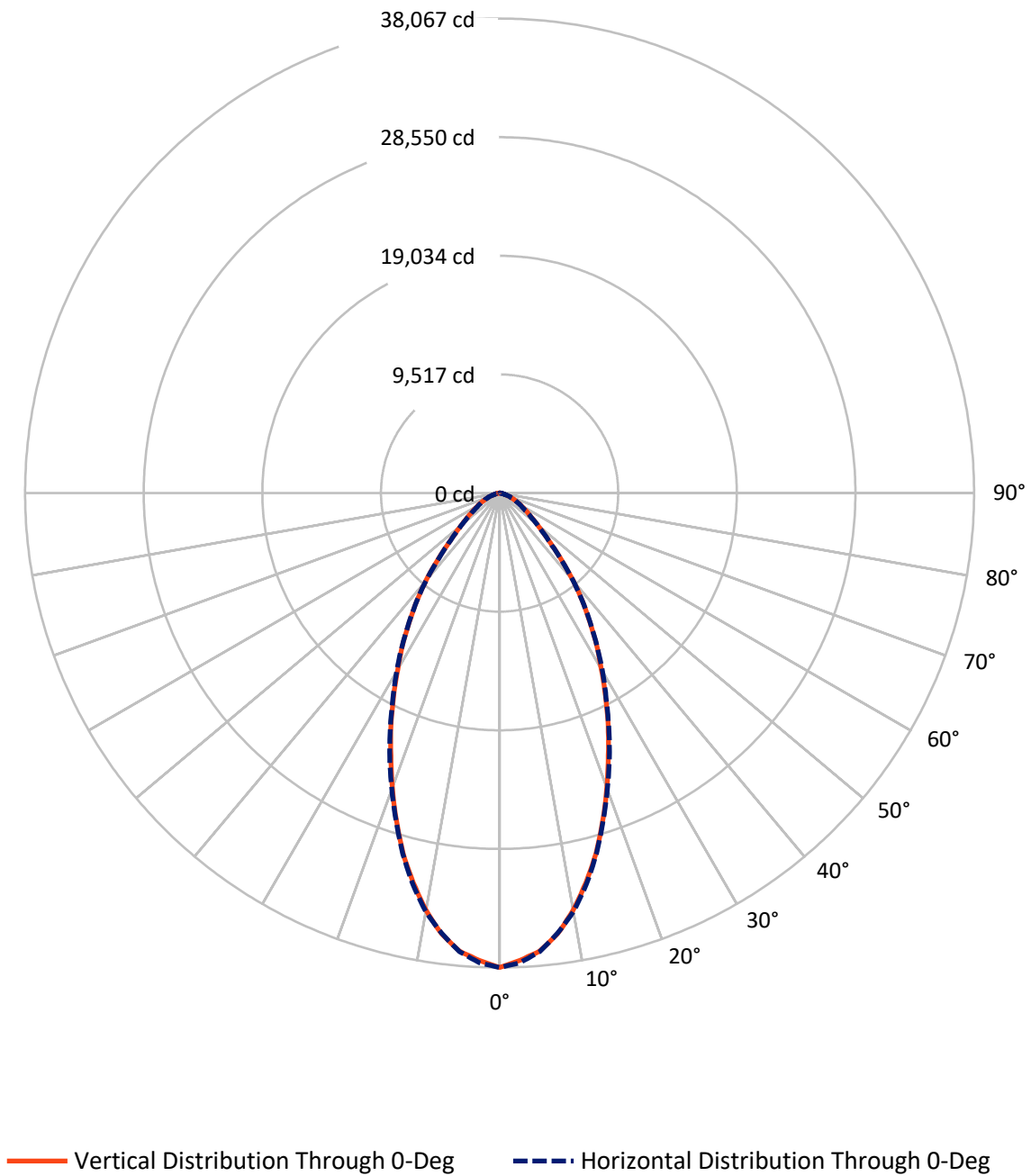
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Lumen Table

90																
80	1.5	10.7		24.4		40.5		34.7		40.5		24.4		10.7		1.5
70																
60	5.0	5.9	11.1	17.8	25.8	33.5	39.4	42.1	42.1	39.4	33.5	25.8	17.8	11.1	5.9	5.0
50		8.3	16.8	29.1	44.6	61.3	76.5	85.3	85.3	76.5	61.3	44.6	29.1	16.8	8.3	
40	7.4	10.7	23.2	43.4	73.2	112.5	155.0	183.4	183.4	155.0	112.5	73.2	43.4	23.2	10.7	7.4
30		13.0	30.4	63.1	122.8	218.0	316.8	375.8	375.8	316.8	218.0	122.8	63.1	30.4	13.0	
20	8.8	15.1	37.9	88.3	198.5	356.8	510.6	610.3	610.3	510.6	356.8	198.5	88.3	37.9	15.1	8.8
10		16.8	44.4	114.5	270.9	481.8	711.4	875.2	875.2	711.4	481.8	270.9	114.5	44.4	16.8	
0	9.2	17.7	48.1	131.5	311.9	560.2	852.5	1072.0	1072.0	852.5	560.2	311.9	131.5	48.1	17.7	9.2
-10		17.7	48.1	131.5	311.9	560.2	852.5	1072.0	1072.0	852.5	560.2	311.9	131.5	48.1	17.7	
-20	8.8	16.8	44.4	114.5	270.9	481.8	711.4	875.2	875.2	711.4	481.8	270.9	114.5	44.4	16.8	8.8
-30		15.1	37.9	88.3	198.5	356.8	510.6	610.3	610.3	510.6	356.8	198.5	88.3	37.9	15.1	
-40	7.4	13.0	30.4	63.1	122.8	218.0	316.8	375.8	375.8	316.8	218.0	122.8	63.1	30.4	13.0	7.4
-50		10.7	23.2	43.4	73.2	112.5	155.0	183.4	183.4	155.0	112.5	73.2	43.4	23.2	10.7	
-60	5.0	8.3	16.8	29.1	44.6	61.3	76.5	85.3	85.3	76.5	61.3	44.6	29.1	16.8	8.3	5.0
-70		5.9	11.1	17.8	25.8	33.5	39.4	42.1	42.1	39.4	33.5	25.8	17.8	11.1	5.9	
-80																
-90	1.5	10.7		24.4		40.5		34.7		40.5		24.4		10.7		1.5
Horizontal Angle (degrees)																

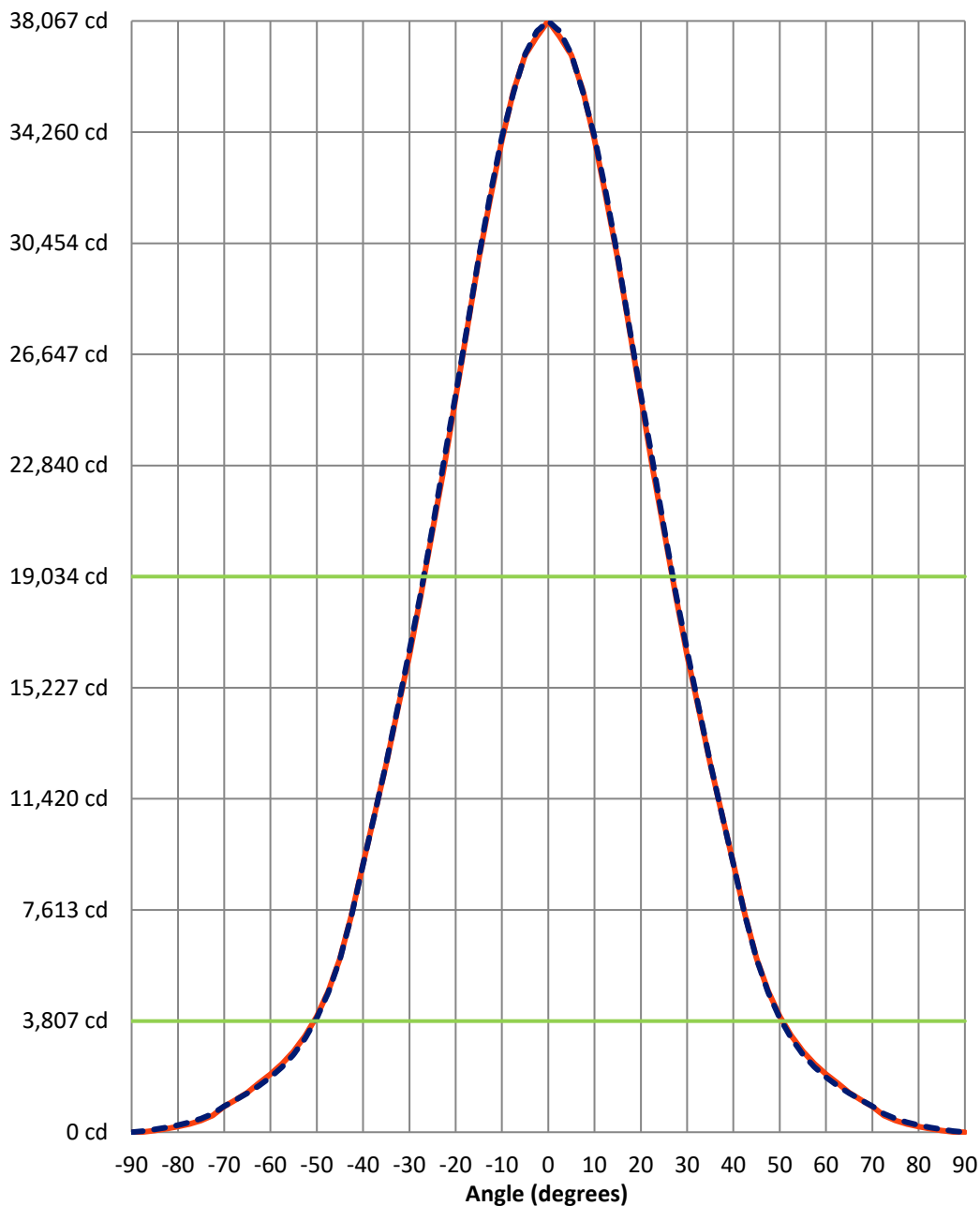
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 53.8°
 V Angle: 53.6°
 Lumens: 18524.8
 Efficiency: 47.8%

Field:
 H Angle: 100.8°
 V Angle: 101.2°
 Lumens: 34192.5
 Efficiency: 88.3%

Spill:
 Lumens: 4551
 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	1.9	4.5	7.3	10.5	14.1	18.1	20.0	21.6	22.9	23.9
85°	0.0	3.9	8.9	14.5	21.0	28.2	36.1	40.1	43.3	45.9	47.8
82.5°	0.0	5.8	13.3	21.8	31.4	42.1	54.0	60.1	66.2	76.8	86.1
80°	0.0	7.7	17.7	28.9	41.7	55.9	73.4	91.2	106.6	120.5	132.7
77.5°	0.0	9.6	22.0	35.9	51.8	72.8	104.7	127.8	147.0	164.2	181.3
75°	0.0	11.4	26.2	42.9	62.7	95.1	135.2	164.2	187.3	210.7	235.8
72.5°	0.0	13.3	30.3	49.6	77.7	116.8	164.7	200.0	227.8	257.6	289.4
70°	0.0	15.0	34.4	56.7	92.1	137.6	192.6	233.8	267.6	303.7	346.3
67.5°	0.0	16.8	38.3	65.6	106.0	157.5	216.9	266.9	306.5	351.5	402.5
65°	0.0	18.5	42.1	74.0	119.1	175.7	240.0	299.2	345.1	397.4	455.7
62.5°	0.0	20.1	45.8	82.0	131.5	192.4	261.8	329.9	382.0	441.5	505.2
60°	0.0	21.7	49.3	89.5	143.1	208.1	282.2	359.0	417.2	484.2	553.2
57.5°	0.0	23.3	53.5	96.5	153.8	222.8	300.7	385.2	452.8	525.4	597.4
55°	0.0	24.8	57.7	103.0	163.9	236.2	317.7	406.0	487.7	564.9	639.7
52.5°	0.0	26.2	61.6	109.0	173.1	248.5	333.3	428.8	521.1	602.5	681.1
50°	0.0	27.5	65.4	114.3	181.4	259.9	347.4	450.1	553.4	639.2	726.4
47.5°	0.0	28.8	69.0	119.2	188.9	270.1	360.6	469.6	585.3	674.9	771.0
45°	0.0	30.0	72.4	124.1	195.5	279.1	375.4	487.0	608.1	713.5	814.0
42.5°	0.0	31.1	75.7	128.4	201.2	287.0	388.5	504.1	629.0	750.8	858.7
40°	0.0	32.2	78.7	133.1	206.3	293.6	400.1	520.7	649.7	785.4	901.8
37.5°	0.0	33.1	81.5	137.9	210.9	299.0	409.9	535.8	672.4	812.7	942.8
35°	0.0	34.0	84.1	142.3	214.6	305.1	418.1	549.2	694.1	842.8	984.7
32.5°	0.0	34.8	86.5	146.3	217.4	310.9	425.7	560.9	714.8	873.3	1027.5
30°	0.0	35.5	88.7	150.0	219.4	315.4	434.0	572.3	734.4	904.1	1067.9
27.5°	0.0	36.2	90.7	153.2	224.1	318.6	440.9	586.5	754.8	935.0	1105.6
25°	0.0	36.7	92.4	155.9	228.6	320.6	446.2	599.2	777.6	965.3	1141.0
22.5°	0.0	37.2	93.9	158.3	232.5	323.1	449.9	610.3	799.4	993.1	1179.6
20°	0.0	37.6	95.2	160.3	235.9	328.9	452.1	619.8	819.8	1018.0	1214.2
17.5°	0.0	37.9	96.2	161.8	238.8	333.7	457.2	627.4	838.7	1040.1	1244.6
15°	0.0	38.1	97.0	163.0	241.1	337.5	463.3	634.6	855.6	1059.1	1270.7
12.5°	0.0	38.2	97.6	163.7	242.7	340.3	467.7	641.1	870.0	1074.9	1292.4
10°	0.0	38.3	97.9	164.0	243.8	342.0	470.4	644.7	881.2	1088.1	1310.0
7.5°	0.0	38.2	98.0	164.0	244.3	342.7	471.5	645.5	889.0	1098.4	1323.8
5°	0.0	38.1	97.9	163.5	244.2	342.5	471.0	643.6	893.3	1105.3	1332.9
2.5°	0.0	38.0	97.5	162.6	243.5	341.2	469.0	639.2	893.9	1108.8	1337.4
0°	0.0	37.7	96.9	161.4	242.1	339.0	465.4	632.3	890.5	1108.5	1337.2
-2.5°	0.0	38.0	97.5	162.6	243.5	341.2	469.0	639.2	893.9	1108.8	1337.4
-5°	0.0	38.1	97.9	163.5	244.2	342.5	471.0	643.6	893.3	1105.3	1332.9
-7.5°	0.0	38.2	98.0	164.0	244.3	342.7	471.5	645.5	889.0	1098.4	1323.8
-10°	0.0	38.3	97.9	164.0	243.8	342.0	470.4	644.7	881.2	1088.1	1310.0
-12.5°	0.0	38.2	97.6	163.7	242.7	340.3	467.7	641.1	870.0	1074.9	1292.4
-15°	0.0	38.1	97.0	163.0	241.1	337.5	463.3	634.6	855.6	1059.1	1270.7
-17.5°	0.0	37.9	96.2	161.8	238.8	333.7	457.2	627.4	838.7	1040.1	1244.6
-20°	0.0	37.6	95.2	160.3	235.9	328.9	452.1	619.8	819.8	1018.0	1214.2

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	37.2	93.9	158.3	232.5	323.1	449.9	610.3	799.4	993.1	1179.6
-25°	0.0	36.7	92.4	155.9	228.6	320.6	446.2	599.2	777.6	965.3	1141.0
-27.5°	0.0	36.2	90.7	153.2	224.1	318.6	440.9	586.5	754.8	935.0	1105.6
