

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: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-730-U-MWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4E-730-U-MWR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N94
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

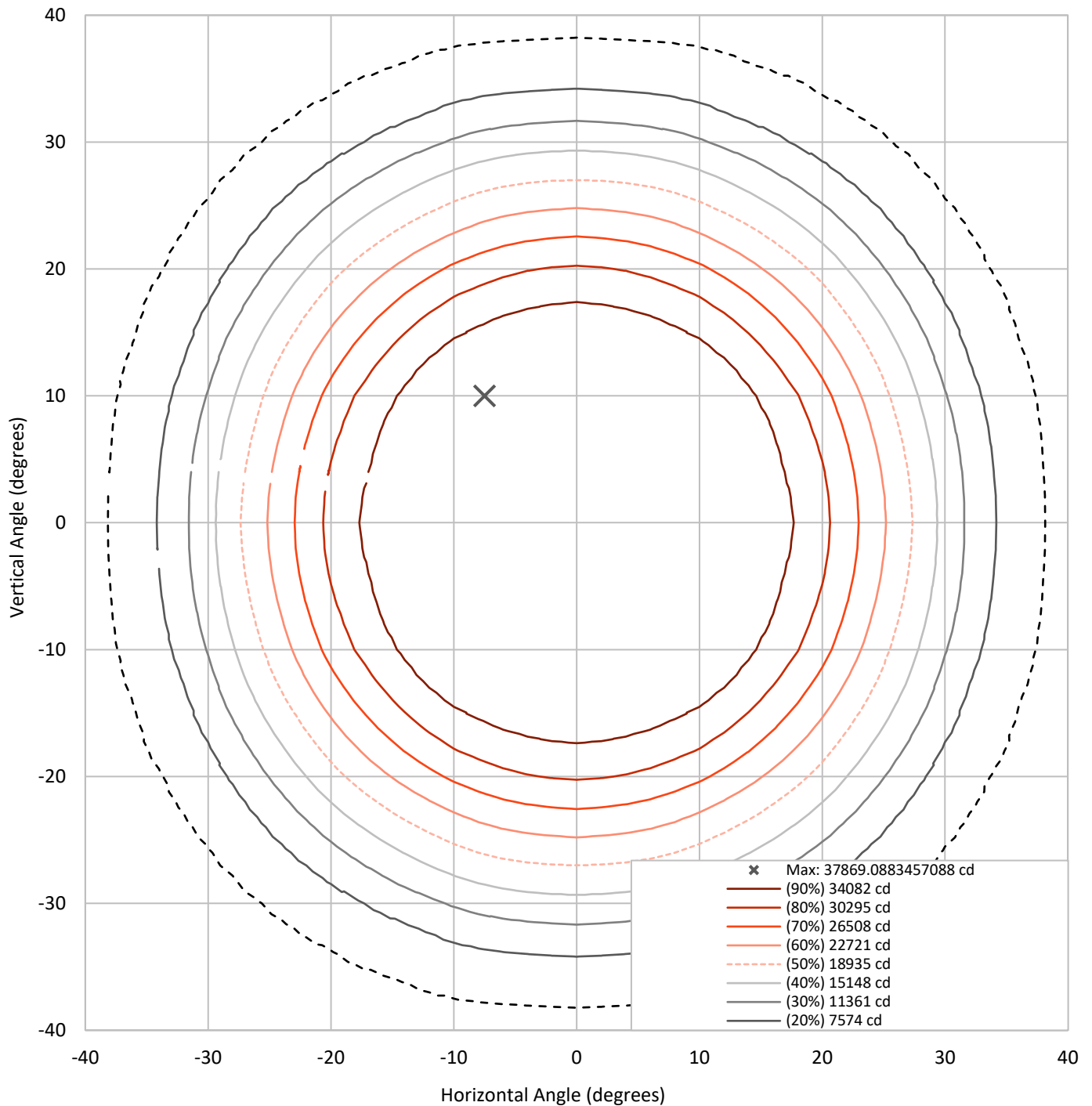
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	32230.2 lumens	Max Intensity:	37869.1 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	125.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	51°H x 52.3°V	Field Angle (10%):	74.5°H x 75.5°V
Beam Lumens:	21392.5 lumens	Field Lumens:	27816.4 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
Input Watts (W):	255.9		
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





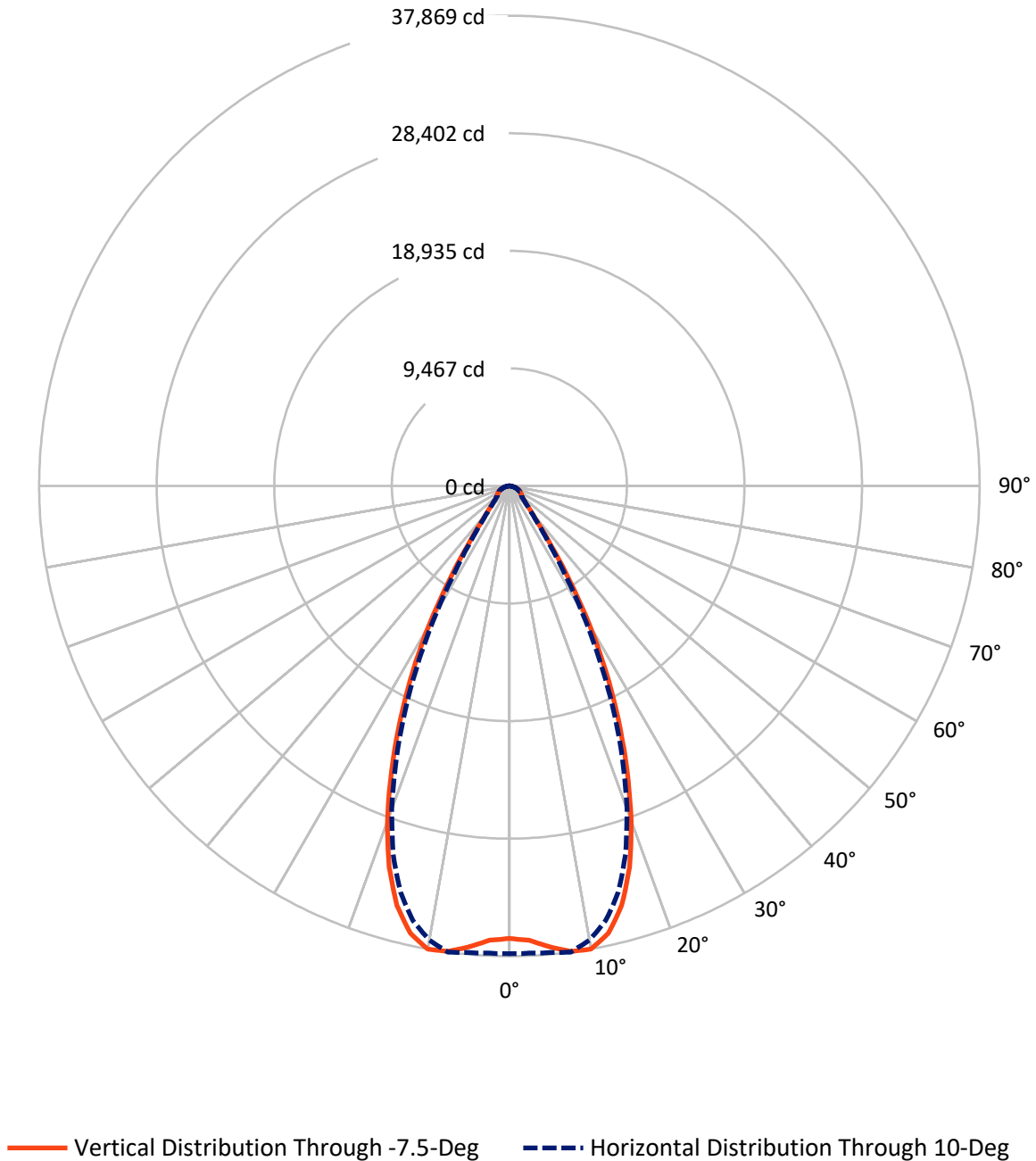
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Lumen Table

90																			
80	0.8	7.6		20.2			32.0		35.7		32.0		20.2		7.6	0.8			
70																			
60	3.4	3.9	7.9	12.9	18.1	21.9	24.8	26.2	26.2	24.8	21.9	18.1	12.9	7.9	3.9	3.4			
50		5.8	11.6	18.6	24.9	30.1	33.7	35.1	35.1	33.7	30.1	24.9	18.6	11.6	5.8				
40	6.1	7.5	14.7	22.6	30.2	39.4	49.5	56.8	56.8	49.5	39.4	30.2	22.6	14.7	7.5	6.1			
30		8.9	17.1	26.0	40.1	73.3	140.2	207.8	207.8	140.2	73.3	40.1	26.0	17.1	8.9				
20	7.8	9.9	18.6	30.3	66.0	206.9	464.2	648.2	648.2	464.2	206.9	66.0	30.3	18.6	9.9	7.8			
10		10.6	19.6	36.0	119.3	441.1	842.3	1054.2	1054.2	842.3	441.1	119.3	36.0	19.6	10.6				
0	8.4	11.0	20.1	40.5	171.8	603.6	1021.9	1111.8	1111.8	1021.9	603.6	171.8	40.5	20.1	11.0	8.4			
-10		11.0	20.1	40.5	171.8	603.6	1021.9	1111.8	1111.8	1021.9	603.6	171.8	40.5	20.1	11.0				
-20	7.8	10.6	19.6	36.0	119.3	441.1	842.3	1054.2	1054.2	842.3	441.1	119.3	36.0	19.6	10.6	7.8			
-30		9.9	18.6	30.3	66.0	206.9	464.2	648.2	648.2	464.2	206.9	66.0	30.3	18.6	9.9				
-40	6.1	8.9	17.1	26.0	40.1	73.3	140.2	207.8	207.8	140.2	73.3	40.1	26.0	17.1	8.9	6.1			
-50		7.5	14.7	22.6	30.2	39.4	49.5	56.8	56.8	49.5	39.4	30.2	22.6	14.7	7.5				
-60	3.4	5.8	11.6	18.6	24.9	30.1	33.7	35.1	35.1	33.7	30.1	24.9	18.6	11.6	5.8	3.4			
-70		3.9	7.9	12.9	18.1	21.9	24.8	26.2	26.2	24.8	21.9	18.1	12.9	7.9	3.9				
-80																			
-90	0.8	7.6		20.2			32.0		35.7		32.0		20.2		7.6	0.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

