

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: P627527 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-740-U-MWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627527 (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-740-U-MWR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N102
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

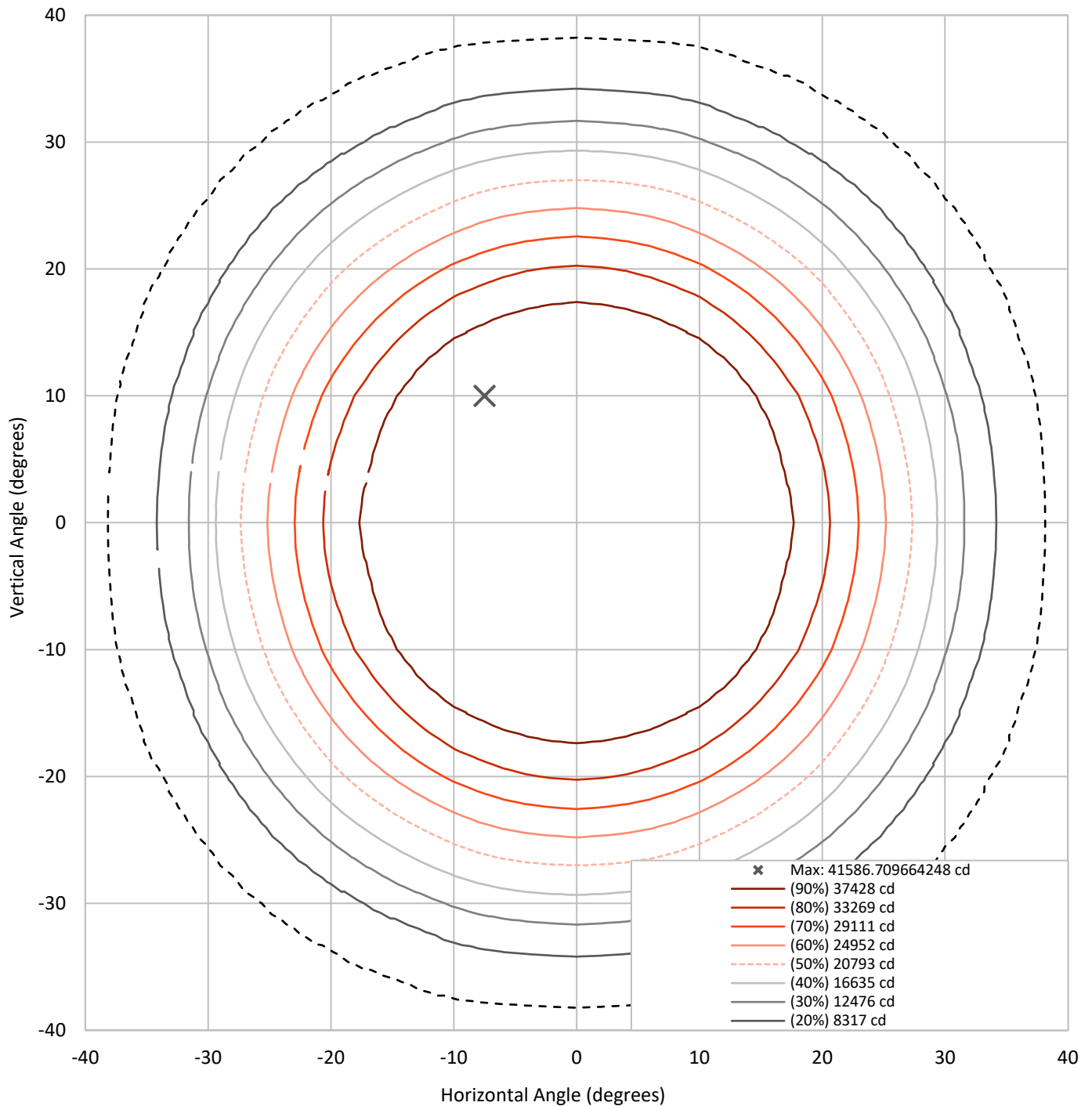
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	35394.2 lumens	Max Intensity:	41586.7 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	138.3 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:	23492.6 lumens	Field Lumens:	30547 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





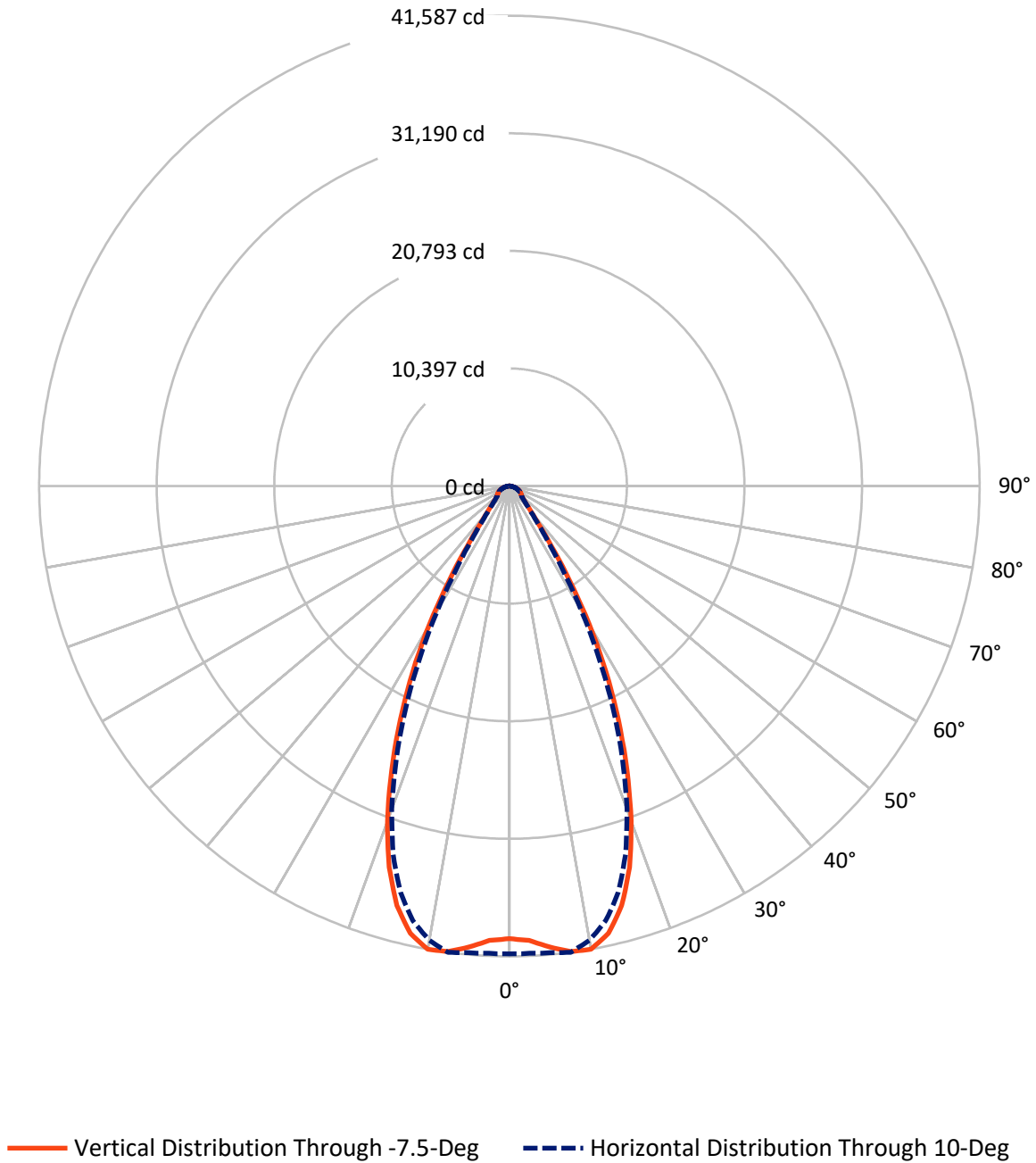
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Lumen Table

90																			
80	0.9	8.3		22.2		35.1		39.3		35.1		22.2		8.3	0.9				
70																			
60	3.8	4.3	8.7	14.2	19.8	24.1	27.2	28.8	28.8	27.2	24.1	19.8	14.2	8.7	4.3	3.8			
50		6.4	12.8	20.4	27.3	33.0	37.0	38.6	38.6	37.0	33.0	27.3	20.4	12.8	6.4				
40	6.7	8.2	16.2	24.8	33.2	43.2	54.4	62.4	62.4	54.4	43.2	33.2	24.8	16.2	8.2	6.7			
30		9.8	18.8	28.5	44.1	80.4	154.0	228.2	228.2	154.0	80.4	44.1	28.5	18.8	9.8				
20	8.6	10.9	20.5	33.3	72.5	227.2	509.8	711.8	711.8	509.8	227.2	72.5	33.3	20.5	10.9	8.6			
10		11.7	21.6	39.5	131.0	484.4	925.0	1157.7	1157.7	925.0	484.4	131.0	39.5	21.6	11.7				
0	9.3	12.0	22.1	44.5	188.7	662.9	1122.2	1221.0	1221.0	1122.2	662.9	188.7	44.5	22.1	12.0	9.3			
-10		12.0	22.1	44.5	188.7	662.9	1122.2	1221.0	1221.0	1122.2	662.9	188.7	44.5	22.1	12.0				
-20	8.6	11.7	21.6	39.5	131.0	484.4	925.0	1157.7	1157.7	925.0	484.4	131.0	39.5	21.6	11.7	8.6			
-30		10.9	20.5	33.3	72.5	227.2	509.8	711.8	711.8	509.8	227.2	72.5	33.3	20.5	10.9				
-40	6.7	9.8	18.8	28.5	44.1	80.4	154.0	228.2	228.2	154.0	80.4	44.1	28.5	18.8	9.8	6.7			
-50		8.2	16.2	24.8	33.2	43.2	54.4	62.4	62.4	54.4	43.2	33.2	24.8	16.2	8.2				
-60	3.8	6.4	12.8	20.4	27.3	33.0	37.0	38.6	38.6	37.0	33.0	27.3	20.4	12.8	6.4	3.8			
-70		4.3	8.7	14.2	19.8	24.1	27.2	28.8	28.8	27.2	24.1	19.8	14.2	8.7	4.3				
-80																			
-90	0.9	8.3		22.2		35.1		39.3		35.1		22.2		8.3	0.9				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

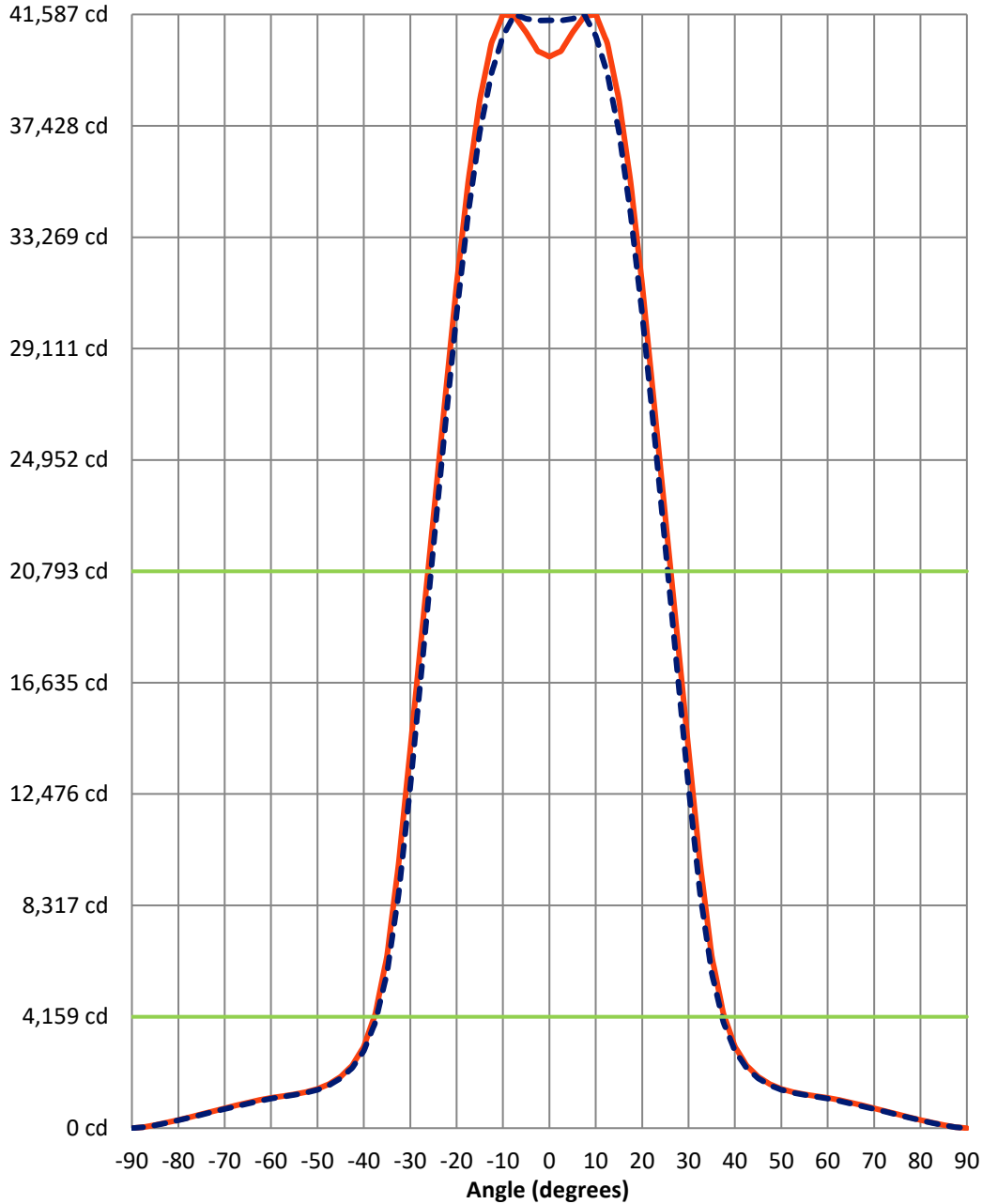
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 52.3°
 Lumens: 23492.6
 Efficiency: 66.4%

Field:
 H Angle: 74.5°
 V Angle: 75.5°
 Lumens: 30547
 Efficiency: 86.3%

Spill:
 Lumens: 4847.2
 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	1.6	3.2	4.7	6.3	7.9	9.4	11.5	13.7	16.0	18.5
85°	0.0	3.2	6.3	9.5	12.6	15.7	18.8	22.9	27.3	32.0	36.8
82.5°	0.0	4.7	9.5	14.2	18.9	23.6	28.2	34.3	41.7	52.6	62.9
80°	0.0	6.3	12.6	18.9	25.2	31.4	38.8	53.5	67.6	80.8	93.3
77.5°	0.0	7.9	15.7	23.6	31.4	42.3	59.2	76.6	93.3	108.9	125.8
75°	0.0	9.4	18.8	28.2	38.8	59.2	79.3	99.5	119.4	142.3	164.9
72.5°	0.0	10.9	21.9	32.8	52.2	75.8	99.2	123.5	150.6	177.3	203.6
70°	0.0	12.4	24.9	38.3	65.4	92.2	119.4	150.6	181.5	211.9	243.8
67.5°	0.0	13.9	27.8	48.0	78.3	108.4	142.1	177.3	211.9	247.6	283.9
65°	0.0	15.4	30.7	57.6	91.1	125.5	164.4	203.6	242.6	282.4	324.7
62.5°	0.0	16.8	33.6	67.0	103.6	143.4	186.1	229.4	272.5	317.5	368.6
60°	0.0	18.2	36.4	76.1	115.8	160.9	207.3	254.6	301.6	355.6	411.3
57.5°	0.0	19.6	42.2	85.1	129.1	177.8	228.5	279.1	333.3	392.5	451.5
55°	0.0	20.9	47.9	93.8	142.1	194.2	249.2	303.1	364.8	428.1	490.2
52.5°	0.0	22.2	53.4	102.2	154.7	210.2	269.5	329.5	395.2	461.9	527.7
50°	0.0	23.4	58.7	110.4	166.8	226.8	289.3	355.2	424.4	494.6	564.1
47.5°	0.0	24.6	63.8	118.5	178.4	242.8	308.7	379.9	452.4	526.2	599.2
45°	0.0	25.7	68.6	126.8	189.4	258.3	328.8	403.5	479.5	556.5	633.0
42.5°	0.0	26.8	73.2	134.7	200.0	273.2	348.0	425.9	505.2	585.6	664.9
40°	0.0	27.9	77.5	142.0	210.7	287.5	366.2	447.1	529.7	613.3	695.7
37.5°	0.0	28.9	81.6	148.8	221.5	301.2	383.3	467.1	553.4	640.1	725.2
35°	0.0	29.8	85.5	155.2	231.8	314.5	399.4	485.8	576.0	665.2	752.7
32.5°	0.0	30.7	89.0	161.2	241.5	327.1	414.4	503.2	597.4	688.5	776.9
30°	0.0	31.5	92.3	166.7	250.7	338.8	428.3	519.6	617.6	710.0	799.5
27.5°	0.0	32.3	95.3	171.8	258.7	349.5	441.0	535.7	636.0	729.6	820.4
25°	0.0	33.0	98.0	176.5	266.1	359.3	452.6	550.6	652.0	747.0	839.5
22.5°	0.0	33.6	100.4	180.7	272.7	368.0	462.9	564.2	666.3	762.4	856.8
20°	0.0	34.2	102.6	184.4	278.6	375.5	472.1	576.5	679.0	776.1	872.2
17.5°	0.0	34.7	104.4	187.6	283.8	381.9	480.4	587.5	690.0	788.2	885.8
15°	0.0	35.2	106.0	190.4	288.2	387.5	487.9	597.3	699.4	798.5	897.4
12.5°	0.0	35.5	107.2	192.6	291.8	392.0	494.3	606.0	707.7	807.0	907.0
10°	0.0	35.8	108.2	194.4	294.7	395.7	499.7	613.1	714.9	815.0	915.1
7.5°	0.0	36.1	108.9	195.7	296.8	398.3	503.9	618.7	720.5	821.4	922.3
5°	0.0	36.3	109.3	196.5	298.1	399.9	507.0	622.7	724.6	826.0	927.5
2.5°	0.0	36.4	109.4	196.7	298.7	400.6	508.9	625.1	727.0	828.8	930.6
0°	0.0	36.4	109.2	196.5	298.4	400.3	509.5	625.9	727.8	829.7	931.6
-2.5°	0.0	36.4	109.4	196.7	298.7	400.6	508.9	625.1	727.0	828.8	930.6
-5°	0.0	36.3	109.3	196.5	298.1	399.9	507.0	622.7	724.6	826.0	927.5