-30°	0.0	35.5	88.7	150.0	219.4	315.4	434.0	572.3	734.4	904.1	1067.9
-32.5°	0.0	34.8	86.5	146.3	217.4	310.9	425.7	560.9	714.8	873.3	1027.5
-35°	0.0	34.0	84.1	142.3	214.6	305.1	418.1	549.2	694.1	842.8	984.7
-37.5°	0.0	33.1	81.5	137.9	210.9	299.0	409.9	535.8	672.4	812.7	942.8
-40°	0.0	32.2	78.7	133.1	206.3	293.6	400.1	520.7	649.7	785.4	901.8
-42.5°	0.0	31.1	75.7	128.4	201.2	287.0	388.5	504.1	629.0	750.8	858.7
-45°	0.0	30.0	72.4	124.1	195.5	279.1	375.4	487.0	608.1	713.5	814.0
-47.5°	0.0	28.8	69.0	119.2	188.9	270.1	360.6	469.6	585.3	674.9	771.0
-50°	0.0	27.5	65.4	114.3	181.4	259.9	347.4	450.1	553.4	639.2	726.4
-52.5°	0.0	26.2	61.6	109.0	173.1	248.5	333.3	428.8	521.1	602.5	681.1
-55°	0.0	24.8	57.7	103.0	163.9	236.2	317.7	406.0	487.7	564.9	639.7
-57.5°	0.0	23.3	53.5	96.5	153.8	222.8	300.7	385.2	452.8	525.4	597.4
-60°	0.0	21.7	49.3	89.5	143.1	208.1	282.2	359.0	417.2	484.2	553.2
-62.5°	0.0	20.1	45.8	82.0	131.5	192.4	261.8	329.9	382.0	441.5	505.2
-65°	0.0	18.5	42.1	74.0	119.1	175.7	240.0	299.2	345.1	397.4	455.7
-67.5°	0.0	16.8	38.3	65.6	106.0	157.5	216.9	266.9	306.5	351.5	402.5
-70°	0.0	15.0	34.4	56.7	92.1	137.6	192.6	233.8	267.6	303.7	346.3
-72.5°	0.0	13.3	30.3	49.6	77.7	116.8	164.7	200.0	227.8	257.6	289.4
-75°	0.0	11.4	26.2	42.9	62.7	95.1	135.2	164.2	187.3	210.7	235.8
-77.5°	0.0	9.6	22.0	35.9	51.8	72.8	104.7	127.8	147.0	164.2	181.3
-80°	0.0	7.7	17.7	28.9	41.7	55.9	73.4	91.2	106.6	120.5	132.7
-82.5°	0.0	5.8	13.3	21.8	31.4	42.1	54.0	60.1	66.2	76.8	86.1
-85°	0.0	3.9	8.9	14.5	21.0	28.2	36.1	40.1	43.3	45.9	47.8
-87.5°	0.0	1.9	4.5	7.3	10.5	14.1	18.1	20.0	21.6	22.9	23.9
-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°	24.2	24.2	23.9	23.2	22.2	20.8	19.1	17.1	17.8	18.5	19.2
85°	48.5	48.6	52.6	56.3	58.0	58.2	57.1	54.6	61.7	69.8	78.5
82.5°	94.7	102.9	110.7	118.0	118.8	116.9	113.3	109.1	123.5	140.9	159.1
80°	145.2	157.3	171.3	184.3	187.4	186.0	182.0	175.4	194.3	221.2	250.1
77.5°	201.5	220.7	238.6	255.1	259.9	259.2	256.1	250.8	274.9	312.1	350.7
75°	260.8	284.1	307.2	327.5	336.2	336.9	335.9	341.6	373.3	416.9	455.2
72.5°	322.7	352.4	378.4	400.8	414.7	425.4	439.5	456.8	488.8	531.5	569.2
70°	388.2	421.1	448.6	473.3	494.7	517.9	547.7	577.2	611.0	653.7	692.8
67.5°	452.8	486.2	517.1	547.6	586.5	623.7	660.8	699.4	742.0	786.8	826.4
65°	512.7	550.4	588.2	632.4	683.0	725.2	770.9	821.1	876.9	927.3	973.2
62.5°	570.1	612.6	659.4	712.9	767.6	820.4	881.8	946.3	1011.5	1074.8	1137.4
60°	618.6	671.6	728.4	788.7	851.9	923.8	995.7	1072.5	1150.4	1226.6	1304.1
57.5°	665.2	730.8	796.2	866.4	945.2	1027.5	1113.8	1200.2	1293.4	1385.5	1473.6
55°	713.7	790.8	865.3	948.6	1038.8	1135.4	1232.9	1337.7	1440.6	1556.6	1663.6
52.5°	765.4	849.3	936.9	1032.2	1137.6	1246.5	1360.8	1481.0	1609.1	1737.9	1868.7
50°	815.8	910.5	1007.9	1121.9	1239.8	1364.2	1496.3	1636.2	1785.4	1934.6	2092.8
47.5°	868.6	969.6	1088.6	1212.4	1347.4	1489.1	1638.6	1805.0	1970.8	2158.7	2340.1
45°	920.6	1036.8	1165.9	1309.7	1458.0	1617.6	1795.3	1978.1	2189.7	2401.9	2640.4
42.5°	970.6	1104.5	1250.2	1404.0	1572.7	1756.1	1952.8	2182.6	2421.2	2683.9	2963.8
40°	1028.0	1169.2	1333.4	1505.2	1688.1	1897.7	2134.4	2389.6	2680.6	2991.9	3309.8
37.5°	1083.6	1242.3	1415.4	1601.8	1814.1	2050.2	2311.5	2624.2	2960.1	3313.9	3746.5
35°	1135.8	1311.8	1499.9	1704.1	1934.0	2207.5	2520.1	2865.7	3252.7	3709.1	4213.8
32.5°	1191.2	1377.7	1579.6	1808.8	2069.0	2367.8	2722.8	3129.6	3587.6	4107.3	4738.8
30°	1247.0	1445.4	1658.8	1906.9	2196.3	2542.1	2945.5	3395.1	3922.0	4573.8	5315.2
27.5°	1298.7	1508.7	1742.5	2010.7	2320.2	2702.8	3159.4	3686.5	4307.2	5043.8	5909.9
25°	1346.2	1566.4	1819.5	2109.7	2456.7	2876.4	3371.4	3955.1	4692.6	5571.0	6636.4
22.5°	1391.4	1618.9	1889.0	2198.6	2579.7	3044.3	3601.5	4269.4	5084.7	6070.5	7348.1
20°	1433.8	1675.7	1958.0	2283.8	2689.5	3195.9	3813.0	4562.8	5490.6	6657.6	8046.1
17.5°	1471.1	1725.8	2023.4	2375.8	2812.0	3350.0	4012.5	4821.8	5851.9	7181.8	8690.1
15°	1503.2	1769.0	2079.9	2455.4	2922.3	3503.2	4221.9	5105.9	6228.8	7658.6	9255.6
12.5°	1529.9	1805.2	2127.4	2522.5	3015.0	3632.7	4400.7	5359.0	6595.9	8107.7	9752.0
10°	1551.1	1834.2	2165.6	2576.6	3089.8	3737.9	4548.1	5566.1	6901.3	8492.7	10172.0
7.5°	1568.9	1856.9	2194.9	2617.6	3146.3	3818.2	4662.8	5725.9	7140.1	8797.6	10494.3
5°	1581.5	1873.1	2217.2	2646.3	3187.8	3874.3	4743.0	5837.7	7309.9	9018.5	10714.7
2.5°	1588.6	1881.9	2230.0	2661.6	3213.3	3906.0	4785.1	5907.8	7403.3	9144.5	10847.9
0°	1590.1	1883.3	2233.1	2663.5	3220.5	3911.9	4791.7	5929.8	7423.0	9177.1	10896.3
-2.5°	1588.6	1881.9	2230.0	2661.6	3213.3	3906.0	4785.1	5907.8	7403.3	9144.5	10847.9
-5°	1581.5	1873.1	2217.2	2646.3	3187.8	3874.3	4743.0	5837.7	7309.9	9018.5	10714.7
-7.5°	1568.9	1856.9	2194.9	2617.6	3146.3	3818.2	4662.8	5725.9	7140.1	8797.6	10494.3
-10°	1551.1	1834.2	2165.6	2576.6	3089.8	3737.9	4548.1	5566.1	6901.3	8492.7	10172.0
-12.5°	1529.9	1805.2	2127.4	2522.5	3015.0	3632.7	4400.7	5359.0	6595.9	8107.7	9752.0
-15°	1503.2	1769.0	2079.9	2455.4	2922.3	3503.2	4221.9	5105.9	6228.8	7658.6	9255.6
-17.5°	1471.1	1725.8	2023.4	2375.8	2812.0	3350.0	4012.5	4821.8	5851.9	7181.8	8690.1