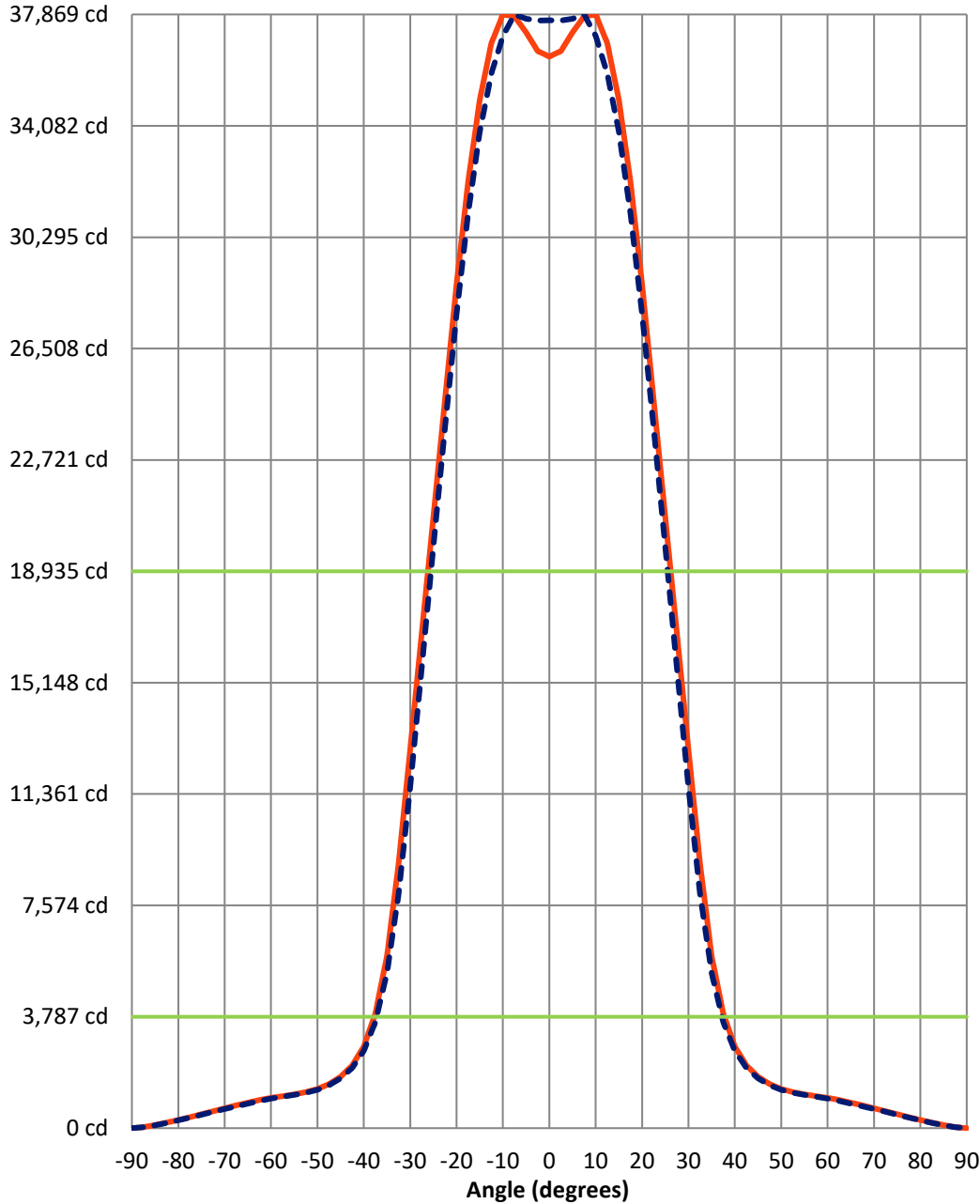
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 52.3°
 Lumens: 21392.5
 Efficiency: 66.4%

Field:
 H Angle: 74.5°
 V Angle: 75.5°
 Lumens: 27816.4
 Efficiency: 86.3%

Spill:
 Lumens: 4413.8
 Efficiency: 13.7%

— Vertical Distribution through -7.5-Deg
 - - Horizontal Distribution through 10-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	2.9	4.3	5.7	7.2	8.6	10.5	12.5	14.6	16.8
85°	0.0	2.9	5.8	8.6	11.5	14.3	17.1	20.9	24.9	29.1	33.6
82.5°	0.0	4.3	8.6	12.9	17.2	21.4	25.6	31.2	38.0	47.9	57.2
80°	0.0	5.7	11.5	17.2	22.9	28.5	35.3	48.7	61.5	73.6	85.0
77.5°	0.0	7.2	14.3	21.4	28.5	38.5	53.8	69.7	84.9	99.2	114.6
75°	0.0	8.6	17.1	25.6	35.3	53.8	72.2	90.6	108.7	129.6	150.1
72.5°	0.0	10.0	19.9	29.8	47.5	69.0	90.4	112.5	137.1	161.4	185.3
70°	0.0	11.3	22.6	34.8	59.5	84.0	108.7	137.1	165.2	192.9	222.0
67.5°	0.0	12.7	25.3	43.7	71.3	98.7	129.4	161.4	192.9	225.4	258.5
65°	0.0	14.0	27.9	52.4	82.9	114.3	149.7	185.3	220.8	257.1	295.7
62.5°	0.0	15.3	30.5	61.0	94.3	130.6	169.5	208.9	248.1	289.1	335.6
60°	0.0	16.5	33.1	69.3	105.4	146.5	188.7	231.8	274.6	323.8	374.5
57.5°	0.0	17.8	38.4	77.5	117.6	161.9	208.0	254.1	303.5	357.5	411.2
55°	0.0	19.0	43.6	85.4	129.4	176.8	226.9	275.9	332.2	389.9	446.4
52.5°	0.0	20.1	48.6	93.1	140.8	191.4	245.4	300.0	359.9	420.6	480.6
50°	0.0	21.3	53.4	100.5	151.9	206.5	263.3	323.4	386.5	450.4	513.7
47.5°	0.0	22.4	58.0	107.9	162.4	221.1	281.0	345.9	412.0	479.2	545.7
45°	0.0	23.4	62.4	115.4	172.5	235.2	299.4	367.4	436.7	506.8	576.4
42.5°	0.0	24.4	66.6	122.6	182.1	248.7	316.9	387.9	460.1	533.2	605.5
40°	0.0	25.4	70.6	129.3	191.9	261.8	333.4	407.2	482.4	558.5	633.5
37.5°	0.0	26.3	74.3	135.5	201.7	274.2	349.1	425.4	504.0	582.9	660.3
35°	0.0	27.1	77.8	141.3	211.1	286.3	363.7	442.4	524.5	605.8	685.4
32.5°	0.0	27.9	81.0	146.8	219.9	297.8	377.4	458.2	544.0	627.0	707.5
30°	0.0	28.7	84.0	151.8	228.2	308.4	390.0	473.1	562.4	646.5	728.0
27.5°	0.0	29.4	86.7	156.5	235.6	318.2	401.6	487.8	579.1	664.4	747.0
25°	0.0	30.0	89.2	160.7	242.3	327.1	412.1	501.4	593.7	680.2	764.5
22.5°	0.0	30.6	91.4	164.5	248.3	335.1	421.5	513.8	606.8	694.2	780.2
20°	0.0	31.1	93.4	167.9	253.7	341.8	429.9	525.0	618.3	706.7	794.3
17.5°	0.0	31.6	95.1	170.8	258.4	347.7	437.4	535.0	628.4	717.7	806.6
15°	0.0	32.0	96.5	173.3	262.4	352.8	444.2	543.9	636.8	727.1	817.1
12.5°	0.0	32.3	97.6	175.4	265.7	357.0	450.1	551.8	644.4	734.8	825.9
10°	0.0	32.6	98.5	177.0	268.3	360.2	455.0	558.4	651.0	742.1	833.3
7.5°	0.0	32.8	99.1	178.2	270.2	362.7	458.8	563.4	656.1	748.0	839.8
5°	0.0	33.0	99.5	178.9	271.4	364.2	461.6	567.1	659.8	752.1	844.5
2.5°	0.0	33.1	99.6	179.1	271.9	364.8	463.3	569.3	662.0	754.7	847.4
0°	0.0	33.1	99.4	178.9	271.7	364.5	463.9	570.0	662.7	755.5	848.3
-2.5°	0.0	33.1	99.6	179.1	271.9	364.8	463.3	569.3	662.0	754.7	847.4
-5°	0.0	33.0	99.5	178.9	271.4	364.2	461.6	567.1	659.8	752.1	844.5
-7.5°	0.0	32.8	99.1	178.2	270.2	362.7	458.8	563.4	656.1	748.0	839.8
-10°	0.0	32.6	98.5	177.0	268.3	360.2	455.0	558.4	651.0	742.1	833.3
-12.5°	0.0	32.3	97.6	175.4	265.7	357.0	450.1	551.8	644.4	734.8	825.9
-15°	0.0	32.0	96.5	173.3	262.4	352.8	444.2	543.9	636.8	727.1	817.1
-17.5°	0.0	31.6	95.1	170.8	258.4	347.7	437.4	535.0	628.4	717.7	806.6
-20°	0.0	31.1	93.4	167.9	253.7	341.8	429.9	525.0	618.3	706.7	794.3