-7.5°	0.0	36.1	108.9	195.7	296.8	398.3	503.9	618.7	720.5	821.4	922.3
-10°	0.0	35.8	108.2	194.4	294.7	395.7	499.7	613.1	714.9	815.0	915.1
-12.5°	0.0	35.5	107.2	192.6	291.8	392.0	494.3	606.0	707.7	807.0	907.0
-15°	0.0	35.2	106.0	190.4	288.2	387.5	487.9	597.3	699.4	798.5	897.4
-17.5°	0.0	34.7	104.4	187.6	283.8	381.9	480.4	587.5	690.0	788.2	885.8
-20°	0.0	34.2	102.6	184.4	278.6	375.5	472.1	576.5	679.0	776.1	872.2

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REPORT NUMBER: P627527 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-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	33.6	100.4	180.7	272.7	368.0	462.9	564.2	666.3	762.4	856.8
-25°	0.0	33.0	98.0	176.5	266.1	359.3	452.6	550.6	652.0	747.0	839.5
-27.5°	0.0	32.3	95.3	171.8	258.7	349.5	441.0	535.7	636.0	729.6	820.4
-30°	0.0	31.5	92.3	166.7	250.7	338.8	428.3	519.6	617.6	710.0	799.5
-32.5°	0.0	30.7	89.0	161.2	241.5	327.1	414.4	503.2	597.4	688.5	776.9
-35°	0.0	29.8	85.5	155.2	231.8	314.5	399.4	485.8	576.0	665.2	752.7
-37.5°	0.0	28.9	81.6	148.8	221.5	301.2	383.3	467.1	553.4	640.1	725.2
-40°	0.0	27.9	77.5	142.0	210.7	287.5	366.2	447.1	529.7	613.3	695.7
-42.5°	0.0	26.8	73.2	134.7	200.0	273.2	348.0	425.9	505.2	585.6	664.9
-45°	0.0	25.7	68.6	126.8	189.4	258.3	328.8	403.5	479.5	556.5	633.0
-47.5°	0.0	24.6	63.8	118.5	178.4	242.8	308.7	379.9	452.4	526.2	599.2
-50°	0.0	23.4	58.7	110.4	166.8	226.8	289.3	355.2	424.4	494.6	564.1
-52.5°	0.0	22.2	53.4	102.2	154.7	210.2	269.5	329.5	395.2	461.9	527.7
-55°	0.0	20.9	47.9	93.8	142.1	194.2	249.2	303.1	364.8	428.1	490.2
-57.5°	0.0	19.6	42.2	85.1	129.1	177.8	228.5	279.1	333.3	392.5	451.5
-60°	0.0	18.2	36.4	76.1	115.8	160.9	207.3	254.6	301.6	355.6	411.3
-62.5°	0.0	16.8	33.6	67.0	103.6	143.4	186.1	229.4	272.5	317.5	368.6
-65°	0.0	15.4	30.7	57.6	91.1	125.5	164.4	203.6	242.6	282.4	324.7
-67.5°	0.0	13.9	27.8	48.0	78.3	108.4	142.1	177.3	211.9	247.6	283.9
-70°	0.0	12.4	24.9	38.3	65.4	92.2	119.4	150.6	181.5	211.9	243.8
-72.5°	0.0	10.9	21.9	32.8	52.2	75.8	99.2	123.5	150.6	177.3	203.6
-75°	0.0	9.4	18.8	28.2	38.8	59.2	79.3	99.5	119.4	142.3	164.9
-77.5°	0.0	7.9	15.7	23.6	31.4	42.3	59.2	76.6	93.3	108.9	125.8
-80°	0.0	6.3	12.6	18.9	25.2	31.4	38.8	53.5	67.6	80.8	93.3
-82.5°	0.0	4.7	9.5	14.2	18.9	23.6	28.2	34.3	41.7	52.6	62.9
-85°	0.0	3.2	6.3	9.5	12.6	15.7	18.8	22.9	27.3	32.0	36.8
-87.5°	0.0	1.6	3.2	4.7	6.3	7.9	9.4	11.5	13.7	16.0	18.5
-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°	20.2	21.8	23.5	25.1	26.6	28.1	29.5	30.9	32.2	33.5	34.7
85°	40.3	43.7	49.5	55.4	61.0	66.5	71.7	76.8	81.6	86.2	90.6
82.5°	72.1	81.6	91.2	101.0	109.5	117.7	125.8	134.0	142.3	150.5	158.7
80°	106.1	119.2	134.2	148.5	161.0	172.9	184.4	195.5	207.5	220.3	233.3
77.5°	145.3	164.0	181.6	198.1	214.0	231.4	248.1	264.2	281.0	297.5	313.3
75°	187.3	208.7	231.2	253.4	274.9	295.7	316.1	336.8	357.8	378.6	398.4
72.5°	230.7	257.9	284.4	310.2	336.9	363.0	388.1	412.4	437.3	462.9	487.2
70°	275.8	306.7	339.4	370.9	401.0	431.4	462.2	491.8	520.7	550.3	579.6
67.5°	321.2	360.1	396.9	431.9	467.4	503.2	537.8	573.2	607.5	641.9	674.7
65°	371.3	413.7	454.0	494.1	534.3	576.3	617.3	656.7	696.5	734.9	769.5
62.5°	420.3	465.4	510.0	555.7	603.6	650.7	695.4	740.8	786.9	827.2	862.2
60°	465.4	515.5	565.4	617.4	670.4	721.1	771.2	820.5	870.1	916.4	945.0
57.5°	509.0	564.4	619.6	675.6	731.4	788.1	840.7	894.9	941.1	980.1	1013.2
55°	551.4	611.6	670.4	729.2	789.5	848.7	906.0	957.5	1002.6	1035.1	1067.0
52.5°	592.7	656.2	716.9	780.5	844.6	907.4	967.2	1015.0	1051.9	1085.2	1115.0
50°	632.8	697.3	761.5	830.3	898.1	964.5	1020.8	1062.5	1100.1	1132.5	1163.8
47.5°	670.3	737.6	806.2	878.6	949.9	1014.0	1065.7	1109.5	1147.9	1182.9	1219.9
45°	706.4	777.8	850.3	925.1	997.8	1059.8	1109.7	1156.8	1192.8	1232.2	1274.7
42.5°	741.5	816.4	892.4	969.7	1043.1	1101.1	1150.9	1194.1	1236.4	1283.2	1334.4
40°	774.8	852.9	932.2	1012.5	1085.9	1137.3	1186.0	1231.8	1283.2	1338.7	1398.1
37.5°	806.0	887.2	969.5	1052.9	1117.3	1170.3	1220.2	1271.3	1330.9	1395.3	1475.9
35°	835.2	919.1	1004.2	1084.2	1145.5	1201.7	1253.3	1310.3	1379.9	1464.1	1567.4
32.5°	862.3	948.6	1036.1	1109.7	1171.4	1229.8	1282.9	1353.9	1437.6	1537.7	1684.0
30°	887.3	975.6	1063.5	1134.6	1194.9	1253.4	1318.1	1398.0	1496.0	1642.2	1829.3
27.5°	910.5	1000.1	1084.9	1155.4	1215.8	1276.1	1351.7	1448.7	1577.7	1752.1	1984.8
25°	931.7	1023.6	1105.5	1172.7	1235.2	1302.1	1384.3	1493.3	1662.9	1888.2	2202.5
22.5°	951.0	1044.7	1125.2	1187.8	1253.3	1325.9	1421.7	1558.1	1753.6	2016.7	2422.2
20°	968.1	1060.8	1139.9	1202.0	1270.1	1345.5	1455.1	1619.5	1855.3	2196.0	2713.6
17.5°	983.2	1074.8	1151.0	1215.7	1286.4	1367.8	1487.6	1672.8	1945.7	2352.5	3008.2
15°	996.1	1086.8	1160.3	1227.3	1300.7	1393.3	1532.8	1742.4	2050.7	2515.2	3265.0
12.5°	1006.8	1096.6	1167.9	1236.8	1312.4	1414.6	1571.5	1808.0	2159.7	2715.2	3643.3
10°	1015.3	1104.4	1173.7	1244.2	1321.6	1431.7	1603.0	1861.7	2250.0	2888.3	3966.1
7.5°	1023.1	1110.0	1177.8	1249.4	1328.1	1444.4	1626.9	1903.1	2319.2	3024.3	4221.5
5°	1028.9	1113.5	1180.0	1252.5	1333.6	1452.7	1643.1	1931.8	2367.1	3121.5	4401.2