-20°	1433.8	1675.7	1958.0	2283.8	2689.5	3195.9	3813.0	4562.8	5490.6	6657.6	8046.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-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°	1391.4	1618.9	1889.0	2198.6	2579.7	3044.3	3601.5	4269.4	5084.7	6070.5	7348.1
-25°	1346.2	1566.4	1819.5	2109.7	2456.7	2876.4	3371.4	3955.1	4692.6	5571.0	6636.4
-27.5°	1298.7	1508.7	1742.5	2010.7	2320.2	2702.8	3159.4	3686.5	4307.2	5043.8	5909.9
-30°	1247.0	1445.4	1658.8	1906.9	2196.3	2542.1	2945.5	3395.1	3922.0	4573.8	5315.2
-32.5°	1191.2	1377.7	1579.6	1808.8	2069.0	2367.8	2722.8	3129.6	3587.6	4107.3	4738.8
-35°	1135.8	1311.8	1499.9	1704.1	1934.0	2207.5	2520.1	2865.7	3252.7	3709.1	4213.8
-37.5°	1083.6	1242.3	1415.4	1601.8	1814.1	2050.2	2311.5	2624.2	2960.1	3313.9	3746.5
-40°	1028.0	1169.2	1333.4	1505.2	1688.1	1897.7	2134.4	2389.6	2680.6	2991.9	3309.8
-42.5°	970.6	1104.5	1250.2	1404.0	1572.7	1756.1	1952.8	2182.6	2421.2	2683.9	2963.8
-45°	920.6	1036.8	1165.9	1309.7	1458.0	1617.6	1795.3	1978.1	2189.7	2401.9	2640.4
-47.5°	868.6	969.6	1088.6	1212.4	1347.4	1489.1	1638.6	1805.0	1970.8	2158.7	2340.1
-50°	815.8	910.5	1007.9	1121.9	1239.8	1364.2	1496.3	1636.2	1785.4	1934.6	2092.8
-52.5°	765.4	849.3	936.9	1032.2	1137.6	1246.5	1360.8	1481.0	1609.1	1737.9	1868.7
-55°	713.7	790.8	865.3	948.6	1038.8	1135.4	1232.9	1337.7	1440.6	1556.6	1663.6
-57.5°	665.2	730.8	796.2	866.4	945.2	1027.5	1113.8	1200.2	1293.4	1385.5	1473.6
-60°	618.6	671.6	728.4	788.7	851.9	923.8	995.7	1072.5	1150.4	1226.6	1304.1
-62.5°	570.1	612.6	659.4	712.9	767.6	820.4	881.8	946.3	1011.5	1074.8	1137.4
-65°	512.7	550.4	588.2	632.4	683.0	725.2	770.9	821.1	876.9	927.3	973.2
-67.5°	452.8	486.2	517.1	547.6	586.5	623.7	660.8	699.4	742.0	786.8	826.4
-70°	388.2	421.1	448.6	473.3	494.7	517.9	547.7	577.2	611.0	653.7	692.8
-72.5°	322.7	352.4	378.4	400.8	414.7	425.4	439.5	456.8	488.8	531.5	569.2
-75°	260.8	284.1	307.2	327.5	336.2	336.9	335.9	341.6	373.3	416.9	455.2
-77.5°	201.5	220.7	238.6	255.1	259.9	259.2	256.1	250.8	274.9	312.1	350.7
-80°	145.2	157.3	171.3	184.3	187.4	186.0	182.0	175.4	194.3	221.2	250.1
-82.5°	94.7	102.9	110.7	118.0	118.8	116.9	113.3	109.1	123.5	140.9	159.1
-85°	48.5	48.6	52.6	56.3	58.0	58.2	57.1	54.6	61.7	69.8	78.5
-87.5°	24.2	24.2	23.9	23.2	22.2	20.8	19.1	17.1	17.8	18.5	19.2
-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: P627753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-WR-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°	19.8	19.3	18.6	17.9	17.0	16.7	16.4	16.0	15.6	14.4	13.3
85°	87.5	89.5	90.5	91.1	91.0	94.0	96.7	99.2	101.4	91.9	81.4
82.5°	177.9	186.3	193.6	200.9	208.0	213.0	216.7	219.5	221.2	200.3	176.7
80°	280.0	297.6	312.1	326.0	339.3	342.6	342.5	340.6	337.0	308.3	275.9
77.5°	389.5	412.4	430.7	448.7	466.5	473.1	476.2	478.7	480.3	444.8	401.1
75°	488.7	516.1	541.6	565.3	587.1	598.8	605.6	611.2	615.5	579.9	533.0
72.5°	601.9	630.9	658.5	684.8	707.9	723.3	733.3	741.5	748.0	727.7	698.4
70°	726.4	756.4	785.6	812.9	839.1	859.7	875.9	889.9	901.5	903.7	902.7
67.5°	864.6	900.0	934.7	964.5	995.6	1024.7	1050.3	1071.6	1088.6	1099.8	1106.1
65°	1019.7	1072.9	1120.3	1160.5	1194.1	1233.0	1267.3	1293.5	1312.0	1326.0	1338.0
62.5°	1202.5	1267.0	1321.2	1374.7	1430.0	1483.7	1517.3	1550.9	1583.8	1614.9	1641.4
60°	1378.4	1449.2	1522.5	1590.9	1654.2	1712.4	1772.7	1826.1	1872.8	1911.9	1941.0
57.5°	1565.9	1652.0	1735.4	1822.3	1904.0	1980.2	2054.6	2123.3	2182.7	2232.7	2273.5
55°	1769.3	1874.7	1973.9	2084.1	2190.9	2288.3	2378.0	2470.0	2552.8	2625.8	2683.6
52.5°	1988.8	2125.7	2257.0	2386.4	2524.9	2649.8	2761.7	2889.2	3002.2	3095.7	3168.4
50°	2250.7	2411.6	2585.0	2745.4	2920.0	3092.0	3250.7	3404.3	3554.5	3684.5	3789.6
47.5°	2549.0	2747.1	2961.8	3174.5	3391.2	3626.4	3836.2	4031.2	4241.2	4423.6	4569.9
45°	2880.6	3133.1	3392.5	3691.3	3966.7	4268.7	4548.3	4799.4	5097.3	5359.7	5571.0
42.5°	3248.3	3584.8	3925.8	4302.3	4667.5	5051.1	5458.4	5819.7	6214.9	6591.5	6896.0
40°	3704.2	4106.4	4563.2	5018.8	5543.1	6035.7	6629.1	7168.3	7658.1	8107.3	8475.3
37.5°	4210.8	4728.6	5302.4	5895.9	6613.3	7316.5	8011.1	8666.9	9245.9	9737.5	10149.9
35°	4786.0	5443.8	6138.9	7005.4	7845.9	8688.1	9472.7	10189.4	10819.2	11373.8	11845.4
32.5°	5447.5	6237.1	7210.1	8183.5	9142.3	10069.5	10930.9	11712.7	12403.3	13026.0	13568.4
30°	6143.1	7220.4	8312.4	9380.3	10427.5	11443.1	12388.5	13249.6	14030.0	14723.2	15348.0
27.5°	7026.9	8220.8	9411.6	10562.7	11714.8	12826.3	13850.9	14807.5	15702.9	16486.5	17200.7
25°	7881.8	9200.7	10466.5	11721.7	12975.7	14169.1	15314.8	16395.2	17420.8	18320.1	19117.4
22.5°	8736.5	10117.0	11469.7	12819.3	14166.4	15496.9	16783.2	18021.0	19167.9	20192.0	21089.5
20°	9528.2	10971.3	12417.9	13872.8	15333.0	16789.3	18234.0	19627.1	20904.8	22087.0	23125.9
17.5°	10237.9	11772.7	13306.4	14862.6	16445.5	18026.6	19631.5	21193.1	22653.9	23999.0	25204.2
15°	10866.4	12467.9	14115.1	15794.4	17494.1	19211.3	20962.5	22709.7	24354.0	25881.8	27227.3
12.5°	11416.0	13080.9	14807.3	16591.6	18436.4	20307.1	22218.3	24133.6	25953.9	27717.8	29170.6