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Scaled Data Report



REPORT NUMBER: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	30.6	91.4	164.5	248.3	335.1	421.5	513.8	606.8	694.2	780.2
-25°	0.0	30.0	89.2	160.7	242.3	327.1	412.1	501.4	593.7	680.2	764.5
-27.5°	0.0	29.4	86.7	156.5	235.6	318.2	401.6	487.8	579.1	664.4	747.0
-30°	0.0	28.7	84.0	151.8	228.2	308.4	390.0	473.1	562.4	646.5	728.0
-32.5°	0.0	27.9	81.0	146.8	219.9	297.8	377.4	458.2	544.0	627.0	707.5
-35°	0.0	27.1	77.8	141.3	211.1	286.3	363.7	442.4	524.5	605.8	685.4
-37.5°	0.0	26.3	74.3	135.5	201.7	274.2	349.1	425.4	504.0	582.9	660.3
-40°	0.0	25.4	70.6	129.3	191.9	261.8	333.4	407.2	482.4	558.5	633.5
-42.5°	0.0	24.4	66.6	122.6	182.1	248.7	316.9	387.9	460.1	533.2	605.5
-45°	0.0	23.4	62.4	115.4	172.5	235.2	299.4	367.4	436.7	506.8	576.4
-47.5°	0.0	22.4	58.0	107.9	162.4	221.1	281.0	345.9	412.0	479.2	545.7
-50°	0.0	21.3	53.4	100.5	151.9	206.5	263.3	323.4	386.5	450.4	513.7
-52.5°	0.0	20.1	48.6	93.1	140.8	191.4	245.4	300.0	359.9	420.6	480.6
-55°	0.0	19.0	43.6	85.4	129.4	176.8	226.9	275.9	332.2	389.9	446.4
-57.5°	0.0	17.8	38.4	77.5	117.6	161.9	208.0	254.1	303.5	357.5	411.2
-60°	0.0	16.5	33.1	69.3	105.4	146.5	188.7	231.8	274.6	323.8	374.5
-62.5°	0.0	15.3	30.5	61.0	94.3	130.6	169.5	208.9	248.1	289.1	335.6
-65°	0.0	14.0	27.9	52.4	82.9	114.3	149.7	185.3	220.8	257.1	295.7
-67.5°	0.0	12.7	25.3	43.7	71.3	98.7	129.4	161.4	192.9	225.4	258.5
-70°	0.0	11.3	22.6	34.8	59.5	84.0	108.7	137.1	165.2	192.9	222.0
-72.5°	0.0	10.0	19.9	29.8	47.5	69.0	90.4	112.5	137.1	161.4	185.3
-75°	0.0	8.6	17.1	25.6	35.3	53.8	72.2	90.6	108.7	129.6	150.1
-77.5°	0.0	7.2	14.3	21.4	28.5	38.5	53.8	69.7	84.9	99.2	114.6
-80°	0.0	5.7	11.5	17.2	22.9	28.5	35.3	48.7	61.5	73.6	85.0
-82.5°	0.0	4.3	8.6	12.9	17.2	21.4	25.6	31.2	38.0	47.9	57.2
-85°	0.0	2.9	5.8	8.6	11.5	14.3	17.1	20.9	24.9	29.1	33.6
-87.5°	0.0	1.4	2.9	4.3	5.7	7.2	8.6	10.5	12.5	14.6	16.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GFLD-SA4E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.4	19.9	21.4	22.8	24.2	25.6	26.9	28.1	29.3	30.5	31.6
85°	36.7	39.8	45.0	50.4	55.6	60.5	65.3	69.9	74.3	78.5	82.5
82.5°	65.7	74.3	83.1	92.0	99.8	107.2	114.6	122.1	129.6	137.1	144.5
80°	96.6	108.6	122.3	135.3	146.7	157.5	167.9	178.0	188.9	200.6	212.4
77.5°	132.3	149.3	165.4	180.4	194.8	210.7	225.9	240.6	255.8	270.9	285.3
75°	170.6	190.0	210.5	230.7	250.3	269.3	287.8	306.7	325.8	344.7	362.8
72.5°	210.1	234.8	258.9	282.5	306.8	330.5	353.4	375.5	398.3	421.5	443.7
70°	251.1	279.3	309.1	337.8	365.2	392.9	420.9	447.8	474.2	501.1	527.8
67.5°	292.5	327.9	361.4	393.3	425.6	458.2	489.7	521.9	553.1	584.5	614.4
65°	338.0	376.7	413.4	449.9	486.5	524.8	562.1	598.0	634.2	669.2	700.7
62.5°	382.7	423.8	464.4	505.9	549.6	592.5	633.3	674.6	716.6	753.3	785.1
60°	423.8	469.4	514.8	562.2	610.4	656.6	702.3	747.2	792.3	834.5	860.5
57.5°	463.4	513.9	564.2	615.2	666.1	717.6	765.6	814.9	856.9	892.5	922.7
55°	502.1	556.9	610.5	664.0	718.9	772.8	825.0	871.8	912.9	942.6	971.7
52.5°	539.7	597.5	652.8	710.7	769.0	826.2	880.7	924.2	957.9	988.2	1015.4
50°	576.2	635.0	693.4	756.1	817.7	878.2	929.5	967.6	1001.8	1031.3	1059.8
47.5°	610.4	671.6	734.1	800.0	864.9	923.4	970.5	1010.3	1045.3	1077.1	1110.8
45°	643.2	708.3	774.3	842.3	908.6	965.2	1010.5	1053.4	1086.2	1122.1	1160.8
42.5°	675.2	743.4	812.6	882.9	949.9	1002.7	1048.1	1087.4	1125.9	1168.4	1215.1
40°	705.5	776.7	848.9	922.0	988.9	1035.6	1080.0	1121.7	1168.4	1219.0	1273.1
37.5°	734.0	807.9	882.8	958.8	1017.4	1065.6	1111.1	1157.6	1211.9	1270.6	1344.0
35°	760.6	837.0	914.4	987.4	1043.1	1094.2	1141.3	1193.1	1256.6	1333.2	1427.2
32.5°	785.3	863.8	943.5	1010.5	1066.7	1119.8	1168.1	1232.8	1309.1	1400.3	1533.4
30°	808.0	888.4	968.4	1033.2	1088.0	1141.3	1200.2	1273.1	1362.3	1495.4	1665.8
27.5°	829.1	910.7	987.9	1052.1	1107.1	1162.0	1230.9	1319.2	1436.7	1595.5	1807.4
25°	848.5	932.1	1006.7	1067.9	1124.8	1185.7	1260.6	1359.9	1514.2	1719.4	2005.6
22.5°	866.0	951.3	1024.6	1081.6	1141.3	1207.4	1294.7	1418.9	1596.9	1836.5	2205.6
20°	881.6	965.9	1038.0	1094.5	1156.6	1225.2	1325.1	1474.8	1689.5	1999.8	2471.0
17.5°	895.3	978.7	1048.1	1107.0	1171.5	1245.5	1354.7	1523.3	1771.8	2142.2	2739.3
15°	907.1	989.6	1056.6	1117.6	1184.4	1268.8	1395.8	1586.6	1867.4	2290.4	2973.1
12.5°	916.8	998.6	1063.5	1126.3	1195.1	1288.2	1431.1	1646.4	1966.6	2472.4	3317.6
10°	924.5	1005.6	1068.8	1133.0	1203.5	1303.7	1459.7	1695.3	2048.9	2630.1	3611.5
7.5°	931.6	1010.8	1072.5	1137.7	1209.4	1315.3	1481.4	1733.0	2111.9	2753.9	3844.1
5°	936.9	1013.9	1074.5	1140.5	1214.4	1322.9	1496.2	1759.1	2155.5	2842.4	4007.8
2.5°	940.0	1015.0	1074.9	1141.2	1218.1	1326.3	1503.8	1773.5	2189.7	2884.3	4095.7
0°	941.1	1014.0	1073.6	1139.9	1219.4	1325.5	1504.4	1776.1	2206.9	2882.9	4109.0
-2.5°	940.0	1015.0	1074.9	1141.2	1218.1	1326.3	1503.8	1773.5	2189.7	2884.3	4095.7
-5°	936.9	1013.9	1074.5	1140.5	1214.4	1322.9	1496.2	1759.1	2155.5	2842.4	4007.8
-7.5°	931.6	1010.8	1072.5	1137.7	1209.4	1315.3	1481.4	1733.0	2111.9	2753.9	3844.1
-10°	924.5	1005.6	1068.8	1133.0	1203.5	1303.7	1459.7	1695.3	2048.9	2630.1	3611.5
-12.5°	916.8	998.6	1063.5	1126.3	1195.1	1288.2	1431.1	1646.4	1966.6	2472.4	3317.6
-15°	907.1	989.6	1056.6	1117.6	1184.4	1268.8	1395.8	1586.6	1867.4	2290.4	2973.1
-17.5°	895.3	978.7	1048.1	1107.0	1171.5	1245.5	1354.7	1523.3	1771.8	2142.2	2739.3
-20°	881.6	965.9	1038.0	1094.5	1156.6	1225.2	1325.1	1474.8	1689.5	1999.8	2471.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	866.0	951.3	1024.6	1081.6	1141.3	1207.4	1294.7	1418.9	1596.9	1836.5	2205.6
-25°	848.5	932.1	1006.7	1067.9	1124.8	1185.7	1260.6	1359.9	1514.2	1719.4	2005.6