2.5°	1032.3	1114.6	1180.4	1253.2	1337.7	1456.5	1651.5	1947.6	2404.7	3167.5	4497.7
0°	1033.5	1113.5	1179.0	1251.8	1339.1	1455.6	1652.1	1950.5	2423.6	3165.9	4512.3
-2.5°	1032.3	1114.6	1180.4	1253.2	1337.7	1456.5	1651.5	1947.6	2404.7	3167.5	4497.7
-5°	1028.9	1113.5	1180.0	1252.5	1333.6	1452.7	1643.1	1931.8	2367.1	3121.5	4401.2
-7.5°	1023.1	1110.0	1177.8	1249.4	1328.1	1444.4	1626.9	1903.1	2319.2	3024.3	4221.5
-10°	1015.3	1104.4	1173.7	1244.2	1321.6	1431.7	1603.0	1861.7	2250.0	2888.3	3966.1
-12.5°	1006.8	1096.6	1167.9	1236.8	1312.4	1414.6	1571.5	1808.0	2159.7	2715.2	3643.3
-15°	996.1	1086.8	1160.3	1227.3	1300.7	1393.3	1532.8	1742.4	2050.7	2515.2	3265.0
-17.5°	983.2	1074.8	1151.0	1215.7	1286.4	1367.8	1487.6	1672.8	1945.7	2352.5	3008.2
-20°	968.1	1060.8	1139.9	1202.0	1270.1	1345.5	1455.1	1619.5	1855.3	2196.0	2713.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627527 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-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°	951.0	1044.7	1125.2	1187.8	1253.3	1325.9	1421.7	1558.1	1753.6	2016.7	2422.2
-25°	931.7	1023.6	1105.5	1172.7	1235.2	1302.1	1384.3	1493.3	1662.9	1888.2	2202.5
-27.5°	910.5	1000.1	1084.9	1155.4	1215.8	1276.1	1351.7	1448.7	1577.7	1752.1	1984.8
-30°	887.3	975.6	1063.5	1134.6	1194.9	1253.4	1318.1	1398.0	1496.0	1642.2	1829.3
-32.5°	862.3	948.6	1036.1	1109.7	1171.4	1229.8	1282.9	1353.9	1437.6	1537.7	1684.0
-35°	835.2	919.1	1004.2	1084.2	1145.5	1201.7	1253.3	1310.3	1379.9	1464.1	1567.4
-37.5°	806.0	887.2	969.5	1052.9	1117.3	1170.3	1220.2	1271.3	1330.9	1395.3	1475.9
-40°	774.8	852.9	932.2	1012.5	1085.9	1137.3	1186.0	1231.8	1283.2	1338.7	1398.1
-42.5°	741.5	816.4	892.4	969.7	1043.1	1101.1	1150.9	1194.1	1236.4	1283.2	1334.4
-45°	706.4	777.8	850.3	925.1	997.8	1059.8	1109.7	1156.8	1192.8	1232.2	1274.7
-47.5°	670.3	737.6	806.2	878.6	949.9	1014.0	1065.7	1109.5	1147.9	1182.9	1219.9
-50°	632.8	697.3	761.5	830.3	898.1	964.5	1020.8	1062.5	1100.1	1132.5	1163.8
-52.5°	592.7	656.2	716.9	780.5	844.6	907.4	967.2	1015.0	1051.9	1085.2	1115.0
-55°	551.4	611.6	670.4	729.2	789.5	848.7	906.0	957.5	1002.6	1035.1	1067.0
-57.5°	509.0	564.4	619.6	675.6	731.4	788.1	840.7	894.9	941.1	980.1	1013.2
-60°	465.4	515.5	565.4	617.4	670.4	721.1	771.2	820.5	870.1	916.4	945.0
-62.5°	420.3	465.4	510.0	555.7	603.6	650.7	695.4	740.8	786.9	827.2	862.2
-65°	371.3	413.7	454.0	494.1	534.3	576.3	617.3	656.7	696.5	734.9	769.5
-67.5°	321.2	360.1	396.9	431.9	467.4	503.2	537.8	573.2	607.5	641.9	674.7
-70°	275.8	306.7	339.4	370.9	401.0	431.4	462.2	491.8	520.7	550.3	579.6
-72.5°	230.7	257.9	284.4	310.2	336.9	363.0	388.1	412.4	437.3	462.9	487.2
-75°	187.3	208.7	231.2	253.4	274.9	295.7	316.1	336.8	357.8	378.6	398.4
-77.5°	145.3	164.0	181.6	198.1	214.0	231.4	248.1	264.2	281.0	297.5	313.3
-80°	106.1	119.2	134.2	148.5	161.0	172.9	184.4	195.5	207.5	220.3	233.3
-82.5°	72.1	81.6	91.2	101.0	109.5	117.7	125.8	134.0	142.3	150.5	158.7
-85°	40.3	43.7	49.5	55.4	61.0	66.5	71.7	76.8	81.6	86.2	90.6
-87.5°	20.2	21.8	23.5	25.1	26.6	28.1	29.5	30.9	32.2	33.5	34.7
-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: P627527 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-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°	35.8	35.3	34.7	33.9	33.0	35.3	37.6	39.9	42.2	40.9	39.4
85°	94.7	96.8	98.6	100.2	101.4	106.0	110.3	114.4	118.2	118.1	117.6
82.5°	166.7	172.0	176.6	180.8	184.5	189.8	194.5	198.6	202.1	204.7	206.9
80°	245.6	254.3	261.8	268.6	274.7	281.7	288.2	294.0	299.0	301.7	303.4
77.5°	329.0	341.8	353.1	364.0	374.3	384.5	393.8	402.1	409.3	411.0	410.6
75°	417.4	434.4	450.5	465.3	479.0	490.8	500.8	509.2	516.1	519.5	521.3
72.5°	510.4	531.4	550.3	567.3	581.9	594.0	604.6	613.7	621.4	626.3	629.2
70°	607.5	632.3	651.7	667.7	680.2	692.3	705.8	718.8	730.9	737.7	740.3
67.5°	704.8	730.6	748.3	762.9	774.4	786.2	803.3	818.7	832.4	841.6	847.5
65°	800.0	827.2	845.0	859.0	869.5	881.4	900.5	915.7	927.3	936.6	944.9
62.5°	894.2	921.5	941.4	957.9	973.2	986.3	1002.0	1014.8	1024.8	1033.9	1044.2
60°	975.7	1008.2	1028.9	1045.8	1064.7	1085.2	1096.7	1106.3	1114.7	1122.0	1128.3
57.5°	1042.3	1071.3	1098.0	1118.3	1138.0	1157.0	1170.6	1179.6	1186.9	1192.3	1194.5
55°	1098.1	1128.0	1157.8	1179.7	1199.1	1216.9	1231.8	1243.6	1253.3	1260.9	1262.7
52.5°	1148.0	1181.6	1210.9	1236.2	1261.8	1282.8	1299.2	1315.1	1329.0	1340.3	1345.1
50°	1202.3	1237.5	1274.1	1307.9	1335.2	1359.1	1379.0	1401.6	1425.3	1445.0	1457.4
47.5°	1259.5	1300.1	1344.2	1385.8	1418.1	1453.6	1486.6	1520.2	1564.3	1601.4	1629.0
45°	1319.3	1371.3	1421.6	1474.6	1519.3	1586.1	1648.2	1701.5	1772.3	1836.6	1887.7
42.5°	1389.8	1454.6	1516.5	1601.4	1690.2	1781.4	1880.1	1964.3	2075.1	2187.8	2278.8
40°	1473.5	1556.3	1665.2	1779.1	1919.3	2044.9	2215.3	2367.0	2537.0	2751.8	2929.3
37.5°	1574.2	1701.7	1853.2	2012.0	2230.7	2439.6	2721.2	3017.9	3287.1	3700.4	4048.1
35°	1704.9	1883.2	2082.7	2363.8	2673.3	3064.8	3504.0	4077.1	4568.6	5265.8	5932.0
32.5°	1873.4	2102.7	2428.4	2862.3	3319.8	4030.6	4727.6	5722.7	6644.1	7749.1	8941.6
30°	2060.9	2409.8	2907.5	3502.6	4356.0	5401.8	6630.4	8158.8	9831.4	11384.4	12914.8
