

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: P627667 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627667 (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-SA5D-722-U-MWR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N109  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

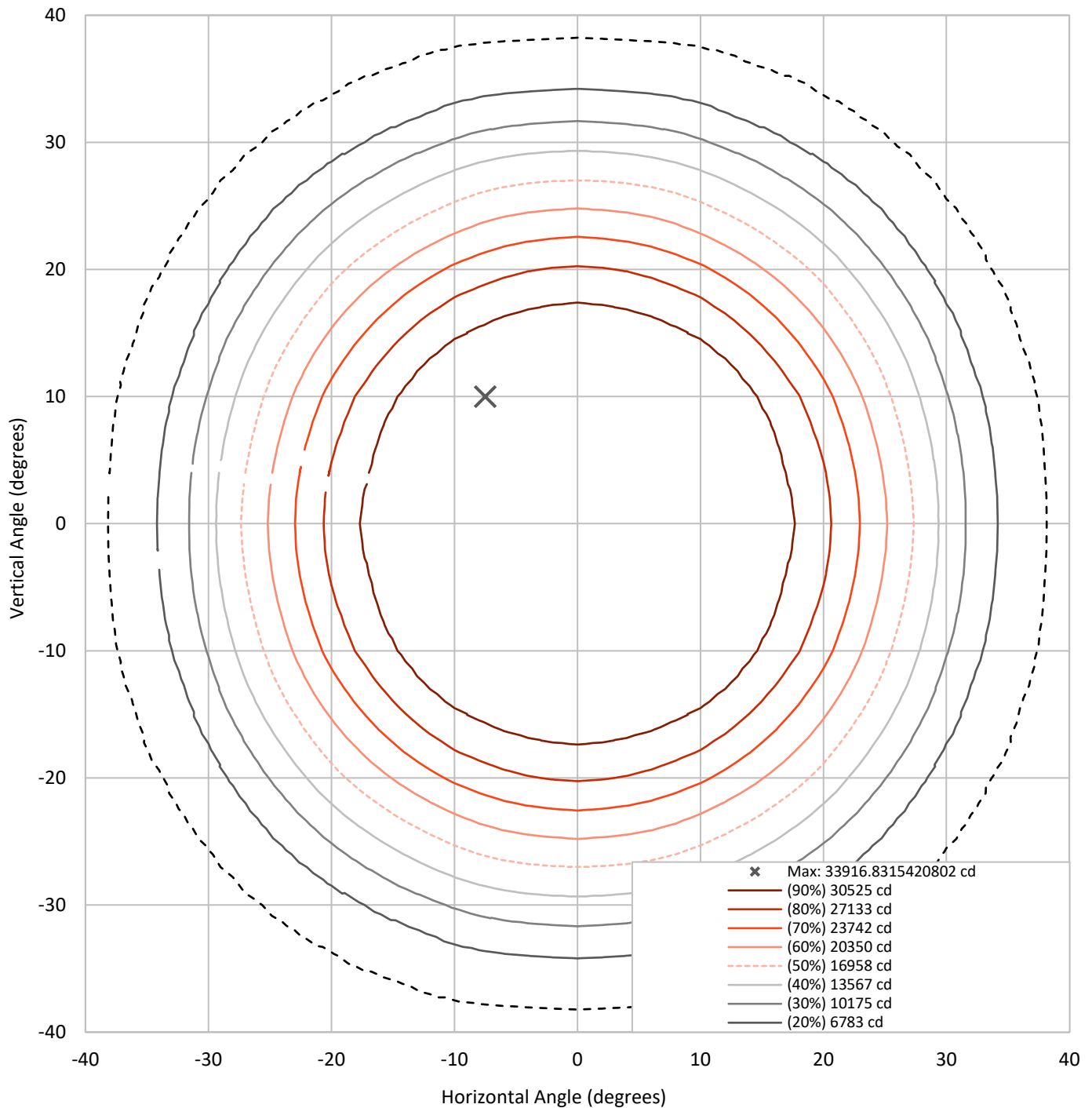
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	28866.4 lumens	Max Intensity:	33916.8 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	106.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	19159.8 lumens	Field Lumens:	24913.3 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
Input Watts (W):	271.3		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





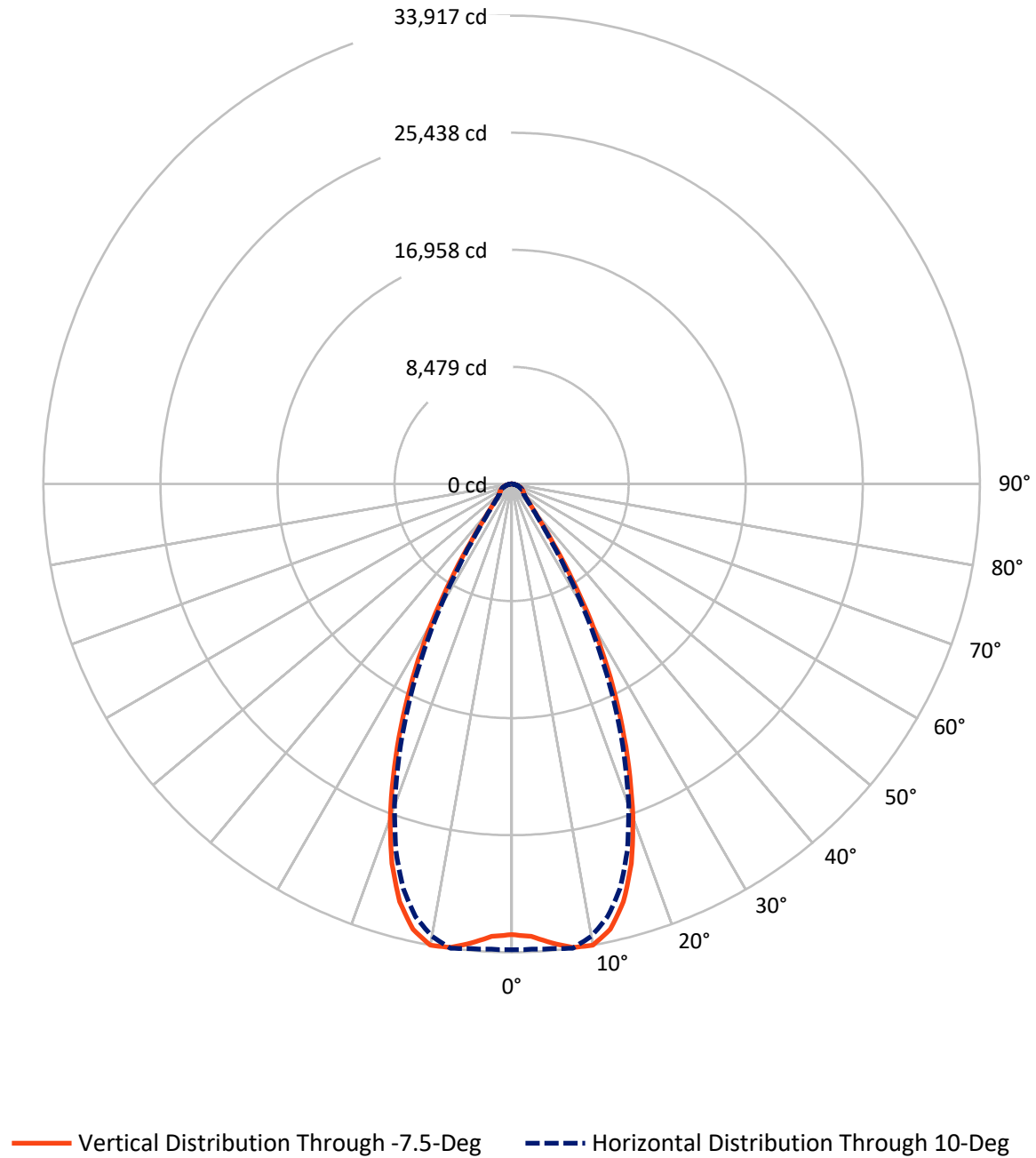
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### Lumen Table

90																
80	0.7	6.8		18.1		28.7		32.0		28.7		18.1		6.8		0.7
70																
60	3.1	3.5	7.1	11.6	16.2	19.6	22.2	23.5	23.5	22.2	19.6	16.2	11.6	7.1	3.5	3.1
50		5.2	10.4	16.7	22.3	27.0	30.1	31.5	31.5	30.1	27.0	22.3	16.7	10.4	5.2	
40	5.4	6.7	13.2	20.2	27.1	35.3	44.3	50.9	50.9	44.3	35.3	27.1	20.2	13.2	6.7	5.4
30		8.0	15.3	23.2	36.0	65.6	125.6	186.1	186.1	125.6	65.6	36.0	23.2	15.3	8.0	
20	7.0	8.9	16.7	27.1	59.1	185.3	415.7	580.5	580.5	415.7	185.3	59.1	27.1	16.7	8.9	7.0
10		9.5	17.6	32.2	106.9	395.1	754.4	944.2	944.2	754.4	395.1	106.9	32.2	17.6	9.5	
0	7.6	9.8	18.0	36.3	153.9	540.6	915.2	995.8	995.8	915.2	540.6	153.9	36.3	18.0	9.8	7.6
-10		9.8	18.0	36.3	153.9	540.6	915.2	995.8	995.8	915.2	540.6	153.9	36.3	18.0	9.8	
-20	7.0	9.5	17.6	32.2	106.9	395.1	754.4	944.2	944.2	754.4	395.1	106.9	32.2	17.6	9.5	7.0
-30		8.9	16.7	27.1	59.1	185.3	415.7	580.5	580.5	415.7	185.3	59.1	27.1	16.7	8.9	
-40	5.4	8.0	15.3	23.2	36.0	65.6	125.6	186.1	186.1	125.6	65.6	36.0	23.2	15.3	8.0	5.4
-50		6.7	13.2	20.2	27.1	35.3	44.3	50.9	50.9	44.3	35.3	27.1	20.2	13.2	6.7	
-60	3.1	5.2	10.4	16.7	22.3	27.0	30.1	31.5	31.5	30.1	27.0	22.3	16.7	10.4	5.2	3.1
-70		3.5	7.1	11.6	16.2	19.6	22.2	23.5	23.5	22.2	19.6	16.2	11.6	7.1	3.5	
-80																
-90	0.7	6.8		18.1		28.7		32.0		28.7		18.1		6.8		0.7
Horizontal Angle (degrees)																

