

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: P626810 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1E-740-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P626810 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA1E-740-U-VWR-VSR-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	5849.1 lumens	Max Intensity:	4382.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	88.4 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	3384.1 lumens	Field Lumens:	5550.4 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	66.2		
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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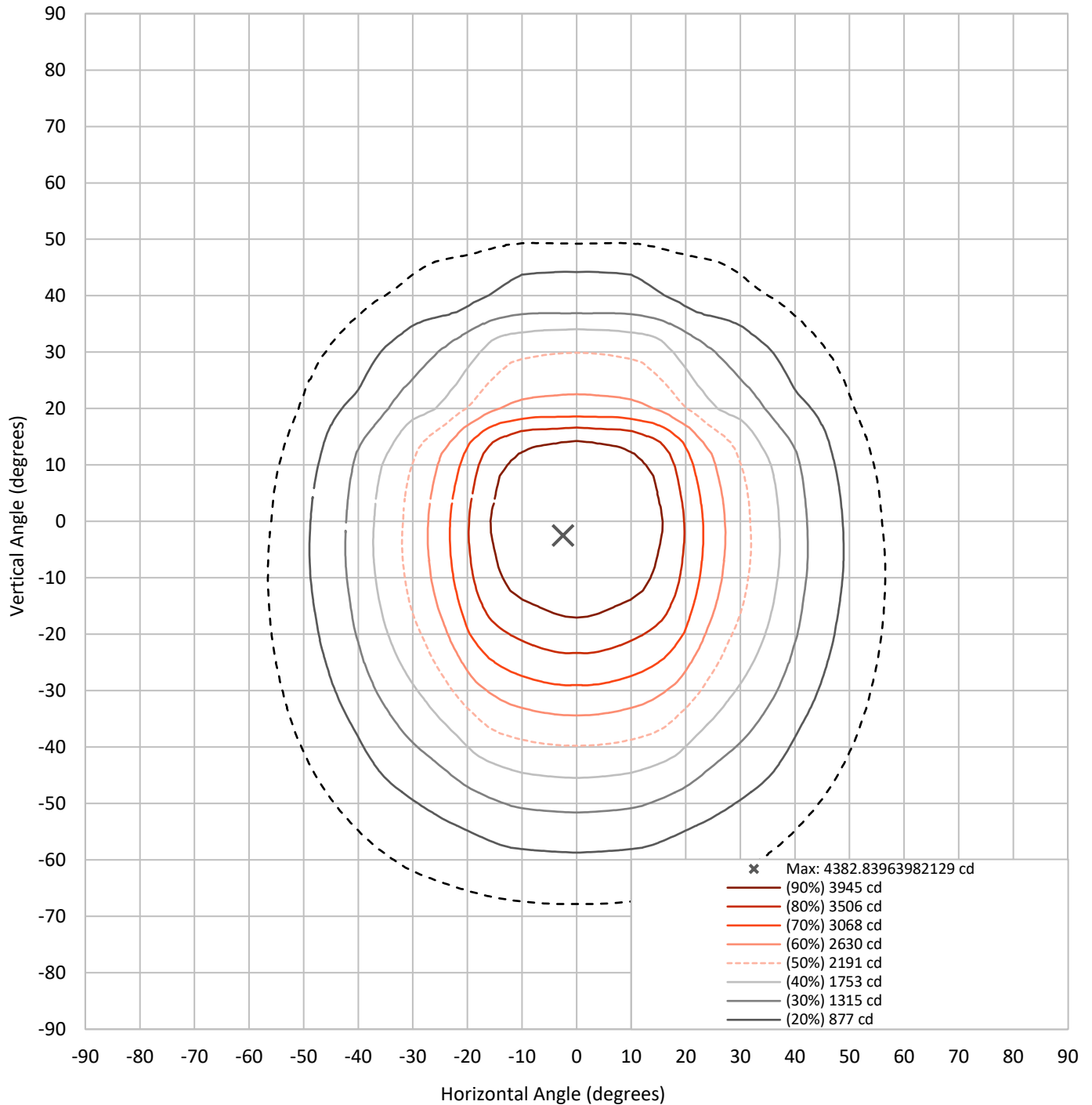
Scaled Data Report