27.5°	2332.7	2832.5	3486.3	4446.7	5776.7	7239.8	9392.4	11467.1	13631.7	15555.8	17160.5
25°	2649.9	3310.5	4321.5	5735.6	7534.3	10039.7	12616.5	15177.1	17504.9	19519.3	21292.3
22.5°	3059.6	4009.7	5357.5	7189.1	9990.1	12992.9	16014.6	18838.9	21322.0	23565.1	25484.4
20°	3505.2	4694.1	6618.8	9350.1	12553.3	15974.4	19386.2	22394.7	25128.8	27672.1	29835.3
17.5°	4070.0	5734.9	8172.3	11448.8	15152.3	18900.5	22484.8	25749.6	28851.5	31542.7	33803.0
15°	4551.3	6651.6	9832.7	13675.4	17681.2	21635.1	25419.2	28965.5	32190.5	34951.8	37076.5
12.5°	5193.3	7679.0	11306.9	15589.6	19930.5	24090.8	28076.7	31742.0	35024.0	37754.9	39409.0
10°	5800.2	8742.6	12731.8	17198.0	21707.9	26140.5	30396.3	34155.4	37202.6	39375.0	40784.6
7.5°	6316.2	9656.7	13890.9	18498.1	23120.0	27754.4	32062.3	35719.8	38529.5	40343.7	41325.0
5°	6701.5	10340.0	14751.2	19554.5	24297.2	29013.0	33287.3	36720.8	39149.1	40496.9	40989.6
2.5°	6947.0	10741.3	15250.5	20247.6	25085.2	29809.3	34127.5	37507.2	39567.5	40460.9	40545.7
0°	7045.1	10793.2	15327.4	20611.2	25283.7	30036.2	34366.6	37830.9	39723.2	40458.2	40443.7
-2.5°	6947.0	10741.3	15250.5	20247.6	25085.2	29809.3	34127.5	37507.2	39567.5	40460.9	40545.7
-5°	6701.5	10340.0	14751.2	19554.5	24297.2	29013.0	33287.3	36720.8	39149.1	40496.9	40989.6
-7.5°	6316.2	9656.7	13890.9	18498.1	23120.0	27754.4	32062.3	35719.8	38529.5	40343.7	41325.0
-10°	5800.2	8742.6	12731.8	17198.0	21707.9	26140.5	30396.3	34155.4	37202.6	39375.0	40784.6
-12.5°	5193.3	7679.0	11306.9	15589.6	19930.5	24090.8	28076.7	31742.0	35024.0	37754.9	39409.0
-15°	4551.3	6651.6	9832.7	13675.4	17681.2	21635.1	25419.2	28965.5	32190.5	34951.8	37076.5
-17.5°	4070.0	5734.9	8172.3	11448.8	15152.3	18900.5	22484.8	25749.6	28851.5	31542.7	33803.0
-20°	3505.2	4694.1	6618.8	9350.1	12553.3	15974.4	19386.2	22394.7	25128.8	27672.1	29835.3



REPORT NUMBER: P627527 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3059.6	4009.7	5357.5	7189.1	9990.1	12992.9	16014.6	18838.9	21322.0	23565.1	25484.4
-25°	2649.9	3310.5	4321.5	5735.6	7534.3	10039.7	12616.5	15177.1	17504.9	19519.3	21292.3
-27.5°	2332.7	2832.5	3486.3	4446.7	5776.7	7239.8	9392.4	11467.1	13631.7	15555.8	17160.5
-30°	2060.9	2409.8	2907.5	3502.6	4356.0	5401.8	6630.4	8158.8	9831.4	11384.4	12914.8
-32.5°	1873.4	2102.7	2428.4	2862.3	3319.8	4030.6	4727.6	5722.7	6644.1	7749.1	8941.6
-35°	1704.9	1883.2	2082.7	2363.8	2673.3	3064.8	3504.0	4077.1	4568.6	5265.8	5932.0
-37.5°	1574.2	1701.7	1853.2	2012.0	2230.7	2439.6	2721.2	3017.9	3287.1	3700.4	4048.1
-40°	1473.5	1556.3	1665.2	1779.1	1919.3	2044.9	2215.3	2367.0	2537.0	2751.8	2929.3
-42.5°	1389.8	1454.6	1516.5	1601.4	1690.2	1781.4	1880.1	1964.3	2075.1	2187.8	2278.8
-45°	1319.3	1371.3	1421.6	1474.6	1519.3	1586.1	1648.2	1701.5	1772.3	1836.6	1887.7
-47.5°	1259.5	1300.1	1344.2	1385.8	1418.1	1453.6	1486.6	1520.2	1564.3	1601.4	1629.0
-50°	1202.3	1237.5	1274.1	1307.9	1335.2	1359.1	1379.0	1401.6	1425.3	1445.0	1457.4
-52.5°	1148.0	1181.6	1210.9	1236.2	1261.8	1282.8	1299.2	1315.1	1329.0	1340.3	1345.1
-55°	1098.1	1128.0	1157.8	1179.7	1199.1	1216.9	1231.8	1243.6	1253.3	1260.9	1262.7
-57.5°	1042.3	1071.3	1098.0	1118.3	1138.0	1157.0	1170.6	1179.6	1186.9	1192.3	1194.5
-60°	975.7	1008.2	1028.9	1045.8	1064.7	1085.2	1096.7	1106.3	1114.7	1122.0	1128.3
-62.5°	894.2	921.5	941.4	957.9	973.2	986.3	1002.0	1014.8	1024.8	1033.9	1044.2
-65°	800.0	827.2	845.0	859.0	869.5	881.4	900.5	915.7	927.3	936.6	944.9
-67.5°	704.8	730.6	748.3	762.9	774.4	786.2	803.3	818.7	832.4	841.6	847.5
-70°	607.5	632.3	651.7	667.7	680.2	692.3	705.8	718.8	730.9	737.7	740.3
-72.5°	510.4	531.4	550.3	567.3	581.9	594.0	604.6	613.7	621.4	626.3	629.2
-75°	417.4	434.4	450.5	465.3	479.0	490.8	500.8	509.2	516.1	519.5	521.3
-77.5°	329.0	341.8	353.1	364.0	374.3	384.5	393.8	402.1	409.3	411.0	410.6
-80°	245.6	254.3	261.8	268.6	274.7	281.7	288.2	294.0	299.0	301.7	303.4
-82.5°	166.7	172.0	176.6	180.8	184.5	189.8	194.5	198.6	202.1	204.7	206.9
-85°	94.7	96.8	98.6	100.2	101.4	106.0	110.3	114.4	118.2	118.1	117.6
-87.5°	35.8	35.3	34.7	33.9	33.0	35.3	37.6	39.9	42.2	40.9	39.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627527 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-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°	37.9	36.3	36.4	36.4	36.4	36.3	37.9	39.4	40.9	42.2	39.9
85°	116.9	115.8	112.7	109.2	112.7	115.8	116.9	117.6	118.1	118.2	114.4
82.5°	208.7	210.0	207.2	203.8	207.2	210.0	208.7	206.9	204.7	202.1	198.6
80°	304.3	304.3	301.7	298.4	301.7	304.3	304.3	303.4	301.7	299.0	294.0
77.5°	408.8	405.9	407.1	407.6	407.1	405.9	408.8	410.6	411.0	409.3	402.1
75°	522.0	521.5	519.8	516.7	519.8	521.5	522.0	521.3	519.5	516.1	509.2
72.5°	630.6	630.5	629.0	625.9	629.0	630.5	630.6	629.2	626.3	621.4	613.7
70°	740.9	739.6	741.5	742.4	741.5	739.6	740.9	740.3	737.7	730.9	718.8
67.5°	852.0	854.9	854.4	851.5	854.4	854.9	852.0	847.5	841.6	832.4	818.7
65°	951.6	956.6	959.6	960.7	959.6	956.6	951.6	944.9	936.6	927.3	915.7
62.5°	1052.2	1058.0	1058.3	1055.3	1058.3	1058.0	1052.2	1044.2	1033.9	1024.8	1014.8
60°	1131.9	1132.8	1131.4	1128.1	1131.4	1132.8	1131.9	1128.3	1122.0	1114.7	1106.3
