

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: P627447 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-730-U-MWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627447 (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-SA4D-730-U-MWR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N93  
Light Source: (64) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

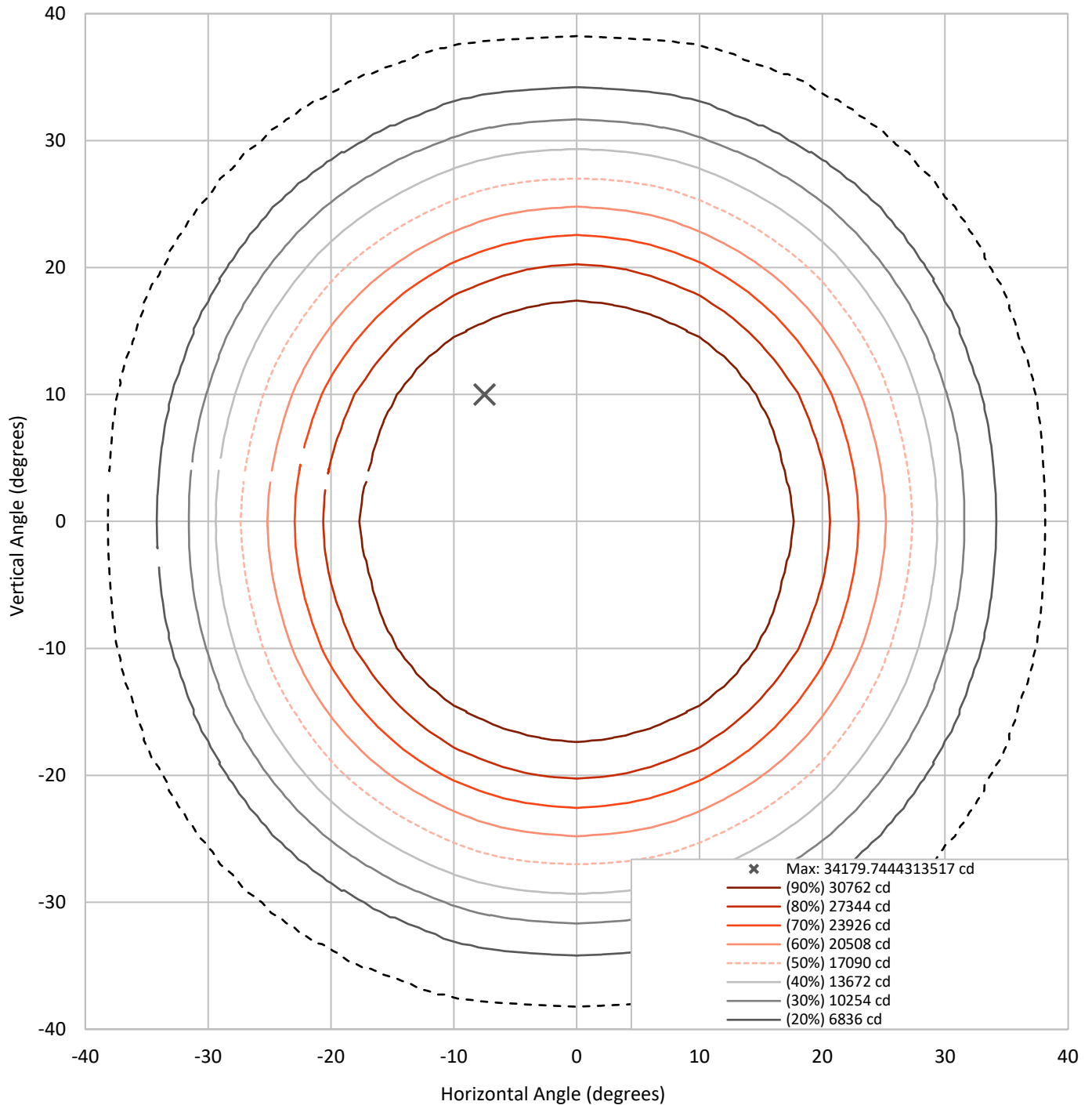
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	29090.2 lumens	Max Intensity:	34179.7 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	131.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	51°H x 52.3°V	Field Angle (10%):	74.5°H x 75.5°V
Beam Lumens:	19308.3 lumens	Field Lumens:	25106.4 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
Input Watts (W):	221.4		
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





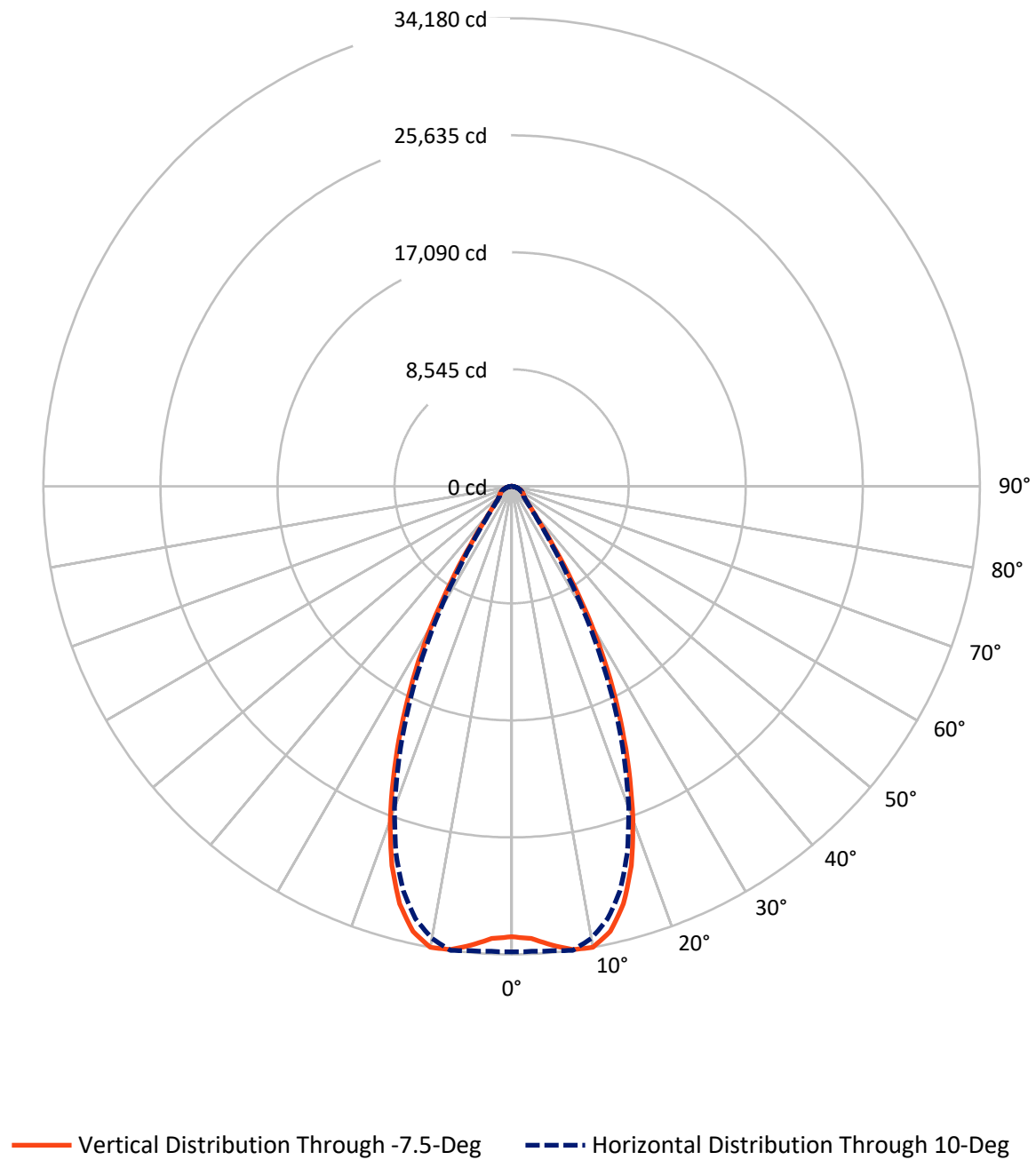
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### Lumen Table

90															90				
80	0.8	6.8		18.3		28.9		32.3		28.9		18.3		6.8		0.8			
70															70				
60	3.1	3.5	7.1	11.6	16.3	19.8	22.3	23.7	23.7	22.3	19.8	16.3	11.6	7.1	3.5	3.1			
50		5.2	10.5	16.8	22.4	27.2	30.4	31.7	31.7	30.4	27.2	22.4	16.8	10.5	5.2				
40	5.5	6.8	13.3	20.4	27.3	35.5	44.7	51.3	51.3	44.7	35.5	27.3	20.4	13.3	6.8	5.5			
30		8.0	15.4	23.4	36.2	66.1	126.5	187.6	187.6	126.5	66.1	36.2	23.4	15.4	8.0				
20	7.1	9.0	16.8	27.3	59.6	186.7	419.0	585.0	585.0	419.0	186.7	59.6	27.3	16.8	9.0	7.1			
10		9.6	17.7	32.5	107.7	398.1	760.3	951.5	951.5	760.3	398.1	107.7	32.5	17.7	9.6				
0	7.6	9.9	18.2	36.5	155.1	544.8	922.3	1003.5	1003.5	922.3	544.8	155.1	36.5	18.2	9.9	7.6			
-10		9.9	18.2	36.5	155.1	544.8	922.3	1003.5	1003.5	922.3	544.8	155.1	36.5	18.2	9.9				
-20	7.1	9.6	17.7	32.5	107.7	398.1	760.3	951.5	951.5	760.3	398.1	107.7	32.5	17.7	9.6	7.1			
-30		9.0	16.8	27.3	59.6	186.7	419.0	585.0	585.0	419.0	186.7	59.6	27.3	16.8	9.0				
-40	5.5	8.0	15.4	23.4	36.2	66.1	126.5	187.6	187.6	126.5	66.1	36.2	23.4	15.4	8.0	5.5			
-50		6.8	13.3	20.4	27.3	35.5	44.7	51.3	51.3	44.7	35.5	27.3	20.4	13.3	6.8				
-60	3.1	5.2	10.5	16.8	22.4	27.2	30.4	31.7	31.7	30.4	27.2	22.4	16.8	10.5	5.2	3.1			
-70		3.5	7.1	11.6	16.3	19.8	22.3	23.7	23.7	22.3	19.8	16.3	11.6	7.1	3.5				
-80															-80				
-90	0.8	6.8		18.3		28.9		32.3		28.9		18.3		6.8		0.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

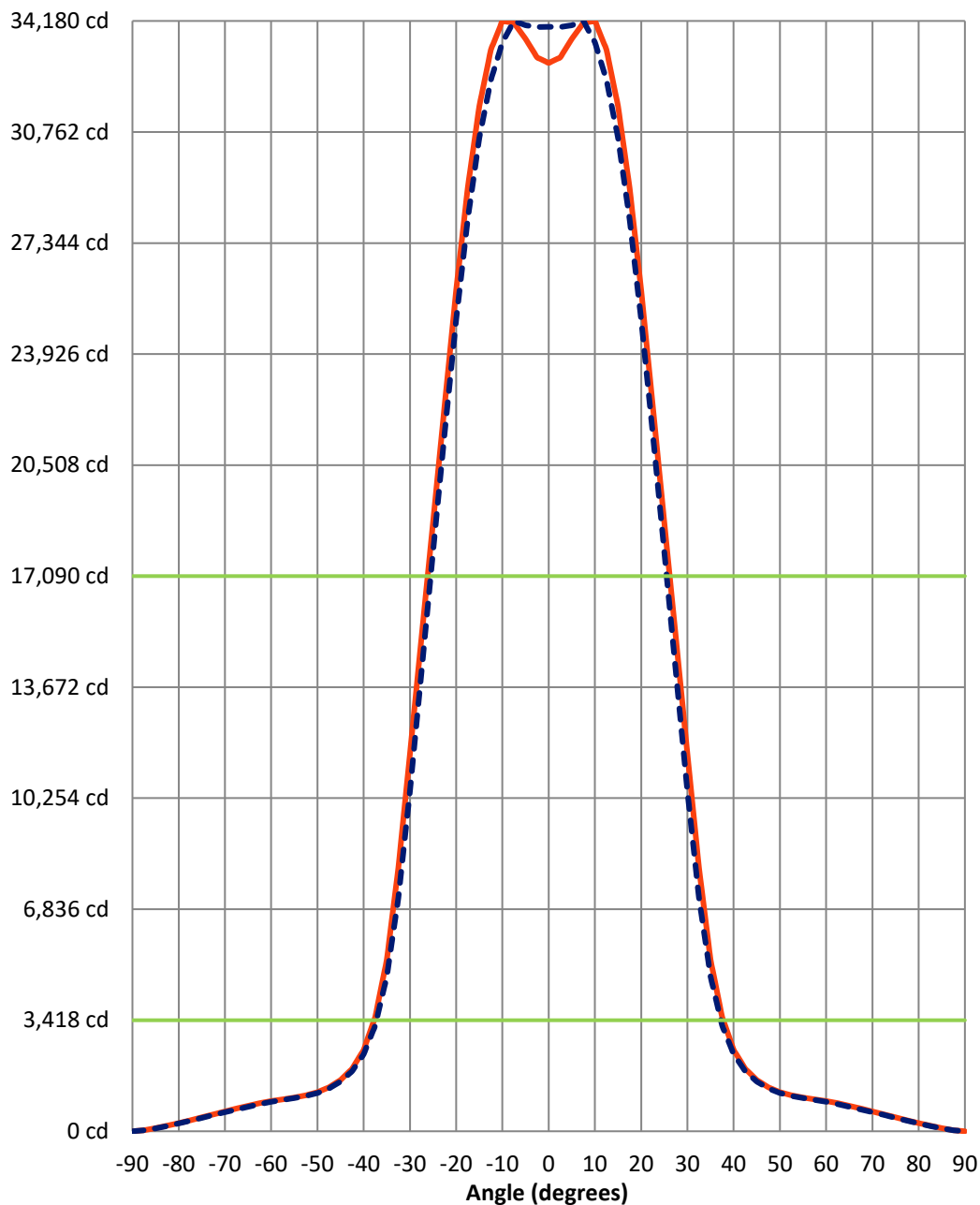
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 51°  
 V Angle: 52.3°  
 Lumens: 19308.3  
 Efficiency: 66.4%

**Field:**  
 H Angle: 74.5°  
 V Angle: 75.5°  
 Lumens: 25106.4  
 Efficiency: 86.3%

**Spill:**  
 Lumens: 3983.8  
 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	1.3	2.6	3.9	5.2	6.5	7.7	9.4	11.2	13.2	15.2
85°	0.0	2.6	5.2	7.8	10.4	12.9	15.5	18.8	22.5	26.3	30.3
82.5°	0.0	3.9	7.8	11.7	15.5	19.4	23.2	28.2	34.3	43.2	51.7
80°	0.0	5.2	10.4	15.5	20.7	25.8	31.9	44.0	55.5	66.4	76.7
77.5°	0.0	6.5	12.9	19.4	25.8	34.8	48.6	63.0	76.7	89.6	103.4
75°	0.0	7.7	15.5	23.2	31.9	48.6	65.2	81.8	98.1	117.0	135.5
72.5°	0.0	9.0	18.0	26.9	42.9	62.3	81.6	101.6	123.8	145.7	167.3
70°	0.0	10.2	20.4	31.4	53.7	75.8	98.1	123.8	149.2	174.2	200.4
67.5°	0.0	11.4	22.9	39.5	64.4	89.1	116.8	145.7	174.2	203.4	233.3
65°	0.0	12.6	25.2	47.3	74.9	103.2	135.1	167.3	199.3	232.1	266.9
62.5°	0.0	13.8	27.6	55.0	85.1	117.9	153.0	188.5	223.9	260.9	302.9
60°	0.0	14.9	29.9	62.6	95.2	132.2	170.4	209.2	247.8	292.2	338.0
57.5°	0.0	16.1	34.7	69.9	106.1	146.1	187.8	229.4	273.9	322.6	371.1
55°	0.0	17.1	39.4	77.1	116.8	159.6	204.8	249.1	299.8	351.9	402.9
52.5°	0.0	18.2	43.9	84.1	127.1	172.8	221.5	270.8	324.9	379.7	433.7
50°	0.0	19.2	48.2	90.8	137.1	186.4	237.7	291.9	348.9	406.5	463.6
47.5°	0.0	20.2	52.4	97.4	146.6	199.5	253.7	312.2	371.9	432.5	492.5
45°	0.0	21.1	56.4	104.2	155.7	212.3	270.2	331.6	394.1	457.4	520.3
42.5°	0.0	22.0	60.2	110.7	164.4	224.5	286.0	350.1	415.2	481.3	546.5
40°	0.0	22.9	63.7	116.7	173.2	236.3	301.0	367.5	435.4	504.1	571.7
37.5°	0.0	23.7	67.1	122.3	182.1	247.5	315.1	383.9	454.8	526.1	596.0
35°	0.0	24.5	70.2	127.6	190.5	258.4	328.3	399.3	473.4	546.7	618.6
32.5°	0.0	25.2	73.1	132.5	198.5	268.8	340.6	413.6	491.0	565.9	638.5
30°	0.0	25.9	75.8	137.0	206.0	278.4	352.0	427.0	507.6	583.5	657.1
27.5°	0.0	26.5	78.3	141.2	212.6	287.2	362.5	440.3	522.7	599.7	674.3
25°	0.0	27.1	80.5	145.0	218.7	295.3	371.9	452.5	535.8	613.9	690.0
22.5°	0.0	27.6	82.5	148.5	224.1	302.5	380.5	463.7	547.6	626.6	704.2
20°	0.0	28.1	84.3	151.5	229.0	308.6	388.0	473.8	558.1	637.9	716.9
17.5°	0.0	28.5	85.8	154.2	233.2	313.9	394.8	482.8	567.1	647.8	728.0
15°	0.0	28.9	87.1	156.5	236.8	318.4	400.9	490.9	574.8	656.2	737.5
12.5°	0.0	29.2	88.1	158.3	239.8	322.2	406.2	498.0	581.7	663.3	745.4
10°	0.0	29.4	88.9	159.8	242.2	325.2	410.6	503.9	587.6	669.8	752.1
7.5°	0.0	29.6	89.4	160.8	243.9	327.3	414.1	508.5	592.2	675.1	758.0
5°	0.0	29.8	89.8	161.5	245.0	328.7	416.6	511.8	595.5	678.9	762.3