-27.5°	829.1	910.7	987.9	1052.1	1107.1	1162.0	1230.9	1319.2	1436.7	1595.5	1807.4
-30°	808.0	888.4	968.4	1033.2	1088.0	1141.3	1200.2	1273.1	1362.3	1495.4	1665.8
-32.5°	785.3	863.8	943.5	1010.5	1066.7	1119.8	1168.1	1232.8	1309.1	1400.3	1533.4
-35°	760.6	837.0	914.4	987.4	1043.1	1094.2	1141.3	1193.1	1256.6	1333.2	1427.2
-37.5°	734.0	807.9	882.8	958.8	1017.4	1065.6	1111.1	1157.6	1211.9	1270.6	1344.0
-40°	705.5	776.7	848.9	922.0	988.9	1035.6	1080.0	1121.7	1168.4	1219.0	1273.1
-42.5°	675.2	743.4	812.6	882.9	949.9	1002.7	1048.1	1087.4	1125.9	1168.4	1215.1
-45°	643.2	708.3	774.3	842.3	908.6	965.2	1010.5	1053.4	1086.2	1122.1	1160.8
-47.5°	610.4	671.6	734.1	800.0	864.9	923.4	970.5	1010.3	1045.3	1077.1	1110.8
-50°	576.2	635.0	693.4	756.1	817.7	878.2	929.5	967.6	1001.8	1031.3	1059.8
-52.5°	539.7	597.5	652.8	710.7	769.0	826.2	880.7	924.2	957.9	988.2	1015.4
-55°	502.1	556.9	610.5	664.0	718.9	772.8	825.0	871.8	912.9	942.6	971.7
-57.5°	463.4	513.9	564.2	615.2	666.1	717.6	765.6	814.9	856.9	892.5	922.7
-60°	423.8	469.4	514.8	562.2	610.4	656.6	702.3	747.2	792.3	834.5	860.5
-62.5°	382.7	423.8	464.4	505.9	549.6	592.5	633.3	674.6	716.6	753.3	785.1
-65°	338.0	376.7	413.4	449.9	486.5	524.8	562.1	598.0	634.2	669.2	700.7
-67.5°	292.5	327.9	361.4	393.3	425.6	458.2	489.7	521.9	553.1	584.5	614.4
-70°	251.1	279.3	309.1	337.8	365.2	392.9	420.9	447.8	474.2	501.1	527.8
-72.5°	210.1	234.8	258.9	282.5	306.8	330.5	353.4	375.5	398.3	421.5	443.7
-75°	170.6	190.0	210.5	230.7	250.3	269.3	287.8	306.7	325.8	344.7	362.8
-77.5°	132.3	149.3	165.4	180.4	194.8	210.7	225.9	240.6	255.8	270.9	285.3
-80°	96.6	108.6	122.3	135.3	146.7	157.5	167.9	178.0	188.9	200.6	212.4
-82.5°	65.7	74.3	83.1	92.0	99.8	107.2	114.6	122.1	129.6	137.1	144.5
-85°	36.7	39.8	45.0	50.4	55.6	60.5	65.3	69.9	74.3	78.5	82.5
-87.5°	18.4	19.9	21.4	22.8	24.2	25.6	26.9	28.1	29.3	30.5	31.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	32.6	32.2	31.6	30.9	30.0	32.1	34.2	36.3	38.4	37.2	35.9
85°	86.3	88.2	89.8	91.2	92.4	96.5	100.5	104.2	107.7	107.6	107.2
82.5°	151.8	156.7	160.9	164.6	168.0	172.8	177.1	180.9	184.0	186.4	188.4
80°	223.7	231.6	238.4	244.6	250.1	256.5	262.4	267.7	272.2	274.7	276.3
77.5°	299.6	311.2	321.6	331.5	340.8	350.1	358.6	366.1	372.7	374.2	373.8
75°	380.1	395.6	410.2	423.8	436.3	447.0	456.1	463.7	469.9	473.0	474.7
72.5°	464.8	484.0	501.2	516.7	530.0	541.0	550.6	558.8	565.8	570.3	572.9
70°	553.2	575.8	593.5	608.1	619.4	630.4	642.7	654.5	665.5	671.7	674.1
67.5°	641.8	665.3	681.5	694.7	705.1	715.9	731.5	745.5	758.0	766.4	771.7
65°	728.5	753.3	769.5	782.2	791.7	802.6	820.0	833.9	844.4	852.8	860.4
62.5°	814.2	839.2	857.2	872.3	886.3	898.2	912.5	924.1	933.2	941.4	950.8
60°	888.5	918.1	937.0	952.3	969.6	988.2	998.7	1007.4	1015.0	1021.7	1027.5
57.5°	949.1	975.5	999.9	1018.3	1036.2	1053.5	1065.9	1074.1	1080.8	1085.8	1087.7
55°	999.9	1027.1	1054.3	1074.3	1091.9	1108.1	1121.7	1132.4	1141.2	1148.2	1149.8
52.5°	1045.4	1076.0	1102.6	1125.6	1149.0	1168.1	1183.0	1197.5	1210.2	1220.5	1224.9
50°	1094.9	1126.9	1160.2	1191.0	1215.8	1237.6	1255.7	1276.3	1297.9	1315.8	1327.1
47.5°	1146.9	1183.8	1224.0	1262.0	1291.4	1323.6	1353.7	1384.3	1424.5	1458.3	1483.3
45°	1201.4	1248.8	1294.6	1342.8	1383.4	1444.3	1500.8	1549.4	1613.9	1672.4	1718.9
42.5°	1265.6	1324.6	1380.9	1458.2	1539.0	1622.2	1712.1	1788.7	1889.6	1992.2	2075.1
40°	1341.8	1417.2	1516.3	1620.1	1747.8	1862.1	2017.2	2155.5	2310.2	2505.8	2667.5
37.5°	1433.4	1549.6	1687.6	1832.2	2031.3	2221.5	2477.9	2748.1	2993.3	3369.6	3686.3
35°	1552.5	1714.9	1896.5	2152.5	2434.3	2790.8	3190.8	3712.7	4160.2	4795.0	5401.7
32.5°	1705.9	1914.7	2211.3	2606.4	3023.0	3670.3	4305.0	5211.2	6050.2	7056.4	8142.3
30°	1876.7	2194.4	2647.6	3189.5	3966.7	4918.9	6037.7	7429.4	8952.5	10366.7	11760.3
27.5°	2124.1	2579.3	3174.7	4049.2	5260.4	6592.7	8552.8	10442.0	12413.1	14165.2	15626.4
25°	2413.0	3014.6	3935.2	5222.9	6860.9	9142.2	11488.7	13820.4	15940.1	17774.4	19388.9
22.5°	2786.1	3651.3	4878.6	6546.5	9097.1	11831.5	14583.0	17154.9	19416.0	21458.6	23206.3
20°	3191.9	4274.5	6027.2	8514.3	11431.2	14546.4	17653.2	20392.8	22882.4	25198.4	27168.2
17.5°	3706.2	5222.3	7441.8	10425.4	13797.7	17210.9	20474.8	23447.8	26272.4	28723.1	30781.2
15°	4144.4	6057.0	8953.8	12452.9	16100.6	19701.0	23146.9	26376.1	29312.8	31827.3	33762.2
12.5°	4729.0	6992.5	10296.2	14196.0	18148.8	21937.2	25566.8	28904.4	31893.0	34379.9	35886.1
10°	5281.7	7961.1	11593.7	15660.6	19767.3	23803.7	27679.1	31102.2	33876.9	35855.2	37138.8
7.5°	5751.5	8793.5	12649.1	16844.5	21053.2	25273.3	29196.1	32526.8	35085.2	36737.2	37630.9
5°	6102.4	9415.8	13432.6	17806.5	22125.2	26419.4	30311.6	33438.3	35649.5	36876.8	37325.4
2.5°	6326.0	9781.2	13887.2	18437.6	22842.7	27144.6	31076.8	34154.4	36030.5	36843.9	36921.2
0°	6415.3	9828.4	13957.2	18768.7	23023.5	27351.2	31294.4	34449.1	36172.2	36841.6	36828.3
-2.5°	6326.0	9781.2	13887.2	18437.6	22842.7	27144.6	31076.8	34154.4	36030.5	36843.9	36921.2
-5°	6102.4	9415.8	13432.6	17806.5	22125.2	26419.4	30311.6	33438.3	35649.5	36876.8	37325.4
-7.5°	5751.5	8793.5	12649.1	16844.5	21053.2	25273.3	29196.1	32526.8	35085.2	36737.2	37630.9
-10°	5281.7	7961.1	11593.7	15660.6	19767.3	23803.7	27679.1	31102.2	33876.9	35855.2	37138.8
-12.5°	4729.0	6992.5	10296.2	14196.0	18148.8	21937.2	25566.8	28904.4	31893.0	34379.9	35886.1
-15°	4144.4	6057.0	8953.8	12452.9	16100.6	19701.0	23146.9	26376.1	29312.8	31827.3	33762.2
-17.5°	3706.2	5222.3	7441.8	10425.4	13797.7	17210.9	20474.8	23447.8	26272.4	28723.1	30781.2
-20°	3191.9	4274.5	6027.2	8514.3	11431.2	14546.4	17653.2	20392.8	22882.4	25198.4	27168.2