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CATALOG NUMBER: GFLD-SA1E-740-U-VWR-VSR-XX

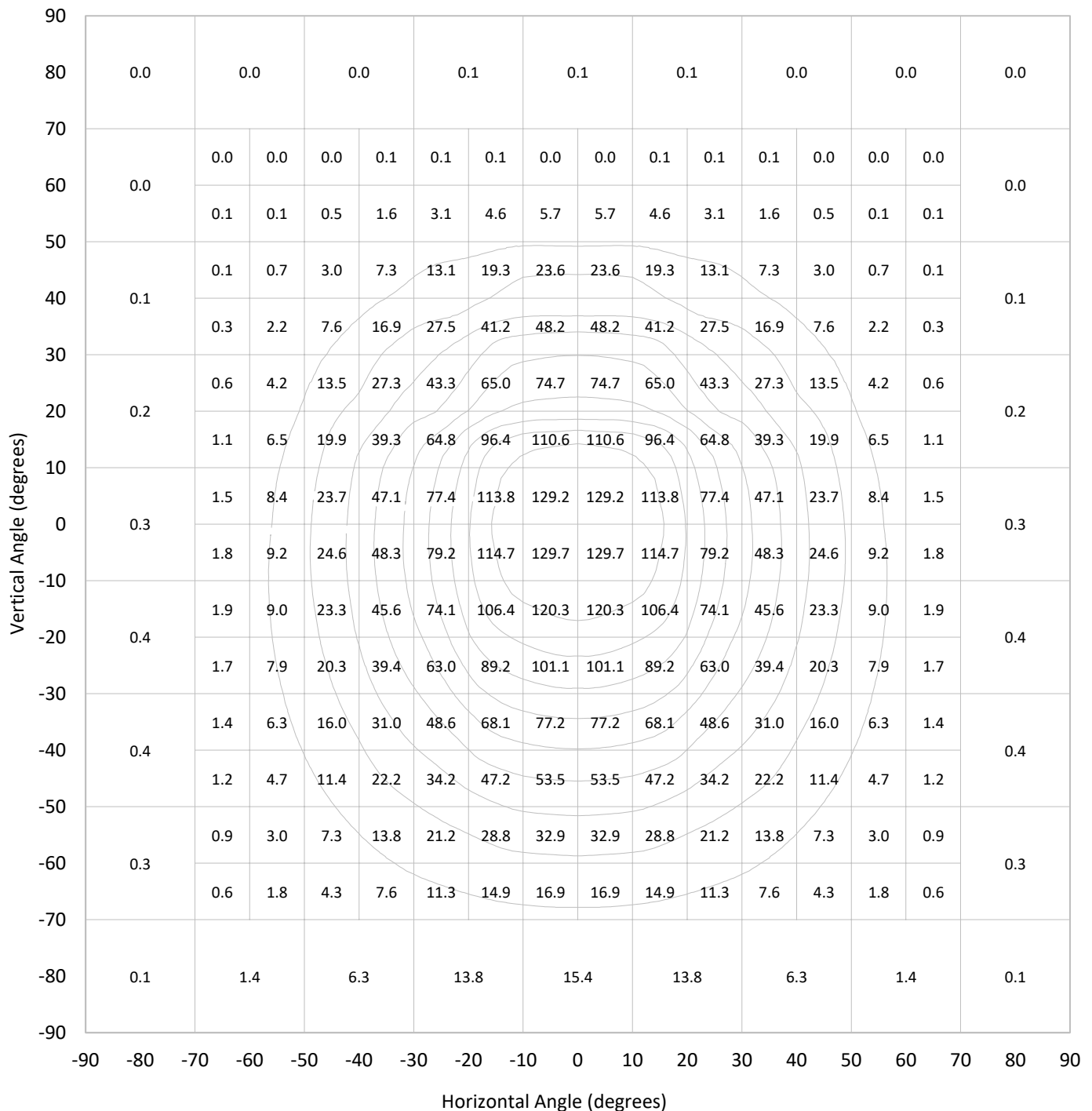
### Iso-Candela Plot





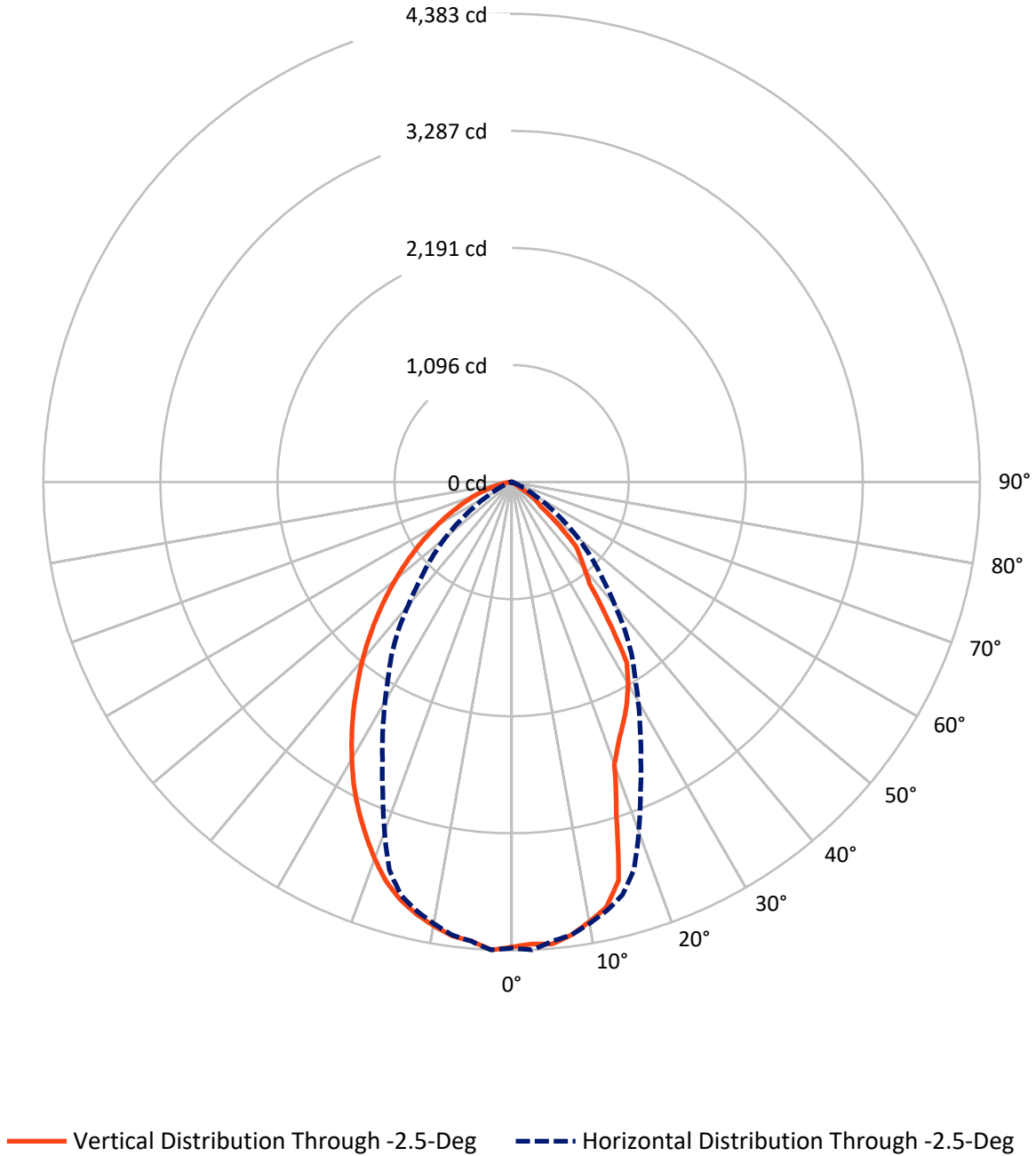
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### Lumen Table



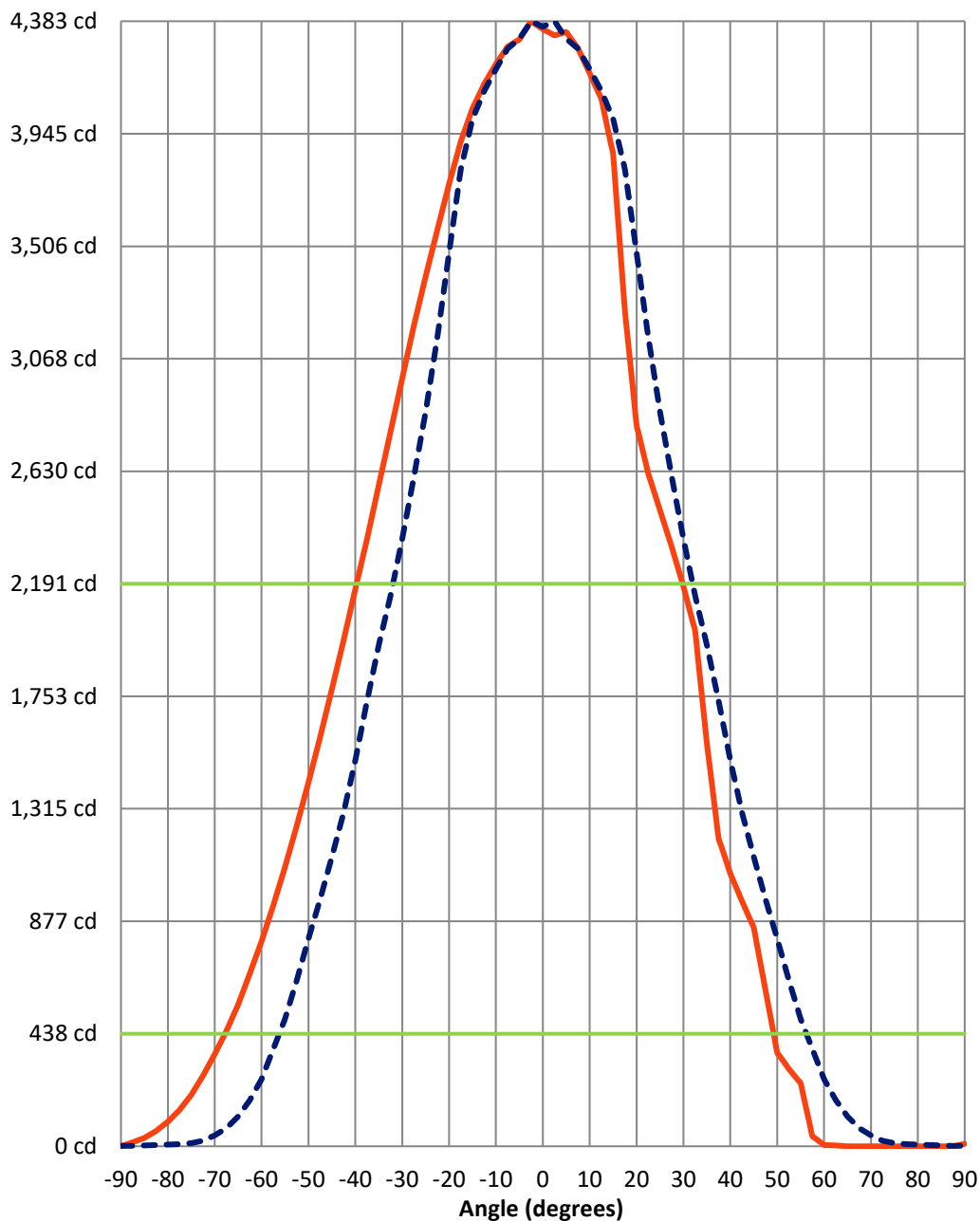
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 3384.1  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 5550.4  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 298.7  
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through -2.5-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°	1.6	1.6	1.6	2.0	2.5	2.9	3.3	3.7	4.1	4.5	4.9
87.5°	1.6	1.6	1.6	1.5	1.5	1.3	1.2	0.8	0.5	0.2	0.0