10°	11869.4	13602.3	15406.7	17281.5	19227.0	21240.4	23290.8	25352.5	27357.9	29229.1	30890.5
7.5°	12219.6	14017.4	15876.8	17826.6	19867.8	21991.0	24163.0	26350.8	28491.0	30507.2	32345.5
5°	12466.6	14319.5	16202.3	18230.6	20342.6	22542.9	24800.3	27080.2	29317.5	31437.5	33342.6
2.5°	12610.0	14500.9	16391.8	18476.0	20625.1	22876.8	25195.5	27512.9	29809.2	32008.0	33965.8
0°	12647.8	14555.3	16500.5	18502.2	20713.8	23033.0	25268.7	27593.3	29979.7	32148.2	34098.8
-2.5°	12610.0	14500.9	16391.8	18476.0	20625.1	22876.8	25195.5	27512.9	29809.2	32008.0	33965.8
-5°	12466.6	14319.5	16202.3	18230.6	20342.6	22542.9	24800.3	27080.2	29317.5	31437.5	33342.6
-7.5°	12219.6	14017.4	15876.8	17826.6	19867.8	21991.0	24163.0	26350.8	28491.0	30507.2	32345.5
-10°	11869.4	13602.3	15406.7	17281.5	19227.0	21240.4	23290.8	25352.5	27357.9	29229.1	30890.5
-12.5°	11416.0	13080.9	14807.3	16591.6	18436.4	20307.1	22218.3	24133.6	25953.9	27717.8	29170.6
-15°	10866.4	12467.9	14115.1	15794.4	17494.1	19211.3	20962.5	22709.7	24354.0	25881.8	27227.3
-17.5°	10237.9	11772.7	13306.4	14862.6	16445.5	18026.6	19631.5	21193.1	22653.9	23999.0	25204.2
-20°	9528.2	10971.3	12417.9	13872.8	15333.0	16789.3	18234.0	19627.1	20904.8	22087.0	23125.9



REPORT NUMBER: P627753 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8736.5	10117.0	11469.7	12819.3	14166.4	15496.9	16783.2	18021.0	19167.9	20192.0	21089.5
-25°	7881.8	9200.7	10466.5	11721.7	12975.7	14169.1	15314.8	16395.2	17420.8	18320.1	19117.4
-27.5°	7026.9	8220.8	9411.6	10562.7	11714.8	12826.3	13850.9	14807.5	15702.9	16486.5	17200.7
-30°	6143.1	7220.4	8312.4	9380.3	10427.5	11443.1	12388.5	13249.6	14030.0	14723.2	15348.0
-32.5°	5447.5	6237.1	7210.1	8183.5	9142.3	10069.5	10930.9	11712.7	12403.3	13026.0	13568.4
-35°	4786.0	5443.8	6138.9	7005.4	7845.9	8688.1	9472.7	10189.4	10819.2	11373.8	11845.4
-37.5°	4210.8	4728.6	5302.4	5895.9	6613.3	7316.5	8011.1	8666.9	9245.9	9737.5	10149.9
-40°	3704.2	4106.4	4563.2	5018.8	5543.1	6035.7	6629.1	7168.3	7658.1	8107.3	8475.3
-42.5°	3248.3	3584.8	3925.8	4302.3	4667.5	5051.1	5458.4	5819.7	6214.9	6591.5	6896.0
-45°	2880.6	3133.1	3392.5	3691.3	3966.7	4268.7	4548.3	4799.4	5097.3	5359.7	5571.0
-47.5°	2549.0	2747.1	2961.8	3174.5	3391.2	3626.4	3836.2	4031.2	4241.2	4423.6	4569.9
-50°	2250.7	2411.6	2585.0	2745.4	2920.0	3092.0	3250.7	3404.3	3554.5	3684.5	3789.6
-52.5°	1988.8	2125.7	2257.0	2386.4	2524.9	2649.8	2761.7	2889.2	3002.2	3095.7	3168.4
-55°	1769.3	1874.7	1973.9	2084.1	2190.9	2288.3	2378.0	2470.0	2552.8	2625.8	2683.6
-57.5°	1565.9	1652.0	1735.4	1822.3	1904.0	1980.2	2054.6	2123.3	2182.7	2232.7	2273.5
-60°	1378.4	1449.2	1522.5	1590.9	1654.2	1712.4	1772.7	1826.1	1872.8	1911.9	1941.0
-62.5°	1202.5	1267.0	1321.2	1374.7	1430.0	1483.7	1517.3	1550.9	1583.8	1614.9	1641.4
-65°	1019.7	1072.9	1120.3	1160.5	1194.1	1233.0	1267.3	1293.5	1312.0	1326.0	1338.0
-67.5°	864.6	900.0	934.7	964.5	995.6	1024.7	1050.3	1071.6	1088.6	1099.8	1106.1
-70°	726.4	756.4	785.6	812.9	839.1	859.7	875.9	889.9	901.5	903.7	902.7
-72.5°	601.9	630.9	658.5	684.8	707.9	723.3	733.3	741.5	748.0	727.7	698.4
-75°	488.7	516.1	541.6	565.3	587.1	598.8	605.6	611.2	615.5	579.9	533.0
-77.5°	389.5	412.4	430.7	448.7	466.5	473.1	476.2	478.7	480.3	444.8	401.1
-80°	280.0	297.6	312.1	326.0	339.3	342.6	342.5	340.6	337.0	308.3	275.9
-82.5°	177.9	186.3	193.6	200.9	208.0	213.0	216.7	219.5	221.2	200.3	176.7
-85°	87.5	89.5	90.5	91.1	91.0	94.0	96.7	99.2	101.4	91.9	81.4
-87.5°	19.8	19.3	18.6	17.9	17.0	16.7	16.4	16.0	15.6	14.4	13.3
-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: P627753 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-730-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°	12.0	10.8	9.4	8.1	9.4	10.8	12.0	13.3	14.4	15.6	16.0
85°	70.4	58.9	57.8	56.5	57.8	58.9	70.4	81.4	91.9	101.4	99.2
82.5°	152.0	126.2	122.3	118.4	122.3	126.2	152.0	176.7	200.3	221.2	219.5
80°	242.0	207.1	200.3	193.7	200.3	207.1	242.0	275.9	308.3	337.0	340.6
77.5°	355.1	307.2	293.1	279.8	293.1	307.2	355.1	401.1	444.8	480.3	478.7
75°	484.3	433.9	416.9	400.9	416.9	433.9	484.3	533.0	579.9	615.5	611.2
72.5°	668.7	638.0	607.0	573.1	607.0	638.0	668.7	698.4	727.7	748.0	741.5
70°	901.8	899.6	891.8	879.8	891.8	899.6	901.8	902.7	903.7	901.5	889.9
67.5°	1108.8	1107.9	1110.6	1111.2	1110.6	1107.9	1108.8	1106.1	1099.8	1088.6	1071.6
65°	1345.4	1348.0	1353.5	1356.0	1353.5	1348.0	1345.4	1338.0	1326.0	1312.0	1293.5
62.5°	1661.8	1675.5	1682.3	1681.5	1682.3	1675.5	1661.8	1641.4	1614.9	1583.8	1550.9
60°	1962.7	1977.0	1985.9	1988.2	1985.9	1977.0	1962.7	1941.0	1911.9	1872.8	1826.1
57.5°	2305.9	2329.2	2341.6	2343.4	2341.6	2329.2	2305.9	2273.5	2232.7	2182.7	2123.3
55°	2727.9	2758.9	2772.8	2771.2	2772.8	2758.9	2727.9	2683.6	2625.8	2552.8	2470.0
52.5°	3223.4	3261.1	3289.4	3306.6	3289.4	3261.1	3223.4	3168.4	3095.7	3002.2	2889.2
50°	3868.5	3922.6	3957.1	3971.1	3957.1	3922.6	3868.5	3789.6	3684.5	3554.5	3404.3
47.5°	4675.6	4747.3	4800.4	4837.4	4800.4	4747.3	4675.6	4569.9	4423.6	4241.2	4031.2
45°	5727.1	5836.4	5910.6	5954.0	5910.6	5836.4	5727.1	5571.0	5359.7	5097.3	4799.4