REPORT NUMBER: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2786.1	3651.3	4878.6	6546.5	9097.1	11831.5	14583.0	17154.9	19416.0	21458.6	23206.3
-25°	2413.0	3014.6	3935.2	5222.9	6860.9	9142.2	11488.7	13820.4	15940.1	17774.4	19388.9
-27.5°	2124.1	2579.3	3174.7	4049.2	5260.4	6592.7	8552.8	10442.0	12413.1	14165.2	15626.4
-30°	1876.7	2194.4	2647.6	3189.5	3966.7	4918.9	6037.7	7429.4	8952.5	10366.7	11760.3
-32.5°	1705.9	1914.7	2211.3	2606.4	3023.0	3670.3	4305.0	5211.2	6050.2	7056.4	8142.3
-35°	1552.5	1714.9	1896.5	2152.5	2434.3	2790.8	3190.8	3712.7	4160.2	4795.0	5401.7
-37.5°	1433.4	1549.6	1687.6	1832.2	2031.3	2221.5	2477.9	2748.1	2993.3	3369.6	3686.3
-40°	1341.8	1417.2	1516.3	1620.1	1747.8	1862.1	2017.2	2155.5	2310.2	2505.8	2667.5
-42.5°	1265.6	1324.6	1380.9	1458.2	1539.0	1622.2	1712.1	1788.7	1889.6	1992.2	2075.1
-45°	1201.4	1248.8	1294.6	1342.8	1383.4	1444.3	1500.8	1549.4	1613.9	1672.4	1718.9
-47.5°	1146.9	1183.8	1224.0	1262.0	1291.4	1323.6	1353.7	1384.3	1424.5	1458.3	1483.3
-50°	1094.9	1126.9	1160.2	1191.0	1215.8	1237.6	1255.7	1276.3	1297.9	1315.8	1327.1
-52.5°	1045.4	1076.0	1102.6	1125.6	1149.0	1168.1	1183.0	1197.5	1210.2	1220.5	1224.9
-55°	999.9	1027.1	1054.3	1074.3	1091.9	1108.1	1121.7	1132.4	1141.2	1148.2	1149.8
-57.5°	949.1	975.5	999.9	1018.3	1036.2	1053.5	1065.9	1074.1	1080.8	1085.8	1087.7
-60°	888.5	918.1	937.0	952.3	969.6	988.2	998.7	1007.4	1015.0	1021.7	1027.5
-62.5°	814.2	839.2	857.2	872.3	886.3	898.2	912.5	924.1	933.2	941.4	950.8
-65°	728.5	753.3	769.5	782.2	791.7	802.6	820.0	833.9	844.4	852.8	860.4
-67.5°	641.8	665.3	681.5	694.7	705.1	715.9	731.5	745.5	758.0	766.4	771.7
-70°	553.2	575.8	593.5	608.1	619.4	630.4	642.7	654.5	665.5	671.7	674.1
-72.5°	464.8	484.0	501.2	516.7	530.0	541.0	550.6	558.8	565.8	570.3	572.9
-75°	380.1	395.6	410.2	423.8	436.3	447.0	456.1	463.7	469.9	473.0	474.7
-77.5°	299.6	311.2	321.6	331.5	340.8	350.1	358.6	366.1	372.7	374.2	373.8
-80°	223.7	231.6	238.4	244.6	250.1	256.5	262.4	267.7	272.2	274.7	276.3
-82.5°	151.8	156.7	160.9	164.6	168.0	172.8	177.1	180.9	184.0	186.4	188.4
-85°	86.3	88.2	89.8	91.2	92.4	96.5	100.5	104.2	107.7	107.6	107.2
-87.5°	32.6	32.2	31.6	30.9	30.0	32.1	34.2	36.3	38.4	37.2	35.9
-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: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MWR-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°	34.5	33.0	33.1	33.1	33.1	33.0	34.5	35.9	37.2	38.4	36.3
85°	106.4	105.5	102.6	99.4	102.6	105.5	106.4	107.2	107.6	107.7	104.2
82.5°	190.0	191.2	188.7	185.6	188.7	191.2	190.0	188.4	186.4	184.0	180.9
80°	277.0	277.0	274.7	271.7	274.7	277.0	277.0	276.3	274.7	272.2	267.7
77.5°	372.2	369.5	370.6	371.1	370.6	369.5	372.2	373.8	374.2	372.7	366.1
75°	475.4	475.0	473.4	470.5	473.4	475.0	475.4	474.7	473.0	469.9	463.7
72.5°	574.2	574.2	572.8	570.0	572.8	574.2	574.2	572.9	570.3	565.8	558.8
70°	674.7	673.5	675.2	676.0	675.2	673.5	674.7	674.1	671.7	665.5	654.5
67.5°	775.8	778.5	778.0	775.4	778.0	778.5	775.8	771.7	766.4	758.0	745.5
65°	866.5	871.0	873.8	874.8	873.8	871.0	866.5	860.4	852.8	844.4	833.9
62.5°	958.1	963.4	963.7	961.0	963.7	963.4	958.1	950.8	941.4	933.2	924.1
60°	1030.7	1031.5	1030.2	1027.2	1030.2	1031.5	1030.7	1027.5	1021.7	1015.0	1007.4
57.5°	1087.7	1085.8	1083.5	1080.3	1083.5	1085.8	1087.7	1087.7	1085.8	1080.8	1074.1
55°	1148.9	1145.7	1143.0	1139.9	1143.0	1145.7	1148.9	1149.8	1148.2	1141.2	1132.4
52.5°	1225.9	1224.2	1222.3	1219.4	1222.3	1224.2	1225.9	1224.9	1220.5	1210.2	1197.5
50°	1332.8	1334.5	1334.3	1332.1	1334.3	1334.5	1332.8	1327.1	1315.8	1297.9	1276.3
47.5°	1499.2	1508.1	1514.1	1517.7	1514.1	1508.1	1499.2	1483.3	1458.3	1424.5	1384.3
45°	1748.7	1766.4	1778.9	1789.4	1778.9	1766.4	1748.7	1718.9	1672.4	1613.9	1549.4
42.5°	2133.4	2173.1	2191.8	2187.0	2191.8	2173.1	2133.4	2075.1	1992.2	1889.6	1788.7
40°	2775.2	2839.1	2874.5	2902.8	2874.5	2839.1	2775.2	2667.5	2505.8	2310.2	2155.5
37.5°	3902.4	4026.5	4091.9	4148.7	4091.9	4026.5	3902.4	3686.3	3369.6	2993.3	2748.1
35°	5855.0	6134.2	6283.7	6335.8	6283.7	6134.2	5855.0	5401.7	4795.0	4160.2	3712.7
32.5°	8987.2	9502.4	9787.2	10007.3	9787.2	9502.4	8987.2	8142.3	7056.4	6050.2	5211.2
30°	12863.7	13542.2	13919.0	14103.0	13919.0	13542.2	12863.7	11760.3	10366.7	8952.5	7429.4
27.5°	16837.6	17609.0	18015.3	17993.3	18015.3	17609.0	16837.6	15626.4	14165.2	12413.1	10442.0
25°	20773.1	21666.5	22071.3	22433.6	22071.3	21666.5	20773.1	19388.9	17774.4	15940.1	13820.4
22.5°	24753.4	25798.1	26368.1	26635.4	26368.1	25798.1	24753.4	23206.3	21458.6	19416.0	17154.9
20°	28686.3	29849.3	30454.4	30717.9	30454.4	29849.3	28686.3	27168.2	25198.4	22882.4	20392.8
17.5°	32174.4	33309.7	33886.5	34131.0	33886.5	33309.7	32174.4	30781.2	28723.1	26272.4	23447.8
15°	34959.6	35797.0	36287.5	36417.4	36287.5	35797.0	34959.6	33762.2	31827.3	29312.8	26376.1
12.5°	36884.9	37209.2	37445.1	37517.5	37445.1	37209.2	36884.9	35886.1	34379.9	31893.0	28904.4
10°	37869.1	37722.8	37662.3	37670.0	37662.3	37722.8	37869.1	37138.8	35855.2	33876.9	31102.2
7.5°	37801.4	37584.7	37149.4	37080.1	37149.4	37584.7	37801.4	37630.9	36737.2	35085.2	32526.8
5°	37258.3	36863.7	36141.3	35933.6	36141.3	36863.7	37258.3	37325.4	36876.8	35649.5	33438.3
2.5°	36625.3	35914.0	35248.5	34820.2	35248.5	35914.0	36625.3	36921.2	36843.9	36030.5	34154.4
0°	36437.3	35615.5	34753.9	34475.6	34753.9	35615.5	36437.3	36828.3	36841.6	36172.2	34449.1
-2.5°	36625.3	35914.0	35248.5	34820.2	35248.5	35914.0	36625.3	36921.2	36843.9	36030.5	34154.4
-5°	37258.3	36863.7	36141.3	35933.6	36141.3	36863.7	37258.3	37325.4	36876.8	35649.5	33438.3
-7.5°	37801.4	37584.7	37149.4	37080.1	37149.4	37584.7	37801.4	37630.9	36737.2	35085.2	32526.8
-10°	37869.1	37722.8	37662.3	37670.0	37662.3	37722.8	37869.1	37138.8	35855.2	33876.9	31102.2
-12.5°	36884.9	37209.2	37445.1	37517.5	37445.1	37209.2	36884.9	35886.1	34379.9	31893.0	28904.4
-15°	34959.6	35797.0	36287.5	36417.4	36287.5	35797.0	34959.6	33762.2	31827.3	29312.8	26376.1
-17.5°	32174.4	33309.7	33886.5	34131.0	33886.5	33309.7	32174.4	30781.2	28723.1	26272.4	23447.8
-20°	28686.3	29849.3	30454.4	30717.9	30454.4	29849.3	28686.3	27168.2	25198.4	22882.4	20392.8