85°	1.6	1.6	1.6	1.5	1.3	1.1	0.8	0.5	0.3	0.1	0.0
82.5°	1.6	1.6	1.6	1.4	1.2	0.8	0.4	0.1	0.0	0.2	0.4
80°	1.6	1.6	1.6	1.4	1.1	0.6	0.1	0.3	0.6	0.8	1.1
77.5°	1.6	1.6	1.6	1.4	0.9	0.5	0.5	0.8	1.1	1.4	1.4
75°	1.6	1.6	1.6	1.3	0.9	0.8	0.9	1.3	1.6	1.3	0.8
72.5°	1.6	1.6	1.6	1.3	1.0	1.0	1.3	1.6	1.4	0.9	0.3
70°	1.6	1.6	1.6	1.3	1.1	1.3	1.6	1.5	1.2	0.6	0.7
67.5°	1.6	1.6	1.6	1.3	1.3	1.5	1.7	1.5	1.0	1.3	1.4
65°	1.6	1.6	1.6	1.4	1.4	1.7	1.7	1.5	1.6	1.9	2.0
62.5°	1.6	1.6	1.6	1.4	1.5	1.8	1.8	1.8	2.2	2.5	2.2
60°	1.6	1.6	1.6	1.5	1.6	1.9	1.9	2.3	2.8	2.8	2.5
57.5°	1.6	1.6	1.6	1.5	1.8	2.1	2.3	2.8	3.2	3.3	3.2
55°	1.6	1.6	1.6	1.5	1.9	2.3	2.7	3.3	3.7	3.8	4.0
52.5°	1.6	1.6	1.7	1.6	2.1	2.5	3.2	3.8	4.3	4.5	4.7
50°	1.6	1.6	1.7	1.6	2.3	2.8	3.6	4.3	4.8	5.2	5.5