42.5°	7133.7	7303.3	7407.3	7447.2	7407.3	7303.3	7133.7	6896.0	6591.5	6214.9	5819.7
40°	8766.0	8969.9	9103.6	9196.0	9103.6	8969.9	8766.0	8475.3	8107.3	7658.1	7168.3
37.5°	10466.4	10680.4	10810.6	10899.0	10810.6	10680.4	10466.4	10149.9	9737.5	9245.9	8666.9
35°	12201.0	12425.1	12547.2	12615.5	12547.2	12425.1	12201.0	11845.4	11373.8	10819.2	10189.4
32.5°	13981.8	14228.6	14361.5	14498.8	14361.5	14228.6	13981.8	13568.4	13026.0	12403.3	11712.7
30°	15841.7	16125.1	16264.0	16331.0	16264.0	16125.1	15841.7	15348.0	14723.2	14030.0	13249.6
27.5°	17777.1	18130.3	18304.3	18418.8	18304.3	18130.3	17777.1	17200.7	16486.5	15702.9	14807.5
25°	19790.9	20228.6	20427.8	20606.2	20427.8	20228.6	19790.9	19117.4	18320.1	17420.8	16395.2
22.5°	21880.3	22425.3	22656.1	22782.7	22656.1	22425.3	21880.3	21089.5	20192.0	19167.9	18021.0
20°	24024.2	24675.4	24996.1	25161.1	24996.1	24675.4	24024.2	23125.9	22087.0	20904.8	19627.1
17.5°	26216.5	27026.6	27441.5	27536.8	27441.5	27026.6	26216.5	25204.2	23999.0	22653.9	21193.1
15°	28368.7	29244.9	29735.4	29915.1	29735.4	29244.9	28368.7	27227.3	25881.8	24354.0	22709.7
12.5°	30406.9	31315.1	31901.2	32005.6	31901.2	31315.1	30406.9	29170.6	27717.8	25953.9	24133.6
10°	32255.5	33196.3	33843.6	33991.2	33843.6	33196.3	32255.5	30890.5	29229.1	27357.9	25352.5
7.5°	33800.8	34833.2	35548.3	35672.7	35548.3	34833.2	33800.8	32345.5	30507.2	28491.0	26350.8
5°	34931.5	36157.1	36744.1	36891.5	36744.1	36157.1	34931.5	33342.6	31437.5	29317.5	27080.2
2.5°	35551.7	36799.4	37615.3	37521.0	37615.3	36799.4	35551.7	33965.8	32008.0	29809.2	27512.9
0°	35621.6	36926.5	37706.7	38067.2	37706.7	36926.5	35621.6	34098.8	32148.2	29979.7	27593.3
-2.5°	35551.7	36799.4	37615.3	37521.0	37615.3	36799.4	35551.7	33965.8	32008.0	29809.2	27512.9
-5°	34931.5	36157.1	36744.1	36891.5	36744.1	36157.1	34931.5	33342.6	31437.5	29317.5	27080.2
-7.5°	33800.8	34833.2	35548.3	35672.7	35548.3	34833.2	33800.8	32345.5	30507.2	28491.0	26350.8
-10°	32255.5	33196.3	33843.6	33991.2	33843.6	33196.3	32255.5	30890.5	29229.1	27357.9	25352.5
-12.5°	30406.9	31315.1	31901.2	32005.6	31901.2	31315.1	30406.9	29170.6	27717.8	25953.9	24133.6
-15°	28368.7	29244.9	29735.4	29915.1	29735.4	29244.9	28368.7	27227.3	25881.8	24354.0	22709.7
-17.5°	26216.5	27026.6	27441.5	27536.8	27441.5	27026.6	26216.5	25204.2	23999.0	22653.9	21193.1
-20°	24024.2	24675.4	24996.1	25161.1	24996.1	24675.4	24024.2	23125.9	22087.0	20904.8	19627.1



REPORT NUMBER: P627753 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-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°	21880.3	22425.3	22656.1	22782.7	22656.1	22425.3	21880.3	21089.5	20192.0	19167.9	18021.0
-25°	19790.9	20228.6	20427.8	20606.2	20427.8	20228.6	19790.9	19117.4	18320.1	17420.8	16395.2
-27.5°	17777.1	18130.3	18304.3	18418.8	18304.3	18130.3	17777.1	17200.7	16486.5	15702.9	14807.5
-30°	15841.7	16125.1	16264.0	16331.0	16264.0	16125.1	15841.7	15348.0	14723.2	14030.0	13249.6
-32.5°	13981.8	14228.6	14361.5	14498.8	14361.5	14228.6	13981.8	13568.4	13026.0	12403.3	11712.7
-35°	12201.0	12425.1	12547.2	12615.5	12547.2	12425.1	12201.0	11845.4	11373.8	10819.2	10189.4
-37.5°	10466.4	10680.4	10810.6	10899.0	10810.6	10680.4	10466.4	10149.9	9737.5	9245.9	8666.9
-40°	8766.0	8969.9	9103.6	9196.0	9103.6	8969.9	8766.0	8475.3	8107.3	7658.1	7168.3
-42.5°	7133.7	7303.3	7407.3	7447.2	7407.3	7303.3	7133.7	6896.0	6591.5	6214.9	5819.7
-45°	5727.1	5836.4	5910.6	5954.0	5910.6	5836.4	5727.1	5571.0	5359.7	5097.3	4799.4
-47.5°	4675.6	4747.3	4800.4	4837.4	4800.4	4747.3	4675.6	4569.9	4423.6	4241.2	4031.2
-50°	3868.5	3922.6	3957.1	3971.1	3957.1	3922.6	3868.5	3789.6	3684.5	3554.5	3404.3
-52.5°	3223.4	3261.1	3289.4	3306.6	3289.4	3261.1	3223.4	3168.4	3095.7	3002.2	2889.2
-55°	2727.9	2758.9	2772.8	2771.2	2772.8	2758.9	2727.9	2683.6	2625.8	2552.8	2470.0
-57.5°	2305.9	2329.2	2341.6	2343.4	2341.6	2329.2	2305.9	2273.5	2232.7	2182.7	2123.3
-60°	1962.7	1977.0	1985.9	1988.2	1985.9	1977.0	1962.7	1941.0	1911.9	1872.8	1826.1
-62.5°	1661.8	1675.5	1682.3	1681.5	1682.3	1675.5	1661.8	1641.4	1614.9	1583.8	1550.9
-65°	1345.4	1348.0	1353.5	1356.0	1353.5	1348.0	1345.4	1338.0	1326.0	1312.0	1293.5
-67.5°	1108.8	1107.9	1110.6	1111.2	1110.6	1107.9	1108.8	1106.1	1099.8	1088.6	1071.6
-70°	901.8	899.6	891.8	879.8	891.8	899.6	901.8	902.7	903.7	901.5	889.9
-72.5°	668.7	638.0	607.0	573.1	607.0	638.0	668.7	698.4	727.7	748.0	741.5
-75°	484.3	433.9	416.9	400.9	416.9	433.9	484.3	533.0	579.9	615.5	611.2
-77.5°	355.1	307.2	293.1	279.8	293.1	307.2	355.1	401.1	444.8	480.3	478.7
-80°	242.0	207.1	200.3	193.7	200.3	207.1	242.0	275.9	308.3	337.0	340.6
-82.5°	152.0	126.2	122.3	118.4	122.3	126.2	152.0	176.7	200.3	221.2	219.5
-85°	70.4	58.9	57.8	56.5	57.8	58.9	70.4	81.4	91.9	101.4	99.2
-87.5°	12.0	10.8	9.4	8.1	9.4	10.8	12.0	13.3	14.4	15.6	16.0
-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: P627753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-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°	16.4	16.7	17.0	17.9	18.6	19.3	19.8	19.2	18.5	17.8	17.1