2.5°	0.0	29.9	89.8	161.7	245.4	329.3	418.2	513.7	597.5	681.1	764.8
0°	0.0	29.9	89.7	161.5	245.2	329.0	418.7	514.4	598.2	681.9	765.7
-2.5°	0.0	29.9	89.8	161.7	245.4	329.3	418.2	513.7	597.5	681.1	764.8
-5°	0.0	29.8	89.8	161.5	245.0	328.7	416.6	511.8	595.5	678.9	762.3
-7.5°	0.0	29.6	89.4	160.8	243.9	327.3	414.1	508.5	592.2	675.1	758.0
-10°	0.0	29.4	88.9	159.8	242.2	325.2	410.6	503.9	587.6	669.8	752.1
-12.5°	0.0	29.2	88.1	158.3	239.8	322.2	406.2	498.0	581.7	663.3	745.4
-15°	0.0	28.9	87.1	156.5	236.8	318.4	400.9	490.9	574.8	656.2	737.5
-17.5°	0.0	28.5	85.8	154.2	233.2	313.9	394.8	482.8	567.1	647.8	728.0
-20°	0.0	28.1	84.3	151.5	229.0	308.6	388.0	473.8	558.1	637.9	716.9

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CATALOG NUMBER: GFLD-SA4D-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	27.6	82.5	148.5	224.1	302.5	380.5	463.7	547.6	626.6	704.2
-25°	0.0	27.1	80.5	145.0	218.7	295.3	371.9	452.5	535.8	613.9	690.0
-27.5°	0.0	26.5	78.3	141.2	212.6	287.2	362.5	440.3	522.7	599.7	674.3
-30°	0.0	25.9	75.8	137.0	206.0	278.4	352.0	427.0	507.6	583.5	657.1
-32.5°	0.0	25.2	73.1	132.5	198.5	268.8	340.6	413.6	491.0	565.9	638.5
-35°	0.0	24.5	70.2	127.6	190.5	258.4	328.3	399.3	473.4	546.7	618.6
-37.5°	0.0	23.7	67.1	122.3	182.1	247.5	315.1	383.9	454.8	526.1	596.0
-40°	0.0	22.9	63.7	116.7	173.2	236.3	301.0	367.5	435.4	504.1	571.7
-42.5°	0.0	22.0	60.2	110.7	164.4	224.5	286.0	350.1	415.2	481.3	546.5
-45°	0.0	21.1	56.4	104.2	155.7	212.3	270.2	331.6	394.1	457.4	520.3
-47.5°	0.0	20.2	52.4	97.4	146.6	199.5	253.7	312.2	371.9	432.5	492.5
-50°	0.0	19.2	48.2	90.8	137.1	186.4	237.7	291.9	348.9	406.5	463.6
-52.5°	0.0	18.2	43.9	84.1	127.1	172.8	221.5	270.8	324.9	379.7	433.7
-55°	0.0	17.1	39.4	77.1	116.8	159.6	204.8	249.1	299.8	351.9	402.9
-57.5°	0.0	16.1	34.7	69.9	106.1	146.1	187.8	229.4	273.9	322.6	371.1
-60°	0.0	14.9	29.9	62.6	95.2	132.2	170.4	209.2	247.8	292.2	338.0
-62.5°	0.0	13.8	27.6	55.0	85.1	117.9	153.0	188.5	223.9	260.9	302.9
-65°	0.0	12.6	25.2	47.3	74.9	103.2	135.1	167.3	199.3	232.1	266.9
-67.5°	0.0	11.4	22.9	39.5	64.4	89.1	116.8	145.7	174.2	203.4	233.3
-70°	0.0	10.2	20.4	31.4	53.7	75.8	98.1	123.8	149.2	174.2	200.4
-72.5°	0.0	9.0	18.0	26.9	42.9	62.3	81.6	101.6	123.8	145.7	167.3
-75°	0.0	7.7	15.5	23.2	31.9	48.6	65.2	81.8	98.1	117.0	135.5
-77.5°	0.0	6.5	12.9	19.4	25.8	34.8	48.6	63.0	76.7	89.6	103.4
-80°	0.0	5.2	10.4	15.5	20.7	25.8	31.9	44.0	55.5	66.4	76.7
-82.5°	0.0	3.9	7.8	11.7	15.5	19.4	23.2	28.2	34.3	43.2	51.7
-85°	0.0	2.6	5.2	7.8	10.4	12.9	15.5	18.8	22.5	26.3	30.3
-87.5°	0.0	1.3	2.6	3.9	5.2	6.5	7.7	9.4	11.2	13.2	15.2
-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°	16.6	17.9	19.3	20.6	21.9	23.1	24.2	25.4	26.5	27.5	28.5
85°	33.1	35.9	40.6	45.5	50.1	54.6	58.9	63.1	67.1	70.9	74.5
82.5°	59.3	67.0	75.0	83.0	90.1	96.8	103.4	110.2	117.0	123.8	130.5
80°	87.2	98.0	110.4	122.1	132.4	142.2	151.6	160.7	170.5	181.1	191.8
77.5°	119.4	134.8	149.3	162.9	175.9	190.1	203.9	217.1	230.9	244.5	257.5
75°	154.0	171.6	190.0	208.2	225.9	243.0	259.7	276.8	294.0	311.1	327.5
72.5°	189.6	211.9	233.7	254.9	276.9	298.3	319.0	338.9	359.4	380.4	400.4
70°	226.6	252.1	278.9	304.8	329.6	354.6	379.8	404.1	427.9	452.2	476.3
67.5°	264.0	295.9	326.2	354.9	384.1	413.5	442.0	471.1	499.2	527.5	554.5
65°	305.1	340.0	373.1	406.0	439.1	473.6	507.3	539.7	572.4	604.0	632.4
62.5°	345.4	382.5	419.1	456.6	496.0	534.8	571.5	608.8	646.8	679.9	708.6
60°	382.5	423.7	464.7	507.4	550.9	592.6	633.8	674.4	715.2	753.2	776.7
57.5°	418.3	463.8	509.3	555.3	601.2	647.7	691.0	735.5	773.5	805.6	832.8
55°	453.2	502.7	551.1	599.3	648.9	697.5	744.7	786.9	824.0	850.7	877.0
52.5°	487.2	539.3	589.2	641.5	694.1	745.8	795.0	834.2	864.6	891.9	916.4
50°	520.1	573.1	625.9	682.4	738.1	792.7	839.0	873.3	904.2	930.8	956.5
47.5°	550.9	606.2	662.6	722.1	780.7	833.4	875.9	911.9	943.4	972.2	1002.6
45°	580.6	639.2	698.8	760.3	820.1	871.1	912.1	950.8	980.3	1012.7	1047.6
42.5°	609.4	671.0	733.5	797.0	857.4	905.0	945.9	981.4	1016.2	1054.6	1096.7
40°	636.8	701.0	766.2	832.2	892.5	934.7	974.8	1012.4	1054.6	1100.3	1149.1
37.5°	662.5	729.2	796.8	865.4	918.3	961.8	1002.8	1044.8	1093.8	1146.8	1213.1
35°	686.5	755.4	825.3	891.2	941.4	987.6	1030.1	1076.9	1134.2	1203.3	1288.2
32.5°	708.7	779.6	851.6	912.0	962.8	1010.7	1054.4	1112.7	1181.6	1263.9	1384.1
30°	729.3	801.8	874.1	932.5	982.0	1030.2	1083.3	1149.0	1229.5	1349.7	1503.5
27.5°	748.3	822.0	891.7	949.5	999.2	1048.9	1111.0	1190.7	1296.7	1440.1	1631.2
25°	765.8	841.3	908.6	963.8	1015.2	1070.2	1137.7	1227.3	1366.7	1551.9	1810.2
22.5°	781.6	858.7	924.7	976.2	1030.1	1089.7	1168.5	1280.6	1441.3	1657.4	1990.7
20°	795.7	871.8	936.9	987.9	1043.9	1105.9	1196.0	1331.1	1524.9	1804.9	2230.2
17.5°	808.1	883.4	945.9	999.1	1057.3	1124.2	1222.7	1374.9	1599.1	1933.5	2472.4
15°	818.7	893.2	953.6	1008.7	1069.0	1145.1	1259.8	1432.1	1685.4	2067.2	2683.4
12.5°	827.5	901.3	959.9	1016.5	1078.7	1162.7	1291.6	1486.0	1775.0	2231.6	2994.4
