

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: P627673 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-722-U-WR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627673 (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-SA5D-722-U-WR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N110
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

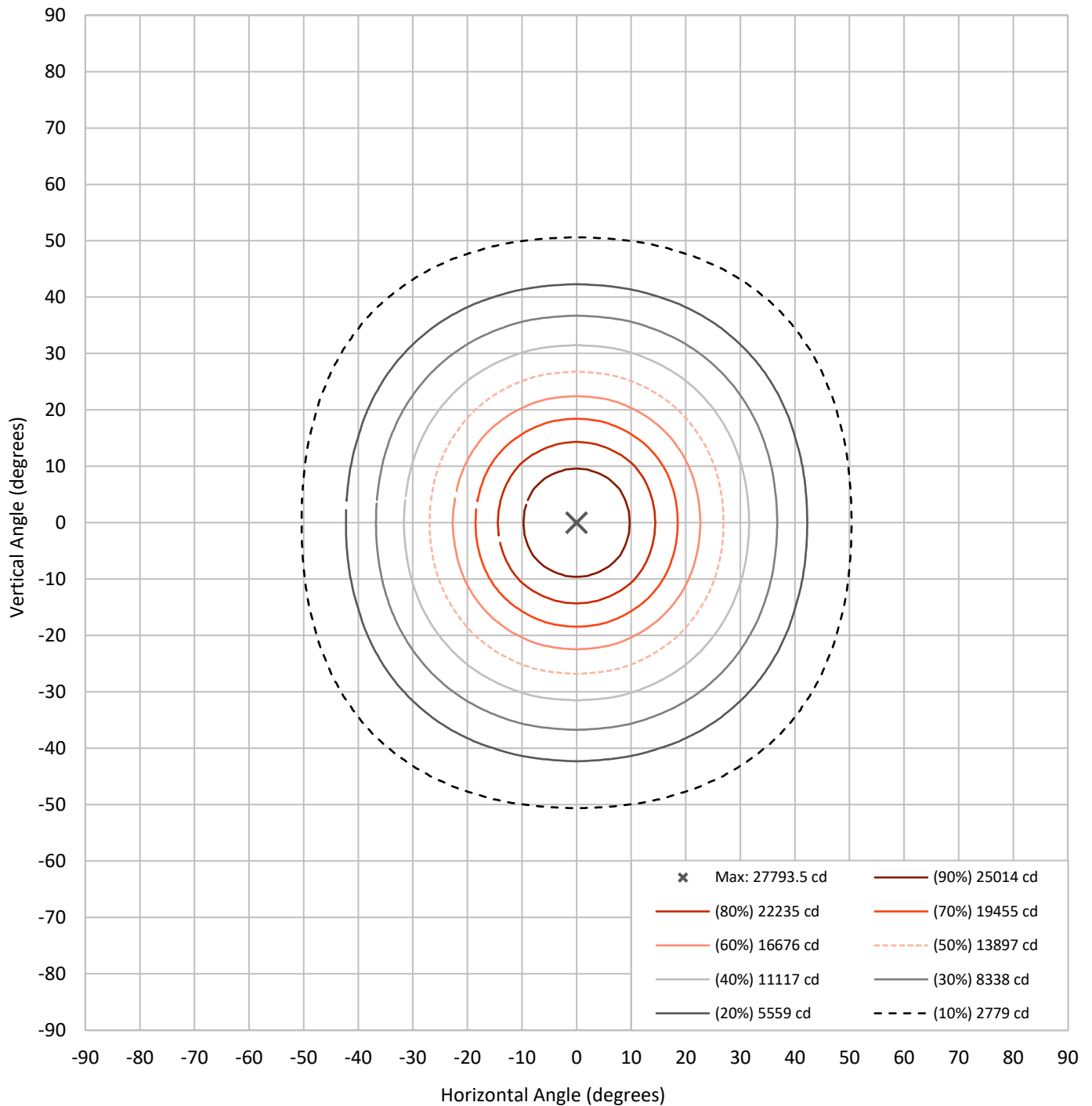
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	28287.3 lumens	Max Intensity:	27793.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	104.3 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:	13525.3 lumens	Field Lumens:	24964.6 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	271.3		
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





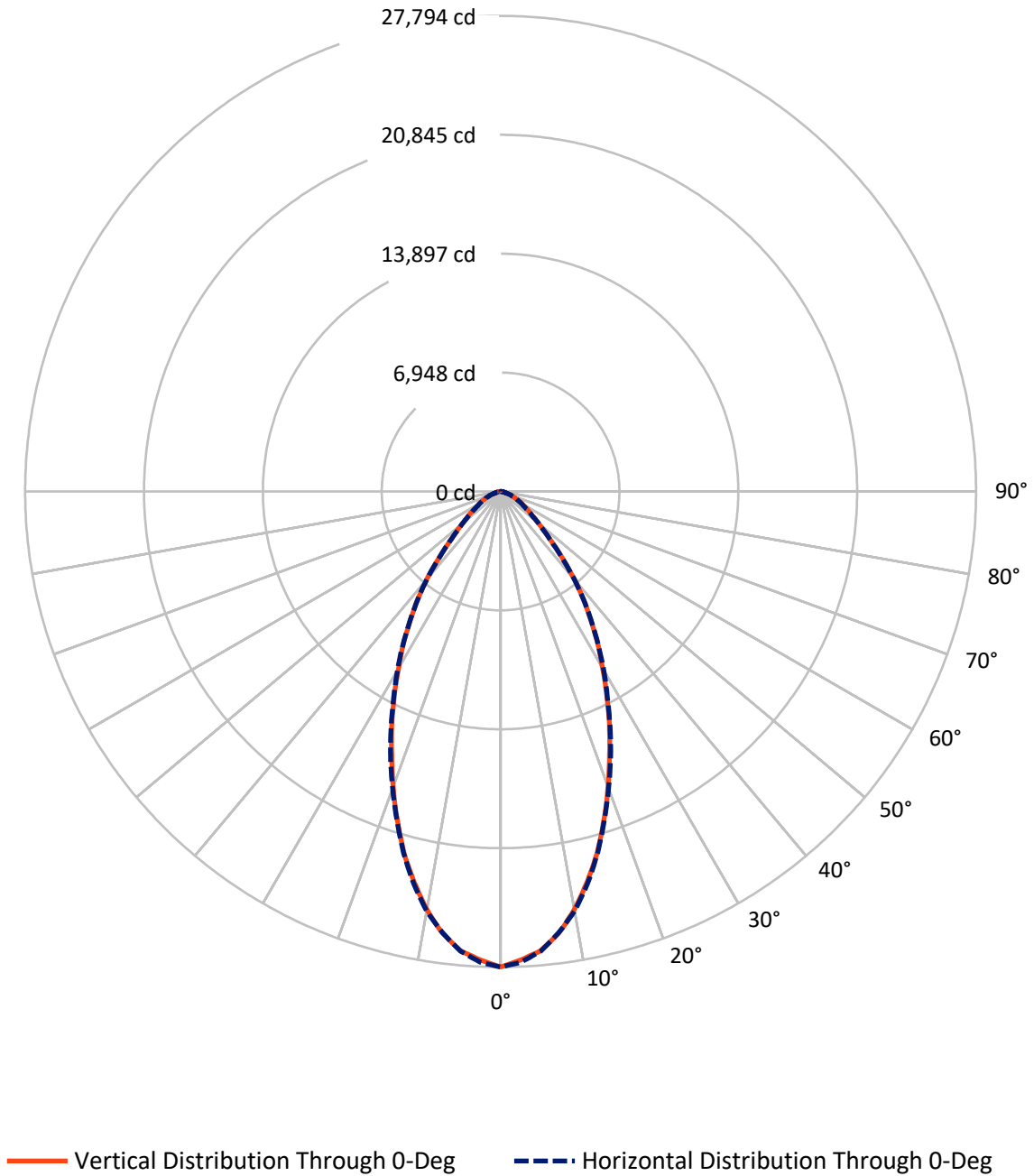
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Lumen Table

90																			
80	1.1	7.8		17.8		29.6		25.4		29.6		17.8		7.8		1.1			
70																			
60	3.7	4.3	8.1	13.0	18.9	24.5	28.7	30.8	30.8	28.7	24.5	18.9	13.0	8.1	4.3	3.7			
50		6.1	12.3	21.2	32.6	44.8	55.9	62.3	62.3	55.9	44.8	32.6	21.2	12.3	6.1				
40	5.4	7.8	16.9	31.7	53.4	82.1	113.2	133.9	133.9	113.2	82.1	53.4	31.7	16.9	7.8	5.4			
30		9.5	22.2	46.1	89.7	159.2	231.3	274.4	274.4	231.3	159.2	89.7	46.1	22.2	9.5				
20	6.4	11.1	27.7	64.5	144.9	260.5	372.8	445.6	445.6	372.8	260.5	144.9	64.5	27.7	11.1	6.4			
10		12.3	32.4	83.6	197.8	351.8	519.4	639.0	639.0	519.4	351.8	197.8	83.6	32.4	12.3				
0	6.7	12.9	35.2	96.0	227.7	409.0	622.4	782.7	782.7	622.4	409.0	227.7	96.0	35.2	12.9	6.7			
-10		12.9	35.2	96.0	227.7	409.0	622.4	782.7	782.7	622.4	409.0	227.7	96.0	35.2	12.9				
-20	6.4	12.3	32.4	83.6	197.8	351.8	519.4	639.0	639.0	519.4	351.8	197.8	83.6	32.4	12.3	6.4			
-30		11.1	27.7	64.5	144.9	260.5	372.8	445.6	445.6	372.8	260.5	144.9	64.5	27.7	11.1				
-40	5.4	9.5	22.2	46.1	89.7	159.2	231.3	274.4	274.4	231.3	159.2	89.7	46.1	22.2	9.5	5.4			
-50		7.8	16.9	31.7	53.4	82.1	113.2	133.9	133.9	113.2	82.1	53.4	31.7	16.9	7.8				
-60	3.7	6.1	12.3	21.2	32.6	44.8	55.9	62.3	62.3	55.9	44.8	32.6	21.2	12.3	6.1	3.7			
-70		4.3	8.1	13.0	18.9	24.5	28.7	30.8	30.8	28.7	24.5	18.9	13.0	8.1	4.3				
-80																			
-90	1.1	7.8		17.8		29.6		25.4		29.6		17.8		7.8		1.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