85°	96.7	94.0	91.0	91.1	90.5	89.5	87.5	78.5	69.8	61.7	54.6
82.5°	216.7	213.0	208.0	200.9	193.6	186.3	177.9	159.1	140.9	123.5	109.1
80°	342.5	342.6	339.3	326.0	312.1	297.6	280.0	250.1	221.2	194.3	175.4
77.5°	476.2	473.1	466.5	448.7	430.7	412.4	389.5	350.7	312.1	274.9	250.8
75°	605.6	598.8	587.1	565.3	541.6	516.1	488.7	455.2	416.9	373.3	341.6
72.5°	733.3	723.3	707.9	684.8	658.5	630.9	601.9	569.2	531.5	488.8	456.8
70°	875.9	859.7	839.1	812.9	785.6	756.4	726.4	692.8	653.7	611.0	577.2
67.5°	1050.3	1024.7	995.6	964.5	934.7	900.0	864.6	826.4	786.8	742.0	699.4
65°	1267.3	1233.0	1194.1	1160.5	1120.3	1072.9	1019.7	973.2	927.3	876.9	821.1
62.5°	1517.3	1483.7	1430.0	1374.7	1321.2	1267.0	1202.5	1137.4	1074.8	1011.5	946.3
60°	1772.7	1712.4	1654.2	1590.9	1522.5	1449.2	1378.4	1304.1	1226.6	1150.4	1072.5
57.5°	2054.6	1980.2	1904.0	1822.3	1735.4	1652.0	1565.9	1473.6	1385.5	1293.4	1200.2
55°	2378.0	2288.3	2190.9	2084.1	1973.9	1874.7	1769.3	1663.6	1556.6	1440.6	1337.7
52.5°	2761.7	2649.8	2524.9	2386.4	2257.0	2125.7	1988.8	1868.7	1737.9	1609.1	1481.0
50°	3250.7	3092.0	2920.0	2745.4	2585.0	2411.6	2250.7	2092.8	1934.6	1785.4	1636.2
47.5°	3836.2	3626.4	3391.2	3174.5	2961.8	2747.1	2549.0	2340.1	2158.7	1970.8	1805.0
45°	4548.3	4268.7	3966.7	3691.3	3392.5	3133.1	2880.6	2640.4	2401.9	2189.7	1978.1
42.5°	5458.4	5051.1	4667.5	4302.3	3925.8	3584.8	3248.3	2963.8	2683.9	2421.2	2182.6
40°	6629.1	6035.7	5543.1	5018.8	4563.2	4106.4	3704.2	3309.8	2991.9	2680.6	2389.6
37.5°	8011.1	7316.5	6613.3	5895.9	5302.4	4728.6	4210.8	3746.5	3313.9	2960.1	2624.2
35°	9472.7	8688.1	7845.9	7005.4	6138.9	5443.8	4786.0	4213.8	3709.1	3252.7	2865.7
32.5°	10930.9	10069.5	9142.3	8183.5	7210.1	6237.1	5447.5	4738.8	4107.3	3587.6	3129.6
30°	12388.5	11443.1	10427.5	9380.3	8312.4	7220.4	6143.1	5315.2	4573.8	3922.0	3395.1
27.5°	13850.9	12826.3	11714.8	10562.7	9411.6	8220.8	7026.9	5909.9	5043.8	4307.2	3686.5
25°	15314.8	14169.1	12975.7	11721.7	10466.5	9200.7	7881.8	6636.4	5571.0	4692.6	3955.1
22.5°	16783.2	15496.9	14166.4	12819.3	11469.7	10117.0	8736.5	7348.1	6070.5	5084.7	4269.4
20°	18234.0	16789.3	15333.0	13872.8	12417.9	10971.3	9528.2	8046.1	6657.6	5490.6	4562.8
17.5°	19631.5	18026.6	16445.5	14862.6	13306.4	11772.7	10237.9	8690.1	7181.8	5851.9	4821.8
15°	20962.5	19211.3	17494.1	15794.4	14115.1	12467.9	10866.4	9255.6	7658.6	6228.8	5105.9
12.5°	22218.3	20307.1	18436.4	16591.6	14807.3	13080.9	11416.0	9752.0	8107.7	6595.9	5359.0
10°	23290.8	21240.4	19227.0	17281.5	15406.7	13602.3	11869.4	10172.0	8492.7	6901.3	5566.1
7.5°	24163.0	21991.0	19867.8	17826.6	15876.8	14017.4	12219.6	10494.3	8797.6	7140.1	5725.9
5°	24800.3	22542.9	20342.6	18230.6	16202.3	14319.5	12466.6	10714.7	9018.5	7309.9	5837.7
2.5°	25195.5	22876.8	20625.1	18476.0	16391.8	14500.9	12610.0	10847.9	9144.5	7403.3	5907.8
0°	25268.7	23033.0	20713.8	18502.2	16500.5	14555.3	12647.8	10896.3	9177.1	7423.0	5929.8
-2.5°	25195.5	22876.8	20625.1	18476.0	16391.8	14500.9	12610.0	10847.9	9144.5	7403.3	5907.8
-5°	24800.3	22542.9	20342.6	18230.6	16202.3	14319.5	12466.6	10714.7	9018.5	7309.9	5837.7
-7.5°	24163.0	21991.0	19867.8	17826.6	15876.8	14017.4	12219.6	10494.3	8797.6	7140.1	5725.9
-10°	23290.8	21240.4	19227.0	17281.5	15406.7	13602.3	11869.4	10172.0	8492.7	6901.3	5566.1
-12.5°	22218.3	20307.1	18436.4	16591.6	14807.3	13080.9	11416.0	9752.0	8107.7	6595.9	5359.0
-15°	20962.5	19211.3	17494.1	15794.4	14115.1	12467.9	10866.4	9255.6	7658.6	6228.8	5105.9
-17.5°	19631.5	18026.6	16445.5	14862.6	13306.4	11772.7	10237.9	8690.1	7181.8	5851.9	4821.8
-20°	18234.0	16789.3	15333.0	13872.8	12417.9	10971.3	9528.2	8046.1	6657.6	5490.6	4562.8



REPORT NUMBER: P627753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16783.2	15496.9	14166.4	12819.3	11469.7	10117.0	8736.5	7348.1	6070.5	5084.7	4269.4
-25°	15314.8	14169.1	12975.7	11721.7	10466.5	9200.7	7881.8	6636.4	5571.0	4692.6	3955.1
-27.5°	13850.9	12826.3	11714.8	10562.7	9411.6	8220.8	7026.9	5909.9	5043.8	4307.2	3686.5
-30°	12388.5	11443.1	10427.5	9380.3	8312.4	7220.4	6143.1	5315.2	4573.8	3922.0	3395.1
-32.5°	10930.9	10069.5	9142.3	8183.5	7210.1	6237.1	5447.5	4738.8	4107.3	3587.6	3129.6
-35°	9472.7	8688.1	7845.9	7005.4	6138.9	5443.8	4786.0	4213.8	3709.1	3252.7	2865.7
-37.5°	8011.1	7316.5	6613.3	5895.9	5302.4	4728.6	4210.8	3746.5	3313.9	2960.1	2624.2
-40°	6629.1	6035.7	5543.1	5018.8	4563.2	4106.4	3704.2	3309.8	2991.9	2680.6	2389.6
-42.5°	5458.4	5051.1	4667.5	4302.3	3925.8	3584.8	3248.3	2963.8	2683.9	2421.2	2182.6
-45°	4548.3	4268.7	3966.7	3691.3	3392.5	3133.1	2880.6	2640.4	2401.9	2189.7	1978.1
-47.5°	3836.2	3626.4	3391.2	3174.5	2961.8	2747.1	2549.0	2340.1	2158.7	1970.8	1805.0
-50°	3250.7	3092.0	2920.0	2745.4	2585.0	2411.6	2250.7	2092.8	1934.6	1785.4	1636.2
-52.5°	2761.7	2649.8	2524.9	2386.4	2257.0	2125.7	1988.8	1868.7	1737.9	1609.1	1481.0
-55°	2378.0	2288.3	2190.9	2084.1	1973.9	1874.7	1769.3	1663.6	1556.6	1440.6	1337.7
-57.5°	2054.6	1980.2	1904.0	1822.3	1735.4	1652.0	1565.9	1473.6	1385.5	1293.4	1200.2
-60°	1772.7	1712.4	1654.2	1590.9	1522.5	1449.2	1378.4	1304.1	1226.6	1150.4	1072.5