10°	834.5	907.7	964.7	1022.6	1086.2	1176.7	1317.4	1530.1	1849.3	2373.9	3259.7
7.5°	840.9	912.3	968.0	1026.9	1091.6	1187.1	1337.1	1564.1	1906.1	2485.6	3469.6
5°	845.6	915.2	969.8	1029.4	1096.1	1194.0	1350.4	1587.7	1945.4	2565.5	3617.3
2.5°	848.4	916.1	970.2	1030.1	1099.4	1197.0	1357.3	1600.7	1976.3	2603.3	3696.7
0°	849.4	915.2	969.0	1028.9	1100.6	1196.3	1357.8	1603.1	1991.9	2602.0	3708.7
-2.5°	848.4	916.1	970.2	1030.1	1099.4	1197.0	1357.3	1600.7	1976.3	2603.3	3696.7
-5°	845.6	915.2	969.8	1029.4	1096.1	1194.0	1350.4	1587.7	1945.4	2565.5	3617.3
-7.5°	840.9	912.3	968.0	1026.9	1091.6	1187.1	1337.1	1564.1	1906.1	2485.6	3469.6
-10°	834.5	907.7	964.7	1022.6	1086.2	1176.7	1317.4	1530.1	1849.3	2373.9	3259.7
-12.5°	827.5	901.3	959.9	1016.5	1078.7	1162.7	1291.6	1486.0	1775.0	2231.6	2994.4
-15°	818.7	893.2	953.6	1008.7	1069.0	1145.1	1259.8	1432.1	1685.4	2067.2	2683.4
-17.5°	808.1	883.4	945.9	999.1	1057.3	1124.2	1222.7	1374.9	1599.1	1933.5	2472.4
-20°	795.7	871.8	936.9	987.9	1043.9	1105.9	1196.0	1331.1	1524.9	1804.9	2230.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627447 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	781.6	858.7	924.7	976.2	1030.1	1089.7	1168.5	1280.6	1441.3	1657.4	1990.7
-25°	765.8	841.3	908.6	963.8	1015.2	1070.2	1137.7	1227.3	1366.7	1551.9	1810.2
-27.5°	748.3	822.0	891.7	949.5	999.2	1048.9	1111.0	1190.7	1296.7	1440.1	1631.2
-30°	729.3	801.8	874.1	932.5	982.0	1030.2	1083.3	1149.0	1229.5	1349.7	1503.5
-32.5°	708.7	779.6	851.6	912.0	962.8	1010.7	1054.4	1112.7	1181.6	1263.9	1384.1
-35°	686.5	755.4	825.3	891.2	941.4	987.6	1030.1	1076.9	1134.2	1203.3	1288.2
-37.5°	662.5	729.2	796.8	865.4	918.3	961.8	1002.8	1044.8	1093.8	1146.8	1213.1
-40°	636.8	701.0	766.2	832.2	892.5	934.7	974.8	1012.4	1054.6	1100.3	1149.1
-42.5°	609.4	671.0	733.5	797.0	857.4	905.0	945.9	981.4	1016.2	1054.6	1096.7
-45°	580.6	639.2	698.8	760.3	820.1	871.1	912.1	950.8	980.3	1012.7	1047.6
-47.5°	550.9	606.2	662.6	722.1	780.7	833.4	875.9	911.9	943.4	972.2	1002.6
-50°	520.1	573.1	625.9	682.4	738.1	792.7	839.0	873.3	904.2	930.8	956.5
-52.5°	487.2	539.3	589.2	641.5	694.1	745.8	795.0	834.2	864.6	891.9	916.4
-55°	453.2	502.7	551.1	599.3	648.9	697.5	744.7	786.9	824.0	850.7	877.0
-57.5°	418.3	463.8	509.3	555.3	601.2	647.7	691.0	735.5	773.5	805.6	832.8
-60°	382.5	423.7	464.7	507.4	550.9	592.6	633.8	674.4	715.2	753.2	776.7
-62.5°	345.4	382.5	419.1	456.6	496.0	534.8	571.5	608.8	646.8	679.9	708.6
-65°	305.1	340.0	373.1	406.0	439.1	473.6	507.3	539.7	572.4	604.0	632.4
-67.5°	264.0	295.9	326.2	354.9	384.1	413.5	442.0	471.1	499.2	527.5	554.5
-70°	226.6	252.1	278.9	304.8	329.6	354.6	379.8	404.1	427.9	452.2	476.3
-72.5°	189.6	211.9	233.7	254.9	276.9	298.3	319.0	338.9	359.4	380.4	400.4
-75°	154.0	171.6	190.0	208.2	225.9	243.0	259.7	276.8	294.0	311.1	327.5
-77.5°	119.4	134.8	149.3	162.9	175.9	190.1	203.9	217.1	230.9	244.5	257.5
-80°	87.2	98.0	110.4	122.1	132.4	142.2	151.6	160.7	170.5	181.1	191.8
-82.5°	59.3	67.0	75.0	83.0	90.1	96.8	103.4	110.2	117.0	123.8	130.5
-85°	33.1	35.9	40.6	45.5	50.1	54.6	58.9	63.1	67.1	70.9	74.5
-87.5°	16.6	17.9	19.3	20.6	21.9	23.1	24.2	25.4	26.5	27.5	28.5
-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: P627447 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	29.4	29.0	28.5	27.9	27.1	29.0	30.9	32.8	34.7	33.6	32.4
85°	77.9	79.6	81.1	82.4	83.4	87.1	90.7	94.1	97.2	97.1	96.7
82.5°	137.0	141.4	145.2	148.6	151.6	156.0	159.9	163.3	166.1	168.3	170.1
80°	201.9	209.1	215.2	220.8	225.8	231.5	236.8	241.6	245.7	247.9	249.3
77.5°	270.4	280.9	290.2	299.2	307.6	316.0	323.6	330.4	336.3	337.7	337.4
75°	343.0	357.0	370.2	382.5	393.7	403.4	411.6	418.5	424.1	426.9	428.4
72.5°	419.5	436.8	452.3	466.3	478.3	488.3	496.9	504.4	510.7	514.7	517.1
70°	499.3	519.7	535.6	548.8	559.1	569.0	580.2	590.8	600.7	606.3	608.4
67.5°	579.2	600.4	615.1	627.0	636.4	646.2	660.2	672.9	684.1	691.7	696.5
65°	657.5	679.8	694.5	706.0	714.6	724.4	740.1	752.6	762.2	769.8	776.6
62.5°	734.9	757.4	773.7	787.3	799.9	810.6	823.5	834.1	842.2	849.7	858.2
60°	801.9	828.7	845.7	859.6	875.1	892.0	901.4	909.3	916.1	922.1	927.4
57.5°	856.7	880.5	902.5	919.1	935.3	950.9	962.1	969.5	975.5	979.9	981.7
55°	902.5	927.1	951.6	969.6	985.5	1000.1	1012.4	1022.0	1030.0	1036.3	1037.8
52.5°	943.6	971.1	995.2	1016.0	1037.0	1054.3	1067.7	1080.9	1092.3	1101.5	1105.5
50°	988.2	1017.1	1047.1	1075.0	1097.4	1117.0	1133.4	1151.9	1171.5	1187.6	1197.8
47.5°	1035.2	1068.5	1104.8	1139.0	1165.5	1194.7	1221.9	1249.4	1285.7	1316.2	1338.8
45°	1084.3	1127.1	1168.4	1212.0	1248.7	1303.6	1354.6	1398.5	1456.7	1509.5	1551.4
42.5°	1142.3	1195.6	1246.4	1316.1	1389.1	1464.2	1545.3	1614.5	1705.5	1798.1	1872.9
40°	1211.1	1279.0	1368.6	1462.2	1577.5	1680.8	1820.7	1945.5	2085.1	2261.7	2407.6
37.5°	1293.8	1398.6	1523.1	1653.7	1833.4	2005.1	2236.5	2480.4	2701.7	3041.4	3327.1
35°	1401.3	1547.8	1711.8	1942.8	2197.2	2518.9	2879.9	3351.0	3754.9	4327.9	4875.4
32.5°	1539.8	1728.2	1995.9	2352.5	2728.5	3312.7	3885.6	4703.5	5460.7	6368.9	7349.0