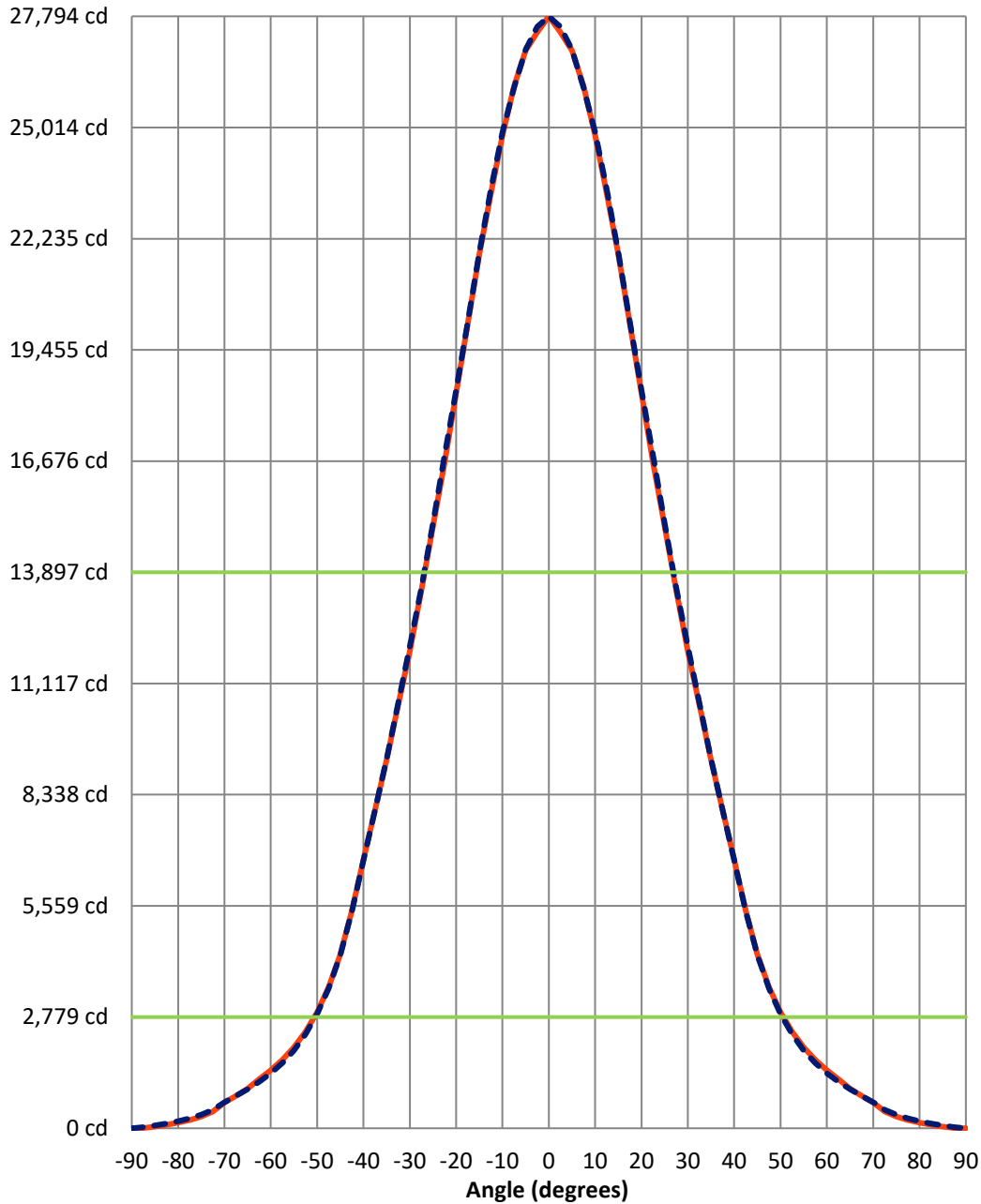
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 53.8°
 V Angle: 53.6°
 Lumens: 13525.3
 Efficiency: 47.8%

Field:
 H Angle: 100.8°
 V Angle: 101.2°
 Lumens: 24964.6
 Efficiency: 88.3%

Spill:
 Lumens: 3322.8
 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	1.4	3.2	5.3	7.7	10.3	13.2	14.6	15.8	16.7	17.5
85°	0.0	2.8	6.5	10.6	15.3	20.6	26.4	29.3	31.6	33.5	34.9
82.5°	0.0	4.2	9.7	15.9	22.9	30.8	39.4	43.9	48.4	56.1	62.9
80°	0.0	5.6	12.9	21.1	30.4	40.8	53.6	66.6	77.9	88.0	96.9
77.5°	0.0	7.0	16.0	26.2	37.8	53.1	76.4	93.3	107.3	119.9	132.4
75°	0.0	8.3	19.1	31.3	45.8	69.4	98.7	119.9	136.7	153.8	172.1
72.5°	0.0	9.7	22.1	36.2	56.7	85.2	120.2	146.0	166.3	188.1	211.3
70°	0.0	11.0	25.1	41.4	67.3	100.4	140.6	170.7	195.4	221.8	252.8
67.5°	0.0	12.3	27.9	47.9	77.4	115.0	158.4	194.9	223.8	256.6	293.9
65°	0.0	13.5	30.7	54.0	87.0	128.3	175.2	218.5	251.9	290.2	332.7
62.5°	0.0	14.7	33.4	59.9	96.0	140.5	191.2	240.9	278.9	322.4	368.9
60°	0.0	15.9	36.0	65.4	104.4	152.0	206.1	262.1	304.6	353.5	403.9
57.5°	0.0	17.0	39.1	70.5	112.3	162.6	219.5	281.3	330.6	383.6	436.2
55°	0.0	18.1	42.1	75.2	119.6	172.5	232.0	296.5	356.1	412.4	467.0
52.5°	0.0	19.1	45.0	79.6	126.4	181.5	243.4	313.1	380.5	439.9	497.2
50°	0.0	20.1	47.7	83.5	132.5	189.7	253.7	328.6	404.0	466.7	530.4
47.5°	0.0	21.0	50.4	87.1	137.9	197.2	263.3	342.8	427.3	492.8	562.9
45°	0.0	21.9	52.9	90.6	142.7	203.8	274.0	355.6	444.0	521.0	594.3
42.5°	0.0	22.7	55.2	93.7	146.9	209.5	283.7	368.0	459.2	548.1	626.9
40°	0.0	23.5	57.4	97.2	150.6	214.3	292.1	380.2	474.4	573.4	658.4
37.5°	0.0	24.2	59.5	100.7	153.9	218.3	299.3	391.2	490.9	593.4	688.3
35°	0.0	24.8	61.4	103.9	156.6	222.8	305.3	400.9	506.8	615.3	718.9
32.5°	0.0	25.4	63.2	106.8	158.7	227.0	310.8	409.5	521.9	637.6	750.2
30°	0.0	25.9	64.7	109.5	160.1	230.3	316.9	417.8	536.2	660.1	779.6
27.5°	0.0	26.4	66.2	111.8	163.6	232.6	321.9	428.2	551.0	682.6	807.2
25°	0.0	26.8	67.4	113.9	166.9	234.0	325.8	437.5	567.7	704.8	833.0
22.5°	0.0	27.1	68.5	115.6	169.8	235.9	328.5	445.6	583.6	725.1	861.2
20°	0.0	27.4	69.4	117.0	172.3	240.2	330.1	452.5	598.6	743.3	886.5
17.5°	0.0	27.6	70.2	118.2	174.3	243.7	333.8	458.0	612.3	759.4	908.7
15°	0.0	27.8	70.8	119.0	176.0	246.4	338.3	463.3	624.7	773.3	927.7
12.5°	0.0	27.9	71.2	119.6	177.2	248.5	341.5	468.1	635.2	784.9	943.6
10°	0.0	27.9	71.4	119.8	178.0	249.7	343.5	470.7	643.4	794.5	956.5
7.5°	0.0	27.9	71.5	119.8	178.4	250.2	344.3	471.3	649.1	802.0	966.5
5°	0.0	27.8	71.4	119.4	178.3	250.0	343.9	469.9	652.2	807.0	973.1
2.5°	0.0	27.7	71.1	118.8	177.8	249.1	342.4	466.6	652.7	809.5	976.4
0°	0.0	27.5	70.7	117.9	176.8	247.5	339.8	461.6	650.2	809.3	976.3
-2.5°	0.0	27.7	71.1	118.8	177.8	249.1	342.4	466.6	652.7	809.5	976.4
-5°	0.0	27.8	71.4	119.4	178.3	250.0	343.9	469.9	652.2	807.0	973.1
-7.5°	0.0	27.9	71.5	119.8	178.4	250.2	344.3	471.3	649.1	802.0	966.5
-10°	0.0	27.9	71.4	119.8	178.0	249.7	343.5	470.7	643.4	794.5	956.5
-12.5°	0.0	27.9	71.2	119.6	177.2	248.5	341.5	468.1	635.2	784.9	943.6
-15°	0.0	27.8	70.8	119.0	176.0	246.4	338.3	463.3	624.7	773.3	927.7
-17.5°	0.0	27.6	70.2	118.2	174.3	243.7	333.8	458.0	612.3	759.4	908.7
-20°	0.0	27.4	69.4	117.0	172.3	240.2	330.1	452.5	598.6	743.3	886.5