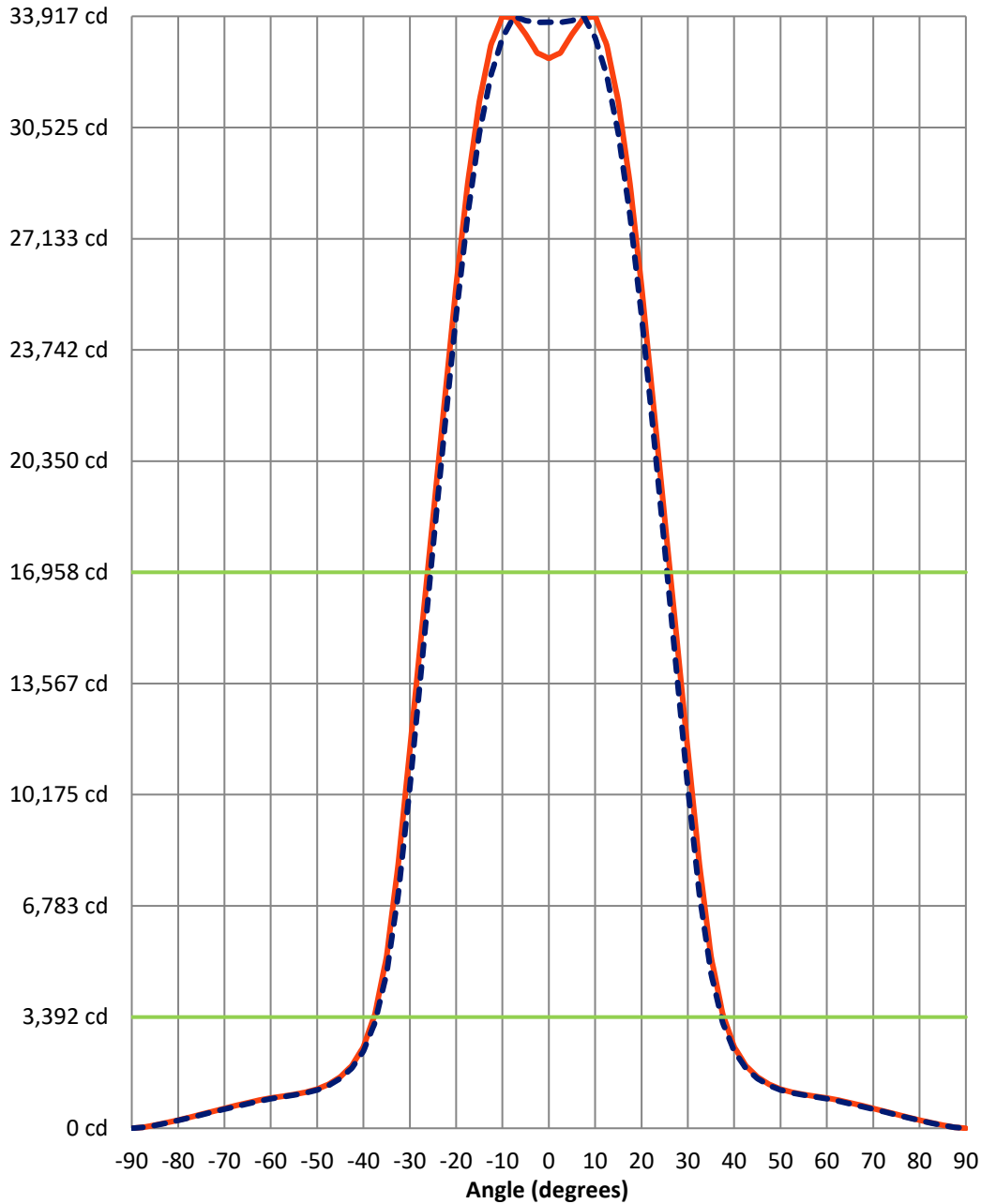
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 51°  
 V Angle: 52.3°  
 Lumens: 19159.8  
 Efficiency: 66.4%

**Field:**  
 H Angle: 74.5°  
 V Angle: 75.5°  
 Lumens: 24913.3  
 Efficiency: 86.3%

**Spill:**  
 Lumens: 3953.2  
 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	1.3	2.6	3.9	5.2	6.4	7.7	9.4	11.2	13.1	15.0
85°	0.0	2.6	5.2	7.7	10.3	12.8	15.4	18.7	22.3	26.1	30.0
82.5°	0.0	3.9	7.7	11.6	15.4	19.2	23.0	28.0	34.0	42.9	51.3
80°	0.0	5.2	10.3	15.4	20.5	25.6	31.7	43.6	55.1	65.9	76.1
77.5°	0.0	6.4	12.8	19.2	25.6	34.5	48.3	62.5	76.1	88.9	102.7
75°	0.0	7.7	15.4	23.0	31.7	48.3	64.7	81.2	97.4	116.1	134.5
72.5°	0.0	8.9	17.8	26.7	42.6	61.9	81.0	100.8	122.9	144.6	166.0
70°	0.0	10.2	20.3	31.2	53.3	75.3	97.4	122.9	148.0	172.8	198.8
67.5°	0.0	11.4	22.7	39.2	63.9	88.5	115.9	144.6	172.8	201.8	231.5
65°	0.0	12.5	25.1	47.0	74.3	102.4	134.1	166.0	197.8	230.3	264.8
62.5°	0.0	13.7	27.4	54.7	84.5	117.0	151.8	187.0	222.2	258.9	300.6
60°	0.0	14.8	29.7	62.1	94.5	131.2	169.0	207.6	245.9	290.0	335.4
57.5°	0.0	16.0	34.4	69.4	105.4	145.0	186.3	227.6	271.8	320.1	368.2
55°	0.0	17.0	39.1	76.5	115.9	158.4	203.2	247.2	297.5	349.2	399.8
52.5°	0.0	18.1	43.6	83.4	126.2	171.4	219.8	268.7	322.3	376.7	430.4
50°	0.0	19.1	47.9	90.1	136.0	184.9	235.9	289.7	346.1	403.4	460.1
47.5°	0.0	20.1	52.0	96.7	145.5	198.0	251.7	309.8	369.0	429.1	488.7
45°	0.0	21.0	56.0	103.4	154.5	210.6	268.2	329.0	391.1	453.9	516.3
42.5°	0.0	21.9	59.7	109.9	163.1	222.8	283.8	347.3	412.0	477.6	542.3
40°	0.0	22.7	63.3	115.8	171.8	234.5	298.6	364.7	432.0	500.2	567.3
37.5°	0.0	23.6	66.6	121.4	180.7	245.6	312.6	381.0	451.4	522.1	591.4
35°	0.0	24.3	69.7	126.6	189.1	256.5	325.7	396.2	469.8	542.5	613.8
32.5°	0.0	25.0	72.6	131.5	197.0	266.7	338.0	410.4	487.2	561.5	633.6
30°	0.0	25.7	75.3	136.0	204.4	276.3	349.3	423.7	503.7	579.0	652.0
27.5°	0.0	26.3	77.7	140.1	211.0	285.0	359.7	436.9	518.7	595.0	669.1
25°	0.0	26.9	79.9	143.9	217.0	293.0	369.1	449.0	531.7	609.2	684.7
22.5°	0.0	27.4	81.9	147.4	222.4	300.1	377.5	460.2	543.5	621.8	698.8
20°	0.0	27.9	83.6	150.4	227.2	306.2	385.0	470.2	553.8	633.0	711.4
17.5°	0.0	28.3	85.1	153.0	231.4	311.5	391.8	479.1	562.8	642.8	722.4
15°	0.0	28.7	86.4	155.3	235.0	316.0	397.9	487.1	570.4	651.2	731.9
12.5°	0.0	29.0	87.4	157.1	238.0	319.7	403.1	494.2	577.2	658.2	739.7
10°	0.0	29.2	88.2	158.6	240.4	322.7	407.5	500.1	583.1	664.7	746.3
7.5°	0.0	29.4	88.8	159.6	242.1	324.8	410.9	504.6	587.7	670.0	752.2
5°	0.0	29.6	89.1	160.3	243.2	326.2	413.5	507.9	591.0	673.7	756.4
2.5°	0.0	29.7	89.1	160.5	243.6	326.8	415.0	509.8	592.9	675.9	759.0
0°	0.0	29.7	89.0	160.3	243.4	326.5	415.5	510.5	593.6	676.7	759.8
-2.5°	0.0	29.7	89.1	160.5	243.6	326.8	415.0	509.8	592.9	675.9	759.0
-5°	0.0	29.6	89.1	160.3	243.2	326.2	413.5	507.9	591.0	673.7	756.4
-7.5°	0.0	29.4	88.8	159.6	242.1	324.8	410.9	504.6	587.7	670.0	752.2
-10°	0.0	29.2	88.2	158.6	240.4	322.7	407.5	500.1	583.1	664.7	746.3
-12.5°	0.0	29.0	87.4	157.1	238.0	319.7	403.1	494.2	577.2	658.2	739.7
-15°	0.0	28.7	86.4	155.3	235.0	316.0	397.9	487.1	570.4	651.2	731.9
-17.5°	0.0	28.3	85.1	153.0	231.4	311.5	391.8	479.1	562.8	642.8	722.4
-20°	0.0	27.9	83.6	150.4	227.2	306.2	385.0	470.2	553.8	633.0	711.4