57.5°	1194.4	1192.3	1189.8	1186.3	1189.8	1192.3	1194.4	1194.5	1192.3	1186.9	1179.6
55°	1261.7	1258.2	1255.3	1251.8	1255.3	1258.2	1261.7	1262.7	1260.9	1253.3	1243.6
52.5°	1346.2	1344.3	1342.2	1339.1	1342.2	1344.3	1346.2	1345.1	1340.3	1329.0	1315.1
50°	1463.7	1465.5	1465.3	1462.9	1465.3	1465.5	1463.7	1457.4	1445.0	1425.3	1401.6
47.5°	1646.4	1656.2	1662.7	1666.7	1662.7	1656.2	1646.4	1629.0	1601.4	1564.3	1520.2
45°	1920.4	1939.8	1953.5	1965.1	1953.5	1939.8	1920.4	1887.7	1836.6	1772.3	1701.5
42.5°	2342.9	2386.5	2407.0	2401.7	2407.0	2386.5	2342.9	2278.8	2187.8	2075.1	1964.3
40°	3047.6	3117.9	3156.8	3187.8	3156.8	3117.9	3047.6	2929.3	2751.8	2537.0	2367.0
37.5°	4285.5	4421.8	4493.6	4556.0	4493.6	4421.8	4285.5	4048.1	3700.4	3287.1	3017.9
35°	6429.8	6736.4	6900.6	6957.7	6900.6	6736.4	6429.8	5932.0	5265.8	4568.6	4077.1
32.5°	9869.5	10435.2	10748.1	10989.7	10748.1	10435.2	9869.5	8941.6	7749.1	6644.1	5722.7
30°	14126.6	14871.7	15285.5	15487.5	15285.5	14871.7	14126.6	12914.8	11384.4	9831.4	8158.8
27.5°	18490.6	19337.7	19783.8	19759.7	19783.8	19337.7	18490.6	17160.5	15555.8	13631.7	11467.1
25°	22812.4	23793.5	24238.0	24635.9	24238.0	23793.5	22812.4	21292.3	19519.3	17504.9	15177.1
22.5°	27183.4	28330.6	28956.6	29250.2	28956.6	28330.6	27183.4	25484.4	23565.1	21322.0	18838.9
20°	31502.4	32779.5	33444.1	33733.4	33444.1	32779.5	31502.4	29835.3	27672.1	25128.8	22394.7
17.5°	35332.9	36579.6	37213.1	37481.5	37213.1	36579.6	35332.9	33803.0	31542.7	28851.5	25749.6
15°	38391.5	39311.1	39849.8	39992.4	39849.8	39311.1	38391.5	37076.5	34951.8	32190.5	28965.5
12.5°	40505.8	40862.0	41121.1	41200.6	41121.1	40862.0	40505.8	39409.0	37754.9	35024.0	31742.0
10°	41586.7	41426.0	41359.6	41368.0	41359.6	41426.0	41586.7	40784.6	39375.0	37202.6	34155.4
7.5°	41512.3	41274.4	40796.4	40720.2	40796.4	41274.4	41512.3	41325.0	40343.7	38529.5	35719.8
5°	40915.9	40482.6	39689.2	39461.2	39689.2	40482.6	40915.9	40989.6	40496.9	39149.1	36720.8
2.5°	40220.8	39439.7	38708.8	38238.5	38708.8	39439.7	40220.8	40545.7	40460.9	39567.5	37507.2
0°	40014.3	39111.8	38165.7	37860.0	38165.7	39111.8	40014.3	40443.7	40458.2	39723.2	37830.9
-2.5°	40220.8	39439.7	38708.8	38238.5	38708.8	39439.7	40220.8	40545.7	40460.9	39567.5	37507.2
-5°	40915.9	40482.6	39689.2	39461.2	39689.2	40482.6	40915.9	40989.6	40496.9	39149.1	36720.8
-7.5°	41512.3	41274.4	40796.4	40720.2	40796.4	41274.4	41512.3	41325.0	40343.7	38529.5	35719.8
-10°	41586.7	41426.0	41359.6	41368.0	41359.6	41426.0	41586.7	40784.6	39375.0	37202.6	34155.4
-12.5°	40505.8	40862.0	41121.1	41200.6	41121.1	40862.0	40505.8	39409.0	37754.9	35024.0	31742.0
-15°	38391.5	39311.1	39849.8	39992.4	39849.8	39311.1	38391.5	37076.5	34951.8	32190.5	28965.5
-17.5°	35332.9	36579.6	37213.1	37481.5	37213.1	36579.6	35332.9	33803.0	31542.7	28851.5	25749.6
-20°	31502.4	32779.5	33444.1	33733.4	33444.1	32779.5	31502.4	29835.3	27672.1	25128.8	22394.7



REPORT NUMBER: P627527 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-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°	27183.4	28330.6	28956.6	29250.2	28956.6	28330.6	27183.4	25484.4	23565.1	21322.0	18838.9
-25°	22812.4	23793.5	24238.0	24635.9	24238.0	23793.5	22812.4	21292.3	19519.3	17504.9	15177.1
-27.5°	18490.6	19337.7	19783.8	19759.7	19783.8	19337.7	18490.6	17160.5	15555.8	13631.7	11467.1
-30°	14126.6	14871.7	15285.5	15487.5	15285.5	14871.7	14126.6	12914.8	11384.4	9831.4	8158.8
-32.5°	9869.5	10435.2	10748.1	10989.7	10748.1	10435.2	9869.5	8941.6	7749.1	6644.1	5722.7
-35°	6429.8	6736.4	6900.6	6957.7	6900.6	6736.4	6429.8	5932.0	5265.8	4568.6	4077.1
-37.5°	4285.5	4421.8	4493.6	4556.0	4493.6	4421.8	4285.5	4048.1	3700.4	3287.1	3017.9
-40°	3047.6	3117.9	3156.8	3187.8	3156.8	3117.9	3047.6	2929.3	2751.8	2537.0	2367.0
-42.5°	2342.9	2386.5	2407.0	2401.7	2407.0	2386.5	2342.9	2278.8	2187.8	2075.1	1964.3
-45°	1920.4	1939.8	1953.5	1965.1	1953.5	1939.8	1920.4	1887.7	1836.6	1772.3	1701.5
-47.5°	1646.4	1656.2	1662.7	1666.7	1662.7	1656.2	1646.4	1629.0	1601.4	1564.3	1520.2
-50°	1463.7	1465.5	1465.3	1462.9	1465.3	1465.5	1463.7	1457.4	1445.0	1425.3	1401.6
-52.5°	1346.2	1344.3	1342.2	1339.1	1342.2	1344.3	1346.2	1345.1	1340.3	1329.0	1315.1
-55°	1261.7	1258.2	1255.3	1251.8	1255.3	1258.2	1261.7	1262.7	1260.9	1253.3	1243.6
-57.5°	1194.4	1192.3	1189.8	1186.3	1189.8	1192.3	1194.4	1194.5	1192.3	1186.9	1179.6
-60°	1131.9	1132.8	1131.4	1128.1	1131.4	1132.8	1131.9	1128.3	1122.0	1114.7	1106.3
-62.5°	1052.2	1058.0	1058.3	1055.3	1058.3	1058.0	1052.2	1044.2	1033.9	1024.8	1014.8
-65°	951.6	956.6	959.6	960.7	959.6	956.6	951.6	944.9	936.6	927.3	915.7
-67.5°	852.0	854.9	854.4	851.5	854.4	854.9	852.0	847.5	841.6	832.4	818.7
-70°	740.9	739.6	741.5	742.4	741.5	739.6	740.9	740.3	737.7	730.9	718.8
-72.5°	630.6	630.5	629.0	625.9	629.0	630.5	630.6	629.2	626.3	621.4	613.7
-75°	522.0	521.5	519.8	516.7	519.8	521.5	522.0	521.3	519.5	516.1	509.2
-77.5°	408.8	405.9	407.1	407.6	407.1	405.9	408.8	410.6	411.0	409.3	402.1
-80°	304.3	304.3	301.7	298.4	301.7	304.3	304.3	303.4	301.7	299.0	294.0
-82.5°	208.7	210.0	207.2	203.8	207.2	210.0	208.7	206.9	204.7	202.1	198.6