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CATALOG NUMBER: GFLD-SA5D-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	27.1	68.5	115.6	169.8	235.9	328.5	445.6	583.6	725.1	861.2
-25°	0.0	26.8	67.4	113.9	166.9	234.0	325.8	437.5	567.7	704.8	833.0
-27.5°	0.0	26.4	66.2	111.8	163.6	232.6	321.9	428.2	551.0	682.6	807.2
-30°	0.0	25.9	64.7	109.5	160.1	230.3	316.9	417.8	536.2	660.1	779.6
-32.5°	0.0	25.4	63.2	106.8	158.7	227.0	310.8	409.5	521.9	637.6	750.2
-35°	0.0	24.8	61.4	103.9	156.6	222.8	305.3	400.9	506.8	615.3	718.9
-37.5°	0.0	24.2	59.5	100.7	153.9	218.3	299.3	391.2	490.9	593.4	688.3
-40°	0.0	23.5	57.4	97.2	150.6	214.3	292.1	380.2	474.4	573.4	658.4
-42.5°	0.0	22.7	55.2	93.7	146.9	209.5	283.7	368.0	459.2	548.1	626.9
-45°	0.0	21.9	52.9	90.6	142.7	203.8	274.0	355.6	444.0	521.0	594.3
-47.5°	0.0	21.0	50.4	87.1	137.9	197.2	263.3	342.8	427.3	492.8	562.9
-50°	0.0	20.1	47.7	83.5	132.5	189.7	253.7	328.6	404.0	466.7	530.4
-52.5°	0.0	19.1	45.0	79.6	126.4	181.5	243.4	313.1	380.5	439.9	497.2
-55°	0.0	18.1	42.1	75.2	119.6	172.5	232.0	296.5	356.1	412.4	467.0
-57.5°	0.0	17.0	39.1	70.5	112.3	162.6	219.5	281.3	330.6	383.6	436.2
-60°	0.0	15.9	36.0	65.4	104.4	152.0	206.1	262.1	304.6	353.5	403.9
-62.5°	0.0	14.7	33.4	59.9	96.0	140.5	191.2	240.9	278.9	322.4	368.9
-65°	0.0	13.5	30.7	54.0	87.0	128.3	175.2	218.5	251.9	290.2	332.7
-67.5°	0.0	12.3	27.9	47.9	77.4	115.0	158.4	194.9	223.8	256.6	293.9
-70°	0.0	11.0	25.1	41.4	67.3	100.4	140.6	170.7	195.4	221.8	252.8
-72.5°	0.0	9.7	22.1	36.2	56.7	85.2	120.2	146.0	166.3	188.1	211.3
-75°	0.0	8.3	19.1	31.3	45.8	69.4	98.7	119.9	136.7	153.8	172.1
-77.5°	0.0	7.0	16.0	26.2	37.8	53.1	76.4	93.3	107.3	119.9	132.4
-80°	0.0	5.6	12.9	21.1	30.4	40.8	53.6	66.6	77.9	88.0	96.9
-82.5°	0.0	4.2	9.7	15.9	22.9	30.8	39.4	43.9	48.4	56.1	62.9
-85°	0.0	2.8	6.5	10.6	15.3	20.6	26.4	29.3	31.6	33.5	34.9
-87.5°	0.0	1.4	3.2	5.3	7.7	10.3	13.2	14.6	15.8	16.7	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