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA5D-722-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	27.4	81.9	147.4	222.4	300.1	377.5	460.2	543.5	621.8	698.8
-25°	0.0	26.9	79.9	143.9	217.0	293.0	369.1	449.0	531.7	609.2	684.7
-27.5°	0.0	26.3	77.7	140.1	211.0	285.0	359.7	436.9	518.7	595.0	669.1
-30°	0.0	25.7	75.3	136.0	204.4	276.3	349.3	423.7	503.7	579.0	652.0
-32.5°	0.0	25.0	72.6	131.5	197.0	266.7	338.0	410.4	487.2	561.5	633.6
-35°	0.0	24.3	69.7	126.6	189.1	256.5	325.7	396.2	469.8	542.5	613.8
-37.5°	0.0	23.6	66.6	121.4	180.7	245.6	312.6	381.0	451.4	522.1	591.4
-40°	0.0	22.7	63.3	115.8	171.8	234.5	298.6	364.7	432.0	500.2	567.3
-42.5°	0.0	21.9	59.7	109.9	163.1	222.8	283.8	347.3	412.0	477.6	542.3
-45°	0.0	21.0	56.0	103.4	154.5	210.6	268.2	329.0	391.1	453.9	516.3
-47.5°	0.0	20.1	52.0	96.7	145.5	198.0	251.7	309.8	369.0	429.1	488.7
-50°	0.0	19.1	47.9	90.1	136.0	184.9	235.9	289.7	346.1	403.4	460.1
-52.5°	0.0	18.1	43.6	83.4	126.2	171.4	219.8	268.7	322.3	376.7	430.4
-55°	0.0	17.0	39.1	76.5	115.9	158.4	203.2	247.2	297.5	349.2	399.8
-57.5°	0.0	16.0	34.4	69.4	105.4	145.0	186.3	227.6	271.8	320.1	368.2
-60°	0.0	14.8	29.7	62.1	94.5	131.2	169.0	207.6	245.9	290.0	335.4
-62.5°	0.0	13.7	27.4	54.7	84.5	117.0	151.8	187.0	222.2	258.9	300.6
-65°	0.0	12.5	25.1	47.0	74.3	102.4	134.1	166.0	197.8	230.3	264.8
-67.5°	0.0	11.4	22.7	39.2	63.9	88.5	115.9	144.6	172.8	201.8	231.5
-70°	0.0	10.2	20.3	31.2	53.3	75.3	97.4	122.9	148.0	172.8	198.8
-72.5°	0.0	8.9	17.8	26.7	42.6	61.9	81.0	100.8	122.9	144.6	166.0
-75°	0.0	7.7	15.4	23.0	31.7	48.3	64.7	81.2	97.4	116.1	134.5
-77.5°	0.0	6.4	12.8	19.2	25.6	34.5	48.3	62.5	76.1	88.9	102.7
-80°	0.0	5.2	10.3	15.4	20.5	25.6	31.7	43.6	55.1	65.9	76.1
-82.5°	0.0	3.9	7.7	11.6	15.4	19.2	23.0	28.0	34.0	42.9	51.3
-85°	0.0	2.6	5.2	7.7	10.3	12.8	15.4	18.7	22.3	26.1	30.0
-87.5°	0.0	1.3	2.6	3.9	5.2	6.4	7.7	9.4	11.2	13.1	15.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**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°	16.4	17.8	19.1	20.4	21.7	22.9	24.0	25.2	26.2	27.3	28.2
85°	32.8	35.6	40.3	45.1	49.7	54.2	58.5	62.6	66.5	70.3	73.9
82.5°	58.8	66.5	74.4	82.4	89.3	96.0	102.6	109.3	116.1	122.8	129.4
80°	86.5	97.3	109.5	121.1	131.3	141.0	150.4	159.4	169.2	179.6	190.3
77.5°	118.5	133.7	148.1	161.5	174.5	188.6	202.3	215.4	229.1	242.6	255.6
75°	152.7	170.2	188.5	206.6	224.1	241.1	257.7	274.6	291.8	308.8	325.0
72.5°	188.1	210.2	231.9	252.9	274.7	296.0	316.6	336.3	356.7	377.5	397.4
70°	224.8	250.1	276.8	302.5	327.1	351.9	376.9	401.1	424.7	448.8	472.7
67.5°	261.9	293.6	323.7	352.3	381.2	410.4	438.6	467.4	495.4	523.5	550.3
65°	302.7	337.4	370.2	402.9	435.7	470.0	503.4	535.6	568.0	599.4	627.6
62.5°	342.8	379.6	415.9	453.1	492.2	530.7	567.1	604.1	641.8	674.6	703.2
60°	379.5	420.4	461.1	503.5	546.7	588.1	629.0	669.2	709.7	747.4	770.7
57.5°	415.1	460.3	505.4	551.0	596.5	642.8	685.7	729.9	767.5	799.3	826.4
55°	449.7	498.8	546.8	594.7	643.9	692.2	738.9	780.9	817.6	844.2	870.3
52.5°	483.4	535.2	584.7	636.6	688.8	740.1	788.9	827.8	857.9	885.1	909.4
50°	516.1	568.7	621.1	677.2	732.4	786.6	832.5	866.6	897.3	923.7	949.2
47.5°	546.7	601.6	657.5	716.5	774.6	827.0	869.2	904.9	936.2	964.7	994.9
45°	576.1	634.4	693.5	754.4	813.7	864.4	905.1	943.5	972.8	1005.0	1039.6
42.5°	604.7	665.9	727.8	790.7	850.8	898.1	938.7	973.9	1008.4	1046.5	1088.3
40°	631.9	695.6	760.2	825.8	885.6	927.5	967.3	1004.7	1046.5	1091.8	1140.3
37.5°	657.4	723.5	790.7	858.8	911.2	954.4	995.2	1036.8	1085.5	1138.0	1203.7
35°	681.2	749.6	819.0	884.3	934.2	980.0	1022.2	1068.6	1125.5	1194.1	1278.3
32.5°	703.2	773.6	845.0	905.0	955.4	1003.0	1046.2	1104.2	1172.5	1254.2	1373.4
30°	723.6	795.6	867.3	925.4	974.5	1022.2	1075.0	1140.2	1220.1	1339.3	1491.9
27.5°	742.5	815.6	884.8	942.3	991.6	1040.7	1102.5	1181.6	1286.7	1429.0	1618.7
25°	759.9	834.8	901.6	956.4	1007.4	1061.9	1129.0	1217.9	1356.2	1540.0	1796.3
22.5°	775.6	852.1	917.7	968.7	1022.2	1081.3	1159.5	1270.8	1430.2	1644.8	1975.4
20°	789.6	865.1	929.7	980.3	1035.8	1097.3	1186.7	1320.9	1513.2	1791.0	2213.1
17.5°	801.9	876.6	938.7	991.4	1049.2	1115.5	1213.2	1364.3	1586.9	1918.6	2453.4
15°	812.4	886.3	946.3	1000.9	1060.8	1136.3	1250.1	1421.0	1672.5	2051.3	2662.8
12.5°	821.2	894.4	952.5	1008.7	1070.4	1153.7	1281.7	1474.6	1761.4	2214.4	2971.4
10°	828.1	900.7	957.3	1014.8	1077.9	1167.7	1307.3	1518.4	1835.0	2355.6	3234.6
7.5°	834.4	905.3	960.6	1019.0	1083.2	1178.0	1326.8	1552.1	1891.5	2466.5	3442.9
5°	839.1	908.1	962.4	1021.5	1087.7	1184.8	1340.0	1575.5	1930.5	2545.8	3589.5
2.5°	842.0	909.1	962.7	1022.1	1091.0	1187.8	1346.9	1588.4	1961.2	2583.3	3668.2
0°	842.9	908.2	961.6	1020.9	1092.2	1187.1	1347.4	1590.8	1976.6	2582.0	3680.1
-2.5°	842.0	909.1	962.7	1022.1	1091.0	1187.8	1346.9	1588.4	1961.2	2583.3	3668.2
-5°	839.1	908.1	962.4	1021.5	1087.7	1184.8	1340.0	1575.5	1930.5	2545.8	3589.5
-7.5°	834.4	905.3	960.6	1019.0	1083.2	1178.0	1326.8	1552.1	1891.5	2466.5	3442.9
-10°	828.1	900.7	957.3	1014.8	1077.9	1167.7	1307.3	1518.4	1835.0	2355.6	3234.6
-12.5°	821.2	894.4	952.5	1008.7	1070.4	1153.7	1281.7	1474.6	1761.4	2214.4	2971.4
-15°	812.4	886.3	946.3	1000.9	1060.8	1136.3	1250.1	1421.0	1672.5	2051.3	2662.8
-17.5°	801.9	876.6	938.7	991.4	1049.2	1115.5	1213.2	1364.3	1586.9	1918.6	2453.4
-20°	789.6	865.1	929.7	980.3	1035.8	1097.3	1186.7	1320.9	1513.2	1791.0	2213.1