-62.5°	1517.3	1483.7	1430.0	1374.7	1321.2	1267.0	1202.5	1137.4	1074.8	1011.5	946.3
-65°	1267.3	1233.0	1194.1	1160.5	1120.3	1072.9	1019.7	973.2	927.3	876.9	821.1
-67.5°	1050.3	1024.7	995.6	964.5	934.7	900.0	864.6	826.4	786.8	742.0	699.4
-70°	875.9	859.7	839.1	812.9	785.6	756.4	726.4	692.8	653.7	611.0	577.2
-72.5°	733.3	723.3	707.9	684.8	658.5	630.9	601.9	569.2	531.5	488.8	456.8
-75°	605.6	598.8	587.1	565.3	541.6	516.1	488.7	455.2	416.9	373.3	341.6
-77.5°	476.2	473.1	466.5	448.7	430.7	412.4	389.5	350.7	312.1	274.9	250.8
-80°	342.5	342.6	339.3	326.0	312.1	297.6	280.0	250.1	221.2	194.3	175.4
-82.5°	216.7	213.0	208.0	200.9	193.6	186.3	177.9	159.1	140.9	123.5	109.1
-85°	96.7	94.0	91.0	91.1	90.5	89.5	87.5	78.5	69.8	61.7	54.6
-87.5°	16.4	16.7	17.0	17.9	18.6	19.3	19.8	19.2	18.5	17.8	17.1
-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: P627753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-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°	19.1	20.8	22.2	23.2	23.9	24.2	24.2	23.9	22.9	21.6	20.0
85°	57.1	58.2	58.0	56.3	52.6	48.6	48.5	47.8	45.9	43.3	40.1
82.5°	113.3	116.9	118.8	118.0	110.7	102.9	94.7	86.1	76.8	66.2	60.1
80°	182.0	186.0	187.4	184.3	171.3	157.3	145.2	132.7	120.5	106.6	91.2
77.5°	256.1	259.2	259.9	255.1	238.6	220.7	201.5	181.3	164.2	147.0	127.8
75°	335.9	336.9	336.2	327.5	307.2	284.1	260.8	235.8	210.7	187.3	164.2
72.5°	439.5	425.4	414.7	400.8	378.4	352.4	322.7	289.4	257.6	227.8	200.0
70°	547.7	517.9	494.7	473.3	448.6	421.1	388.2	346.3	303.7	267.6	233.8
67.5°	660.8	623.7	586.5	547.6	517.1	486.2	452.8	402.5	351.5	306.5	266.9
65°	770.9	725.2	683.0	632.4	588.2	550.4	512.7	455.7	397.4	345.1	299.2
62.5°	881.8	820.4	767.6	712.9	659.4	612.6	570.1	505.2	441.5	382.0	329.9
60°	995.7	923.8	851.9	788.7	728.4	671.6	618.6	553.2	484.2	417.2	359.0
57.5°	1113.8	1027.5	945.2	866.4	796.2	730.8	665.2	597.4	525.4	452.8	385.2
55°	1232.9	1135.4	1038.8	948.6	865.3	790.8	713.7	639.7	564.9	487.7	406.0
52.5°	1360.8	1246.5	1137.6	1032.2	936.9	849.3	765.4	681.1	602.5	521.1	428.8
50°	1496.3	1364.2	1239.8	1121.9	1007.9	910.5	815.8	726.4	639.2	553.4	450.1
47.5°	1638.6	1489.1	1347.4	1212.4	1088.6	969.6	868.6	771.0	674.9	585.3	469.6
45°	1795.3	1617.6	1458.0	1309.7	1165.9	1036.8	920.6	814.0	713.5	608.1	487.0
42.5°	1952.8	1756.1	1572.7	1404.0	1250.2	1104.5	970.6	858.7	750.8	629.0	504.1
40°	2134.4	1897.7	1688.1	1505.2	1333.4	1169.2	1028.0	901.8	785.4	649.7	520.7
37.5°	2311.5	2050.2	1814.1	1601.8	1415.4	1242.3	1083.6	942.8	812.7	672.4	535.8
35°	2520.1	2207.5	1934.0	1704.1	1499.9	1311.8	1135.8	984.7	842.8	694.1	549.2
32.5°	2722.8	2367.8	2069.0	1808.8	1579.6	1377.7	1191.2	1027.5	873.3	714.8	560.9
30°	2945.5	2542.1	2196.3	1906.9	1658.8	1445.4	1247.0	1067.9	904.1	734.4	572.3
27.5°	3159.4	2702.8	2320.2	2010.7	1742.5	1508.7	1298.7	1105.6	935.0	754.8	586.5
25°	3371.4	2876.4	2456.7	2109.7	1819.5	1566.4	1346.2	1141.0	965.3	777.6	599.2
22.5°	3601.5	3044.3	2579.7	2198.6	1889.0	1618.9	1391.4	1179.6	993.1	799.4	610.3
20°	3813.0	3195.9	2689.5	2283.8	1958.0	1675.7	1433.8	1214.2	1018.0	819.8	619.8
17.5°	4012.5	3350.0	2812.0	2375.8	2023.4	1725.8	1471.1	1244.6	1040.1	838.7	627.4
15°	4221.9	3503.2	2922.3	2455.4	2079.9	1769.0	1503.2	1270.7	1059.1	855.6	634.6
12.5°	4400.7	3632.7	3015.0	2522.5	2127.4	1805.2	1529.9	1292.4	1074.9	870.0	641.1
10°	4548.1	3737.9	3089.8	2576.6	2165.6	1834.2	1551.1	1310.0	1088.1	881.2	644.7
7.5°	4662.8	3818.2	3146.3	2617.6	2194.9	1856.9	1568.9	1323.8	1098.4	889.0	645.5
5°	4743.0	3874.3	3187.8	2646.3	2217.2	1873.1	1581.5	1332.9	1105.3	893.3	643.6
2.5°	4785.1	3906.0	3213.3	2661.6	2230.0	1881.9	1588.6	1337.4	1108.8	893.9	639.2
0°	4791.7	3911.9	3220.5	2663.5	2233.1	1883.3	1590.1	1337.2	1108.5	890.5	632.3
-2.5°	4785.1	3906.0	3213.3	2661.6	2230.0	1881.9	1588.6	1337.4	1108.8	893.9	639.2
-5°	4743.0	3874.3	3187.8	2646.3	2217.2	1873.1	1581.5	1332.9	1105.3	893.3	643.6
-7.5°	4662.8	3818.2	3146.3	2617.6	2194.9	1856.9	1568.9	1323.8	1098.4	889.0	645.5
-10°	4548.1	3737.9	3089.8	2576.6	2165.6	1834.2	1551.1	1310.0	1088.1	881.2	644.7
-12.5°	4400.7	3632.7	3015.0	2522.5	2127.4	1805.2	1529.9	1292.4	1074.9	870.0	641.1
-15°	4221.9	3503.2	2922.3	2455.4	2079.9	1769.0	1503.2	1270.7	1059.1	855.6	634.6
-17.5°	4012.5	3350.0	2812.0	2375.8	2023.4	1725.8	1471.1	1244.6	1040.1	838.7	627.4
-20°	3813.0	3195.9	2689.5	2283.8	1958.0	1675.7	1433.8	1214.2	1018.0	819.8	619.8

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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



REPORT NUMBER: P627753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3601.5	3044.3	2579.7	2198.6	1889.0	1618.9	1391.4	1179.6	993.1	799.4	610.3
-25°	3371.4	2876.4	2456.7	2109.7	1819.5	1566.4	1346.2	1141.0	965.3	777.6	599.2
-27.5°	3159.4	2702.8	2320.2	2010.7	1742.5	1508.7	1298.7	1105.6	935.0	754.8	586.5
-30°	2945.5	2542.1	2196.3	1906.9	1658.8	1445.4	1247.0	1067.9	904.1	734.4	572.3
-32.5°	2722.8	2367.8	2069.0	1808.8	1579.6	1377.7	1191.2	1027.5	873.3	714.8	560.9
-35°	2520.1	2207.5	1934.0	1704.1	1499.9	1311.8	1135.8	984.7	842.8	694.1	549.2