REPORT NUMBER: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	24753.4	25798.1	26368.1	26635.4	26368.1	25798.1	24753.4	23206.3	21458.6	19416.0	17154.9
-25°	20773.1	21666.5	22071.3	22433.6	22071.3	21666.5	20773.1	19388.9	17774.4	15940.1	13820.4
-27.5°	16837.6	17609.0	18015.3	17993.3	18015.3	17609.0	16837.6	15626.4	14165.2	12413.1	10442.0
-30°	12863.7	13542.2	13919.0	14103.0	13919.0	13542.2	12863.7	11760.3	10366.7	8952.5	7429.4
-32.5°	8987.2	9502.4	9787.2	10007.3	9787.2	9502.4	8987.2	8142.3	7056.4	6050.2	5211.2
-35°	5855.0	6134.2	6283.7	6335.8	6283.7	6134.2	5855.0	5401.7	4795.0	4160.2	3712.7
-37.5°	3902.4	4026.5	4091.9	4148.7	4091.9	4026.5	3902.4	3686.3	3369.6	2993.3	2748.1
-40°	2775.2	2839.1	2874.5	2902.8	2874.5	2839.1	2775.2	2667.5	2505.8	2310.2	2155.5
-42.5°	2133.4	2173.1	2191.8	2187.0	2191.8	2173.1	2133.4	2075.1	1992.2	1889.6	1788.7
-45°	1748.7	1766.4	1778.9	1789.4	1778.9	1766.4	1748.7	1718.9	1672.4	1613.9	1549.4
-47.5°	1499.2	1508.1	1514.1	1517.7	1514.1	1508.1	1499.2	1483.3	1458.3	1424.5	1384.3
-50°	1332.8	1334.5	1334.3	1332.1	1334.3	1334.5	1332.8	1327.1	1315.8	1297.9	1276.3
-52.5°	1225.9	1224.2	1222.3	1219.4	1222.3	1224.2	1225.9	1224.9	1220.5	1210.2	1197.5
-55°	1148.9	1145.7	1143.0	1139.9	1143.0	1145.7	1148.9	1149.8	1148.2	1141.2	1132.4
-57.5°	1087.7	1085.8	1083.5	1080.3	1083.5	1085.8	1087.7	1087.7	1085.8	1080.8	1074.1
-60°	1030.7	1031.5	1030.2	1027.2	1030.2	1031.5	1030.7	1027.5	1021.7	1015.0	1007.4
-62.5°	958.1	963.4	963.7	961.0	963.7	963.4	958.1	950.8	941.4	933.2	924.1
-65°	866.5	871.0	873.8	874.8	873.8	871.0	866.5	860.4	852.8	844.4	833.9
-67.5°	775.8	778.5	778.0	775.4	778.0	778.5	775.8	771.7	766.4	758.0	745.5
-70°	674.7	673.5	675.2	676.0	675.2	673.5	674.7	674.1	671.7	665.5	654.5
-72.5°	574.2	574.2	572.8	570.0	572.8	574.2	574.2	572.9	570.3	565.8	558.8
-75°	475.4	475.0	473.4	470.5	473.4	475.0	475.4	474.7	473.0	469.9	463.7
-77.5°	372.2	369.5	370.6	371.1	370.6	369.5	372.2	373.8	374.2	372.7	366.1
-80°	277.0	277.0	274.7	271.7	274.7	277.0	277.0	276.3	274.7	272.2	267.7
-82.5°	190.0	191.2	188.7	185.6	188.7	191.2	190.0	188.4	186.4	184.0	180.9
-85°	106.4	105.5	102.6	99.4	102.6	105.5	106.4	107.2	107.6	107.7	104.2
-87.5°	34.5	33.0	33.1	33.1	33.1	33.0	34.5	35.9	37.2	38.4	36.3
-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: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MWR-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°	34.2	32.1	30.0	30.9	31.6	32.2	32.6	31.6	30.5	29.3	28.1
85°	100.5	96.5	92.4	91.2	89.8	88.2	86.3	82.5	78.5	74.3	69.9
82.5°	177.1	172.8	168.0	164.6	160.9	156.7	151.8	144.5	137.1	129.6	122.1
80°	262.4	256.5	250.1	244.6	238.4	231.6	223.7	212.4	200.6	188.9	178.0
77.5°	358.6	350.1	340.8	331.5	321.6	311.2	299.6	285.3	270.9	255.8	240.6
75°	456.1	447.0	436.3	423.8	410.2	395.6	380.1	362.8	344.7	325.8	306.7
72.5°	550.6	541.0	530.0	516.7	501.2	484.0	464.8	443.7	421.5	398.3	375.5
70°	642.7	630.4	619.4	608.1	593.5	575.8	553.2	527.8	501.1	474.2	447.8
67.5°	731.5	715.9	705.1	694.7	681.5	665.3	641.8	614.4	584.5	553.1	521.9
65°	820.0	802.6	791.7	782.2	769.5	753.3	728.5	700.7	669.2	634.2	598.0
62.5°	912.5	898.2	886.3	872.3	857.2	839.2	814.2	785.1	753.3	716.6	674.6
60°	998.7	988.2	969.6	952.3	937.0	918.1	888.5	860.5	834.5	792.3	747.2
57.5°	1065.9	1053.5	1036.2	1018.3	999.9	975.5	949.1	922.7	892.5	856.9	814.9
55°	1121.7	1108.1	1091.9	1074.3	1054.3	1027.1	999.9	971.7	942.6	912.9	871.8
52.5°	1183.0	1168.1	1149.0	1125.6	1102.6	1076.0	1045.4	1015.4	988.2	957.9	924.2
50°	1255.7	1237.6	1215.8	1191.0	1160.2	1126.9	1094.9	1059.8	1031.3	1001.8	967.6
47.5°	1353.7	1323.6	1291.4	1262.0	1224.0	1183.8	1146.9	1110.8	1077.1	1045.3	1010.3
45°	1500.8	1444.3	1383.4	1342.8	1294.6	1248.8	1201.4	1160.8	1122.1	1086.2	1053.4
42.5°	1712.1	1622.2	1539.0	1458.2	1380.9	1324.6	1265.6	1215.1	1168.4	1125.9	1087.4
40°	2017.2	1862.1	1747.8	1620.1	1516.3	1417.2	1341.8	1273.1	1219.0	1168.4	1121.7
37.5°	2477.9	2221.5	2031.3	1832.2	1687.6	1549.6	1433.4	1344.0	1270.6	1211.9	1157.6
35°	3190.8	2790.8	2434.3	2152.5	1896.5	1714.9	1552.5	1427.2	1333.2	1256.6	1193.1
32.5°	4305.0	3670.3	3023.0	2606.4	2211.3	1914.7	1705.9	1533.4	1400.3	1309.1	1232.8
30°	6037.7	4918.9	3966.7	3189.5	2647.6	2194.4	1876.7	1665.8	1495.4	1362.3	1273.1
27.5°	8552.8	6592.7	5260.4	4049.2	3174.7	2579.3	2124.1	1807.4	1595.5	1436.7	1319.2
25°	11488.7	9142.2	6860.9	5222.9	3935.2	3014.6	2413.0	2005.6	1719.4	1514.2	1359.9
22.5°	14583.0	11831.5	9097.1	6546.5	4878.6	3651.3	2786.1	2205.6	1836.5	1596.9	1418.9
20°	17653.2	14546.4	11431.2	8514.3	6027.2	4274.5	3191.9	2471.0	1999.8	1689.5	1474.8
17.5°	20474.8	17210.9	13797.7	10425.4	7441.8	5222.3	3706.2	2739.3	2142.2	1771.8	1523.3
15°	23146.9	19701.0	16100.6	12452.9	8953.8	6057.0	4144.4	2973.1	2290.4	1867.4	1586.6
12.5°	25566.8	21937.2	18148.8	14196.0	10296.2	6992.5	4729.0	3317.6	2472.4	1966.6	1646.4
10°	27679.1	23803.7	19767.3	15660.6	11593.7	7961.1	5281.7	3611.5	2630.1	2048.9	1695.3
7.5°	29196.1	25273.3	21053.2	16844.5	12649.1	8793.5	5751.5	3844.1	2753.9	2111.9	1733.0
5°	30311.6	26419.4	22125.2	17806.5	13432.6	9415.8	6102.4	4007.8	2842.4	2155.5	1759.1
2.5°	31076.8	27144.6	22842.7	18437.6	13887.2	9781.2	6326.0	4095.7	2884.3	2189.7	1773.5
0°	31294.4	27351.2	23023.5	18768.7	13957.2	9828.4	6415.3	4109.0	2882.9	2206.9	1776.1
-2.5°	31076.8	27144.6	22842.7	18437.6	13887.2	9781.2	6326.0	4095.7	2884.3	2189.7	1773.5
-5°	30311.6	26419.4	22125.2	17806.5	13432.6	9415.8	6102.4	4007.8	2842.4	2155.5	1759.1
-7.5°	29196.1	25273.3	21053.2	16844.5	12649.1	8793.5	5751.5	3844.1	2753.9	2111.9	1733.0
-10°	27679.1	23803.7	19767.3	15660.6	11593.7	7961.1	5281.7	3611.5	2630.1	2048.9	1695.3
-12.5°	25566.8	21937.2	18148.8	14196.0	10296.2	6992.5	4729.0	3317.6	2472.4	1966.6	1646.4
-15°	23146.9	19701.0	16100.6	12452.9	8953.8	6057.0	4144.4	2973.1	2290.4	1867.4	1586.6
-17.5°	20474.8	17210.9	13797.7	10425.4	7441.8	5222.3	3706.2	2739.3	2142.2	1771.8	1523.3
-20°	17653.2	14546.4	11431.2	8514.3	6027.2	4274.5	3191.9	2471.0	1999.8	1689.5	1474.8