REPORT NUMBER: P627667 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-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°	775.6	852.1	917.7	968.7	1022.2	1081.3	1159.5	1270.8	1430.2	1644.8	1975.4
-25°	759.9	834.8	901.6	956.4	1007.4	1061.9	1129.0	1217.9	1356.2	1540.0	1796.3
-27.5°	742.5	815.6	884.8	942.3	991.6	1040.7	1102.5	1181.6	1286.7	1429.0	1618.7
-30°	723.6	795.6	867.3	925.4	974.5	1022.2	1075.0	1140.2	1220.1	1339.3	1491.9
-32.5°	703.2	773.6	845.0	905.0	955.4	1003.0	1046.2	1104.2	1172.5	1254.2	1373.4
-35°	681.2	749.6	819.0	884.3	934.2	980.0	1022.2	1068.6	1125.5	1194.1	1278.3
-37.5°	657.4	723.5	790.7	858.8	911.2	954.4	995.2	1036.8	1085.5	1138.0	1203.7
-40°	631.9	695.6	760.2	825.8	885.6	927.5	967.3	1004.7	1046.5	1091.8	1140.3
-42.5°	604.7	665.9	727.8	790.7	850.8	898.1	938.7	973.9	1008.4	1046.5	1088.3
-45°	576.1	634.4	693.5	754.4	813.7	864.4	905.1	943.5	972.8	1005.0	1039.6
-47.5°	546.7	601.6	657.5	716.5	774.6	827.0	869.2	904.9	936.2	964.7	994.9
-50°	516.1	568.7	621.1	677.2	732.4	786.6	832.5	866.6	897.3	923.7	949.2
-52.5°	483.4	535.2	584.7	636.6	688.8	740.1	788.9	827.8	857.9	885.1	909.4
-55°	449.7	498.8	546.8	594.7	643.9	692.2	738.9	780.9	817.6	844.2	870.3
-57.5°	415.1	460.3	505.4	551.0	596.5	642.8	685.7	729.9	767.5	799.3	826.4
-60°	379.5	420.4	461.1	503.5	546.7	588.1	629.0	669.2	709.7	747.4	770.7
-62.5°	342.8	379.6	415.9	453.1	492.2	530.7	567.1	604.1	641.8	674.6	703.2
-65°	302.7	337.4	370.2	402.9	435.7	470.0	503.4	535.6	568.0	599.4	627.6
-67.5°	261.9	293.6	323.7	352.3	381.2	410.4	438.6	467.4	495.4	523.5	550.3
-70°	224.8	250.1	276.8	302.5	327.1	351.9	376.9	401.1	424.7	448.8	472.7
-72.5°	188.1	210.2	231.9	252.9	274.7	296.0	316.6	336.3	356.7	377.5	397.4
-75°	152.7	170.2	188.5	206.6	224.1	241.1	257.7	274.6	291.8	308.8	325.0
-77.5°	118.5	133.7	148.1	161.5	174.5	188.6	202.3	215.4	229.1	242.6	255.6
-80°	86.5	97.3	109.5	121.1	131.3	141.0	150.4	159.4	169.2	179.6	190.3
-82.5°	58.8	66.5	74.4	82.4	89.3	96.0	102.6	109.3	116.1	122.8	129.4
-85°	32.8	35.6	40.3	45.1	49.7	54.2	58.5	62.6	66.5	70.3	73.9
-87.5°	16.4	17.8	19.1	20.4	21.7	22.9	24.0	25.2	26.2	27.3	28.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627667 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-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°	29.2	28.8	28.3	27.7	26.9	28.8	30.7	32.5	34.4	33.3	32.2
85°	77.2	79.0	80.5	81.7	82.8	86.5	90.0	93.3	96.4	96.3	96.0
82.5°	136.0	140.3	144.1	147.5	150.4	154.7	158.6	161.9	164.8	166.9	168.7
80°	200.4	207.5	213.5	219.0	224.0	229.7	235.0	239.7	243.8	246.0	247.4
77.5°	268.4	278.7	288.0	296.9	305.2	313.5	321.1	327.9	333.8	335.2	334.8
75°	340.4	354.3	367.4	379.5	390.7	400.3	408.4	415.3	420.8	423.6	425.1
72.5°	416.3	433.5	448.9	462.7	474.6	484.5	493.1	500.5	506.8	510.8	513.1
70°	495.4	515.7	531.5	544.6	554.8	564.6	575.7	586.2	596.1	601.6	603.7
67.5°	574.8	595.9	610.4	622.2	631.5	641.2	655.1	667.7	678.8	686.3	691.1
65°	652.5	674.6	689.2	700.5	709.1	718.8	734.4	746.8	756.3	763.8	770.6
62.5°	729.3	751.6	767.8	781.3	793.8	804.5	817.2	827.6	835.8	843.2	851.6
60°	795.8	822.3	839.2	853.0	868.4	885.1	894.4	902.3	909.1	915.0	920.2
57.5°	850.1	873.7	895.5	912.0	928.1	943.6	954.7	962.0	968.0	972.4	974.2
55°	895.6	919.9	944.3	962.1	977.9	992.4	1004.6	1014.2	1022.1	1028.3	1029.8
52.5°	936.3	963.7	987.5	1008.1	1029.1	1046.2	1059.5	1072.5	1083.9	1093.1	1097.0
50°	980.6	1009.3	1039.1	1066.7	1088.9	1108.5	1124.7	1143.1	1162.5	1178.5	1188.6
47.5°	1027.2	1060.3	1096.3	1130.3	1156.6	1185.5	1212.4	1239.8	1275.8	1306.1	1328.5
45°	1076.0	1118.4	1159.5	1202.7	1239.1	1293.6	1344.2	1387.7	1445.5	1497.9	1539.5
42.5°	1133.5	1186.4	1236.8	1306.0	1378.4	1452.9	1533.4	1602.0	1692.4	1784.3	1858.5
40°	1201.7	1269.2	1358.1	1451.0	1565.3	1667.8	1806.7	1930.5	2069.1	2244.3	2389.1
37.5°	1283.8	1387.9	1511.4	1640.9	1819.3	1989.7	2219.3	2461.3	2680.9	3018.0	3301.5
35°	1390.5	1535.9	1698.6	1927.8	2180.2	2499.6	2857.8	3325.2	3726.1	4294.6	4838.0
32.5°	1527.9	1714.8	1980.5	2334.4	2707.5	3287.3	3855.7	4667.3	5418.8	6319.9	7292.5
30°	1680.8	1965.3	2371.2	2856.6	3552.7	4405.6	5407.6	6654.0	8018.2	9284.8	10532.9
27.5°	1902.4	2310.1	2843.3	3626.6	4711.3	5904.6	7660.2	9352.2	11117.6	12686.9	13995.6
25°	2161.2	2699.9	3524.5	4677.8	6144.8	8188.1	10289.7	12378.0	14276.5	15919.4	17365.4
22.5°	2495.3	3270.1	4369.4	5863.2	8147.7	10596.7	13061.1	15364.5	17389.6	19219.0	20784.4
20°	2858.7	3828.3	5398.1	7625.7	10238.1	13028.2	15810.8	18264.4	20494.3	22568.6	24332.8
17.5°	3319.4	4677.2	6665.1	9337.4	12357.7	15414.7	18337.9	21000.6	23530.4	25725.4	27568.7
15°	3711.9	5424.8	8019.3	11153.3	14420.3	17644.9	20731.1	23623.4	26253.6	28505.6	30238.5
12.5°	4235.5	6262.8	9221.6	12714.4	16254.7	19647.7	22898.5	25887.8	28564.5	30791.8	32140.8
10°	4730.5	7130.2	10383.6	14026.2	17704.3	21319.4	24790.4	27856.2	30341.3	32113.0	33262.7
7.5°	5151.3	7875.7	11328.9	15086.5	18856.0	22635.6	26149.1	29132.1	31423.5	32903.1	33703.4
5°	5465.5	8433.0	12030.6	15948.1	19816.1	23662.1	27148.1	29948.4	31928.9	33028.1	33429.9
2.5°	5665.7	8760.3	12437.8	16513.3	20458.7	24311.6	27833.4	30589.8	32270.1	32998.6	33067.9
0°	5745.8	8802.6	12500.6	16809.9	20620.6	24496.6	28028.4	30853.8	32397.0	32996.5	32984.7
-2.5°	5665.7	8760.3	12437.8	16513.3	20458.7	24311.6	27833.4	30589.8	32270.1	32998.6	33067.9
-5°	5465.5	8433.0	12030.6	15948.1	19816.1	23662.1	27148.1	29948.4	31928.9	33028.1	33429.9
-7.5°	5151.3	7875.7	11328.9	15086.5	18856.0	22635.6	26149.1	29132.1	31423.5	32903.1	33703.4
-10°	4730.5	7130.2	10383.6	14026.2	17704.3	21319.4	24790.4	27856.2	30341.3	32113.0	33262.7
-12.5°	4235.5	6262.8	9221.6	12714.4	16254.7	19647.7	22898.5	25887.8	28564.5	30791.8	32140.8
-15°	3711.9	5424.8	8019.3	11153.3	14420.3	17644.9	20731.1	23623.4	26253.6	28505.6	30238.5
-17.5°	3319.4	4677.2	6665.1	9337.4	12357.7	15414.7	18337.9	21000.6	23530.4	25725.4	27568.7
-20°	2858.7	3828.3	5398.1	7625.7	10238.1	13028.2	15810.8	18264.4	20494.3	22568.6	24332.8