-85°	116.9	115.8	112.7	109.2	112.7	115.8	116.9	117.6	118.1	118.2	114.4
-87.5°	37.9	36.3	36.4	36.4	36.4	36.3	37.9	39.4	40.9	42.2	39.9
-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: P627527 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-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°	37.6	35.3	33.0	33.9	34.7	35.3	35.8	34.7	33.5	32.2	30.9
85°	110.3	106.0	101.4	100.2	98.6	96.8	94.7	90.6	86.2	81.6	76.8
82.5°	194.5	189.8	184.5	180.8	176.6	172.0	166.7	158.7	150.5	142.3	134.0
80°	288.2	281.7	274.7	268.6	261.8	254.3	245.6	233.3	220.3	207.5	195.5
77.5°	393.8	384.5	374.3	364.0	353.1	341.8	329.0	313.3	297.5	281.0	264.2
75°	500.8	490.8	479.0	465.3	450.5	434.4	417.4	398.4	378.6	357.8	336.8
72.5°	604.6	594.0	581.9	567.3	550.3	531.4	510.4	487.2	462.9	437.3	412.4
70°	705.8	692.3	680.2	667.7	651.7	632.3	607.5	579.6	550.3	520.7	491.8
67.5°	803.3	786.2	774.4	762.9	748.3	730.6	704.8	674.7	641.9	607.5	573.2
65°	900.5	881.4	869.5	859.0	845.0	827.2	800.0	769.5	734.9	696.5	656.7
62.5°	1002.0	986.3	973.2	957.9	941.4	921.5	894.2	862.2	827.2	786.9	740.8
60°	1096.7	1085.2	1064.7	1045.8	1028.9	1008.2	975.7	945.0	916.4	870.1	820.5
57.5°	1170.6	1157.0	1138.0	1118.3	1098.0	1071.3	1042.3	1013.2	980.1	941.1	894.9
55°	1231.8	1216.9	1199.1	1179.7	1157.8	1128.0	1098.1	1067.0	1035.1	1002.6	957.5
52.5°	1299.2	1282.8	1261.8	1236.2	1210.9	1181.6	1148.0	1115.0	1085.2	1051.9	1015.0
50°	1379.0	1359.1	1335.2	1307.9	1274.1	1237.5	1202.3	1163.8	1132.5	1100.1	1062.5
47.5°	1486.6	1453.6	1418.1	1385.8	1344.2	1300.1	1259.5	1219.9	1182.9	1147.9	1109.5
45°	1648.2	1586.1	1519.3	1474.6	1421.6	1371.3	1319.3	1274.7	1232.2	1192.8	1156.8
42.5°	1880.1	1781.4	1690.2	1601.4	1516.5	1454.6	1389.8	1334.4	1283.2	1236.4	1194.1
40°	2215.3	2044.9	1919.3	1779.1	1665.2	1556.3	1473.5	1398.1	1338.7	1283.2	1231.8
37.5°	2721.2	2439.6	2230.7	2012.0	1853.2	1701.7	1574.2	1475.9	1395.3	1330.9	1271.3
35°	3504.0	3064.8	2673.3	2363.8	2082.7	1883.2	1704.9	1567.4	1464.1	1379.9	1310.3
32.5°	4727.6	4030.6	3319.8	2862.3	2428.4	2102.7	1873.4	1684.0	1537.7	1437.6	1353.9
30°	6630.4	5401.8	4356.0	3502.6	2907.5	2409.8	2060.9	1829.3	1642.2	1496.0	1398.0
27.5°	9392.4	7239.8	5776.7	4446.7	3486.3	2832.5	2332.7	1984.8	1752.1	1577.7	1448.7
25°	12616.5	10039.7	7534.3	5735.6	4321.5	3310.5	2649.9	2202.5	1888.2	1662.9	1493.3
22.5°	16014.6	12992.9	9990.1	7189.1	5357.5	4009.7	3059.6	2422.2	2016.7	1753.6	1558.1
20°	19386.2	15974.4	12553.3	9350.1	6618.8	4694.1	3505.2	2713.6	2196.0	1855.3	1619.5
17.5°	22484.8	18900.5	15152.3	11448.8	8172.3	5734.9	4070.0	3008.2	2352.5	1945.7	1672.8
15°	25419.2	21635.1	17681.2	13675.4	9832.7	6651.6	4551.3	3265.0	2515.2	2050.7	1742.4
12.5°	28076.7	24090.8	19930.5	15589.6	11306.9	7679.0	5193.3	3643.3	2715.2	2159.7	1808.0
10°	30396.3	26140.5	21707.9	17198.0	12731.8	8742.6	5800.2	3966.1	2888.3	2250.0	1861.7
7.5°	32062.3	27754.4	23120.0	18498.1	13890.9	9656.7	6316.2	4221.5	3024.3	2319.2	1903.1
5°	33287.3	29013.0	24297.2	19554.5	14751.2	10340.0	6701.5	4401.2	3121.5	2367.1	1931.8
2.5°	34127.5	29809.3	25085.2	20247.6	15250.5	10741.3	6947.0	4497.7	3167.5	2404.7	1947.6
0°	34366.6	30036.2	25283.7	20611.2	15327.4	10793.2	7045.1	4512.3	3165.9	2423.6	1950.5
-2.5°	34127.5	29809.3	25085.2	20247.6	15250.5	10741.3	6947.0	4497.7	3167.5	2404.7	1947.6
-5°	33287.3	29013.0	24297.2	19554.5	14751.2	10340.0	6701.5	4401.2	3121.5	2367.1	1931.8
-7.5°	32062.3	27754.4	23120.0	18498.1	13890.9	9656.7	6316.2	4221.5	3024.3	2319.2	1903.1
-10°	30396.3	26140.5	21707.9	17198.0	12731.8	8742.6	5800.2	3966.1	2888.3	2250.0	1861.7
-12.5°	28076.7	24090.8	19930.5	15589.6	11306.9	7679.0	5193.3	3643.3	2715.2	2159.7	1808.0
-15°	25419.2	21635.1	17681.2	13675.4	9832.7	6651.6	4551.3	3265.0	2515.2	2050.7	1742.4
-17.5°	22484.8	18900.5	15152.3	11448.8	8172.3	5734.9	4070.0	3008.2	2352.5	1945.7	1672.8
-20°	19386.2	15974.4	12553.3	9350.1	6618.8	4694.1	3505.2	2713.6	2196.0	1855.3	1619.5



REPORT NUMBER: P627527 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-740-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16014.6	12992.9	9990.1	7189.1	5357.5	4009.7	3059.6	2422.2	2016.7	1753.6	1558.1
-25°	12616.5	10039.7	7534.3	5735.6	4321.5	3310.5	2649.9	2202.5	1888.2	1662.9	1493.3
-27.5°	9392.4	7239.8	5776.7	4446.7	3486.3	2832.5	2332.7	1984.8	1752.1	1577.7	1448.7
-30°	6630.4	5401.8	4356.0	3502.6	2907.5	2409.8	2060.9	1829.3	1642.2	1496.0	1398.0
-32.5°	4727.6	4030.6	3319.8	2862.3	2428.4	2102.7	1873.4	1684.0	1537.7	1437.6	1353.9
-35°	3504.0	3064.8	2673.3	2363.8	2082.7	1883.2	1704.9	1567.4	1464.1	1379.9	1310.3
-37.5°	2721.2	2439.6	2230.7	2012.0	1853.2	1701.7	1574.2	1475.9	1395.3	1330.9	1271.3
-40°	2215.3	2044.9	1919.3	1779.1	1665.2	1556.3	1473.5	1398.1	1338.7	1283.2	1231.8
-42.5°	1880.1	1781.4	1690.2	1601.4	1516.5	1454.6	1389.8	1334.4	1283.2	1236.4	1194.1
-45°	1648.2	1586.1	1519.3	1474.6	1421.6	1371.3	1319.3	1274.7	1232.2	1192.8	1156.8
-47.5°	1486.6	1453.6	1418.1	1385.8	1344.2	1300.1	1259.5	1219.9	1182.9	1147.9	1109.5
-50°	1379.0	1359.1	1335.2	1307.9	1274.1	1237.5	1202.3	1163.8	1132.5	1100.1	1062.5