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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°	17.7	17.7	17.4	16.9	16.2	15.2	14.0	12.5	13.0	13.6	14.0
85°	35.5	35.5	38.4	41.1	42.4	42.5	41.7	39.8	45.0	51.0	57.3
82.5°	69.2	75.2	80.8	86.1	86.7	85.3	82.7	79.6	90.1	102.8	116.1
80°	106.0	114.8	125.0	134.5	136.8	135.8	132.9	128.0	141.9	161.5	182.7
77.5°	147.1	161.1	174.2	186.3	189.8	189.2	187.0	183.2	200.8	227.9	256.1
75°	190.4	207.5	224.3	239.1	245.5	246.0	245.3	249.4	272.6	304.4	332.4
72.5°	235.6	257.3	276.3	292.6	302.8	310.6	320.9	333.5	356.9	388.1	415.6
70°	283.4	307.5	327.5	345.6	361.2	378.1	399.9	421.5	446.2	477.3	505.8
67.5°	330.6	355.0	377.6	399.8	428.2	455.4	482.5	510.7	541.8	574.5	603.4
65°	374.3	401.8	429.4	461.7	498.7	529.5	562.8	599.5	640.3	677.1	710.6
62.5°	416.2	447.3	481.5	520.5	560.4	599.0	643.8	690.9	738.5	784.7	830.5
60°	451.7	490.3	531.8	575.8	622.0	674.5	727.0	783.0	840.0	895.5	952.2
57.5°	485.7	533.5	581.3	632.6	690.1	750.2	813.2	876.3	944.3	1011.6	1075.9
55°	521.0	577.4	631.8	692.6	758.5	829.0	900.2	976.7	1051.8	1136.5	1214.7
52.5°	558.8	620.1	684.0	753.6	830.6	910.1	993.6	1081.3	1174.8	1268.9	1364.4
50°	595.6	664.8	735.9	819.1	905.2	996.1	1092.4	1194.6	1303.5	1412.5	1528.0
47.5°	634.1	707.9	794.8	885.2	983.8	1087.2	1196.4	1317.8	1438.9	1576.1	1708.6
45°	672.2	757.0	851.2	956.3	1064.5	1181.0	1310.8	1444.2	1598.7	1753.7	1927.8
42.5°	708.6	806.4	912.8	1025.1	1148.3	1282.1	1425.8	1593.5	1767.7	1959.6	2163.9
40°	750.5	853.6	973.5	1099.0	1232.5	1385.6	1558.3	1744.6	1957.1	2184.4	2416.6
37.5°	791.1	907.0	1033.4	1169.5	1324.5	1496.9	1687.6	1916.0	2161.2	2419.6	2735.4
35°	829.2	957.8	1095.1	1244.2	1412.1	1611.8	1840.0	2092.3	2374.9	2708.1	3076.6
32.5°	869.7	1005.8	1153.3	1320.7	1510.6	1728.8	1988.0	2285.0	2619.4	2998.9	3459.9
30°	910.5	1055.3	1211.2	1392.2	1603.6	1856.0	2150.5	2478.8	2863.5	3339.4	3880.7
27.5°	948.2	1101.6	1272.3	1468.0	1694.0	1973.3	2306.7	2691.6	3144.8	3682.6	4314.9
25°	982.8	1143.7	1328.4	1540.3	1793.6	2100.1	2461.5	2887.7	3426.2	4067.5	4845.3
22.5°	1015.9	1182.1	1379.1	1605.2	1883.4	2222.7	2629.5	3117.2	3712.5	4432.1	5365.0
20°	1046.8	1223.5	1429.5	1667.3	1963.6	2333.4	2784.0	3331.4	4008.8	4860.8	5874.6
17.5°	1074.1	1260.1	1477.2	1734.5	2053.1	2445.9	2929.6	3520.5	4272.6	5243.6	6344.8
15°	1097.5	1291.6	1518.5	1792.7	2133.6	2557.8	3082.5	3727.9	4547.7	5591.7	6757.7
12.5°	1117.0	1318.0	1553.2	1841.7	2201.3	2652.3	3213.1	3912.7	4815.7	5919.6	7120.1
10°	1132.6	1339.2	1581.1	1881.2	2255.9	2729.1	3320.7	4063.9	5038.7	6200.7	7426.8
7.5°	1145.5	1355.7	1602.5	1911.1	2297.2	2787.7	3404.4	4180.6	5213.1	6423.2	7662.1
5°	1154.7	1367.6	1618.8	1932.1	2327.5	2828.6	3463.0	4262.2	5337.0	6584.5	7823.0
2.5°	1159.9	1374.0	1628.1	1943.3	2346.1	2851.8	3493.7	4313.4	5405.2	6676.6	7920.2
0°	1160.9	1375.0	1630.4	1944.7	2351.3	2856.2	3498.5	4329.4	5419.6	6700.4	7955.6
-2.5°	1159.9	1374.0	1628.1	1943.3	2346.1	2851.8	3493.7	4313.4	5405.2	6676.6	7920.2
-5°	1154.7	1367.6	1618.8	1932.1	2327.5	2828.6	3463.0	4262.2	5337.0	6584.5	7823.0
-7.5°	1145.5	1355.7	1602.5	1911.1	2297.2	2787.7	3404.4	4180.6	5213.1	6423.2	7662.1
-10°	1132.6	1339.2	1581.1	1881.2	2255.9	2729.1	3320.7	4063.9	5038.7	6200.7	7426.8
-12.5°	1117.0	1318.0	1553.2	1841.7	2201.3	2652.3	3213.1	3912.7	4815.7	5919.6	7120.1
-15°	1097.5	1291.6	1518.5	1792.7	2133.6	2557.8	3082.5	3727.9	4547.7	5591.7	6757.7
-17.5°	1074.1	1260.1	1477.2	1734.5	2053.1	2445.9	2929.6	3520.5	4272.6	5243.6	6344.8
-20°	1046.8	1223.5	1429.5	1667.3	1963.6	2333.4	2784.0	3331.4	4008.8	4860.8	5874.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627673 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-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°	1015.9	1182.1	1379.1	1605.2	1883.4	2222.7	2629.5	3117.2	3712.5	4432.1	5365.0
-25°	982.8	1143.7	1328.4	1540.3	1793.6	2100.1	2461.5	2887.7	3426.2	4067.5	4845.3
-27.5°	948.2	1101.6	1272.3	1468.0	1694.0	1973.3	2306.7	2691.6	3144.8	3682.6	4314.9
-30°	910.5	1055.3	1211.2	1392.2	1603.6	1856.0	2150.5	2478.8	2863.5	3339.4	3880.7
-32.5°	869.7	1005.8	1153.3	1320.7	1510.6	1728.8	1988.0	2285.0	2619.4	2998.9	3459.9
-35°	829.2	957.8	1095.1	1244.2	1412.1	1611.8	1840.0	2092.3	2374.9	2708.1	3076.6
-37.5°	791.1	907.0	1033.4	1169.5	1324.5	1496.9	1687.6	1916.0	2161.2	2419.6	2735.4
-40°	750.5	853.6	973.5	1099.0	1232.5	1385.6	1558.3	1744.6	1957.1	2184.4	2416.6
-42.5°	708.6	806.4	912.8	1025.1	1148.3	1282.1	1425.8	1593.5	1767.7	1959.6	2163.9
-45°	672.2	757.0	851.2	956.3	1064.5	1181.0	1310.8	1444.2	1598.7	1753.7	1927.8
-47.5°	634.1	707.9	794.8	885.2	983.8	1087.2	1196.4	1317.8	1438.9	1576.1	1708.6
-50°	595.6	664.8	735.9	819.1	905.2	996.1	1092.4	1194.6	1303.5	1412.5	1528.0
-52.5°	558.8	620.1	684.0	753.6	830.6	910.1	993.6	1081.3	1174.8	1268.9	1364.4
-55°	521.0	577.4	631.8	692.6	758.5	829.0	900.2	976.7	1051.8	1136.5	1214.7
-57.5°	485.7	533.5	581.3	632.6	690.1	750.2	813.2	876.3	944.3	1011.6	1075.9
-60°	451.7	490.3	531.8	575.8	622.0	674.5	727.0	783.0	840.0	895.5	952.2
-62.5°	416.2	447.3	481.5	520.5	560.4	599.0	643.8	690.9	738.5	784.7	830.5
-65°	374.3	401.8	429.4	461.7	498.7	529.5	562.8	599.5	640.3	677.1	710.6
-67.5°	330.6	355.0	377.6	399.8	428.2	455.4	482.5	510.7	541.8	574.5	603.4
-70°	283.4	307.5	327.5	345.6	361.2	378.1	399.9	421.5	446.2	477.3	505.8
-72.5°	235.6	257.3	276.3	292.6	302.8	310.6	320.9	333.5	356.9	388.1	415.6
-75°	190.4	207.5	224.3	239.1	245.5	246.0	245.3	249.4	272.6	304.4	332.4
-77.5°	147.1	161.1	174.2	186.3	189.8	189.2	187.0	183.2	200.8	227.9	256.1
-80°	106.0	114.8	125.0	134.5	136.8	135.8	132.9	128.0	141.9	161.5	182.7
-82.5°	69.2	75.2	80.8	86.1	86.7	85.3	82.7	79.6	90.1	102.8	116.1
-85°	35.5	35.5	38.4	41.1	42.4	42.5	41.7	39.8	45.0	51.0	57.3
-87.5°	17.7	17.7	17.4	16.9	16.2	15.2	14.0	12.5	13.0	13.6	14.0
-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: P627673 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-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°	14.5	14.1	13.6	13.1	12.5	12.3	12.0	11.7	11.4	10.6	9.7
85°	63.9	65.3	66.1	66.5	66.5	68.6	70.6	72.4	74.0	67.1	59.5
82.5°	130.0	136.0	141.4	146.7	151.9	155.5	158.2	160.2	161.5	146.2	129.0
80°	204.5	217.3	227.9	238.0	247.7	250.2	250.1	248.7	246.0	225.1	201.4
77.5°	284.4	301.1	314.4	327.6	340.6	345.4	347.7	349.5	350.7	324.8	292.9
75°	356.8	376.8	395.4	412.7	428.7	437.2	442.1	446.2	449.4	423.4	389.2
72.5°	439.5	460.6	480.8	500.0	516.9	528.1	535.4	541.4	546.2	531.3	509.9
70°	530.4	552.3	573.6	593.5	612.6	627.7	639.5	649.8	658.3	659.9	659.2
67.5°	631.3	657.1	682.4	704.2	726.9	748.1	766.8	782.4	794.8	803.0	807.6
65°	744.5	783.4	818.0	847.3	871.8	900.2	925.3	944.4	957.9	968.1	976.9
62.5°	878.0	925.1	964.6	1003.7	1044.1	1083.3	1107.8	1132.4	1156.4	1179.1	1198.5
60°	1006.4	1058.1	1111.6	1161.6	1207.8	1250.3	1294.3	1333.3	1367.4	1395.9	1417.2
57.5°	1143.3	1206.2	1267.1	1330.5	1390.2	1445.8	1500.1	1550.3	1593.6	1630.1	1659.9
55°	1291.9	1368.8	1441.2	1521.6	1599.6	1670.8	1736.2	1803.4	1863.8	1917.1	1959.3
52.5°	1452.0	1552.0	1647.9	1742.4	1843.5	1934.7	2016.4	2109.5	2192.0	2260.2	2313.3
50°	1643.3	1760.8	1887.4	2004.5	2132.0	2257.6	2373.3	2485.5	2595.2	2690.1	2766.8
47.5°	1861.1	2005.7	2162.5	2317.7	2476.0	2647.7	2800.9	2943.3	3096.6	3229.8	3336.6
45°	2103.1	2287.5	2476.9	2695.1	2896.1	3116.7	3320.8	3504.1	3721.6	3913.2	4067.5
42.5°	2371.7	2617.3	2866.3	3141.2	3407.8	3687.9	3985.3	4249.2	4537.6	4812.6	5034.8
40°	2704.5	2998.1	3331.6	3664.3	4047.1	4406.8	4840.0	5233.8	5591.3	5919.3	6188.0
37.5°	3074.4	3452.4	3871.4	4304.7	4828.5	5341.9	5849.1	6327.9	6750.6	7109.5	7410.6
35°	3494.3	3974.6	4482.1	5114.8	5728.4	6343.3	6916.2	7439.5	7899.3	8304.2	8648.5
32.5°	3977.3	4553.8	5264.2	5974.9	6674.9	7352.0	7980.9	8551.7	9055.9	9510.5	9906.5
30°	4485.1	5271.7	6069.0	6848.7	7613.2	8354.8	9045.1	9673.8	10243.5	10749.6	11205.9
27.5°	5130.4	6002.1	6871.5	7712.0	8553.1	9364.7	10112.8	10811.2	11465.0	12037.0	12558.5
25°	5754.6	6717.5	7641.8	8558.2	9473.8	10345.2	11181.6	11970.4	12719.2	13375.8	13958.0
22.5°	6378.7	7386.6	8374.3	9359.6	10343.1	11314.6	12253.7	13157.5	13994.9	14742.5	15397.9
20°	6956.7	8010.3	9066.5	10128.7	11194.8	12258.2	13313.0	14330.1	15263.0	16126.2	16884.7
17.5°	7474.9	8595.4	9715.2	10851.4	12007.2	13161.6	14333.3	15473.5	16540.0	17522.1	18402.0
15°	7933.8	9103.0	10305.6	11531.7	12772.7	14026.5	15305.1	16580.8	17781.3	18896.8	19879.1
12.5°	8335.0	9550.6	10811.1	12113.8	13460.7	14826.6	16222.0	17620.3	18949.4	20237.2	21297.9
10°	8666.0	9931.3	11248.7	12617.5	14038.0	15508.0	17005.0	18510.3	19974.5	21340.7	22553.7
7.5°	8921.7	10234.3	11591.9	13015.6	14505.8	16056.0	17641.8	19239.2	20801.8	22273.9	23616.0
5°	9102.1	10454.9	11829.6	13310.5	14852.5	16458.9	18107.2	19771.8	21405.3	22953.1	24344.0
2.5°	9206.8	10587.4	11967.9	13489.7	15058.7	16702.7	18395.7	20087.6	21764.3	23369.6	24799.0
0°	9234.4	10627.1	12047.3	13508.8	15123.5	16816.8	18449.1	20146.3	21888.7	23472.0	24896.1
-2.5°	9206.8	10587.4	11967.9	13489.7	15058.7	16702.7	18395.7	20087.6	21764.3	23369.6	24799.0
-5°	9102.1	10454.9	11829.6	13310.5	14852.5	16458.9	18107.2	19771.8	21405.3	22953.1	24344.0
-7.5°	8921.7	10234.3	11591.9	13015.6	14505.8	16056.0	17641.8	19239.2	20801.8	22273.9	23616.0
-10°	8666.0	9931.3	11248.7	12617.5	14038.0	15508.0	17005.0	18510.3	19974.5	21340.7	22553.7
-12.5°	8335.0	9550.6	10811.1	12113.8	13460.7	14826.6	16222.0	17620.3	18949.4	20237.2	21297.9
-15°	7933.8	9103.0	10305.6	11531.7	12772.7	14026.5	15305.1	16580.8	17781.3	18896.8	19879.1
-17.5°	7474.9	8595.4	9715.2	10851.4	12007.2	13161.6	14333.3	15473.5	16540.0	17522.1	18402.0
-20°	6956.7	8010.3	9066.5	10128.7	11194.8	12258.2	13313.0	14330.1	15263.0	16126.2	16884.7