30°	1693.8	1980.6	2389.6	2878.8	3580.2	4439.7	5449.5	6705.6	8080.3	9356.8	10614.6
27.5°	1917.2	2328.0	2865.4	3654.7	4747.8	5950.3	7719.6	9424.7	11203.8	12785.2	14104.1
25°	2177.9	2720.9	3551.8	4714.0	6192.4	8251.5	10369.4	12473.9	14387.2	16042.8	17500.0
22.5°	2514.6	3295.5	4403.2	5908.7	8210.8	10678.8	13162.3	15483.6	17524.4	19368.0	20945.5
20°	2880.9	3858.0	5440.0	7684.8	10317.5	13129.2	15933.4	18406.0	20653.1	22743.5	24521.4
17.5°	3345.1	4713.5	6716.8	9409.7	12453.5	15534.2	18480.1	21163.4	23712.8	25924.7	27782.4
15°	3740.7	5466.9	8081.5	11239.8	14532.1	17781.7	20891.8	23806.5	26457.1	28726.6	30472.9
12.5°	4268.4	6311.3	9293.1	12813.0	16380.7	19800.0	23075.9	26088.5	28785.9	31030.4	32389.9
10°	4767.1	7185.5	10464.2	14134.9	17841.5	21484.6	24982.4	28072.0	30576.5	32362.0	33520.5
7.5°	5191.2	7936.8	11416.8	15203.4	19002.1	22811.0	26351.7	29357.8	31667.0	33158.1	33964.7
5°	5507.9	8498.4	12123.9	16071.7	19969.7	23845.5	27358.5	30180.5	32176.4	33284.1	33689.0
2.5°	5709.7	8828.2	12534.2	16641.3	20617.2	24500.0	28049.1	30826.9	32520.2	33254.4	33324.2
0°	5790.3	8870.9	12597.5	16940.2	20780.4	24686.5	28245.6	31092.9	32648.1	33252.3	33240.3
-2.5°	5709.7	8828.2	12534.2	16641.3	20617.2	24500.0	28049.1	30826.9	32520.2	33254.4	33324.2
-5°	5507.9	8498.4	12123.9	16071.7	19969.7	23845.5	27358.5	30180.5	32176.4	33284.1	33689.0
-7.5°	5191.2	7936.8	11416.8	15203.4	19002.1	22811.0	26351.7	29357.8	31667.0	33158.1	33964.7
-10°	4767.1	7185.5	10464.2	14134.9	17841.5	21484.6	24982.4	28072.0	30576.5	32362.0	33520.5
-12.5°	4268.4	6311.3	9293.1	12813.0	16380.7	19800.0	23075.9	26088.5	28785.9	31030.4	32389.9
-15°	3740.7	5466.9	8081.5	11239.8	14532.1	17781.7	20891.8	23806.5	26457.1	28726.6	30472.9
-17.5°	3345.1	4713.5	6716.8	9409.7	12453.5	15534.2	18480.1	21163.4	23712.8	25924.7	27782.4
-20°	2880.9	3858.0	5440.0	7684.8	10317.5	13129.2	15933.4	18406.0	20653.1	22743.5	24521.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627447 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	2514.6	3295.5	4403.2	5908.7	8210.8	10678.8	13162.3	15483.6	17524.4	19368.0	20945.5
-25°	2177.9	2720.9	3551.8	4714.0	6192.4	8251.5	10369.4	12473.9	14387.2	16042.8	17500.0
-27.5°	1917.2	2328.0	2865.4	3654.7	4747.8	5950.3	7719.6	9424.7	11203.8	12785.2	14104.1
-30°	1693.8	1980.6	2389.6	2878.8	3580.2	4439.7	5449.5	6705.6	8080.3	9356.8	10614.6
-32.5°	1539.8	1728.2	1995.9	2352.5	2728.5	3312.7	3885.6	4703.5	5460.7	6368.9	7349.0
-35°	1401.3	1547.8	1711.8	1942.8	2197.2	2518.9	2879.9	3351.0	3754.9	4327.9	4875.4
-37.5°	1293.8	1398.6	1523.1	1653.7	1833.4	2005.1	2236.5	2480.4	2701.7	3041.4	3327.1
-40°	1211.1	1279.0	1368.6	1462.2	1577.5	1680.8	1820.7	1945.5	2085.1	2261.7	2407.6
-42.5°	1142.3	1195.6	1246.4	1316.1	1389.1	1464.2	1545.3	1614.5	1705.5	1798.1	1872.9
-45°	1084.3	1127.1	1168.4	1212.0	1248.7	1303.6	1354.6	1398.5	1456.7	1509.5	1551.4
-47.5°	1035.2	1068.5	1104.8	1139.0	1165.5	1194.7	1221.9	1249.4	1285.7	1316.2	1338.8
-50°	988.2	1017.1	1047.1	1075.0	1097.4	1117.0	1133.4	1151.9	1171.5	1187.6	1197.8
-52.5°	943.6	971.1	995.2	1016.0	1037.0	1054.3	1067.7	1080.9	1092.3	1101.5	1105.5
-55°	902.5	927.1	951.6	969.6	985.5	1000.1	1012.4	1022.0	1030.0	1036.3	1037.8
-57.5°	856.7	880.5	902.5	919.1	935.3	950.9	962.1	969.5	975.5	979.9	981.7
-60°	801.9	828.7	845.7	859.6	875.1	892.0	901.4	909.3	916.1	922.1	927.4
-62.5°	734.9	757.4	773.7	787.3	799.9	810.6	823.5	834.1	842.2	849.7	858.2
-65°	657.5	679.8	694.5	706.0	714.6	724.4	740.1	752.6	762.2	769.8	776.6
-67.5°	579.2	600.4	615.1	627.0	636.4	646.2	660.2	672.9	684.1	691.7	696.5
-70°	499.3	519.7	535.6	548.8	559.1	569.0	580.2	590.8	600.7	606.3	608.4
-72.5°	419.5	436.8	452.3	466.3	478.3	488.3	496.9	504.4	510.7	514.7	517.1
-75°	343.0	357.0	370.2	382.5	393.7	403.4	411.6	418.5	424.1	426.9	428.4
-77.5°	270.4	280.9	290.2	299.2	307.6	316.0	323.6	330.4	336.3	337.7	337.4
-80°	201.9	209.1	215.2	220.8	225.8	231.5	236.8	241.6	245.7	247.9	249.3
-82.5°	137.0	141.4	145.2	148.6	151.6	156.0	159.9	163.3	166.1	168.3	170.1
-85°	77.9	79.6	81.1	82.4	83.4	87.1	90.7	94.1	97.2	97.1	96.7
-87.5°	29.4	29.0	28.5	27.9	27.1	29.0	30.9	32.8	34.7	33.6	32.4
-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: P627447 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	31.1	29.8	29.9	29.9	29.9	29.8	31.1	32.4	33.6	34.7	32.8
85°	96.1	95.2	92.6	89.7	92.6	95.2	96.1	96.7	97.1	97.2	94.1
82.5°	171.5	172.6	170.3	167.5	170.3	172.6	171.5	170.1	168.3	166.1	163.3
80°	250.0	250.1	247.9	245.2	247.9	250.1	250.0	249.3	247.9	245.7	241.6
77.5°	336.0	333.6	334.6	335.0	334.6	333.6	336.0	337.4	337.7	336.3	330.4
75°	429.0	428.7	427.3	424.7	427.3	428.7	429.0	428.4	426.9	424.1	418.5
72.5°	518.3	518.2	516.9	514.4	516.9	518.2	518.3	517.1	514.7	510.7	504.4
70°	608.9	607.8	609.4	610.1	609.4	607.8	608.9	608.4	606.3	600.7	590.8
67.5°	700.2	702.6	702.3	699.9	702.3	702.6	700.2	696.5	691.7	684.1	672.9
65°	782.1	786.2	788.7	789.6	788.7	786.2	782.1	776.6	769.8	762.2	752.6