-52.5°	1299.2	1282.8	1261.8	1236.2	1210.9	1181.6	1148.0	1115.0	1085.2	1051.9	1015.0
-55°	1231.8	1216.9	1199.1	1179.7	1157.8	1128.0	1098.1	1067.0	1035.1	1002.6	957.5
-57.5°	1170.6	1157.0	1138.0	1118.3	1098.0	1071.3	1042.3	1013.2	980.1	941.1	894.9
-60°	1096.7	1085.2	1064.7	1045.8	1028.9	1008.2	975.7	945.0	916.4	870.1	820.5
-62.5°	1002.0	986.3	973.2	957.9	941.4	921.5	894.2	862.2	827.2	786.9	740.8
-65°	900.5	881.4	869.5	859.0	845.0	827.2	800.0	769.5	734.9	696.5	656.7
-67.5°	803.3	786.2	774.4	762.9	748.3	730.6	704.8	674.7	641.9	607.5	573.2
-70°	705.8	692.3	680.2	667.7	651.7	632.3	607.5	579.6	550.3	520.7	491.8
-72.5°	604.6	594.0	581.9	567.3	550.3	531.4	510.4	487.2	462.9	437.3	412.4
-75°	500.8	490.8	479.0	465.3	450.5	434.4	417.4	398.4	378.6	357.8	336.8
-77.5°	393.8	384.5	374.3	364.0	353.1	341.8	329.0	313.3	297.5	281.0	264.2
-80°	288.2	281.7	274.7	268.6	261.8	254.3	245.6	233.3	220.3	207.5	195.5
-82.5°	194.5	189.8	184.5	180.8	176.6	172.0	166.7	158.7	150.5	142.3	134.0
-85°	110.3	106.0	101.4	100.2	98.6	96.8	94.7	90.6	86.2	81.6	76.8
-87.5°	37.6	35.3	33.0	33.9	34.7	35.3	35.8	34.7	33.5	32.2	30.9
-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: P627527 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-740-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°	29.5	28.1	26.6	25.1	23.5	21.8	20.2	18.5	16.0	13.7	11.5
85°	71.7	66.5	61.0	55.4	49.5	43.7	40.3	36.8	32.0	27.3	22.9
82.5°	125.8	117.7	109.5	101.0	91.2	81.6	72.1	62.9	52.6	41.7	34.3
80°	184.4	172.9	161.0	148.5	134.2	119.2	106.1	93.3	80.8	67.6	53.5
77.5°	248.1	231.4	214.0	198.1	181.6	164.0	145.3	125.8	108.9	93.3	76.6
75°	316.1	295.7	274.9	253.4	231.2	208.7	187.3	164.9	142.3	119.4	99.5
72.5°	388.1	363.0	336.9	310.2	284.4	257.9	230.7	203.6	177.3	150.6	123.5
70°	462.2	431.4	401.0	370.9	339.4	306.7	275.8	243.8	211.9	181.5	150.6
67.5°	537.8	503.2	467.4	431.9	396.9	360.1	321.2	283.9	247.6	211.9	177.3
65°	617.3	576.3	534.3	494.1	454.0	413.7	371.3	324.7	282.4	242.6	203.6
62.5°	695.4	650.7	603.6	555.7	510.0	465.4	420.3	368.6	317.5	272.5	229.4
60°	771.2	721.1	670.4	617.4	565.4	515.5	465.4	411.3	355.6	301.6	254.6
57.5°	840.7	788.1	731.4	675.6	619.6	564.4	509.0	451.5	392.5	333.3	279.1
55°	906.0	848.7	789.5	729.2	670.4	611.6	551.4	490.2	428.1	364.8	303.1
52.5°	967.2	907.4	844.6	780.5	716.9	656.2	592.7	527.7	461.9	395.2	329.5
50°	1020.8	964.5	898.1	830.3	761.5	697.3	632.8	564.1	494.6	424.4	355.2
47.5°	1065.7	1014.0	949.9	878.6	806.2	737.6	670.3	599.2	526.2	452.4	379.9
45°	1109.7	1059.8	997.8	925.1	850.3	777.8	706.4	633.0	556.5	479.5	403.5
42.5°	1150.9	1101.1	1043.1	969.7	892.4	816.4	741.5	664.9	585.6	505.2	425.9
40°	1186.0	1137.3	1085.9	1012.5	932.2	852.9	774.8	695.7	613.3	529.7	447.1
37.5°	1220.2	1170.3	1117.3	1052.9	969.5	887.2	806.0	725.2	640.1	553.4	467.1
35°	1253.3	1201.7	1145.5	1084.2	1004.2	919.1	835.2	752.7	665.2	576.0	485.8
32.5°	1282.9	1229.8	1171.4	1109.7	1036.1	948.6	862.3	776.9	688.5	597.4	503.2
30°	1318.1	1253.4	1194.9	1134.6	1063.5	975.6	887.3	799.5	710.0	617.6	519.6
27.5°	1351.7	1276.1	1215.8	1155.4	1084.9	1000.1	910.5	820.4	729.6	636.0	535.7
25°	1384.3	1302.1	1235.2	1172.7	1105.5	1023.6	931.7	839.5	747.0	652.0	550.6
22.5°	1421.7	1325.9	1253.3	1187.8	1125.2	1044.7	951.0	856.8	762.4	666.3	564.2
20°	1455.1	1345.5	1270.1	1202.0	1139.9	1060.8	968.1	872.2	776.1	679.0	576.5
17.5°	1487.6	1367.8	1286.4	1215.7	1151.0	1074.8	983.2	885.8	788.2	690.0	587.5
15°	1532.8	1393.3	1300.7	1227.3	1160.3	1086.8	996.1	897.4	798.5	699.4	597.3
12.5°	1571.5	1414.6	1312.4	1236.8	1167.9	1096.6	1006.8	907.0	807.0	707.7	606.0
10°	1603.0	1431.7	1321.6	1244.2	1173.7	1104.4	1015.3	915.1	815.0	714.9	613.1
7.5°	1626.9	1444.4	1328.1	1249.4	1177.8	1110.0	1023.1	922.3	821.4	720.5	618.7
5°	1643.1	1452.7	1333.6	1252.5	1180.0	1113.5	1028.9	927.5	826.0	724.6	622.7
2.5°	1651.5	1456.5	1337.7	1253.2	1180.4	1114.6	1032.3	930.6	828.8	727.0	625.1
0°	1652.1	1455.6	1339.1	1251.8	1179.0	1113.5	1033.5	931.6	829.7	727.8	625.9
-2.5°	1651.5	1456.5	1337.7	1253.2	1180.4	1114.6	1032.3	930.6	828.8	727.0	625.1
-5°	1643.1	1452.7	1333.6	1252.5	1180.0	1113.5	1028.9	927.5	826.0	724.6	622.7
-7.5°	1626.9	1444.4	1328.1	1249.4	1177.8	1110.0	1023.1	922.3	821.4	720.5	618.7
-10°	1603.0	1431.7	1321.6	1244.2	1173.7	1104.4	1015.3	915.1	815.0	714.9	613.1
-12.5°	1571.5	1414.6	1312.4	1236.8	1167.9	1096.6	1006.8	907.0	807.0	707.7	606.0
-15°	1532.8	1393.3	1300.7	1227.3	1160.3	1086.8	996.1	897.4	798.5	699.4	597.3
-17.5°	1487.6	1367.8	1286.4	1215.7	1151.0	1074.8	983.2	885.8	788.2	690.0	587.5
-20°	1455.1	1345.5	1270.1	1202.0	1139.9	1060.8	968.1	872.2	776.1	679.0	576.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627527 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-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°	1421.7	1325.9	1253.3	1187.8	1125.2	1044.7	951.0	856.8	762.4	666.3	564.2
-25°	1384.3	1302.1	1235.2	1172.7	1105.5	1023.6	931.7	839.5	747.0	652.0	550.6
-27.5°	1351.7	1276.1	1215.8	1155.4	1084.9	1000.1	910.5	820.4	729.6	636.0	535.7
-30°	1318.1	1253.4	1194.9	1134.6	1063.5	975.6	887.3	799.5	710.0	617.6	519.6