REPORT NUMBER: P627667 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2495.3	3270.1	4369.4	5863.2	8147.7	10596.7	13061.1	15364.5	17389.6	19219.0	20784.4
-25°	2161.2	2699.9	3524.5	4677.8	6144.8	8188.1	10289.7	12378.0	14276.5	15919.4	17365.4
-27.5°	1902.4	2310.1	2843.3	3626.6	4711.3	5904.6	7660.2	9352.2	11117.6	12686.9	13995.6
-30°	1680.8	1965.3	2371.2	2856.6	3552.7	4405.6	5407.6	6654.0	8018.2	9284.8	10532.9
-32.5°	1527.9	1714.8	1980.5	2334.4	2707.5	3287.3	3855.7	4667.3	5418.8	6319.9	7292.5
-35°	1390.5	1535.9	1698.6	1927.8	2180.2	2499.6	2857.8	3325.2	3726.1	4294.6	4838.0
-37.5°	1283.8	1387.9	1511.4	1640.9	1819.3	1989.7	2219.3	2461.3	2680.9	3018.0	3301.5
-40°	1201.7	1269.2	1358.1	1451.0	1565.3	1667.8	1806.7	1930.5	2069.1	2244.3	2389.1
-42.5°	1133.5	1186.4	1236.8	1306.0	1378.4	1452.9	1533.4	1602.0	1692.4	1784.3	1858.5
-45°	1076.0	1118.4	1159.5	1202.7	1239.1	1293.6	1344.2	1387.7	1445.5	1497.9	1539.5
-47.5°	1027.2	1060.3	1096.3	1130.3	1156.6	1185.5	1212.4	1239.8	1275.8	1306.1	1328.5
-50°	980.6	1009.3	1039.1	1066.7	1088.9	1108.5	1124.7	1143.1	1162.5	1178.5	1188.6
-52.5°	936.3	963.7	987.5	1008.1	1029.1	1046.2	1059.5	1072.5	1083.9	1093.1	1097.0
-55°	895.6	919.9	944.3	962.1	977.9	992.4	1004.6	1014.2	1022.1	1028.3	1029.8
-57.5°	850.1	873.7	895.5	912.0	928.1	943.6	954.7	962.0	968.0	972.4	974.2
-60°	795.8	822.3	839.2	853.0	868.4	885.1	894.4	902.3	909.1	915.0	920.2
-62.5°	729.3	751.6	767.8	781.3	793.8	804.5	817.2	827.6	835.8	843.2	851.6
-65°	652.5	674.6	689.2	700.5	709.1	718.8	734.4	746.8	756.3	763.8	770.6
-67.5°	574.8	595.9	610.4	622.2	631.5	641.2	655.1	667.7	678.8	686.3	691.1
-70°	495.4	515.7	531.5	544.6	554.8	564.6	575.7	586.2	596.1	601.6	603.7
-72.5°	416.3	433.5	448.9	462.7	474.6	484.5	493.1	500.5	506.8	510.8	513.1
-75°	340.4	354.3	367.4	379.5	390.7	400.3	408.4	415.3	420.8	423.6	425.1
-77.5°	268.4	278.7	288.0	296.9	305.2	313.5	321.1	327.9	333.8	335.2	334.8
-80°	200.4	207.5	213.5	219.0	224.0	229.7	235.0	239.7	243.8	246.0	247.4
-82.5°	136.0	140.3	144.1	147.5	150.4	154.7	158.6	161.9	164.8	166.9	168.7
-85°	77.2	79.0	80.5	81.7	82.8	86.5	90.0	93.3	96.4	96.3	96.0
-87.5°	29.2	28.8	28.3	27.7	26.9	28.8	30.7	32.5	34.4	33.3	32.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627667 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-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°	30.9	29.6	29.7	29.7	29.7	29.6	30.9	32.2	33.3	34.4	32.5
85°	95.4	94.5	91.9	89.0	91.9	94.5	95.4	96.0	96.3	96.4	93.3
82.5°	170.1	171.2	169.0	166.2	169.0	171.2	170.1	168.7	166.9	164.8	161.9
80°	248.1	248.2	246.1	243.4	246.1	248.2	248.1	247.4	246.0	243.8	239.7
77.5°	333.4	331.0	332.0	332.4	332.0	331.0	333.4	334.8	335.2	333.8	327.9
75°	425.8	425.4	424.0	421.4	424.0	425.4	425.8	425.1	423.6	420.8	415.3
72.5°	514.3	514.2	513.0	510.5	513.0	514.2	514.3	513.1	510.8	506.8	500.5
70°	604.2	603.1	604.7	605.4	604.7	603.1	604.2	603.7	601.6	596.1	586.2
67.5°	694.8	697.2	696.9	694.5	696.9	697.2	694.8	691.1	686.3	678.8	667.7
65°	776.1	780.1	782.6	783.5	782.6	780.1	776.1	770.6	763.8	756.3	746.8
62.5°	858.1	862.8	863.1	860.7	863.1	862.8	858.1	851.6	843.2	835.8	827.6
60°	923.1	923.9	922.7	920.0	922.7	923.9	923.1	920.2	915.0	909.1	902.3
57.5°	974.2	972.5	970.4	967.5	970.4	972.5	974.2	974.2	972.4	968.0	962.0
55°	1029.0	1026.2	1023.7	1020.9	1023.7	1026.2	1029.0	1029.8	1028.3	1022.1	1014.2
52.5°	1097.9	1096.4	1094.7	1092.2	1094.7	1096.4	1097.9	1097.0	1093.1	1083.9	1072.5
50°	1193.8	1195.2	1195.1	1193.1	1195.1	1195.2	1193.8	1188.6	1178.5	1162.5	1143.1
47.5°	1342.8	1350.7	1356.1	1359.3	1356.1	1350.7	1342.8	1328.5	1306.1	1275.8	1239.8
45°	1566.2	1582.0	1593.2	1602.6	1593.2	1582.0	1566.2	1539.5	1497.9	1445.5	1387.7
42.5°	1910.8	1946.3	1963.1	1958.8	1963.1	1946.3	1910.8	1858.5	1784.3	1692.4	1602.0
40°	2485.6	2542.9	2574.6	2599.8	2574.6	2542.9	2485.6	2389.1	2244.3	2069.1	1930.5
37.5°	3495.1	3606.3	3664.8	3715.7	3664.8	3606.3	3495.1	3301.5	3018.0	2680.9	2461.3
35°	5243.9	5494.0	5627.9	5674.5	5627.9	5494.0	5243.9	4838.0	4294.6	3726.1	3325.2
32.5°	8049.3	8510.6	8765.8	8962.9	8765.8	8510.6	8049.3	7292.5	6319.9	5418.8	4667.3
30°	11521.2	12128.9	12466.4	12631.2	12466.4	12128.9	11521.2	10532.9	9284.8	8018.2	6654.0
27.5°	15080.4	15771.2	16135.0	16115.4	16135.0	15771.2	15080.4	13995.6	12686.9	11117.6	9352.2
25°	18605.1	19405.3	19767.8	20092.3	19767.8	19405.3	18605.1	17365.4	15919.4	14276.5	12378.0
22.5°	22170.0	23105.6	23616.1	23855.6	23616.1	23105.6	22170.0	20784.4	19219.0	17389.6	15364.5
20°	25692.4	26734.0	27276.0	27512.0	27276.0	26734.0	25692.4	24332.8	22568.6	20494.3	18264.4
17.5°	28816.5	29833.2	30349.9	30568.8	30349.9	29833.2	28816.5	27568.7	25725.4	23530.4	21000.6
15°	31311.0	32061.0	32500.3	32616.7	32500.3	32061.0	31311.0	30238.5	28505.6	26253.6	23623.4
12.5°	33035.3	33325.8	33537.1	33602.0	33537.1	33325.8	33035.3	32140.8	30791.8	28564.5	25887.8
10°	33916.8	33785.8	33731.6	33738.5	33731.6	33785.8	33916.8	33262.7	32113.0	30341.3	27856.2
7.5°	33856.2	33662.2	33272.3	33210.2	33272.3	33662.2	33856.2	33703.4	32903.1	31423.5	29132.1
5°	33369.8	33016.4	32369.4	32183.3	32369.4	33016.4	33369.8	33429.9	33028.1	31928.9	29948.4
2.5°	32802.9	32165.8	31569.7	31186.2	31569.7	32165.8	32802.9	33067.9	32998.6	32270.1	30589.8
0°	32634.5	31898.4	31126.8	30877.5	31126.8	31898.4	32634.5	32984.7	32996.5	32397.0	30853.8
-2.5°	32802.9	32165.8	31569.7	31186.2	31569.7	32165.8	32802.9	33067.9	32998.6	32270.1	30589.8
-5°	33369.8	33016.4	32369.4	32183.3	32369.4	33016.4	33369.8	33429.9	33028.1	31928.9	29948.4
-7.5°	33856.2	33662.2	33272.3	33210.2	33272.3	33662.2	33856.2	33703.4	32903.1	31423.5	29132.1
-10°	33916.8	33785.8	33731.6	33738.5	33731.6	33785.8	33916.8	33262.7	32113.0	30341.3	27856.2
-12.5°	33035.3	33325.8	33537.1	33602.0	33537.1	33325.8	33035.3	32140.8	30791.8	28564.5	25887.8
-15°	31311.0	32061.0	32500.3	32616.7	32500.3	32061.0	31311.0	30238.5	28505.6	26253.6	23623.4
-17.5°	28816.5	29833.2	30349.9	30568.8	30349.9	29833.2	28816.5	27568.7	25725.4	23530.4	21000.6
-20°	25692.4	26734.0	27276.0	27512.0	27276.0	26734.0	25692.4	24332.8	22568.6	20494.3	18264.4