62.5°	864.8	869.5	869.8	867.3	869.8	869.5	864.8	858.2	849.7	842.2	834.1
60°	930.2	931.0	929.9	927.2	929.9	931.0	930.2	927.4	922.1	916.1	909.3
57.5°	981.7	980.0	977.9	975.0	977.9	980.0	981.7	981.7	979.9	975.5	969.5
55°	1037.0	1034.1	1031.7	1028.9	1031.7	1034.1	1037.0	1037.8	1036.3	1030.0	1022.0
52.5°	1106.4	1104.9	1103.2	1100.6	1103.2	1104.9	1106.4	1105.5	1101.5	1092.3	1080.9
50°	1203.0	1204.5	1204.4	1202.3	1204.4	1204.5	1203.0	1197.8	1187.6	1171.5	1151.9
47.5°	1353.1	1361.1	1366.5	1369.8	1366.5	1361.1	1353.1	1338.8	1316.2	1285.7	1249.4
45°	1578.3	1594.3	1605.6	1615.1	1605.6	1594.3	1578.3	1551.4	1509.5	1456.7	1398.5
42.5°	1925.6	1961.4	1978.3	1974.0	1978.3	1961.4	1925.6	1872.9	1798.1	1705.5	1614.5
40°	2504.8	2562.5	2594.5	2620.0	2594.5	2562.5	2504.8	2407.6	2261.7	2085.1	1945.5
37.5°	3522.2	3634.2	3693.2	3744.5	3693.2	3634.2	3522.2	3327.1	3041.4	2701.7	2480.4
35°	5284.5	5536.6	5671.5	5718.5	5671.5	5536.6	5284.5	4875.4	4327.9	3754.9	3351.0
32.5°	8111.7	8576.6	8833.8	9032.4	8833.8	8576.6	8111.7	7349.0	6368.9	5460.7	4703.5
30°	11610.5	12222.9	12563.0	12729.1	12563.0	12222.9	11610.5	10614.6	9356.8	8080.3	6705.6
27.5°	15197.3	15893.5	16260.1	16240.3	16260.1	15893.5	15197.3	14104.1	12785.2	11203.8	9424.7
25°	18749.3	19555.7	19921.0	20248.1	19921.0	19555.7	18749.3	17500.0	16042.8	14387.2	12473.9
22.5°	22341.8	23284.7	23799.2	24040.4	23799.2	23284.7	22341.8	20945.5	19368.0	17524.4	15483.6
20°	25891.6	26941.1	27487.3	27725.2	27487.3	26941.1	25891.6	24521.4	22743.5	20653.1	18406.0
17.5°	29039.8	30064.5	30585.1	30805.8	30585.1	30064.5	29039.8	27782.4	25924.7	23712.8	21163.4
15°	31553.6	32309.4	32752.2	32869.4	32752.2	32309.4	31553.6	30472.9	28726.6	26457.1	23806.5
12.5°	33291.3	33584.1	33797.0	33862.4	33797.0	33584.1	33291.3	32389.9	31030.4	28785.9	26088.5
10°	34179.7	34047.6	33993.1	34000.0	33993.1	34047.6	34179.7	33520.5	32362.0	30576.5	28072.0
7.5°	34118.6	33923.0	33530.1	33467.6	33530.1	33923.0	34118.6	33964.7	33158.1	31667.0	29357.8
5°	33628.4	33272.3	32620.2	32432.8	32620.2	33272.3	33628.4	33689.0	33284.1	32176.4	30180.5
2.5°	33057.1	32415.1	31814.4	31427.8	31814.4	32415.1	33057.1	33324.2	33254.4	32520.2	30826.9
0°	32887.4	32145.7	31368.0	31116.8	31368.0	32145.7	32887.4	33240.3	33252.3	32648.1	31092.9
-2.5°	33057.1	32415.1	31814.4	31427.8	31814.4	32415.1	33057.1	33324.2	33254.4	32520.2	30826.9
-5°	33628.4	33272.3	32620.2	32432.8	32620.2	33272.3	33628.4	33689.0	33284.1	32176.4	30180.5
-7.5°	34118.6	33923.0	33530.1	33467.6	33530.1	33923.0	34118.6	33964.7	33158.1	31667.0	29357.8
-10°	34179.7	34047.6	33993.1	34000.0	33993.1	34047.6	34179.7	33520.5	32362.0	30576.5	28072.0
-12.5°	33291.3	33584.1	33797.0	33862.4	33797.0	33584.1	33291.3	32389.9	31030.4	28785.9	26088.5
-15°	31553.6	32309.4	32752.2	32869.4	32752.2	32309.4	31553.6	30472.9	28726.6	26457.1	23806.5
-17.5°	29039.8	30064.5	30585.1	30805.8	30585.1	30064.5	29039.8	27782.4	25924.7	23712.8	21163.4
-20°	25891.6	26941.1	27487.3	27725.2	27487.3	26941.1	25891.6	24521.4	22743.5	20653.1	18406.0



REPORT NUMBER: P627447 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	22341.8	23284.7	23799.2	24040.4	23799.2	23284.7	22341.8	20945.5	19368.0	17524.4	15483.6
-25°	18749.3	19555.7	19921.0	20248.1	19921.0	19555.7	18749.3	17500.0	16042.8	14387.2	12473.9
-27.5°	15197.3	15893.5	16260.1	16240.3	16260.1	15893.5	15197.3	14104.1	12785.2	11203.8	9424.7
-30°	11610.5	12222.9	12563.0	12729.1	12563.0	12222.9	11610.5	10614.6	9356.8	8080.3	6705.6
-32.5°	8111.7	8576.6	8833.8	9032.4	8833.8	8576.6	8111.7	7349.0	6368.9	5460.7	4703.5
-35°	5284.5	5536.6	5671.5	5718.5	5671.5	5536.6	5284.5	4875.4	4327.9	3754.9	3351.0
-37.5°	3522.2	3634.2	3693.2	3744.5	3693.2	3634.2	3522.2	3327.1	3041.4	2701.7	2480.4
-40°	2504.8	2562.5	2594.5	2620.0	2594.5	2562.5	2504.8	2407.6	2261.7	2085.1	1945.5
-42.5°	1925.6	1961.4	1978.3	1974.0	1978.3	1961.4	1925.6	1872.9	1798.1	1705.5	1614.5
-45°	1578.3	1594.3	1605.6	1615.1	1605.6	1594.3	1578.3	1551.4	1509.5	1456.7	1398.5
-47.5°	1353.1	1361.1	1366.5	1369.8	1366.5	1361.1	1353.1	1338.8	1316.2	1285.7	1249.4
-50°	1203.0	1204.5	1204.4	1202.3	1204.4	1204.5	1203.0	1197.8	1187.6	1171.5	1151.9
-52.5°	1106.4	1104.9	1103.2	1100.6	1103.2	1104.9	1106.4	1105.5	1101.5	1092.3	1080.9
-55°	1037.0	1034.1	1031.7	1028.9	1031.7	1034.1	1037.0	1037.8	1036.3	1030.0	1022.0
-57.5°	981.7	980.0	977.9	975.0	977.9	980.0	981.7	981.7	979.9	975.5	969.5
-60°	930.2	931.0	929.9	927.2	929.9	931.0	930.2	927.4	922.1	916.1	909.3
-62.5°	864.8	869.5	869.8	867.3	869.8	869.5	864.8	858.2	849.7	842.2	834.1
-65°	782.1	786.2	788.7	789.6	788.7	786.2	782.1	776.6	769.8	762.2	752.6
-67.5°	700.2	702.6	702.3	699.9	702.3	702.6	700.2	696.5	691.7	684.1	672.9
-70°	608.9	607.8	609.4	610.1	609.4	607.8	608.9	608.4	606.3	600.7	590.8
-72.5°	518.3	518.2	516.9	514.4	516.9	518.2	518.3	517.1	514.7	510.7	504.4
-75°	429.0	428.7	427.3	424.7	427.3	428.7	429.0	428.4	426.9	424.1	418.5
-77.5°	336.0	333.6	334.6	335.0	334.6	333.6	336.0	337.4	337.7	336.3	330.4