REPORT NUMBER: P627673 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6378.7	7386.6	8374.3	9359.6	10343.1	11314.6	12253.7	13157.5	13994.9	14742.5	15397.9
-25°	5754.6	6717.5	7641.8	8558.2	9473.8	10345.2	11181.6	11970.4	12719.2	13375.8	13958.0
-27.5°	5130.4	6002.1	6871.5	7712.0	8553.1	9364.7	10112.8	10811.2	11465.0	12037.0	12558.5
-30°	4485.1	5271.7	6069.0	6848.7	7613.2	8354.8	9045.1	9673.8	10243.5	10749.6	11205.9
-32.5°	3977.3	4553.8	5264.2	5974.9	6674.9	7352.0	7980.9	8551.7	9055.9	9510.5	9906.5
-35°	3494.3	3974.6	4482.1	5114.8	5728.4	6343.3	6916.2	7439.5	7899.3	8304.2	8648.5
-37.5°	3074.4	3452.4	3871.4	4304.7	4828.5	5341.9	5849.1	6327.9	6750.6	7109.5	7410.6
-40°	2704.5	2998.1	3331.6	3664.3	4047.1	4406.8	4840.0	5233.8	5591.3	5919.3	6188.0
-42.5°	2371.7	2617.3	2866.3	3141.2	3407.8	3687.9	3985.3	4249.2	4537.6	4812.6	5034.8
-45°	2103.1	2287.5	2476.9	2695.1	2896.1	3116.7	3320.8	3504.1	3721.6	3913.2	4067.5
-47.5°	1861.1	2005.7	2162.5	2317.7	2476.0	2647.7	2800.9	2943.3	3096.6	3229.8	3336.6
-50°	1643.3	1760.8	1887.4	2004.5	2132.0	2257.6	2373.3	2485.5	2595.2	2690.1	2766.8
-52.5°	1452.0	1552.0	1647.9	1742.4	1843.5	1934.7	2016.4	2109.5	2192.0	2260.2	2313.3
-55°	1291.9	1368.8	1441.2	1521.6	1599.6	1670.8	1736.2	1803.4	1863.8	1917.1	1959.3
-57.5°	1143.3	1206.2	1267.1	1330.5	1390.2	1445.8	1500.1	1550.3	1593.6	1630.1	1659.9
-60°	1006.4	1058.1	1111.6	1161.6	1207.8	1250.3	1294.3	1333.3	1367.4	1395.9	1417.2
-62.5°	878.0	925.1	964.6	1003.7	1044.1	1083.3	1107.8	1132.4	1156.4	1179.1	1198.5
-65°	744.5	783.4	818.0	847.3	871.8	900.2	925.3	944.4	957.9	968.1	976.9
-67.5°	631.3	657.1	682.4	704.2	726.9	748.1	766.8	782.4	794.8	803.0	807.6
-70°	530.4	552.3	573.6	593.5	612.6	627.7	639.5	649.8	658.3	659.9	659.2
-72.5°	439.5	460.6	480.8	500.0	516.9	528.1	535.4	541.4	546.2	531.3	509.9
-75°	356.8	376.8	395.4	412.7	428.7	437.2	442.1	446.2	449.4	423.4	389.2
-77.5°	284.4	301.1	314.4	327.6	340.6	345.4	347.7	349.5	350.7	324.8	292.9
-80°	204.5	217.3	227.9	238.0	247.7	250.2	250.1	248.7	246.0	225.1	201.4
-82.5°	130.0	136.0	141.4	146.7	151.9	155.5	158.2	160.2	161.5	146.2	129.0
-85°	63.9	65.3	66.1	66.5	66.5	68.6	70.6	72.4	74.0	67.1	59.5
-87.5°	14.5	14.1	13.6	13.1	12.5	12.3	12.0	11.7	11.4	10.6	9.7
-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: P627673 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-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°	8.8	7.9	6.9	5.9	6.9	7.9	8.8	9.7	10.6	11.4	11.7
85°	51.4	43.0	42.2	41.3	42.2	43.0	51.4	59.5	67.1	74.0	72.4
82.5°	110.9	92.1	89.2	86.4	89.2	92.1	110.9	129.0	146.2	161.5	160.2
80°	176.7	151.2	146.2	141.4	146.2	151.2	176.7	201.4	225.1	246.0	248.7
77.5°	259.3	224.2	214.0	204.3	214.0	224.2	259.3	292.9	324.8	350.7	349.5
75°	353.6	316.8	304.4	292.7	304.4	316.8	353.6	389.2	423.4	449.4	446.2
72.5°	488.3	465.8	443.2	418.4	443.2	465.8	488.3	509.9	531.3	546.2	541.4
70°	658.4	656.8	651.1	642.3	651.1	656.8	658.4	659.2	659.9	658.3	649.8
67.5°	809.5	808.9	810.9	811.3	810.9	808.9	809.5	807.6	803.0	794.8	782.4
65°	982.3	984.1	988.2	990.0	988.2	984.1	982.3	976.9	968.1	957.9	944.4
62.5°	1213.3	1223.3	1228.3	1227.7	1228.3	1223.3	1213.3	1198.5	1179.1	1156.4	1132.4
60°	1433.0	1443.4	1450.0	1451.7	1450.0	1443.4	1433.0	1417.2	1395.9	1367.4	1333.3
57.5°	1683.5	1700.6	1709.7	1710.9	1709.7	1700.6	1683.5	1659.9	1630.1	1593.6	1550.3
55°	1991.7	2014.3	2024.5	2023.3	2024.5	2014.3	1991.7	1959.3	1917.1	1863.8	1803.4
52.5°	2353.5	2381.0	2401.7	2414.2	2401.7	2381.0	2353.5	2313.3	2260.2	2192.0	2109.5
50°	2824.5	2864.0	2889.1	2899.4	2889.1	2864.0	2824.5	2766.8	2690.1	2595.2	2485.5
47.5°	3413.8	3466.1	3504.9	3531.9	3504.9	3466.1	3413.8	3336.6	3229.8	3096.6	2943.3
45°	4181.4	4261.3	4315.4	4347.1	4315.4	4261.3	4181.4	4067.5	3913.2	3721.6	3504.1
42.5°	5208.4	5332.3	5408.2	5437.3	5408.2	5332.3	5208.4	5034.8	4812.6	4537.6	4249.2
40°	6400.3	6549.1	6646.7	6714.1	6646.7	6549.1	6400.3	6188.0	5919.3	5591.3	5233.8
37.5°	7641.7	7798.0	7893.0	7957.6	7893.0	7798.0	7641.7	7410.6	7109.5	6750.6	6327.9
35°	8908.1	9071.7	9160.9	9210.8	9160.9	9071.7	8908.1	8648.5	8304.2	7899.3	7439.5
32.5°	10208.3	10388.6	10485.6	10585.9	10485.6	10388.6	10208.3	9906.5	9510.5	9055.9	8551.7
30°	11566.3	11773.2	11874.7	11923.6	11874.7	11773.2	11566.3	11205.9	10749.6	10243.5	9673.8
27.5°	12979.4	13237.3	13364.3	13447.9	13364.3	13237.3	12979.4	12558.5	12037.0	11465.0	10811.2
25°	14449.7	14769.2	14914.7	15044.9	14914.7	14769.2	14449.7	13958.0	13375.8	12719.2	11970.4
22.5°	15975.2	16373.1	16541.6	16634.1	16541.6	16373.1	15975.2	15397.9	14742.5	13994.9	13157.5
20°	17540.5	18016.0	18250.1	18370.6	18250.1	18016.0	17540.5	16884.7	16126.2	15263.0	14330.1
17.5°	19141.1	19732.6	20035.5	20105.1	20035.5	19732.6	19141.1	18402.0	17522.1	16540.0	15473.5
15°	20712.5	21352.3	21710.4	21841.6	21710.4	21352.3	20712.5	19879.1	18896.8	17781.3	16580.8
12.5°	22200.7	22863.7	23291.6	23367.9	23291.6	22863.7	22200.7	21297.9	20237.2	18949.4	17620.3
10°	23550.3	24237.2	24709.9	24817.6	24709.9	24237.2	23550.3	22553.7	21340.7	19974.5	18510.3
7.5°	24678.6	25432.3	25954.4	26045.3	25954.4	25432.3	24678.6	23616.0	22273.9	20801.8	19239.2
5°	25504.1	26398.9	26827.6	26935.1	26827.6	26398.9	25504.1	24344.0	22953.1	21405.3	19771.8
2.5°	25957.0	26867.9	27463.6	27394.8	27463.6	26867.9	25957.0	24799.0	23369.6	21764.3	20087.6
0°	26008.0	26960.7	27530.3	27793.5	27530.3	26960.7	26008.0	24896.1	23472.0	21888.7	20146.3
-2.5°	25957.0	26867.9	27463.6	27394.8	27463.6	26867.9	25957.0	24799.0	23369.6	21764.3	20087.6
-5°	25504.1	26398.9	26827.6	26935.1	26827.6	26398.9	25504.1	24344.0	22953.1	21405.3	19771.8
-7.5°	24678.6	25432.3	25954.4	26045.3	25954.4	25432.3	24678.6	23616.0	22273.9	20801.8	19239.2
-10°	23550.3	24237.2	24709.9	24817.6	24709.9	24237.2	23550.3	22553.7	21340.7	19974.5	18510.3
-12.5°	22200.7	22863.7	23291.6	23367.9	23291.6	22863.7	22200.7	21297.9	20237.2	18949.4	17620.3
-15°	20712.5	21352.3	21710.4	21841.6	21710.4	21352.3	20712.5	19879.1	18896.8	17781.3	16580.8
-17.5°	19141.1	19732.6	20035.5	20105.1	20035.5	19732.6	19141.1	18402.0	17522.1	16540.0	15473.5
-20°	17540.5	18016.0	18250.1	18370.6	18250.1	18016.0	17540.5	16884.7	16126.2	15263.0	14330.1