-32.5°	1282.9	1229.8	1171.4	1109.7	1036.1	948.6	862.3	776.9	688.5	597.4	503.2
-35°	1253.3	1201.7	1145.5	1084.2	1004.2	919.1	835.2	752.7	665.2	576.0	485.8
-37.5°	1220.2	1170.3	1117.3	1052.9	969.5	887.2	806.0	725.2	640.1	553.4	467.1
-40°	1186.0	1137.3	1085.9	1012.5	932.2	852.9	774.8	695.7	613.3	529.7	447.1
-42.5°	1150.9	1101.1	1043.1	969.7	892.4	816.4	741.5	664.9	585.6	505.2	425.9
-45°	1109.7	1059.8	997.8	925.1	850.3	777.8	706.4	633.0	556.5	479.5	403.5
-47.5°	1065.7	1014.0	949.9	878.6	806.2	737.6	670.3	599.2	526.2	452.4	379.9
-50°	1020.8	964.5	898.1	830.3	761.5	697.3	632.8	564.1	494.6	424.4	355.2
-52.5°	967.2	907.4	844.6	780.5	716.9	656.2	592.7	527.7	461.9	395.2	329.5
-55°	906.0	848.7	789.5	729.2	670.4	611.6	551.4	490.2	428.1	364.8	303.1
-57.5°	840.7	788.1	731.4	675.6	619.6	564.4	509.0	451.5	392.5	333.3	279.1
-60°	771.2	721.1	670.4	617.4	565.4	515.5	465.4	411.3	355.6	301.6	254.6
-62.5°	695.4	650.7	603.6	555.7	510.0	465.4	420.3	368.6	317.5	272.5	229.4
-65°	617.3	576.3	534.3	494.1	454.0	413.7	371.3	324.7	282.4	242.6	203.6
-67.5°	537.8	503.2	467.4	431.9	396.9	360.1	321.2	283.9	247.6	211.9	177.3
-70°	462.2	431.4	401.0	370.9	339.4	306.7	275.8	243.8	211.9	181.5	150.6
-72.5°	388.1	363.0	336.9	310.2	284.4	257.9	230.7	203.6	177.3	150.6	123.5
-75°	316.1	295.7	274.9	253.4	231.2	208.7	187.3	164.9	142.3	119.4	99.5
-77.5°	248.1	231.4	214.0	198.1	181.6	164.0	145.3	125.8	108.9	93.3	76.6
-80°	184.4	172.9	161.0	148.5	134.2	119.2	106.1	93.3	80.8	67.6	53.5
-82.5°	125.8	117.7	109.5	101.0	91.2	81.6	72.1	62.9	52.6	41.7	34.3
-85°	71.7	66.5	61.0	55.4	49.5	43.7	40.3	36.8	32.0	27.3	22.9
-87.5°	29.5	28.1	26.6	25.1	23.5	21.8	20.2	18.5	16.0	13.7	11.5
-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: P627527 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-740-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°	9.4	7.9	6.3	4.7	3.2	1.6	0.0
85°	18.8	15.7	12.6	9.5	6.3	3.2	0.0
82.5°	28.2	23.6	18.9	14.2	9.5	4.7	0.0
80°	38.8	31.4	25.2	18.9	12.6	6.3	0.0
77.5°	59.2	42.3	31.4	23.6	15.7	7.9	0.0
75°	79.3	59.2	38.8	28.2	18.8	9.4	0.0
72.5°	99.2	75.8	52.2	32.8	21.9	10.9	0.0
70°	119.4	92.2	65.4	38.3	24.9	12.4	0.0
67.5°	142.1	108.4	78.3	48.0	27.8	13.9	0.0
65°	164.4	125.5	91.1	57.6	30.7	15.4	0.0
62.5°	186.1	143.4	103.6	67.0	33.6	16.8	0.0
60°	207.3	160.9	115.8	76.1	36.4	18.2	0.0
57.5°	228.5	177.8	129.1	85.1	42.2	19.6	0.0
55°	249.2	194.2	142.1	93.8	47.9	20.9	0.0
52.5°	269.5	210.2	154.7	102.2	53.4	22.2	0.0
50°	289.3	226.8	166.8	110.4	58.7	23.4	0.0
47.5°	308.7	242.8	178.4	118.5	63.8	24.6	0.0
45°	328.8	258.3	189.4	126.8	68.6	25.7	0.0
42.5°	348.0	273.2	200.0	134.7	73.2	26.8	0.0
40°	366.2	287.5	210.7	142.0	77.5	27.9	0.0
37.5°	383.3	301.2	221.5	148.8	81.6	28.9	0.0
35°	399.4	314.5	231.8	155.2	85.5	29.8	0.0
32.5°	414.4	327.1	241.5	161.2	89.0	30.7	0.0
30°	428.3	338.8	250.7	166.7	92.3	31.5	0.0
27.5°	441.0	349.5	258.7	171.8	95.3	32.3	0.0
25°	452.6	359.3	266.1	176.5	98.0	33.0	0.0
22.5°	462.9	368.0	272.7	180.7	100.4	33.6	0.0
20°	472.1	375.5	278.6	184.4	102.6	34.2	0.0
17.5°	480.4	381.9	283.8	187.6	104.4	34.7	0.0
15°	487.9	387.5	288.2	190.4	106.0	35.2	0.0
12.5°	494.3	392.0	291.8	192.6	107.2	35.5	0.0
10°	499.7	395.7	294.7	194.4	108.2	35.8	0.0
7.5°	503.9	398.3	296.8	195.7	108.9	36.1	0.0
5°	507.0	399.9	298.1	196.5	109.3	36.3	0.0
2.5°	508.9	400.6	298.7	196.7	109.4	36.4	0.0
0°	509.5	400.3	298.4	196.5	109.2	36.4	0.0
-2.5°	508.9	400.6	298.7	196.7	109.4	36.4	0.0
-5°	507.0	399.9	298.1	196.5	109.3	36.3	0.0
-7.5°	503.9	398.3	296.8	195.7	108.9	36.1	0.0
-10°	499.7	395.7	294.7	194.4	108.2	35.8	0.0
-12.5°	494.3	392.0	291.8	192.6	107.2	35.5	0.0
-15°	487.9	387.5	288.2	190.4	106.0	35.2	0.0
-17.5°	480.4	381.9	283.8	187.6	104.4	34.7	0.0
-20°	472.1	375.5	278.6	184.4	102.6	34.2	0.0

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CATALOG NUMBER: GFLD-SA4E-740-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	462.9	368.0	272.7	180.7	100.4	33.6	0.0
-25°	452.6	359.3	266.1	176.5	98.0	33.0	0.0
-27.5°	441.0	349.5	258.7	171.8	95.3	32.3	0.0
-30°	428.3	338.8	250.7	166.7	92.3	31.5	0.0
-32.5°	414.4	327.1	241.5	161.2	89.0	30.7	0.0
-35°	399.4	314.5	231.8	155.2	85.5	29.8	0.0
-37.5°	383.3	301.2	221.5	148.8	81.6	28.9	0.0
-40°	366.2	287.5	210.7	142.0	77.5	27.9	0.0
-42.5°	348.0	273.2	200.0	134.7	73.2	26.8	0.0
-45°	328.8	258.3	189.4	126.8	68.6	25.7	0.0
-47.5°	308.7	242.8	178.4	118.5	63.8	24.6	0.0
-50°	289.3	226.8	166.8	110.4	58.7	23.4	0.0
-52.5°	269.5	210.2	154.7	102.2	53.4	22.2	0.0
-55°	249.2	194.2	142.1	93.8	47.9	20.9	0.0
-57.5°	228.5	177.8	129.1	85.1	42.2	19.6	0.0
-60°	207.3	160.9	115.8	76.1	36.4	18.2	0.0
-62.5°	186.1	143.4	103.6	67.0	33.6	16.8	0.0
-65°	164.4	125.5	91.1	57.6	30.7	15.4	0.0
-67.5°	142.1	108.4	78.3	48.0	27.8	13.9	0.0
-70°	119.4	92.2	65.4	38.3	24.9	12.4	0.0
-72.5°	99.2	75.8	52.2	32.8	21.9	10.9	0.0
-75°	79.3	59.2	38.8	28.2	18.8	9.4	0.0
-77.5°	59.2	42.3	31.4	23.6	15.7	7.9	0.0
-80°	38.8	31.4	25.2	18.9	12.6	6.3	0.0
-82.5°	28.2	23.6	18.9	14.2	9.5	4.7	0.0
-85°	18.8	15.7	12.6	9.5	6.3	3.2	0.0
-87.5°	9.4	7.9	6.3	4.7	3.2	1.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)