REPORT NUMBER: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14583.0	11831.5	9097.1	6546.5	4878.6	3651.3	2786.1	2205.6	1836.5	1596.9	1418.9
-25°	11488.7	9142.2	6860.9	5222.9	3935.2	3014.6	2413.0	2005.6	1719.4	1514.2	1359.9
-27.5°	8552.8	6592.7	5260.4	4049.2	3174.7	2579.3	2124.1	1807.4	1595.5	1436.7	1319.2
-30°	6037.7	4918.9	3966.7	3189.5	2647.6	2194.4	1876.7	1665.8	1495.4	1362.3	1273.1
-32.5°	4305.0	3670.3	3023.0	2606.4	2211.3	1914.7	1705.9	1533.4	1400.3	1309.1	1232.8
-35°	3190.8	2790.8	2434.3	2152.5	1896.5	1714.9	1552.5	1427.2	1333.2	1256.6	1193.1
-37.5°	2477.9	2221.5	2031.3	1832.2	1687.6	1549.6	1433.4	1344.0	1270.6	1211.9	1157.6
-40°	2017.2	1862.1	1747.8	1620.1	1516.3	1417.2	1341.8	1273.1	1219.0	1168.4	1121.7
-42.5°	1712.1	1622.2	1539.0	1458.2	1380.9	1324.6	1265.6	1215.1	1168.4	1125.9	1087.4
-45°	1500.8	1444.3	1383.4	1342.8	1294.6	1248.8	1201.4	1160.8	1122.1	1086.2	1053.4
-47.5°	1353.7	1323.6	1291.4	1262.0	1224.0	1183.8	1146.9	1110.8	1077.1	1045.3	1010.3
-50°	1255.7	1237.6	1215.8	1191.0	1160.2	1126.9	1094.9	1059.8	1031.3	1001.8	967.6
-52.5°	1183.0	1168.1	1149.0	1125.6	1102.6	1076.0	1045.4	1015.4	988.2	957.9	924.2
-55°	1121.7	1108.1	1091.9	1074.3	1054.3	1027.1	999.9	971.7	942.6	912.9	871.8
-57.5°	1065.9	1053.5	1036.2	1018.3	999.9	975.5	949.1	922.7	892.5	856.9	814.9
-60°	998.7	988.2	969.6	952.3	937.0	918.1	888.5	860.5	834.5	792.3	747.2
-62.5°	912.5	898.2	886.3	872.3	857.2	839.2	814.2	785.1	753.3	716.6	674.6
-65°	820.0	802.6	791.7	782.2	769.5	753.3	728.5	700.7	669.2	634.2	598.0
-67.5°	731.5	715.9	705.1	694.7	681.5	665.3	641.8	614.4	584.5	553.1	521.9
-70°	642.7	630.4	619.4	608.1	593.5	575.8	553.2	527.8	501.1	474.2	447.8
-72.5°	550.6	541.0	530.0	516.7	501.2	484.0	464.8	443.7	421.5	398.3	375.5
-75°	456.1	447.0	436.3	423.8	410.2	395.6	380.1	362.8	344.7	325.8	306.7
-77.5°	358.6	350.1	340.8	331.5	321.6	311.2	299.6	285.3	270.9	255.8	240.6
-80°	262.4	256.5	250.1	244.6	238.4	231.6	223.7	212.4	200.6	188.9	178.0
-82.5°	177.1	172.8	168.0	164.6	160.9	156.7	151.8	144.5	137.1	129.6	122.1
-85°	100.5	96.5	92.4	91.2	89.8	88.2	86.3	82.5	78.5	74.3	69.9
-87.5°	34.2	32.1	30.0	30.9	31.6	32.2	32.6	31.6	30.5	29.3	28.1
-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: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-730-U-MWR-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°	26.9	25.6	24.2	22.8	21.4	19.9	18.4	16.8	14.6	12.5	10.5
85°	65.3	60.5	55.6	50.4	45.0	39.8	36.7	33.6	29.1	24.9	20.9
82.5°	114.6	107.2	99.8	92.0	83.1	74.3	65.7	57.2	47.9	38.0	31.2
80°	167.9	157.5	146.7	135.3	122.3	108.6	96.6	85.0	73.6	61.5	48.7
77.5°	225.9	210.7	194.8	180.4	165.4	149.3	132.3	114.6	99.2	84.9	69.7
75°	287.8	269.3	250.3	230.7	210.5	190.0	170.6	150.1	129.6	108.7	90.6
72.5°	353.4	330.5	306.8	282.5	258.9	234.8	210.1	185.3	161.4	137.1	112.5
70°	420.9	392.9	365.2	337.8	309.1	279.3	251.1	222.0	192.9	165.2	137.1
67.5°	489.7	458.2	425.6	393.3	361.4	327.9	292.5	258.5	225.4	192.9	161.4
65°	562.1	524.8	486.5	449.9	413.4	376.7	338.0	295.7	257.1	220.8	185.3
62.5°	633.3	592.5	549.6	505.9	464.4	423.8	382.7	335.6	289.1	248.1	208.9
60°	702.3	656.6	610.4	562.2	514.8	469.4	423.8	374.5	323.8	274.6	231.8
57.5°	765.6	717.6	666.1	615.2	564.2	513.9	463.4	411.2	357.5	303.5	254.1
55°	825.0	772.8	718.9	664.0	610.5	556.9	502.1	446.4	389.9	332.2	275.9
52.5°	880.7	826.2	769.0	710.7	652.8	597.5	539.7	480.6	420.6	359.9	300.0
50°	929.5	878.2	817.7	756.1	693.4	635.0	576.2	513.7	450.4	386.5	323.4
47.5°	970.5	923.4	864.9	800.0	734.1	671.6	610.4	545.7	479.2	412.0	345.9
45°	1010.5	965.2	908.6	842.3	774.3	708.3	643.2	576.4	506.8	436.7	367.4
42.5°	1048.1	1002.7	949.9	882.9	812.6	743.4	675.2	605.5	533.2	460.1	387.9
40°	1080.0	1035.6	988.9	922.0	848.9	776.7	705.5	633.5	558.5	482.4	407.2
37.5°	1111.1	1065.6	1017.4	958.8	882.8	807.9	734.0	660.3	582.9	504.0	425.4
35°	1141.3	1094.2	1043.1	987.4	914.4	837.0	760.6	685.4	605.8	524.5	442.4
32.5°	1168.1	1119.8	1066.7	1010.5	943.5	863.8	785.3	707.5	627.0	544.0	458.2
30°	1200.2	1141.3	1088.0	1033.2	968.4	888.4	808.0	728.0	646.5	562.4	473.1
27.5°	1230.9	1162.0	1107.1	1052.1	987.9	910.7	829.1	747.0	664.4	579.1	487.8
25°	1260.6	1185.7	1124.8	1067.9	1006.7	932.1	848.5	764.5	680.2	593.7	501.4
22.5°	1294.7	1207.4	1141.3	1081.6	1024.6	951.3	866.0	780.2	694.2	606.8	513.8
20°	1325.1	1225.2	1156.6	1094.5	1038.0	965.9	881.6	794.3	706.7	618.3	525.0
17.5°	1354.7	1245.5	1171.5	1107.0	1048.1	978.7	895.3	806.6	717.7	628.4	535.0
15°	1395.8	1268.8	1184.4	1117.6	1056.6	989.6	907.1	817.1	727.1	636.8	543.9
12.5°	1431.1	1288.2	1195.1	1126.3	1063.5	998.6	916.8	825.9	734.8	644.4	551.8
10°	1459.7	1303.7	1203.5	1133.0	1068.8	1005.6	924.5	833.3	742.1	651.0	558.4
7.5°	1481.4	1315.3	1209.4	1137.7	1072.5	1010.8	931.6	839.8	748.0	656.1	563.4
5°	1496.2	1322.9	1214.4	1140.5	1074.5	1013.9	936.9	844.5	752.1	659.8	567.1
2.5°	1503.8	1326.3	1218.1	1141.2	1074.9	1015.0	940.0	847.4	754.7	662.0	569.3
0°	1504.4	1325.5	1219.4	1139.9	1073.6	1014.0	941.1	848.3	755.5	662.7	570.0
-2.5°	1503.8	1326.3	1218.1	1141.2	1074.9	1015.0	940.0	847.4	754.7	662.0	569.3
-5°	1496.2	1322.9	1214.4	1140.5	1074.5	1013.9	936.9	844.5	752.1	659.8	567.1
-7.5°	1481.4	1315.3	1209.4	1137.7	1072.5	1010.8	931.6	839.8	748.0	656.1	563.4
-10°	1459.7	1303.7	1203.5	1133.0	1068.8	1005.6	924.5	833.3	742.1	651.0	558.4
-12.5°	1431.1	1288.2	1195.1	1126.3	1063.5	998.6	916.8	825.9	734.8	644.4	551.8
-15°	1395.8	1268.8	1184.4	1117.6	1056.6	989.6	907.1	817.1	727.1	636.8	543.9
-17.5°	1354.7	1245.5	1171.5	1107.0	1048.1	978.7	895.3	806.6	717.7	628.4	535.0
-20°	1325.1	1225.2	1156.6	1094.5	1038.0	965.9	881.6	794.3	706.7	618.3	525.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1294.7	1207.4	1141.3	1081.6	1024.6	951.3	866.0	780.2	694.2	606.8	513.8
-25°	1260.6	1185.7	1124.8	1067.9	1006.7	932.1	848.5	764.5	680.2	593.7	501.4
-27.5°	1230.9	1162.0	1107.1	1052.1	987.9	910.7	829.1	747.0	664.4	579.1	487.8
-30°	1200.2	1141.3	1088.0	1033.2	968.4	888.4	808.0	728.0	646.5	562.4	473.1
-32.5°	1168.1	1119.8	1066.7	1010.5	943.5	863.8	785.3	707.5	627.0	544.0	458.2
-35°	1141.3	1094.2	1043.1	987.4	914.4	837.0	760.6	685.4	605.8	524.5	442.4
-37.5°	1111.1	1065.6	1017.4	958.8	882.8	807.9	734.0	660.3	582.9	504.0	425.4
-40°	1080.0	1035.6	988.9	922.0	848.9	776.7	705.5	633.5	558.5	482.4	407.2
-42.5°	1048.1	1002.7	949.9	882.9	812.6	743.4	675.2	605.5	533.2	460.1	387.9
-45°	1010.5	965.2	908.6	842.3	774.3	708.3	643.2	576.4	506.8	436.7	367.4
-47.5°	970.5	923.4	864.9	800.0	734.1	671.6	610.4	545.7	479.2	412.0	345.9
-50°	929.5	878.2	817.7	756.1	693.4	635.0	576.2	513.7	450.4	386.5	323.4
-52.5°	880.7	826.2	769.0	710.7	652.8	597.5	539.7	480.6	420.6	359.9	300.0
-55°	825.0	772.8	718.9	664.0	610.5	556.9	502.1	446.4	389.9	332.2	275.9
-57.5°	765.6	717.6	666.1	615.2	564.2	513.9	463.4	411.2	357.5	303.5	254.1
-60°	702.3	656.6	610.4	562.2	514.8	469.4	423.8	374.5	323.8	274.6	231.8
-62.5°	633.3	592.5	549.6	505.9	464.4	423.8	382.7	335.6	289.1	248.1	208.9
-65°	562.1	524.8	486.5	449.9	413.4	376.7	338.0	295.7	257.1	220.8	185.3
-67.5°	489.7	458.2	425.6	393.3	361.4	327.9	292.5	258.5	225.4	192.9	161.4
-70°	420.9	392.9	365.2	337.8	309.1	279.3	251.1	222.0	192.9	165.2	137.1
-72.5°	353.4	330.5	306.8	282.5	258.9	234.8	210.1	185.3	161.4	137.1	112.5
-75°	287.8	269.3	250.3	230.7	210.5	190.0	170.6	150.1	129.6	108.7	90.6
-77.5°	225.9	210.7	194.8	180.4	165.4	149.3	132.3	114.6	99.2	84.9	69.7
-80°	167.9	157.5	146.7	135.3	122.3	108.6	96.6	85.0	73.6	61.5	48.7
-82.5°	114.6	107.2	99.8	92.0	83.1	74.3	65.7	57.2	47.9	38.0	31.2
-85°	65.3	60.5	55.6	50.4	45.0	39.8	36.7	33.6	29.1	24.9	20.9
-87.5°	26.9	25.6	24.2	22.8	21.4	19.9	18.4	16.8	14.6	12.5	10.5
-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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Scaled Data Report