REPORT NUMBER: P627667 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-722-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°	22170.0	23105.6	23616.1	23855.6	23616.1	23105.6	22170.0	20784.4	19219.0	17389.6	15364.5
-25°	18605.1	19405.3	19767.8	20092.3	19767.8	19405.3	18605.1	17365.4	15919.4	14276.5	12378.0
-27.5°	15080.4	15771.2	16135.0	16115.4	16135.0	15771.2	15080.4	13995.6	12686.9	11117.6	9352.2
-30°	11521.2	12128.9	12466.4	12631.2	12466.4	12128.9	11521.2	10532.9	9284.8	8018.2	6654.0
-32.5°	8049.3	8510.6	8765.8	8962.9	8765.8	8510.6	8049.3	7292.5	6319.9	5418.8	4667.3
-35°	5243.9	5494.0	5627.9	5674.5	5627.9	5494.0	5243.9	4838.0	4294.6	3726.1	3325.2
-37.5°	3495.1	3606.3	3664.8	3715.7	3664.8	3606.3	3495.1	3301.5	3018.0	2680.9	2461.3
-40°	2485.6	2542.9	2574.6	2599.8	2574.6	2542.9	2485.6	2389.1	2244.3	2069.1	1930.5
-42.5°	1910.8	1946.3	1963.1	1958.8	1963.1	1946.3	1910.8	1858.5	1784.3	1692.4	1602.0
-45°	1566.2	1582.0	1593.2	1602.6	1593.2	1582.0	1566.2	1539.5	1497.9	1445.5	1387.7
-47.5°	1342.8	1350.7	1356.1	1359.3	1356.1	1350.7	1342.8	1328.5	1306.1	1275.8	1239.8
-50°	1193.8	1195.2	1195.1	1193.1	1195.1	1195.2	1193.8	1188.6	1178.5	1162.5	1143.1
-52.5°	1097.9	1096.4	1094.7	1092.2	1094.7	1096.4	1097.9	1097.0	1093.1	1083.9	1072.5
-55°	1029.0	1026.2	1023.7	1020.9	1023.7	1026.2	1029.0	1029.8	1028.3	1022.1	1014.2
-57.5°	974.2	972.5	970.4	967.5	970.4	972.5	974.2	974.2	972.4	968.0	962.0
-60°	923.1	923.9	922.7	920.0	922.7	923.9	923.1	920.2	915.0	909.1	902.3
-62.5°	858.1	862.8	863.1	860.7	863.1	862.8	858.1	851.6	843.2	835.8	827.6
-65°	776.1	780.1	782.6	783.5	782.6	780.1	776.1	770.6	763.8	756.3	746.8
-67.5°	694.8	697.2	696.9	694.5	696.9	697.2	694.8	691.1	686.3	678.8	667.7
-70°	604.2	603.1	604.7	605.4	604.7	603.1	604.2	603.7	601.6	596.1	586.2
-72.5°	514.3	514.2	513.0	510.5	513.0	514.2	514.3	513.1	510.8	506.8	500.5
-75°	425.8	425.4	424.0	421.4	424.0	425.4	425.8	425.1	423.6	420.8	415.3
-77.5°	333.4	331.0	332.0	332.4	332.0	331.0	333.4	334.8	335.2	333.8	327.9
-80°	248.1	248.2	246.1	243.4	246.1	248.2	248.1	247.4	246.0	243.8	239.7
-82.5°	170.1	171.2	169.0	166.2	169.0	171.2	170.1	168.7	166.9	164.8	161.9
-85°	95.4	94.5	91.9	89.0	91.9	94.5	95.4	96.0	96.3	96.4	93.3
-87.5°	30.9	29.6	29.7	29.7	29.7	29.6	30.9	32.2	33.3	34.4	32.5
-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: P627667 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-722-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°	30.7	28.8	26.9	27.7	28.3	28.8	29.2	28.2	27.3	26.2	25.2
85°	90.0	86.5	82.8	81.7	80.5	79.0	77.2	73.9	70.3	66.5	62.6
82.5°	158.6	154.7	150.4	147.5	144.1	140.3	136.0	129.4	122.8	116.1	109.3
80°	235.0	229.7	224.0	219.0	213.5	207.5	200.4	190.3	179.6	169.2	159.4
77.5°	321.1	313.5	305.2	296.9	288.0	278.7	268.4	255.6	242.6	229.1	215.4
75°	408.4	400.3	390.7	379.5	367.4	354.3	340.4	325.0	308.8	291.8	274.6
72.5°	493.1	484.5	474.6	462.7	448.9	433.5	416.3	397.4	377.5	356.7	336.3
70°	575.7	564.6	554.8	544.6	531.5	515.7	495.4	472.7	448.8	424.7	401.1
67.5°	655.1	641.2	631.5	622.2	610.4	595.9	574.8	550.3	523.5	495.4	467.4
65°	734.4	718.8	709.1	700.5	689.2	674.6	652.5	627.6	599.4	568.0	535.6
62.5°	817.2	804.5	793.8	781.3	767.8	751.6	729.3	703.2	674.6	641.8	604.1
60°	894.4	885.1	868.4	853.0	839.2	822.3	795.8	770.7	747.4	709.7	669.2
57.5°	954.7	943.6	928.1	912.0	895.5	873.7	850.1	826.4	799.3	767.5	729.9
55°	1004.6	992.4	977.9	962.1	944.3	919.9	895.6	870.3	844.2	817.6	780.9
52.5°	1059.5	1046.2	1029.1	1008.1	987.5	963.7	936.3	909.4	885.1	857.9	827.8
50°	1124.7	1108.5	1088.9	1066.7	1039.1	1009.3	980.6	949.2	923.7	897.3	866.6
47.5°	1212.4	1185.5	1156.6	1130.3	1096.3	1060.3	1027.2	994.9	964.7	936.2	904.9
45°	1344.2	1293.6	1239.1	1202.7	1159.5	1118.4	1076.0	1039.6	1005.0	972.8	943.5
42.5°	1533.4	1452.9	1378.4	1306.0	1236.8	1186.4	1133.5	1088.3	1046.5	1008.4	973.9
40°	1806.7	1667.8	1565.3	1451.0	1358.1	1269.2	1201.7	1140.3	1091.8	1046.5	1004.7
37.5°	2219.3	1989.7	1819.3	1640.9	1511.4	1387.9	1283.8	1203.7	1138.0	1085.5	1036.8
35°	2857.8	2499.6	2180.2	1927.8	1698.6	1535.9	1390.5	1278.3	1194.1	1125.5	1068.6
32.5°	3855.7	3287.3	2707.5	2334.4	1980.5	1714.8	1527.9	1373.4	1254.2	1172.5	1104.2
30°	5407.6	4405.6	3552.7	2856.6	2371.2	1965.3	1680.8	1491.9	1339.3	1220.1	1140.2
27.5°	7660.2	5904.6	4711.3	3626.6	2843.3	2310.1	1902.4	1618.7	1429.0	1286.7	1181.6
25°	10289.7	8188.1	6144.8	4677.8	3524.5	2699.9	2161.2	1796.3	1540.0	1356.2	1217.9
22.5°	13061.1	10596.7	8147.7	5863.2	4369.4	3270.1	2495.3	1975.4	1644.8	1430.2	1270.8
20°	15810.8	13028.2	10238.1	7625.7	5398.1	3828.3	2858.7	2213.1	1791.0	1513.2	1320.9
17.5°	18337.9	15414.7	12357.7	9337.4	6665.1	4677.2	3319.4	2453.4	1918.6	1586.9	1364.3
15°	20731.1	17644.9	14420.3	11153.3	8019.3	5424.8	3711.9	2662.8	2051.3	1672.5	1421.0
12.5°	22898.5	19647.7	16254.7	12714.4	9221.6	6262.8	4235.5	2971.4	2214.4	1761.4	1474.6
10°	24790.4	21319.4	17704.3	14026.2	10383.6	7130.2	4730.5	3234.6	2355.6	1835.0	1518.4
7.5°	26149.1	22635.6	18856.0	15086.5	11328.9	7875.7	5151.3	3442.9	2466.5	1891.5	1552.1
5°	27148.1	23662.1	19816.1	15948.1	12030.6	8433.0	5465.5	3589.5	2545.8	1930.5	1575.5
2.5°	27833.4	24311.6	20458.7	16513.3	12437.8	8760.3	5665.7	3668.2	2583.3	1961.2	1588.4
0°	28028.4	24496.6	20620.6	16809.9	12500.6	8802.6	5745.8	3680.1	2582.0	1976.6	1590.8
-2.5°	27833.4	24311.6	20458.7	16513.3	12437.8	8760.3	5665.7	3668.2	2583.3	1961.2	1588.4
-5°	27148.1	23662.1	19816.1	15948.1	12030.6	8433.0	5465.5	3589.5	2545.8	1930.5	1575.5
-7.5°	26149.1	22635.6	18856.0	15086.5	11328.9	7875.7	5151.3	3442.9	2466.5	1891.5	1552.1
-10°	24790.4	21319.4	17704.3	14026.2	10383.6	7130.2	4730.5	3234.6	2355.6	1835.0	1518.4
-12.5°	22898.5	19647.7	16254.7	12714.4	9221.6	6262.8	4235.5	2971.4	2214.4	1761.4	1474.6