-80°	250.0	250.1	247.9	245.2	247.9	250.1	250.0	249.3	247.9	245.7	241.6
-82.5°	171.5	172.6	170.3	167.5	170.3	172.6	171.5	170.1	168.3	166.1	163.3
-85°	96.1	95.2	92.6	89.7	92.6	95.2	96.1	96.7	97.1	97.2	94.1
-87.5°	31.1	29.8	29.9	29.9	29.9	29.8	31.1	32.4	33.6	34.7	32.8
-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: P627447 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	30.9	29.0	27.1	27.9	28.5	29.0	29.4	28.5	27.5	26.5	25.4
85°	90.7	87.1	83.4	82.4	81.1	79.6	77.9	74.5	70.9	67.1	63.1
82.5°	159.9	156.0	151.6	148.6	145.2	141.4	137.0	130.5	123.8	117.0	110.2
80°	236.8	231.5	225.8	220.8	215.2	209.1	201.9	191.8	181.1	170.5	160.7
77.5°	323.6	316.0	307.6	299.2	290.2	280.9	270.4	257.5	244.5	230.9	217.1
75°	411.6	403.4	393.7	382.5	370.2	357.0	343.0	327.5	311.1	294.0	276.8
72.5°	496.9	488.3	478.3	466.3	452.3	436.8	419.5	400.4	380.4	359.4	338.9
70°	580.2	569.0	559.1	548.8	535.6	519.7	499.3	476.3	452.2	427.9	404.1
67.5°	660.2	646.2	636.4	627.0	615.1	600.4	579.2	554.5	527.5	499.2	471.1
65°	740.1	724.4	714.6	706.0	694.5	679.8	657.5	632.4	604.0	572.4	539.7
62.5°	823.5	810.6	799.9	787.3	773.7	757.4	734.9	708.6	679.9	646.8	608.8
60°	901.4	892.0	875.1	859.6	845.7	828.7	801.9	776.7	753.2	715.2	674.4
57.5°	962.1	950.9	935.3	919.1	902.5	880.5	856.7	832.8	805.6	773.5	735.5
55°	1012.4	1000.1	985.5	969.6	951.6	927.1	902.5	877.0	850.7	824.0	786.9
52.5°	1067.7	1054.3	1037.0	1016.0	995.2	971.1	943.6	916.4	891.9	864.6	834.2
50°	1133.4	1117.0	1097.4	1075.0	1047.1	1017.1	988.2	956.5	930.8	904.2	873.3
47.5°	1221.9	1194.7	1165.5	1139.0	1104.8	1068.5	1035.2	1002.6	972.2	943.4	911.9
45°	1354.6	1303.6	1248.7	1212.0	1168.4	1127.1	1084.3	1047.6	1012.7	980.3	950.8
42.5°	1545.3	1464.2	1389.1	1316.1	1246.4	1195.6	1142.3	1096.7	1054.6	1016.2	981.4
40°	1820.7	1680.8	1577.5	1462.2	1368.6	1279.0	1211.1	1149.1	1100.3	1054.6	1012.4
37.5°	2236.5	2005.1	1833.4	1653.7	1523.1	1398.6	1293.8	1213.1	1146.8	1093.8	1044.8
35°	2879.9	2518.9	2197.2	1942.8	1711.8	1547.8	1401.3	1288.2	1203.3	1134.2	1076.9
32.5°	3885.6	3312.7	2728.5	2352.5	1995.9	1728.2	1539.8	1384.1	1263.9	1181.6	1112.7
30°	5449.5	4439.7	3580.2	2878.8	2389.6	1980.6	1693.8	1503.5	1349.7	1229.5	1149.0
27.5°	7719.6	5950.3	4747.8	3654.7	2865.4	2328.0	1917.2	1631.2	1440.1	1296.7	1190.7
25°	10369.4	8251.5	6192.4	4714.0	3551.8	2720.9	2177.9	1810.2	1551.9	1366.7	1227.3
22.5°	13162.3	10678.8	8210.8	5908.7	4403.2	3295.5	2514.6	1990.7	1657.4	1441.3	1280.6
20°	15933.4	13129.2	10317.5	7684.8	5440.0	3858.0	2880.9	2230.2	1804.9	1524.9	1331.1
17.5°	18480.1	15534.2	12453.5	9409.7	6716.8	4713.5	3345.1	2472.4	1933.5	1599.1	1374.9
15°	20891.8	17781.7	14532.1	11239.8	8081.5	5466.9	3740.7	2683.4	2067.2	1685.4	1432.1
12.5°	23075.9	19800.0	16380.7	12813.0	9293.1	6311.3	4268.4	2994.4	2231.6	1775.0	1486.0
10°	24982.4	21484.6	17841.5	14134.9	10464.2	7185.5	4767.1	3259.7	2373.9	1849.3	1530.1
7.5°	26351.7	22811.0	19002.1	15203.4	11416.8	7936.8	5191.2	3469.6	2485.6	1906.1	1564.1
5°	27358.5	23845.5	19969.7	16071.7	12123.9	8498.4	5507.9	3617.3	2565.5	1945.4	1587.7
2.5°	28049.1	24500.0	20617.2	16641.3	12534.2	8828.2	5709.7	3696.7	2603.3	1976.3	1600.7
0°	28245.6	24686.5	20780.4	16940.2	12597.5	8870.9	5790.3	3708.7	2602.0	1991.9	1603.1
-2.5°	28049.1	24500.0	20617.2	16641.3	12534.2	8828.2	5709.7	3696.7	2603.3	1976.3	1600.7
-5°	27358.5	23845.5	19969.7	16071.7	12123.9	8498.4	5507.9	3617.3	2565.5	1945.4	1587.7
-7.5°	26351.7	22811.0	19002.1	15203.4	11416.8	7936.8	5191.2	3469.6	2485.6	1906.1	1564.1
-10°	24982.4	21484.6	17841.5	14134.9	10464.2	7185.5	4767.1	3259.7	2373.9	1849.3	1530.1
-12.5°	23075.9	19800.0	16380.7	12813.0	9293.1	6311.3	4268.4	2994.4	2231.6	1775.0	1486.0
-15°	20891.8	17781.7	14532.1	11239.8	8081.5	5466.9	3740.7	2683.4	2067.2	1685.4	1432.1
-17.5°	18480.1	15534.2	12453.5	9409.7	6716.8	4713.5	3345.1	2472.4	1933.5	1599.1	1374.9
-20°	15933.4	13129.2	10317.5	7684.8	5440.0	3858.0	2880.9	2230.2	1804.9	1524.9	1331.1



REPORT NUMBER: P627447 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	13162.3	10678.8	8210.8	5908.7	4403.2	3295.5	2514.6	1990.7	1657.4	1441.3	1280.6
-25°	10369.4	8251.5	6192.4	4714.0	3551.8	2720.9	2177.9	1810.2	1551.9	1366.7	1227.3
-27.5°	7719.6	5950.3	4747.8	3654.7	2865.4	2328.0	1917.2	1631.2	1440.1	1296.7	1190.7
-30°	5449.5	4439.7	3580.2	2878.8	2389.6	1980.6	1693.8	1503.5	1349.7	1229.5	1149.0
-32.5°	3885.6	3312.7	2728.5	2352.5	1995.9	1728.2	1539.8	1384.1	1263.9	1181.6	1112.7
-35°	2879.9	2518.9	2197.2	1942.8	1711.8	1547.8	1401.3	1288.2	1203.3	1134.2	1076.9
-37.5°	2236.5	2005.1	1833.4	1653.7	1523.1	1398.6	1293.8	1213.1	1146.8	1093.8	1044.8
-40°	1820.7	1680.8	1577.5	1462.2	1368.6	1279.0	1211.1	1149.1	1100.3	1054.6	1012.4
-42.5°	1545.3	1464.2	1389.1	1316.1	1246.4	1195.6	1142.3	1096.7	1054.6	1016.2	981.4
-45°	1354.6	1303.6	1248.7	1212.0	1168.4	1127.1	1084.3	1047.6	1012.7	980.3	950.8
-47.5°	1221.9	1194.7	1165.5	1139.0	1104.8	1068.5	1035.2	1002.6	972.2	943.4	911.9