-37.5°	2311.5	2050.2	1814.1	1601.8	1415.4	1242.3	1083.6	942.8	812.7	672.4	535.8
-40°	2134.4	1897.7	1688.1	1505.2	1333.4	1169.2	1028.0	901.8	785.4	649.7	520.7
-42.5°	1952.8	1756.1	1572.7	1404.0	1250.2	1104.5	970.6	858.7	750.8	629.0	504.1
-45°	1795.3	1617.6	1458.0	1309.7	1165.9	1036.8	920.6	814.0	713.5	608.1	487.0
-47.5°	1638.6	1489.1	1347.4	1212.4	1088.6	969.6	868.6	771.0	674.9	585.3	469.6
-50°	1496.3	1364.2	1239.8	1121.9	1007.9	910.5	815.8	726.4	639.2	553.4	450.1
-52.5°	1360.8	1246.5	1137.6	1032.2	936.9	849.3	765.4	681.1	602.5	521.1	428.8
-55°	1232.9	1135.4	1038.8	948.6	865.3	790.8	713.7	639.7	564.9	487.7	406.0
-57.5°	1113.8	1027.5	945.2	866.4	796.2	730.8	665.2	597.4	525.4	452.8	385.2
-60°	995.7	923.8	851.9	788.7	728.4	671.6	618.6	553.2	484.2	417.2	359.0
-62.5°	881.8	820.4	767.6	712.9	659.4	612.6	570.1	505.2	441.5	382.0	329.9
-65°	770.9	725.2	683.0	632.4	588.2	550.4	512.7	455.7	397.4	345.1	299.2
-67.5°	660.8	623.7	586.5	547.6	517.1	486.2	452.8	402.5	351.5	306.5	266.9
-70°	547.7	517.9	494.7	473.3	448.6	421.1	388.2	346.3	303.7	267.6	233.8
-72.5°	439.5	425.4	414.7	400.8	378.4	352.4	322.7	289.4	257.6	227.8	200.0
-75°	335.9	336.9	336.2	327.5	307.2	284.1	260.8	235.8	210.7	187.3	164.2
-77.5°	256.1	259.2	259.9	255.1	238.6	220.7	201.5	181.3	164.2	147.0	127.8
-80°	182.0	186.0	187.4	184.3	171.3	157.3	145.2	132.7	120.5	106.6	91.2
-82.5°	113.3	116.9	118.8	118.0	110.7	102.9	94.7	86.1	76.8	66.2	60.1
-85°	57.1	58.2	58.0	56.3	52.6	48.6	48.5	47.8	45.9	43.3	40.1
-87.5°	19.1	20.8	22.2	23.2	23.9	24.2	24.2	23.9	22.9	21.6	20.0
-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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Scaled Data Report



REPORT NUMBER: P627753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-WR-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°	18.1	14.1	10.5	7.3	4.5	1.9	0.0
85°	36.1	28.2	21.0	14.5	8.9	3.9	0.0
82.5°	54.0	42.1	31.4	21.8	13.3	5.8	0.0
80°	73.4	55.9	41.7	28.9	17.7	7.7	0.0
77.5°	104.7	72.8	51.8	35.9	22.0	9.6	0.0
75°	135.2	95.1	62.7	42.9	26.2	11.4	0.0
72.5°	164.7	116.8	77.7	49.6	30.3	13.3	0.0
70°	192.6	137.6	92.1	56.7	34.4	15.0	0.0
67.5°	216.9	157.5	106.0	65.6	38.3	16.8	0.0
65°	240.0	175.7	119.1	74.0	42.1	18.5	0.0
62.5°	261.8	192.4	131.5	82.0	45.8	20.1	0.0
60°	282.2	208.1	143.1	89.5	49.3	21.7	0.0
57.5°	300.7	222.8	153.8	96.5	53.5	23.3	0.0
55°	317.7	236.2	163.9	103.0	57.7	24.8	0.0
52.5°	333.3	248.5	173.1	109.0	61.6	26.2	0.0
50°	347.4	259.9	181.4	114.3	65.4	27.5	0.0
47.5°	360.6	270.1	188.9	119.2	69.0	28.8	0.0
45°	375.4	279.1	195.5	124.1	72.4	30.0	0.0
42.5°	388.5	287.0	201.2	128.4	75.7	31.1	0.0
40°	400.1	293.6	206.3	133.1	78.7	32.2	0.0
37.5°	409.9	299.0	210.9	137.9	81.5	33.1	0.0
35°	418.1	305.1	214.6	142.3	84.1	34.0	0.0
32.5°	425.7	310.9	217.4	146.3	86.5	34.8	0.0
30°	434.0	315.4	219.4	150.0	88.7	35.5	0.0
27.5°	440.9	318.6	224.1	153.2	90.7	36.2	0.0
25°	446.2	320.6	228.6	155.9	92.4	36.7	0.0
22.5°	449.9	323.1	232.5	158.3	93.9	37.2	0.0
20°	452.1	328.9	235.9	160.3	95.2	37.6	0.0
17.5°	457.2	333.7	238.8	161.8	96.2	37.9	0.0
15°	463.3	337.5	241.1	163.0	97.0	38.1	0.0
12.5°	467.7	340.3	242.7	163.7	97.6	38.2	0.0
10°	470.4	342.0	243.8	164.0	97.9	38.3	0.0
7.5°	471.5	342.7	244.3	164.0	98.0	38.2	0.0
5°	471.0	342.5	244.2	163.5	97.9	38.1	0.0
2.5°	469.0	341.2	243.5	162.6	97.5	38.0	0.0
0°	465.4	339.0	242.1	161.4	96.9	37.7	0.0
-2.5°	469.0	341.2	243.5	162.6	97.5	38.0	0.0
-5°	471.0	342.5	244.2	163.5	97.9	38.1	0.0
-7.5°	471.5	342.7	244.3	164.0	98.0	38.2	0.0
-10°	470.4	342.0	243.8	164.0	97.9	38.3	0.0
-12.5°	467.7	340.3	242.7	163.7	97.6	38.2	0.0
-15°	463.3	337.5	241.1	163.0	97.0	38.1	0.0
-17.5°	457.2	333.7	238.8	161.8	96.2	37.9	0.0
-20°	452.1	328.9	235.9	160.3	95.2	37.6	0.0

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REPORT NUMBER: P627753 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	449.9	323.1	232.5	158.3	93.9	37.2	0.0
-25°	446.2	320.6	228.6	155.9	92.4	36.7	0.0
-27.5°	440.9	318.6	224.1	153.2	90.7	36.2	0.0
-30°	434.0	315.4	219.4	150.0	88.7	35.5	0.0
-32.5°	425.7	310.9	217.4	146.3	86.5	34.8	0.0
-35°	418.1	305.1	214.6	142.3	84.1	34.0	0.0
-37.5°	409.9	299.0	210.9	137.9	81.5	33.1	0.0
-40°	400.1	293.6	206.3	133.1	78.7	32.2	0.0
-42.5°	388.5	287.0	201.2	128.4	75.7	31.1	0.0
-45°	375.4	279.1	195.5	124.1	72.4	30.0	0.0
-47.5°	360.6	270.1	188.9	119.2	69.0	28.8	0.0
-50°	347.4	259.9	181.4	114.3	65.4	27.5	0.0
-52.5°	333.3	248.5	173.1	109.0	61.6	26.2	0.0
-55°	317.7	236.2	163.9	103.0	57.7	24.8	0.0
-57.5°	300.7	222.8	153.8	96.5	53.5	23.3	0.0
-60°	282.2	208.1	143.1	89.5	49.3	21.7	0.0
-62.5°	261.8	192.4	131.5	82.0	45.8	20.1	0.0
-65°	240.0	175.7	119.1	74.0	42.1	18.5	0.0
-67.5°	216.9	157.5	106.0	65.6	38.3	16.8	0.0
-70°	192.6	137.6	92.1	56.7	34.4	15.0	0.0
-72.5°	164.7	116.8	77.7	49.6	30.3	13.3	0.0
-75°	135.2	95.1	62.7	42.9	26.2	11.4	0.0
-77.5°	104.7	72.8	51.8	35.9	22.0	9.6	0.0
-80°	73.4	55.9	41.7	28.9	17.7	7.7	0.0
-82.5°	54.0	42.1	31.4	21.8	13.3	5.8	0.0
-85°	36.1	28.2	21.0	14.5	8.9	3.9	0.0
-87.5°	18.1	14.1	10.5	7.3	4.5	1.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)