-15°	20731.1	17644.9	14420.3	11153.3	8019.3	5424.8	3711.9	2662.8	2051.3	1672.5	1421.0
-17.5°	18337.9	15414.7	12357.7	9337.4	6665.1	4677.2	3319.4	2453.4	1918.6	1586.9	1364.3
-20°	15810.8	13028.2	10238.1	7625.7	5398.1	3828.3	2858.7	2213.1	1791.0	1513.2	1320.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627667 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13061.1	10596.7	8147.7	5863.2	4369.4	3270.1	2495.3	1975.4	1644.8	1430.2	1270.8
-25°	10289.7	8188.1	6144.8	4677.8	3524.5	2699.9	2161.2	1796.3	1540.0	1356.2	1217.9
-27.5°	7660.2	5904.6	4711.3	3626.6	2843.3	2310.1	1902.4	1618.7	1429.0	1286.7	1181.6
-30°	5407.6	4405.6	3552.7	2856.6	2371.2	1965.3	1680.8	1491.9	1339.3	1220.1	1140.2
-32.5°	3855.7	3287.3	2707.5	2334.4	1980.5	1714.8	1527.9	1373.4	1254.2	1172.5	1104.2
-35°	2857.8	2499.6	2180.2	1927.8	1698.6	1535.9	1390.5	1278.3	1194.1	1125.5	1068.6
-37.5°	2219.3	1989.7	1819.3	1640.9	1511.4	1387.9	1283.8	1203.7	1138.0	1085.5	1036.8
-40°	1806.7	1667.8	1565.3	1451.0	1358.1	1269.2	1201.7	1140.3	1091.8	1046.5	1004.7
-42.5°	1533.4	1452.9	1378.4	1306.0	1236.8	1186.4	1133.5	1088.3	1046.5	1008.4	973.9
-45°	1344.2	1293.6	1239.1	1202.7	1159.5	1118.4	1076.0	1039.6	1005.0	972.8	943.5
-47.5°	1212.4	1185.5	1156.6	1130.3	1096.3	1060.3	1027.2	994.9	964.7	936.2	904.9
-50°	1124.7	1108.5	1088.9	1066.7	1039.1	1009.3	980.6	949.2	923.7	897.3	866.6
-52.5°	1059.5	1046.2	1029.1	1008.1	987.5	963.7	936.3	909.4	885.1	857.9	827.8
-55°	1004.6	992.4	977.9	962.1	944.3	919.9	895.6	870.3	844.2	817.6	780.9
-57.5°	954.7	943.6	928.1	912.0	895.5	873.7	850.1	826.4	799.3	767.5	729.9
-60°	894.4	885.1	868.4	853.0	839.2	822.3	795.8	770.7	747.4	709.7	669.2
-62.5°	817.2	804.5	793.8	781.3	767.8	751.6	729.3	703.2	674.6	641.8	604.1
-65°	734.4	718.8	709.1	700.5	689.2	674.6	652.5	627.6	599.4	568.0	535.6
-67.5°	655.1	641.2	631.5	622.2	610.4	595.9	574.8	550.3	523.5	495.4	467.4
-70°	575.7	564.6	554.8	544.6	531.5	515.7	495.4	472.7	448.8	424.7	401.1
-72.5°	493.1	484.5	474.6	462.7	448.9	433.5	416.3	397.4	377.5	356.7	336.3
-75°	408.4	400.3	390.7	379.5	367.4	354.3	340.4	325.0	308.8	291.8	274.6
-77.5°	321.1	313.5	305.2	296.9	288.0	278.7	268.4	255.6	242.6	229.1	215.4
-80°	235.0	229.7	224.0	219.0	213.5	207.5	200.4	190.3	179.6	169.2	159.4
-82.5°	158.6	154.7	150.4	147.5	144.1	140.3	136.0	129.4	122.8	116.1	109.3
-85°	90.0	86.5	82.8	81.7	80.5	79.0	77.2	73.9	70.3	66.5	62.6
-87.5°	30.7	28.8	26.9	27.7	28.3	28.8	29.2	28.2	27.3	26.2	25.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627667 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-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°	24.0	22.9	21.7	20.4	19.1	17.8	16.4	15.0	13.1	11.2	9.4
85°	58.5	54.2	49.7	45.1	40.3	35.6	32.8	30.0	26.1	22.3	18.7
82.5°	102.6	96.0	89.3	82.4	74.4	66.5	58.8	51.3	42.9	34.0	28.0
80°	150.4	141.0	131.3	121.1	109.5	97.3	86.5	76.1	65.9	55.1	43.6
77.5°	202.3	188.6	174.5	161.5	148.1	133.7	118.5	102.7	88.9	76.1	62.5
75°	257.7	241.1	224.1	206.6	188.5	170.2	152.7	134.5	116.1	97.4	81.2
72.5°	316.6	296.0	274.7	252.9	231.9	210.2	188.1	166.0	144.6	122.9	100.8
70°	376.9	351.9	327.1	302.5	276.8	250.1	224.8	198.8	172.8	148.0	122.9
67.5°	438.6	410.4	381.2	352.3	323.7	293.6	261.9	231.5	201.8	172.8	144.6
65°	503.4	470.0	435.7	402.9	370.2	337.4	302.7	264.8	230.3	197.8	166.0
62.5°	567.1	530.7	492.2	453.1	415.9	379.6	342.8	300.6	258.9	222.2	187.0
60°	629.0	588.1	546.7	503.5	461.1	420.4	379.5	335.4	290.0	245.9	207.6
57.5°	685.7	642.8	596.5	551.0	505.4	460.3	415.1	368.2	320.1	271.8	227.6
55°	738.9	692.2	643.9	594.7	546.8	498.8	449.7	399.8	349.2	297.5	247.2
52.5°	788.9	740.1	688.8	636.6	584.7	535.2	483.4	430.4	376.7	322.3	268.7
50°	832.5	786.6	732.4	677.2	621.1	568.7	516.1	460.1	403.4	346.1	289.7
47.5°	869.2	827.0	774.6	716.5	657.5	601.6	546.7	488.7	429.1	369.0	309.8
45°	905.1	864.4	813.7	754.4	693.5	634.4	576.1	516.3	453.9	391.1	329.0
42.5°	938.7	898.1	850.8	790.7	727.8	665.9	604.7	542.3	477.6	412.0	347.3
40°	967.3	927.5	885.6	825.8	760.2	695.6	631.9	567.3	500.2	432.0	364.7
37.5°	995.2	954.4	911.2	858.8	790.7	723.5	657.4	591.4	522.1	451.4	381.0
35°	1022.2	980.0	934.2	884.3	819.0	749.6	681.2	613.8	542.5	469.8	396.2
32.5°	1046.2	1003.0	955.4	905.0	845.0	773.6	703.2	633.6	561.5	487.2	410.4
30°	1075.0	1022.2	974.5	925.4	867.3	795.6	723.6	652.0	579.0	503.7	423.7
27.5°	1102.5	1040.7	991.6	942.3	884.8	815.6	742.5	669.1	595.0	518.7	436.9
25°	1129.0	1061.9	1007.4	956.4	901.6	834.8	759.9	684.7	609.2	531.7	449.0
22.5°	1159.5	1081.3	1022.2	968.7	917.7	852.1	775.6	698.8	621.8	543.5	460.2
20°	1186.7	1097.3	1035.8	980.3	929.7	865.1	789.6	711.4	633.0	553.8	470.2
17.5°	1213.2	1115.5	1049.2	991.4	938.7	876.6	801.9	722.4	642.8	562.8	479.1
15°	1250.1	1136.3	1060.8	1000.9	946.3	886.3	812.4	731.9	651.2	570.4	487.1
12.5°	1281.7	1153.7	1070.4	1008.7	952.5	894.4	821.2	739.7	658.2	577.2	494.2
10°	1307.3	1167.7	1077.9	1014.8	957.3	900.7	828.1	746.3	664.7	583.1	500.1
7.5°	1326.8	1178.0	1083.2	1019.0	960.6	905.3	834.4	752.2	670.0	587.7	504.6
5°	1340.0	1184.8	1087.7	1021.5	962.4	908.1	839.1	756.4	673.7	591.0	507.9
2.5°	1346.9	1187.8	1091.0	1022.1	962.7	909.1	842.0	759.0	675.9	592.9	509.8
0°	1347.4	1187.1	1092.2	1020.9	961.6	908.2	842.9	759.8	676.7	593.6	510.5
-2.5°	1346.9	1187.8	1091.0	1022.1	962.7	909.1	842.0	759.0	675.9	592.9	509.8
-5°	1340.0	1184.8	1087.7	1021.5	962.4	908.1	839.1	756.4	673.7	591.0	507.9
-7.5°	1326.8	1178.0	1083.2	1019.0	960.6	905.3	834.4	752.2	670.0	587.7	504.6
-10°	1307.3	1167.7	1077.9	1014.8	957.3	900.7	828.1	746.3	664.7	583.1	500.1
-12.5°	1281.7	1153.7	1070.4	1008.7	952.5	894.4	821.2	739.7	658.2	577.2	494.2
-15°	1250.1	1136.3	1060.8	1000.9	946.3	886.3	812.4	731.9	651.2	570.4	487.1
-17.5°	1213.2	1115.5	1049.2	991.4	938.7	876.6	801.9	722.4	642.8	562.8	479.1
-20°	1186.7	1097.3	1035.8	980.3	929.7	865.1	789.6	711.4	633.0	553.8	470.2