REPORT NUMBER: P627673 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-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°	15975.2	16373.1	16541.6	16634.1	16541.6	16373.1	15975.2	15397.9	14742.5	13994.9	13157.5
-25°	14449.7	14769.2	14914.7	15044.9	14914.7	14769.2	14449.7	13958.0	13375.8	12719.2	11970.4
-27.5°	12979.4	13237.3	13364.3	13447.9	13364.3	13237.3	12979.4	12558.5	12037.0	11465.0	10811.2
-30°	11566.3	11773.2	11874.7	11923.6	11874.7	11773.2	11566.3	11205.9	10749.6	10243.5	9673.8
-32.5°	10208.3	10388.6	10485.6	10585.9	10485.6	10388.6	10208.3	9906.5	9510.5	9055.9	8551.7
-35°	8908.1	9071.7	9160.9	9210.8	9160.9	9071.7	8908.1	8648.5	8304.2	7899.3	7439.5
-37.5°	7641.7	7798.0	7893.0	7957.6	7893.0	7798.0	7641.7	7410.6	7109.5	6750.6	6327.9
-40°	6400.3	6549.1	6646.7	6714.1	6646.7	6549.1	6400.3	6188.0	5919.3	5591.3	5233.8
-42.5°	5208.4	5332.3	5408.2	5437.3	5408.2	5332.3	5208.4	5034.8	4812.6	4537.6	4249.2
-45°	4181.4	4261.3	4315.4	4347.1	4315.4	4261.3	4181.4	4067.5	3913.2	3721.6	3504.1
-47.5°	3413.8	3466.1	3504.9	3531.9	3504.9	3466.1	3413.8	3336.6	3229.8	3096.6	2943.3
-50°	2824.5	2864.0	2889.1	2899.4	2889.1	2864.0	2824.5	2766.8	2690.1	2595.2	2485.5
-52.5°	2353.5	2381.0	2401.7	2414.2	2401.7	2381.0	2353.5	2313.3	2260.2	2192.0	2109.5
-55°	1991.7	2014.3	2024.5	2023.3	2024.5	2014.3	1991.7	1959.3	1917.1	1863.8	1803.4
-57.5°	1683.5	1700.6	1709.7	1710.9	1709.7	1700.6	1683.5	1659.9	1630.1	1593.6	1550.3
-60°	1433.0	1443.4	1450.0	1451.7	1450.0	1443.4	1433.0	1417.2	1395.9	1367.4	1333.3
-62.5°	1213.3	1223.3	1228.3	1227.7	1228.3	1223.3	1213.3	1198.5	1179.1	1156.4	1132.4
-65°	982.3	984.1	988.2	990.0	988.2	984.1	982.3	976.9	968.1	957.9	944.4
-67.5°	809.5	808.9	810.9	811.3	810.9	808.9	809.5	807.6	803.0	794.8	782.4
-70°	658.4	656.8	651.1	642.3	651.1	656.8	658.4	659.2	659.9	658.3	649.8
-72.5°	488.3	465.8	443.2	418.4	443.2	465.8	488.3	509.9	531.3	546.2	541.4
-75°	353.6	316.8	304.4	292.7	304.4	316.8	353.6	389.2	423.4	449.4	446.2
-77.5°	259.3	224.2	214.0	204.3	214.0	224.2	259.3	292.9	324.8	350.7	349.5
-80°	176.7	151.2	146.2	141.4	146.2	151.2	176.7	201.4	225.1	246.0	248.7
-82.5°	110.9	92.1	89.2	86.4	89.2	92.1	110.9	129.0	146.2	161.5	160.2
-85°	51.4	43.0	42.2	41.3	42.2	43.0	51.4	59.5	67.1	74.0	72.4
-87.5°	8.8	7.9	6.9	5.9	6.9	7.9	8.8	9.7	10.6	11.4	11.7
-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: P627673 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-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°	12.0	12.3	12.5	13.1	13.6	14.1	14.5	14.0	13.6	13.0	12.5
85°	70.6	68.6	66.5	66.5	66.1	65.3	63.9	57.3	51.0	45.0	39.8
82.5°	158.2	155.5	151.9	146.7	141.4	136.0	130.0	116.1	102.8	90.1	79.6
80°	250.1	250.2	247.7	238.0	227.9	217.3	204.5	182.7	161.5	141.9	128.0
77.5°	347.7	345.4	340.6	327.6	314.4	301.1	284.4	256.1	227.9	200.8	183.2
75°	442.1	437.2	428.7	412.7	395.4	376.8	356.8	332.4	304.4	272.6	249.4
72.5°	535.4	528.1	516.9	500.0	480.8	460.6	439.5	415.6	388.1	356.9	333.5
70°	639.5	627.7	612.6	593.5	573.6	552.3	530.4	505.8	477.3	446.2	421.5
67.5°	766.8	748.1	726.9	704.2	682.4	657.1	631.3	603.4	574.5	541.8	510.7
65°	925.3	900.2	871.8	847.3	818.0	783.4	744.5	710.6	677.1	640.3	599.5
62.5°	1107.8	1083.3	1044.1	1003.7	964.6	925.1	878.0	830.5	784.7	738.5	690.9
60°	1294.3	1250.3	1207.8	1161.6	1111.6	1058.1	1006.4	952.2	895.5	840.0	783.0
57.5°	1500.1	1445.8	1390.2	1330.5	1267.1	1206.2	1143.3	1075.9	1011.6	944.3	876.3
55°	1736.2	1670.8	1599.6	1521.6	1441.2	1368.8	1291.9	1214.7	1136.5	1051.8	976.7
52.5°	2016.4	1934.7	1843.5	1742.4	1647.9	1552.0	1452.0	1364.4	1268.9	1174.8	1081.3
50°	2373.3	2257.6	2132.0	2004.5	1887.4	1760.8	1643.3	1528.0	1412.5	1303.5	1194.6
47.5°	2800.9	2647.7	2476.0	2317.7	2162.5	2005.7	1861.1	1708.6	1576.1	1438.9	1317.8
45°	3320.8	3116.7	2896.1	2695.1	2476.9	2287.5	2103.1	1927.8	1753.7	1598.7	1444.2
42.5°	3985.3	3687.9	3407.8	3141.2	2866.3	2617.3	2371.7	2163.9	1959.6	1767.7	1593.5
40°	4840.0	4406.8	4047.1	3664.3	3331.6	2998.1	2704.5	2416.6	2184.4	1957.1	1744.6
37.5°	5849.1	5341.9	4828.5	4304.7	3871.4	3452.4	3074.4	2735.4	2419.6	2161.2	1916.0
35°	6916.2	6343.3	5728.4	5114.8	4482.1	3974.6	3494.3	3076.6	2708.1	2374.9	2092.3
32.5°	7980.9	7352.0	6674.9	5974.9	5264.2	4553.8	3977.3	3459.9	2998.9	2619.4	2285.0
30°	9045.1	8354.8	7613.2	6848.7	6069.0	5271.7	4485.1	3880.7	3339.4	2863.5	2478.8
27.5°	10112.8	9364.7	8553.1	7712.0	6871.5	6002.1	5130.4	4314.9	3682.6	3144.8	2691.6
25°	11181.6	10345.2	9473.8	8558.2	7641.8	6717.5	5754.6	4845.3	4067.5	3426.2	2887.7
22.5°	12253.7	11314.6	10343.1	9359.6	8374.3	7386.6	6378.7	5365.0	4432.1	3712.5	3117.2
20°	13313.0	12258.2	11194.8	10128.7	9066.5	8010.3	6956.7	5874.6	4860.8	4008.8	3331.4
17.5°	14333.3	13161.6	12007.2	10851.4	9715.2	8595.4	7474.9	6344.8	5243.6	4272.6	3520.5
15°	15305.1	14026.5	12772.7	11531.7	10305.6	9103.0	7933.8	6757.7	5591.7	4547.7	3727.9
12.5°	16222.0	14826.6	13460.7	12113.8	10811.1	9550.6	8335.0	7120.1	5919.6	4815.7	3912.7
10°	17005.0	15508.0	14038.0	12617.5	11248.7	9931.3	8666.0	7426.8	6200.7	5038.7	4063.9
7.5°	17641.8	16056.0	14505.8	13015.6	11591.9	10234.3	8921.7	7662.1	6423.2	5213.1	4180.6
5°	18107.2	16458.9	14852.5	13310.5	11829.6	10454.9	9102.1	7823.0	6584.5	5337.0	4262.2
2.5°	18395.7	16702.7	15058.7	13489.7	11967.9	10587.4	9206.8	7920.2	6676.6	5405.2	4313.4
0°	18449.1	16816.8	15123.5	13508.8	12047.3	10627.1	9234.4	7955.6	6700.4	5419.6	4329.4
-2.5°	18395.7	16702.7	15058.7	13489.7	11967.9	10587.4	9206.8	7920.2	6676.6	5405.2	4313.4
-5°	18107.2	16458.9	14852.5	13310.5	11829.6	10454.9	9102.1	7823.0	6584.5	5337.0	4262.2
-7.5°	17641.8	16056.0	14505.8	13015.6	11591.9	10234.3	8921.7	7662.1	6423.2	5213.1	4180.6
-10°	17005.0	15508.0	14038.0	12617.5	11248.7	9931.3	8666.0	7426.8	6200.7	5038.7	4063.9
-12.5°	16222.0	14826.6	13460.7	12113.8	10811.1	9550.6	8335.0	7120.1	5919.6	4815.7	3912.7
-15°	15305.1	14026.5	12772.7	11531.7	10305.6	9103.0	7933.8	6757.7	5591.7	4547.7	3727.9
-17.5°	14333.3	13161.6	12007.2	10851.4	9715.2	8595.4	7474.9	6344.8	5243.6	4272.6	3520.5
-20°	13313.0	12258.2	11194.8	10128.7	9066.5	8010.3	6956.7	5874.6	4860.8	4008.8	3331.4