47.5°	1.6	1.6	1.8	1.6	2.5	3.2	4.0	4.7	5.4	5.9	6.3
45°	1.6	1.6	1.8	1.8	2.7	3.5	4.3	5.1	6.0	6.5	7.1
42.5°	1.6	1.6	1.9	2.0	2.9	3.8	4.7	5.6	6.6	7.2	8.6
40°	1.6	1.6	1.9	2.2	3.1	4.1	5.1	6.2	7.3	7.9	10.2
37.5°	1.6	1.6	2.0	2.4	3.4	4.4	5.4	6.8	8.0	9.0	11.9
35°	1.6	1.6	2.1	2.6	3.6	4.7	5.7	7.4	8.7	11.1	15.1
32.5°	1.6	1.6	2.1	2.8	3.8	4.9	6.1	8.0	9.4	13.5	21.6
30°	1.6	1.6	2.2	3.0	4.0	5.2	6.6	8.6	10.2	16.2	27.9
27.5°	1.6	1.6	2.3	3.2	4.3	5.4	7.1	9.2	11.6	19.3	33.9
25°	1.6	1.6	2.4	3.4	4.5	5.7	7.6	9.9	13.9	23.8	39.9
22.5°	1.6	1.6	2.5	3.6	4.8	5.9	8.0	10.5	16.4	28.7	47.8
20°	1.6	1.6	2.6	3.8	5.0	6.2	8.5	11.2	19.0	33.3	55.6
17.5°	1.6	1.6	2.7	3.9	5.2	6.5	9.0	11.8	21.6	37.8	63.3
15°	1.6	1.6	2.8	4.1	5.4	6.8	9.5	12.6	24.3	41.9	70.8