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

Scaled Data Report



REPORT NUMBER: P627667 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-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°	1159.5	1081.3	1022.2	968.7	917.7	852.1	775.6	698.8	621.8	543.5	460.2
-25°	1129.0	1061.9	1007.4	956.4	901.6	834.8	759.9	684.7	609.2	531.7	449.0
-27.5°	1102.5	1040.7	991.6	942.3	884.8	815.6	742.5	669.1	595.0	518.7	436.9
-30°	1075.0	1022.2	974.5	925.4	867.3	795.6	723.6	652.0	579.0	503.7	423.7
-32.5°	1046.2	1003.0	955.4	905.0	845.0	773.6	703.2	633.6	561.5	487.2	410.4
-35°	1022.2	980.0	934.2	884.3	819.0	749.6	681.2	613.8	542.5	469.8	396.2
-37.5°	995.2	954.4	911.2	858.8	790.7	723.5	657.4	591.4	522.1	451.4	381.0
-40°	967.3	927.5	885.6	825.8	760.2	695.6	631.9	567.3	500.2	432.0	364.7
-42.5°	938.7	898.1	850.8	790.7	727.8	665.9	604.7	542.3	477.6	412.0	347.3
-45°	905.1	864.4	813.7	754.4	693.5	634.4	576.1	516.3	453.9	391.1	329.0
-47.5°	869.2	827.0	774.6	716.5	657.5	601.6	546.7	488.7	429.1	369.0	309.8
-50°	832.5	786.6	732.4	677.2	621.1	568.7	516.1	460.1	403.4	346.1	289.7
-52.5°	788.9	740.1	688.8	636.6	584.7	535.2	483.4	430.4	376.7	322.3	268.7
-55°	738.9	692.2	643.9	594.7	546.8	498.8	449.7	399.8	349.2	297.5	247.2
-57.5°	685.7	642.8	596.5	551.0	505.4	460.3	415.1	368.2	320.1	271.8	227.6
-60°	629.0	588.1	546.7	503.5	461.1	420.4	379.5	335.4	290.0	245.9	207.6
-62.5°	567.1	530.7	492.2	453.1	415.9	379.6	342.8	300.6	258.9	222.2	187.0
-65°	503.4	470.0	435.7	402.9	370.2	337.4	302.7	264.8	230.3	197.8	166.0
-67.5°	438.6	410.4	381.2	352.3	323.7	293.6	261.9	231.5	201.8	172.8	144.6
-70°	376.9	351.9	327.1	302.5	276.8	250.1	224.8	198.8	172.8	148.0	122.9
-72.5°	316.6	296.0	274.7	252.9	231.9	210.2	188.1	166.0	144.6	122.9	100.8
-75°	257.7	241.1	224.1	206.6	188.5	170.2	152.7	134.5	116.1	97.4	81.2
-77.5°	202.3	188.6	174.5	161.5	148.1	133.7	118.5	102.7	88.9	76.1	62.5
-80°	150.4	141.0	131.3	121.1	109.5	97.3	86.5	76.1	65.9	55.1	43.6
-82.5°	102.6	96.0	89.3	82.4	74.4	66.5	58.8	51.3	42.9	34.0	28.0
-85°	58.5	54.2	49.7	45.1	40.3	35.6	32.8	30.0	26.1	22.3	18.7
-87.5°	24.0	22.9	21.7	20.4	19.1	17.8	16.4	15.0	13.1	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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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627667 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-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	6.4	5.2	3.9	2.6	1.3	0.0
85°	15.4	12.8	10.3	7.7	5.2	2.6	0.0
82.5°	23.0	19.2	15.4	11.6	7.7	3.9	0.0
80°	31.7	25.6	20.5	15.4	10.3	5.2	0.0
77.5°	48.3	34.5	25.6	19.2	12.8	6.4	0.0
75°	64.7	48.3	31.7	23.0	15.4	7.7	0.0
72.5°	81.0	61.9	42.6	26.7	17.8	8.9	0.0
70°	97.4	75.3	53.3	31.2	20.3	10.2	0.0
67.5°	115.9	88.5	63.9	39.2	22.7	11.4	0.0
65°	134.1	102.4	74.3	47.0	25.1	12.5	0.0
62.5°	151.8	117.0	84.5	54.7	27.4	13.7	0.0
60°	169.0	131.2	94.5	62.1	29.7	14.8	0.0
57.5°	186.3	145.0	105.4	69.4	34.4	16.0	0.0
55°	203.2	158.4	115.9	76.5	39.1	17.0	0.0
52.5°	219.8	171.4	126.2	83.4	43.6	18.1	0.0
50°	235.9	184.9	136.0	90.1	47.9	19.1	0.0
47.5°	251.7	198.0	145.5	96.7	52.0	20.1	0.0
45°	268.2	210.6	154.5	103.4	56.0	21.0	0.0
42.5°	283.8	222.8	163.1	109.9	59.7	21.9	0.0
40°	298.6	234.5	171.8	115.8	63.3	22.7	0.0
37.5°	312.6	245.6	180.7	121.4	66.6	23.6	0.0
35°	325.7	256.5	189.1	126.6	69.7	24.3	0.0
32.5°	338.0	266.7	197.0	131.5	72.6	25.0	0.0
30°	349.3	276.3	204.4	136.0	75.3	25.7	0.0
27.5°	359.7	285.0	211.0	140.1	77.7	26.3	0.0
25°	369.1	293.0	217.0	143.9	79.9	26.9	0.0
22.5°	377.5	300.1	222.4	147.4	81.9	27.4	0.0
20°	385.0	306.2	227.2	150.4	83.6	27.9	0.0
17.5°	391.8	311.5	231.4	153.0	85.1	28.3	0.0
15°	397.9	316.0	235.0	155.3	86.4	28.7	0.0
12.5°	403.1	319.7	238.0	157.1	87.4	29.0	0.0
10°	407.5	322.7	240.4	158.6	88.2	29.2	0.0
7.5°	410.9	324.8	242.1	159.6	88.8	29.4	0.0
5°	413.5	326.2	243.2	160.3	89.1	29.6	0.0
2.5°	415.0	326.8	243.6	160.5	89.1	29.7	0.0
0°	415.5	326.5	243.4	160.3	89.0	29.7	0.0
-2.5°	415.0	326.8	243.6	160.5	89.1	29.7	0.0
-5°	413.5	326.2	243.2	160.3	89.1	29.6	0.0
-7.5°	410.9	324.8	242.1	159.6	88.8	29.4	0.0
-10°	407.5	322.7	240.4	158.6	88.2	29.2	0.0
-12.5°	403.1	319.7	238.0	157.1	87.4	29.0	0.0
-15°	397.9	316.0	235.0	155.3	86.4	28.7	0.0
-17.5°	391.8	311.5	231.4	153.0	85.1	28.3	0.0
-20°	385.0	306.2	227.2	150.4	83.6	27.9	0.0

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

Scaled Data Report



REPORT NUMBER: P627667 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	377.5	300.1	222.4	147.4	81.9	27.4	0.0
-25°	369.1	293.0	217.0	143.9	79.9	26.9	0.0
-27.5°	359.7	285.0	211.0	140.1	77.7	26.3	0.0
-30°	349.3	276.3	204.4	136.0	75.3	25.7	0.0
-32.5°	338.0	266.7	197.0	131.5	72.6	25.0	0.0
-35°	325.7	256.5	189.1	126.6	69.7	24.3	0.0
-37.5°	312.6	245.6	180.7	121.4	66.6	23.6	0.0
-40°	298.6	234.5	171.8	115.8	63.3	22.7	0.0
-42.5°	283.8	222.8	163.1	109.9	59.7	21.9	0.0
-45°	268.2	210.6	154.5	103.4	56.0	21.0	0.0
-47.5°	251.7	198.0	145.5	96.7	52.0	20.1	0.0
-50°	235.9	184.9	136.0	90.1	47.9	19.1	0.0
-52.5°	219.8	171.4	126.2	83.4	43.6	18.1	0.0
-55°	203.2	158.4	115.9	76.5	39.1	17.0	0.0
-57.5°	186.3	145.0	105.4	69.4	34.4	16.0	0.0
-60°	169.0	131.2	94.5	62.1	29.7	14.8	0.0
-62.5°	151.8	117.0	84.5	54.7	27.4	13.7	0.0
-65°	134.1	102.4	74.3	47.0	25.1	12.5	0.0
-67.5°	115.9	88.5	63.9	39.2	22.7	11.4	0.0
-70°	97.4	75.3	53.3	31.2	20.3	10.2	0.0
-72.5°	81.0	61.9	42.6	26.7	17.8	8.9	0.0
-75°	64.7	48.3	31.7	23.0	15.4	7.7	0.0
-77.5°	48.3	34.5	25.6	19.2	12.8	6.4	0.0
-80°	31.7	25.6	20.5	15.4	10.3	5.2	0.0
-82.5°	23.0	19.2	15.4	11.6	7.7	3.9	0.0
-85°	15.4	12.8	10.3	7.7	5.2	2.6	0.0
-87.5°	7.7	6.4	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)