REPORT NUMBER: P627673 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12253.7	11314.6	10343.1	9359.6	8374.3	7386.6	6378.7	5365.0	4432.1	3712.5	3117.2
-25°	11181.6	10345.2	9473.8	8558.2	7641.8	6717.5	5754.6	4845.3	4067.5	3426.2	2887.7
-27.5°	10112.8	9364.7	8553.1	7712.0	6871.5	6002.1	5130.4	4314.9	3682.6	3144.8	2691.6
-30°	9045.1	8354.8	7613.2	6848.7	6069.0	5271.7	4485.1	3880.7	3339.4	2863.5	2478.8
-32.5°	7980.9	7352.0	6674.9	5974.9	5264.2	4553.8	3977.3	3459.9	2998.9	2619.4	2285.0
-35°	6916.2	6343.3	5728.4	5114.8	4482.1	3974.6	3494.3	3076.6	2708.1	2374.9	2092.3
-37.5°	5849.1	5341.9	4828.5	4304.7	3871.4	3452.4	3074.4	2735.4	2419.6	2161.2	1916.0
-40°	4840.0	4406.8	4047.1	3664.3	3331.6	2998.1	2704.5	2416.6	2184.4	1957.1	1744.6
-42.5°	3985.3	3687.9	3407.8	3141.2	2866.3	2617.3	2371.7	2163.9	1959.6	1767.7	1593.5
-45°	3320.8	3116.7	2896.1	2695.1	2476.9	2287.5	2103.1	1927.8	1753.7	1598.7	1444.2
-47.5°	2800.9	2647.7	2476.0	2317.7	2162.5	2005.7	1861.1	1708.6	1576.1	1438.9	1317.8
-50°	2373.3	2257.6	2132.0	2004.5	1887.4	1760.8	1643.3	1528.0	1412.5	1303.5	1194.6
-52.5°	2016.4	1934.7	1843.5	1742.4	1647.9	1552.0	1452.0	1364.4	1268.9	1174.8	1081.3
-55°	1736.2	1670.8	1599.6	1521.6	1441.2	1368.8	1291.9	1214.7	1136.5	1051.8	976.7
-57.5°	1500.1	1445.8	1390.2	1330.5	1267.1	1206.2	1143.3	1075.9	1011.6	944.3	876.3
-60°	1294.3	1250.3	1207.8	1161.6	1111.6	1058.1	1006.4	952.2	895.5	840.0	783.0
-62.5°	1107.8	1083.3	1044.1	1003.7	964.6	925.1	878.0	830.5	784.7	738.5	690.9
-65°	925.3	900.2	871.8	847.3	818.0	783.4	744.5	710.6	677.1	640.3	599.5
-67.5°	766.8	748.1	726.9	704.2	682.4	657.1	631.3	603.4	574.5	541.8	510.7
-70°	639.5	627.7	612.6	593.5	573.6	552.3	530.4	505.8	477.3	446.2	421.5
-72.5°	535.4	528.1	516.9	500.0	480.8	460.6	439.5	415.6	388.1	356.9	333.5
-75°	442.1	437.2	428.7	412.7	395.4	376.8	356.8	332.4	304.4	272.6	249.4
-77.5°	347.7	345.4	340.6	327.6	314.4	301.1	284.4	256.1	227.9	200.8	183.2
-80°	250.1	250.2	247.7	238.0	227.9	217.3	204.5	182.7	161.5	141.9	128.0
-82.5°	158.2	155.5	151.9	146.7	141.4	136.0	130.0	116.1	102.8	90.1	79.6
-85°	70.6	68.6	66.5	66.5	66.1	65.3	63.9	57.3	51.0	45.0	39.8
-87.5°	12.0	12.3	12.5	13.1	13.6	14.1	14.5	14.0	13.6	13.0	12.5
-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: P627673 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-722-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°	14.0	15.2	16.2	16.9	17.4	17.7	17.7	17.5	16.7	15.8	14.6
85°	41.7	42.5	42.4	41.1	38.4	35.5	35.5	34.9	33.5	31.6	29.3
82.5°	82.7	85.3	86.7	86.1	80.8	75.2	69.2	62.9	56.1	48.4	43.9
80°	132.9	135.8	136.8	134.5	125.0	114.8	106.0	96.9	88.0	77.9	66.6
77.5°	187.0	189.2	189.8	186.3	174.2	161.1	147.1	132.4	119.9	107.3	93.3
75°	245.3	246.0	245.5	239.1	224.3	207.5	190.4	172.1	153.8	136.7	119.9
72.5°	320.9	310.6	302.8	292.6	276.3	257.3	235.6	211.3	188.1	166.3	146.0
70°	399.9	378.1	361.2	345.6	327.5	307.5	283.4	252.8	221.8	195.4	170.7
67.5°	482.5	455.4	428.2	399.8	377.6	355.0	330.6	293.9	256.6	223.8	194.9
65°	562.8	529.5	498.7	461.7	429.4	401.8	374.3	332.7	290.2	251.9	218.5
62.5°	643.8	599.0	560.4	520.5	481.5	447.3	416.2	368.9	322.4	278.9	240.9
60°	727.0	674.5	622.0	575.8	531.8	490.3	451.7	403.9	353.5	304.6	262.1
57.5°	813.2	750.2	690.1	632.6	581.3	533.5	485.7	436.2	383.6	330.6	281.3
55°	900.2	829.0	758.5	692.6	631.8	577.4	521.0	467.0	412.4	356.1	296.5
52.5°	993.6	910.1	830.6	753.6	684.0	620.1	558.8	497.2	439.9	380.5	313.1
50°	1092.4	996.1	905.2	819.1	735.9	664.8	595.6	530.4	466.7	404.0	328.6
47.5°	1196.4	1087.2	983.8	885.2	794.8	707.9	634.1	562.9	492.8	427.3	342.8
45°	1310.8	1181.0	1064.5	956.3	851.2	757.0	672.2	594.3	521.0	444.0	355.6
42.5°	1425.8	1282.1	1148.3	1025.1	912.8	806.4	708.6	626.9	548.1	459.2	368.0
40°	1558.3	1385.6	1232.5	1099.0	973.5	853.6	750.5	658.4	573.4	474.4	380.2
37.5°	1687.6	1496.9	1324.5	1169.5	1033.4	907.0	791.1	688.3	593.4	490.9	391.2
35°	1840.0	1611.8	1412.1	1244.2	1095.1	957.8	829.2	718.9	615.3	506.8	400.9
32.5°	1988.0	1728.8	1510.6	1320.7	1153.3	1005.8	869.7	750.2	637.6	521.9	409.5
30°	2150.5	1856.0	1603.6	1392.2	1211.2	1055.3	910.5	779.6	660.1	536.2	417.8
27.5°	2306.7	1973.3	1694.0	1468.0	1272.3	1101.6	948.2	807.2	682.6	551.0	428.2
25°	2461.5	2100.1	1793.6	1540.3	1328.4	1143.7	982.8	833.0	704.8	567.7	437.5
22.5°	2629.5	2222.7	1883.4	1605.2	1379.1	1182.1	1015.9	861.2	725.1	583.6	445.6
20°	2784.0	2333.4	1963.6	1667.3	1429.5	1223.5	1046.8	886.5	743.3	598.6	452.5
17.5°	2929.6	2445.9	2053.1	1734.5	1477.2	1260.1	1074.1	908.7	759.4	612.3	458.0
15°	3082.5	2557.8	2133.6	1792.7	1518.5	1291.6	1097.5	927.7	773.3	624.7	463.3
12.5°	3213.1	2652.3	2201.3	1841.7	1553.2	1318.0	1117.0	943.6	784.9	635.2	468.1
10°	3320.7	2729.1	2255.9	1881.2	1581.1	1339.2	1132.6	956.5	794.5	643.4	470.7
7.5°	3404.4	2787.7	2297.2	1911.1	1602.5	1355.7	1145.5	966.5	802.0	649.1	471.3
5°	3463.0	2828.6	2327.5	1932.1	1618.8	1367.6	1154.7	973.1	807.0	652.2	469.9
2.5°	3493.7	2851.8	2346.1	1943.3	1628.1	1374.0	1159.9	976.4	809.5	652.7	466.6
0°	3498.5	2856.2	2351.3	1944.7	1630.4	1375.0	1160.9	976.3	809.3	650.2	461.6
-2.5°	3493.7	2851.8	2346.1	1943.3	1628.1	1374.0	1159.9	976.4	809.5	652.7	466.6
-5°	3463.0	2828.6	2327.5	1932.1	1618.8	1367.6	1154.7	973.1	807.0	652.2	469.9
-7.5°	3404.4	2787.7	2297.2	1911.1	1602.5	1355.7	1145.5	966.5	802.0	649.1	471.3
-10°	3320.7	2729.1	2255.9	1881.2	1581.1	1339.2	1132.6	956.5	794.5	643.4	470.7
-12.5°	3213.1	2652.3	2201.3	1841.7	1553.2	1318.0	1117.0	943.6	784.9	635.2	468.1
-15°	3082.5	2557.8	2133.6	1792.7	1518.5	1291.6	1097.5	927.7	773.3	624.7	463.3
-17.5°	2929.6	2445.9	2053.1	1734.5	1477.2	1260.1	1074.1	908.7	759.4	612.3	458.0
-20°	2784.0	2333.4	1963.6	1667.3	1429.5	1223.5	1046.8	886.5	743.3	598.6	452.5