-50°	1133.4	1117.0	1097.4	1075.0	1047.1	1017.1	988.2	956.5	930.8	904.2	873.3
-52.5°	1067.7	1054.3	1037.0	1016.0	995.2	971.1	943.6	916.4	891.9	864.6	834.2
-55°	1012.4	1000.1	985.5	969.6	951.6	927.1	902.5	877.0	850.7	824.0	786.9
-57.5°	962.1	950.9	935.3	919.1	902.5	880.5	856.7	832.8	805.6	773.5	735.5
-60°	901.4	892.0	875.1	859.6	845.7	828.7	801.9	776.7	753.2	715.2	674.4
-62.5°	823.5	810.6	799.9	787.3	773.7	757.4	734.9	708.6	679.9	646.8	608.8
-65°	740.1	724.4	714.6	706.0	694.5	679.8	657.5	632.4	604.0	572.4	539.7
-67.5°	660.2	646.2	636.4	627.0	615.1	600.4	579.2	554.5	527.5	499.2	471.1
-70°	580.2	569.0	559.1	548.8	535.6	519.7	499.3	476.3	452.2	427.9	404.1
-72.5°	496.9	488.3	478.3	466.3	452.3	436.8	419.5	400.4	380.4	359.4	338.9
-75°	411.6	403.4	393.7	382.5	370.2	357.0	343.0	327.5	311.1	294.0	276.8
-77.5°	323.6	316.0	307.6	299.2	290.2	280.9	270.4	257.5	244.5	230.9	217.1
-80°	236.8	231.5	225.8	220.8	215.2	209.1	201.9	191.8	181.1	170.5	160.7
-82.5°	159.9	156.0	151.6	148.6	145.2	141.4	137.0	130.5	123.8	117.0	110.2
-85°	90.7	87.1	83.4	82.4	81.1	79.6	77.9	74.5	70.9	67.1	63.1
-87.5°	30.9	29.0	27.1	27.9	28.5	29.0	29.4	28.5	27.5	26.5	25.4
-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: P627447 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	24.2	23.1	21.9	20.6	19.3	17.9	16.6	15.2	13.2	11.2	9.4
85°	58.9	54.6	50.1	45.5	40.6	35.9	33.1	30.3	26.3	22.5	18.8
82.5°	103.4	96.8	90.1	83.0	75.0	67.0	59.3	51.7	43.2	34.3	28.2
80°	151.6	142.2	132.4	122.1	110.4	98.0	87.2	76.7	66.4	55.5	44.0
77.5°	203.9	190.1	175.9	162.9	149.3	134.8	119.4	103.4	89.6	76.7	63.0
75°	259.7	243.0	225.9	208.2	190.0	171.6	154.0	135.5	117.0	98.1	81.8
72.5°	319.0	298.3	276.9	254.9	233.7	211.9	189.6	167.3	145.7	123.8	101.6
70°	379.8	354.6	329.6	304.8	278.9	252.1	226.6	200.4	174.2	149.2	123.8
67.5°	442.0	413.5	384.1	354.9	326.2	295.9	264.0	233.3	203.4	174.2	145.7
65°	507.3	473.6	439.1	406.0	373.1	340.0	305.1	266.9	232.1	199.3	167.3
62.5°	571.5	534.8	496.0	456.6	419.1	382.5	345.4	302.9	260.9	223.9	188.5
60°	633.8	592.6	550.9	507.4	464.7	423.7	382.5	338.0	292.2	247.8	209.2
57.5°	691.0	647.7	601.2	555.3	509.3	463.8	418.3	371.1	322.6	273.9	229.4
55°	744.7	697.5	648.9	599.3	551.1	502.7	453.2	402.9	351.9	299.8	249.1
52.5°	795.0	745.8	694.1	641.5	589.2	539.3	487.2	433.7	379.7	324.9	270.8
50°	839.0	792.7	738.1	682.4	625.9	573.1	520.1	463.6	406.5	348.9	291.9
47.5°	875.9	833.4	780.7	722.1	662.6	606.2	550.9	492.5	432.5	371.9	312.2
45°	912.1	871.1	820.1	760.3	698.8	639.2	580.6	520.3	457.4	394.1	331.6
42.5°	945.9	905.0	857.4	797.0	733.5	671.0	609.4	546.5	481.3	415.2	350.1
40°	974.8	934.7	892.5	832.2	766.2	701.0	636.8	571.7	504.1	435.4	367.5
37.5°	1002.8	961.8	918.3	865.4	796.8	729.2	662.5	596.0	526.1	454.8	383.9
35°	1030.1	987.6	941.4	891.2	825.3	755.4	686.5	618.6	546.7	473.4	399.3
32.5°	1054.4	1010.7	962.8	912.0	851.6	779.6	708.7	638.5	565.9	491.0	413.6
30°	1083.3	1030.2	982.0	932.5	874.1	801.8	729.3	657.1	583.5	507.6	427.0
27.5°	1111.0	1048.9	999.2	949.5	891.7	822.0	748.3	674.3	599.7	522.7	440.3
25°	1137.7	1070.2	1015.2	963.8	908.6	841.3	765.8	690.0	613.9	535.8	452.5
22.5°	1168.5	1089.7	1030.1	976.2	924.7	858.7	781.6	704.2	626.6	547.6	463.7
20°	1196.0	1105.9	1043.9	987.9	936.9	871.8	795.7	716.9	637.9	558.1	473.8
17.5°	1222.7	1124.2	1057.3	999.1	945.9	883.4	808.1	728.0	647.8	567.1	482.8
15°	1259.8	1145.1	1069.0	1008.7	953.6	893.2	818.7	737.5	656.2	574.8	490.9
12.5°	1291.6	1162.7	1078.7	1016.5	959.9	901.3	827.5	745.4	663.3	581.7	498.0
10°	1317.4	1176.7	1086.2	1022.6	964.7	907.7	834.5	752.1	669.8	587.6	503.9
7.5°	1337.1	1187.1	1091.6	1026.9	968.0	912.3	840.9	758.0	675.1	592.2	508.5
5°	1350.4	1194.0	1096.1	1029.4	969.8	915.2	845.6	762.3	678.9	595.5	511.8
2.5°	1357.3	1197.0	1099.4	1030.1	970.2	916.1	848.4	764.8	681.1	597.5	513.7
0°	1357.8	1196.3	1100.6	1028.9	969.0	915.2	849.4	765.7	681.9	598.2	514.4
-2.5°	1357.3	1197.0	1099.4	1030.1	970.2	916.1	848.4	764.8	681.1	597.5	513.7
-5°	1350.4	1194.0	1096.1	1029.4	969.8	915.2	845.6	762.3	678.9	595.5	511.8
-7.5°	1337.1	1187.1	1091.6	1026.9	968.0	912.3	840.9	758.0	675.1	592.2	508.5
-10°	1317.4	1176.7	1086.2	1022.6	964.7	907.7	834.5	752.1	669.8	587.6	503.9
-12.5°	1291.6	1162.7	1078.7	1016.5	959.9	901.3	827.5	745.4	663.3	581.7	498.0
-15°	1259.8	1145.1	1069.0	1008.7	953.6	893.2	818.7	737.5	656.2	574.8	490.9
-17.5°	1222.7	1124.2	1057.3	999.1	945.9	883.4	808.1	728.0	647.8	567.1	482.8
-20°	1196.0	1105.9	1043.9	987.9	936.9	871.8	795.7	716.9	637.9	558.1	473.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627447 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	1168.5	1089.7	1030.1	976.2	924.7	858.7	781.6	704.2	626.6	547.6	463.7
-25°	1137.7	1070.2	1015.2	963.8	908.6	841.3	765.8	690.0	613.9	535.8	452.5
-27.5°	1111.0	1048.9	999.2	949.5	891.7	822.0	748.3	674.3	599.7	522.7	440.3
-30°	1083.3	1030.2	982.0	932.5	874.1	801.8	729.3	657.1	583.5	507.6	427.0
-32.5°	1054.4	1010.7	962.8	912.0	851.6	779.6	708.7	638.5	565.9	491.0	413.6