REPORT NUMBER: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MWR-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°	8.6	7.2	5.7	4.3	2.9	1.4	0.0
85°	17.1	14.3	11.5	8.6	5.8	2.9	0.0
82.5°	25.6	21.4	17.2	12.9	8.6	4.3	0.0
80°	35.3	28.5	22.9	17.2	11.5	5.7	0.0
77.5°	53.8	38.5	28.5	21.4	14.3	7.2	0.0
75°	72.2	53.8	35.3	25.6	17.1	8.6	0.0
72.5°	90.4	69.0	47.5	29.8	19.9	10.0	0.0
70°	108.7	84.0	59.5	34.8	22.6	11.3	0.0
67.5°	129.4	98.7	71.3	43.7	25.3	12.7	0.0
65°	149.7	114.3	82.9	52.4	27.9	14.0	0.0
62.5°	169.5	130.6	94.3	61.0	30.5	15.3	0.0
60°	188.7	146.5	105.4	69.3	33.1	16.5	0.0
57.5°	208.0	161.9	117.6	77.5	38.4	17.8	0.0
55°	226.9	176.8	129.4	85.4	43.6	19.0	0.0
52.5°	245.4	191.4	140.8	93.1	48.6	20.1	0.0
50°	263.3	206.5	151.9	100.5	53.4	21.3	0.0
47.5°	281.0	221.1	162.4	107.9	58.0	22.4	0.0
45°	299.4	235.2	172.5	115.4	62.4	23.4	0.0
42.5°	316.9	248.7	182.1	122.6	66.6	24.4	0.0
40°	333.4	261.8	191.9	129.3	70.6	25.4	0.0
37.5°	349.1	274.2	201.7	135.5	74.3	26.3	0.0
35°	363.7	286.3	211.1	141.3	77.8	27.1	0.0
32.5°	377.4	297.8	219.9	146.8	81.0	27.9	0.0
30°	390.0	308.4	228.2	151.8	84.0	28.7	0.0
27.5°	401.6	318.2	235.6	156.5	86.7	29.4	0.0
25°	412.1	327.1	242.3	160.7	89.2	30.0	0.0
22.5°	421.5	335.1	248.3	164.5	91.4	30.6	0.0
20°	429.9	341.8	253.7	167.9	93.4	31.1	0.0
17.5°	437.4	347.7	258.4	170.8	95.1	31.6	0.0
15°	444.2	352.8	262.4	173.3	96.5	32.0	0.0
12.5°	450.1	357.0	265.7	175.4	97.6	32.3	0.0
10°	455.0	360.2	268.3	177.0	98.5	32.6	0.0
7.5°	458.8	362.7	270.2	178.2	99.1	32.8	0.0
5°	461.6	364.2	271.4	178.9	99.5	33.0	0.0
2.5°	463.3	364.8	271.9	179.1	99.6	33.1	0.0
0°	463.9	364.5	271.7	178.9	99.4	33.1	0.0
-2.5°	463.3	364.8	271.9	179.1	99.6	33.1	0.0
-5°	461.6	364.2	271.4	178.9	99.5	33.0	0.0
-7.5°	458.8	362.7	270.2	178.2	99.1	32.8	0.0
-10°	455.0	360.2	268.3	177.0	98.5	32.6	0.0
-12.5°	450.1	357.0	265.7	175.4	97.6	32.3	0.0
-15°	444.2	352.8	262.4	173.3	96.5	32.0	0.0
-17.5°	437.4	347.7	258.4	170.8	95.1	31.6	0.0
-20°	429.9	341.8	253.7	167.9	93.4	31.1	0.0

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REPORT NUMBER: P627507 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	421.5	335.1	248.3	164.5	91.4	30.6	0.0
-25°	412.1	327.1	242.3	160.7	89.2	30.0	0.0
-27.5°	401.6	318.2	235.6	156.5	86.7	29.4	0.0
-30°	390.0	308.4	228.2	151.8	84.0	28.7	0.0
-32.5°	377.4	297.8	219.9	146.8	81.0	27.9	0.0
-35°	363.7	286.3	211.1	141.3	77.8	27.1	0.0
-37.5°	349.1	274.2	201.7	135.5	74.3	26.3	0.0
-40°	333.4	261.8	191.9	129.3	70.6	25.4	0.0
-42.5°	316.9	248.7	182.1	122.6	66.6	24.4	0.0
-45°	299.4	235.2	172.5	115.4	62.4	23.4	0.0
-47.5°	281.0	221.1	162.4	107.9	58.0	22.4	0.0
-50°	263.3	206.5	151.9	100.5	53.4	21.3	0.0
-52.5°	245.4	191.4	140.8	93.1	48.6	20.1	0.0
-55°	226.9	176.8	129.4	85.4	43.6	19.0	0.0
-57.5°	208.0	161.9	117.6	77.5	38.4	17.8	0.0
-60°	188.7	146.5	105.4	69.3	33.1	16.5	0.0
-62.5°	169.5	130.6	94.3	61.0	30.5	15.3	0.0
-65°	149.7	114.3	82.9	52.4	27.9	14.0	0.0
-67.5°	129.4	98.7	71.3	43.7	25.3	12.7	0.0
-70°	108.7	84.0	59.5	34.8	22.6	11.3	0.0
-72.5°	90.4	69.0	47.5	29.8	19.9	10.0	0.0
-75°	72.2	53.8	35.3	25.6	17.1	8.6	0.0
-77.5°	53.8	38.5	28.5	21.4	14.3	7.2	0.0
-80°	35.3	28.5	22.9	17.2	11.5	5.7	0.0
-82.5°	25.6	21.4	17.2	12.9	8.6	4.3	0.0
-85°	17.1	14.3	11.5	8.6	5.8	2.9	0.0
-87.5°	8.6	7.2	5.7	4.3	2.9	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)