Classified

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



REPORT NUMBER: P627673 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-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°	2629.5	2222.7	1883.4	1605.2	1379.1	1182.1	1015.9	861.2	725.1	583.6	445.6
-25°	2461.5	2100.1	1793.6	1540.3	1328.4	1143.7	982.8	833.0	704.8	567.7	437.5
-27.5°	2306.7	1973.3	1694.0	1468.0	1272.3	1101.6	948.2	807.2	682.6	551.0	428.2
-30°	2150.5	1856.0	1603.6	1392.2	1211.2	1055.3	910.5	779.6	660.1	536.2	417.8
-32.5°	1988.0	1728.8	1510.6	1320.7	1153.3	1005.8	869.7	750.2	637.6	521.9	409.5
-35°	1840.0	1611.8	1412.1	1244.2	1095.1	957.8	829.2	718.9	615.3	506.8	400.9
-37.5°	1687.6	1496.9	1324.5	1169.5	1033.4	907.0	791.1	688.3	593.4	490.9	391.2
-40°	1558.3	1385.6	1232.5	1099.0	973.5	853.6	750.5	658.4	573.4	474.4	380.2
-42.5°	1425.8	1282.1	1148.3	1025.1	912.8	806.4	708.6	626.9	548.1	459.2	368.0
-45°	1310.8	1181.0	1064.5	956.3	851.2	757.0	672.2	594.3	521.0	444.0	355.6
-47.5°	1196.4	1087.2	983.8	885.2	794.8	707.9	634.1	562.9	492.8	427.3	342.8
-50°	1092.4	996.1	905.2	819.1	735.9	664.8	595.6	530.4	466.7	404.0	328.6
-52.5°	993.6	910.1	830.6	753.6	684.0	620.1	558.8	497.2	439.9	380.5	313.1
-55°	900.2	829.0	758.5	692.6	631.8	577.4	521.0	467.0	412.4	356.1	296.5
-57.5°	813.2	750.2	690.1	632.6	581.3	533.5	485.7	436.2	383.6	330.6	281.3
-60°	727.0	674.5	622.0	575.8	531.8	490.3	451.7	403.9	353.5	304.6	262.1
-62.5°	643.8	599.0	560.4	520.5	481.5	447.3	416.2	368.9	322.4	278.9	240.9
-65°	562.8	529.5	498.7	461.7	429.4	401.8	374.3	332.7	290.2	251.9	218.5
-67.5°	482.5	455.4	428.2	399.8	377.6	355.0	330.6	293.9	256.6	223.8	194.9
-70°	399.9	378.1	361.2	345.6	327.5	307.5	283.4	252.8	221.8	195.4	170.7
-72.5°	320.9	310.6	302.8	292.6	276.3	257.3	235.6	211.3	188.1	166.3	146.0
-75°	245.3	246.0	245.5	239.1	224.3	207.5	190.4	172.1	153.8	136.7	119.9
-77.5°	187.0	189.2	189.8	186.3	174.2	161.1	147.1	132.4	119.9	107.3	93.3
-80°	132.9	135.8	136.8	134.5	125.0	114.8	106.0	96.9	88.0	77.9	66.6
-82.5°	82.7	85.3	86.7	86.1	80.8	75.2	69.2	62.9	56.1	48.4	43.9
-85°	41.7	42.5	42.4	41.1	38.4	35.5	35.5	34.9	33.5	31.6	29.3
-87.5°	14.0	15.2	16.2	16.9	17.4	17.7	17.7	17.5	16.7	15.8	14.6
-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: P627673 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-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°	13.2	10.3	7.7	5.3	3.2	1.4	0.0
85°	26.4	20.6	15.3	10.6	6.5	2.8	0.0
82.5°	39.4	30.8	22.9	15.9	9.7	4.2	0.0
80°	53.6	40.8	30.4	21.1	12.9	5.6	0.0
77.5°	76.4	53.1	37.8	26.2	16.0	7.0	0.0
75°	98.7	69.4	45.8	31.3	19.1	8.3	0.0
72.5°	120.2	85.2	56.7	36.2	22.1	9.7	0.0
70°	140.6	100.4	67.3	41.4	25.1	11.0	0.0
67.5°	158.4	115.0	77.4	47.9	27.9	12.3	0.0
65°	175.2	128.3	87.0	54.0	30.7	13.5	0.0
62.5°	191.2	140.5	96.0	59.9	33.4	14.7	0.0
60°	206.1	152.0	104.4	65.4	36.0	15.9	0.0
57.5°	219.5	162.6	112.3	70.5	39.1	17.0	0.0
55°	232.0	172.5	119.6	75.2	42.1	18.1	0.0
52.5°	243.4	181.5	126.4	79.6	45.0	19.1	0.0
50°	253.7	189.7	132.5	83.5	47.7	20.1	0.0
47.5°	263.3	197.2	137.9	87.1	50.4	21.0	0.0
45°	274.0	203.8	142.7	90.6	52.9	21.9	0.0
42.5°	283.7	209.5	146.9	93.7	55.2	22.7	0.0
40°	292.1	214.3	150.6	97.2	57.4	23.5	0.0
37.5°	299.3	218.3	153.9	100.7	59.5	24.2	0.0
35°	305.3	222.8	156.6	103.9	61.4	24.8	0.0
32.5°	310.8	227.0	158.7	106.8	63.2	25.4	0.0
30°	316.9	230.3	160.1	109.5	64.7	25.9	0.0
27.5°	321.9	232.6	163.6	111.8	66.2	26.4	0.0
25°	325.8	234.0	166.9	113.9	67.4	26.8	0.0
22.5°	328.5	235.9	169.8	115.6	68.5	27.1	0.0
20°	330.1	240.2	172.3	117.0	69.4	27.4	0.0
17.5°	333.8	243.7	174.3	118.2	70.2	27.6	0.0
15°	338.3	246.4	176.0	119.0	70.8	27.8	0.0
12.5°	341.5	248.5	177.2	119.6	71.2	27.9	0.0
10°	343.5	249.7	178.0	119.8	71.4	27.9	0.0
7.5°	344.3	250.2	178.4	119.8	71.5	27.9	0.0
5°	343.9	250.0	178.3	119.4	71.4	27.8	0.0
2.5°	342.4	249.1	177.8	118.8	71.1	27.7	0.0
0°	339.8	247.5	176.8	117.9	70.7	27.5	0.0
-2.5°	342.4	249.1	177.8	118.8	71.1	27.7	0.0
-5°	343.9	250.0	178.3	119.4	71.4	27.8	0.0
-7.5°	344.3	250.2	178.4	119.8	71.5	27.9	0.0
-10°	343.5	249.7	178.0	119.8	71.4	27.9	0.0
-12.5°	341.5	248.5	177.2	119.6	71.2	27.9	0.0
-15°	338.3	246.4	176.0	119.0	70.8	27.8	0.0
-17.5°	333.8	243.7	174.3	118.2	70.2	27.6	0.0
-20°	330.1	240.2	172.3	117.0	69.4	27.4	0.0

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REPORT NUMBER: P627673 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	328.5	235.9	169.8	115.6	68.5	27.1	0.0
-25°	325.8	234.0	166.9	113.9	67.4	26.8	0.0
-27.5°	321.9	232.6	163.6	111.8	66.2	26.4	0.0
-30°	316.9	230.3	160.1	109.5	64.7	25.9	0.0
-32.5°	310.8	227.0	158.7	106.8	63.2	25.4	0.0
-35°	305.3	222.8	156.6	103.9	61.4	24.8	0.0
-37.5°	299.3	218.3	153.9	100.7	59.5	24.2	0.0
-40°	292.1	214.3	150.6	97.2	57.4	23.5	0.0
-42.5°	283.7	209.5	146.9	93.7	55.2	22.7	0.0
-45°	274.0	203.8	142.7	90.6	52.9	21.9	0.0
-47.5°	263.3	197.2	137.9	87.1	50.4	21.0	0.0
-50°	253.7	189.7	132.5	83.5	47.7	20.1	0.0
-52.5°	243.4	181.5	126.4	79.6	45.0	19.1	0.0
-55°	232.0	172.5	119.6	75.2	42.1	18.1	0.0
-57.5°	219.5	162.6	112.3	70.5	39.1	17.0	0.0
-60°	206.1	152.0	104.4	65.4	36.0	15.9	0.0
-62.5°	191.2	140.5	96.0	59.9	33.4	14.7	0.0
-65°	175.2	128.3	87.0	54.0	30.7	13.5	0.0
-67.5°	158.4	115.0	77.4	47.9	27.9	12.3	0.0
-70°	140.6	100.4	67.3	41.4	25.1	11.0	0.0
-72.5°	120.2	85.2	56.7	36.2	22.1	9.7	0.0
-75°	98.7	69.4	45.8	31.3	19.1	8.3	0.0
-77.5°	76.4	53.1	37.8	26.2	16.0	7.0	0.0
-80°	53.6	40.8	30.4	21.1	12.9	5.6	0.0
-82.5°	39.4	30.8	22.9	15.9	9.7	4.2	0.0
-85°	26.4	20.6	15.3	10.6	6.5	2.8	0.0
-87.5°	13.2	10.3	7.7	5.3	3.2	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)