-35°	1030.1	987.6	941.4	891.2	825.3	755.4	686.5	618.6	546.7	473.4	399.3
-37.5°	1002.8	961.8	918.3	865.4	796.8	729.2	662.5	596.0	526.1	454.8	383.9
-40°	974.8	934.7	892.5	832.2	766.2	701.0	636.8	571.7	504.1	435.4	367.5
-42.5°	945.9	905.0	857.4	797.0	733.5	671.0	609.4	546.5	481.3	415.2	350.1
-45°	912.1	871.1	820.1	760.3	698.8	639.2	580.6	520.3	457.4	394.1	331.6
-47.5°	875.9	833.4	780.7	722.1	662.6	606.2	550.9	492.5	432.5	371.9	312.2
-50°	839.0	792.7	738.1	682.4	625.9	573.1	520.1	463.6	406.5	348.9	291.9
-52.5°	795.0	745.8	694.1	641.5	589.2	539.3	487.2	433.7	379.7	324.9	270.8
-55°	744.7	697.5	648.9	599.3	551.1	502.7	453.2	402.9	351.9	299.8	249.1
-57.5°	691.0	647.7	601.2	555.3	509.3	463.8	418.3	371.1	322.6	273.9	229.4
-60°	633.8	592.6	550.9	507.4	464.7	423.7	382.5	338.0	292.2	247.8	209.2
-62.5°	571.5	534.8	496.0	456.6	419.1	382.5	345.4	302.9	260.9	223.9	188.5
-65°	507.3	473.6	439.1	406.0	373.1	340.0	305.1	266.9	232.1	199.3	167.3
-67.5°	442.0	413.5	384.1	354.9	326.2	295.9	264.0	233.3	203.4	174.2	145.7
-70°	379.8	354.6	329.6	304.8	278.9	252.1	226.6	200.4	174.2	149.2	123.8
-72.5°	319.0	298.3	276.9	254.9	233.7	211.9	189.6	167.3	145.7	123.8	101.6
-75°	259.7	243.0	225.9	208.2	190.0	171.6	154.0	135.5	117.0	98.1	81.8
-77.5°	203.9	190.1	175.9	162.9	149.3	134.8	119.4	103.4	89.6	76.7	63.0
-80°	151.6	142.2	132.4	122.1	110.4	98.0	87.2	76.7	66.4	55.5	44.0
-82.5°	103.4	96.8	90.1	83.0	75.0	67.0	59.3	51.7	43.2	34.3	28.2
-85°	58.9	54.6	50.1	45.5	40.6	35.9	33.1	30.3	26.3	22.5	18.8
-87.5°	24.2	23.1	21.9	20.6	19.3	17.9	16.6	15.2	13.2	11.2	9.4
-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: P627447 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	7.7	6.5	5.2	3.9	2.6	1.3	0.0
85°	15.5	12.9	10.4	7.8	5.2	2.6	0.0
82.5°	23.2	19.4	15.5	11.7	7.8	3.9	0.0
80°	31.9	25.8	20.7	15.5	10.4	5.2	0.0
77.5°	48.6	34.8	25.8	19.4	12.9	6.5	0.0
75°	65.2	48.6	31.9	23.2	15.5	7.7	0.0
72.5°	81.6	62.3	42.9	26.9	18.0	9.0	0.0
70°	98.1	75.8	53.7	31.4	20.4	10.2	0.0
67.5°	116.8	89.1	64.4	39.5	22.9	11.4	0.0
65°	135.1	103.2	74.9	47.3	25.2	12.6	0.0
62.5°	153.0	117.9	85.1	55.0	27.6	13.8	0.0
60°	170.4	132.2	95.2	62.6	29.9	14.9	0.0
57.5°	187.8	146.1	106.1	69.9	34.7	16.1	0.0
55°	204.8	159.6	116.8	77.1	39.4	17.1	0.0
52.5°	221.5	172.8	127.1	84.1	43.9	18.2	0.0
50°	237.7	186.4	137.1	90.8	48.2	19.2	0.0
47.5°	253.7	199.5	146.6	97.4	52.4	20.2	0.0
45°	270.2	212.3	155.7	104.2	56.4	21.1	0.0
42.5°	286.0	224.5	164.4	110.7	60.2	22.0	0.0
40°	301.0	236.3	173.2	116.7	63.7	22.9	0.0
37.5°	315.1	247.5	182.1	122.3	67.1	23.7	0.0
35°	328.3	258.4	190.5	127.6	70.2	24.5	0.0
32.5°	340.6	268.8	198.5	132.5	73.1	25.2	0.0
30°	352.0	278.4	206.0	137.0	75.8	25.9	0.0
27.5°	362.5	287.2	212.6	141.2	78.3	26.5	0.0
25°	371.9	295.3	218.7	145.0	80.5	27.1	0.0
22.5°	380.5	302.5	224.1	148.5	82.5	27.6	0.0
20°	388.0	308.6	229.0	151.5	84.3	28.1	0.0
17.5°	394.8	313.9	233.2	154.2	85.8	28.5	0.0
15°	400.9	318.4	236.8	156.5	87.1	28.9	0.0
12.5°	406.2	322.2	239.8	158.3	88.1	29.2	0.0
10°	410.6	325.2	242.2	159.8	88.9	29.4	0.0
7.5°	414.1	327.3	243.9	160.8	89.4	29.6	0.0
5°	416.6	328.7	245.0	161.5	89.8	29.8	0.0
2.5°	418.2	329.3	245.4	161.7	89.8	29.9	0.0
0°	418.7	329.0	245.2	161.5	89.7	29.9	0.0
-2.5°	418.2	329.3	245.4	161.7	89.8	29.9	0.0
-5°	416.6	328.7	245.0	161.5	89.8	29.8	0.0
-7.5°	414.1	327.3	243.9	160.8	89.4	29.6	0.0
-10°	410.6	325.2	242.2	159.8	88.9	29.4	0.0
-12.5°	406.2	322.2	239.8	158.3	88.1	29.2	0.0
-15°	400.9	318.4	236.8	156.5	87.1	28.9	0.0
-17.5°	394.8	313.9	233.2	154.2	85.8	28.5	0.0
-20°	388.0	308.6	229.0	151.5	84.3	28.1	0.0

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Scaled Data Report



REPORT NUMBER: P627447 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-730-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	380.5	302.5	224.1	148.5	82.5	27.6	0.0
-25°	371.9	295.3	218.7	145.0	80.5	27.1	0.0
-27.5°	362.5	287.2	212.6	141.2	78.3	26.5	0.0
-30°	352.0	278.4	206.0	137.0	75.8	25.9	0.0
-32.5°	340.6	268.8	198.5	132.5	73.1	25.2	0.0
-35°	328.3	258.4	190.5	127.6	70.2	24.5	0.0
-37.5°	315.1	247.5	182.1	122.3	67.1	23.7	0.0
-40°	301.0	236.3	173.2	116.7	63.7	22.9	0.0
-42.5°	286.0	224.5	164.4	110.7	60.2	22.0	0.0
-45°	270.2	212.3	155.7	104.2	56.4	21.1	0.0
-47.5°	253.7	199.5	146.6	97.4	52.4	20.2	0.0
-50°	237.7	186.4	137.1	90.8	48.2	19.2	0.0
-52.5°	221.5	172.8	127.1	84.1	43.9	18.2	0.0
-55°	204.8	159.6	116.8	77.1	39.4	17.1	0.0
-57.5°	187.8	146.1	106.1	69.9	34.7	16.1	0.0
-60°	170.4	132.2	95.2	62.6	29.9	14.9	0.0
-62.5°	153.0	117.9	85.1	55.0	27.6	13.8	0.0
-65°	135.1	103.2	74.9	47.3	25.2	12.6	0.0
-67.5°	116.8	89.1	64.4	39.5	22.9	11.4	0.0
-70°	98.1	75.8	53.7	31.4	20.4	10.2	0.0
-72.5°	81.6	62.3	42.9	26.9	18.0	9.0	0.0
-75°	65.2	48.6	31.9	23.2	15.5	7.7	0.0
-77.5°	48.6	34.8	25.8	19.4	12.9	6.5	0.0
-80°	31.9	25.8	20.7	15.5	10.4	5.2	0.0
-82.5°	23.2	19.4	15.5	11.7	7.8	3.9	0.0
-85°	15.5	12.9	10.4	7.8	5.2	2.6	0.0
-87.5°	7.7	6.5	5.2	3.9	2.6	1.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)