12.5°	1.6	1.6	2.9	4.3	5.6	7.1	9.9	13.8	27.2	45.7	77.9
10°	1.6	1.6	3.0	4.4	5.8	7.3	10.3	15.0	30.3	50.2	85.1
7.5°	1.6	1.6	3.1	4.5	6.0	7.6	10.6	16.2	33.3	54.5	92.7
5°	1.6	1.6	3.1	4.7	6.2	7.8	11.0	17.4	36.1	58.5	99.6
2.5°	1.6	1.6	3.2	4.8	6.4	8.0	11.3	18.5	38.6	62.1	105.9
0°	1.6	1.6	3.3	4.9	6.5	8.2	11.5	19.6	40.9	65.4	111.3
-2.5°	1.6	1.6	3.3	4.9	6.6	8.4	12.1	21.6	42.5	70.6	116.2
-5°	1.6	1.6	3.3	4.9	6.8	8.5	12.7	23.4	43.8	75.1	120.2
-7.5°	1.6	1.6	3.3	4.9	6.9	8.7	13.2	25.0	44.8	78.8	123.3
-10°	1.6	1.6	3.2	4.8	7.0	8.8	13.6	26.4	45.6	81.5	125.6
-12.5°	1.6	1.6	3.2	4.8	7.0	8.9	14.0	27.3	46.1	82.9	127.3
-15°	1.6	1.6	3.2	4.7	7.0	9.0	14.2	28.0	47.1	82.7	128.0
-17.5°	1.6	1.6	3.1	4.7	7.0	9.0	14.2	28.6	48.5	81.9	127.2
-20°	1.6	1.6	3.1	4.6	7.0	9.1	14.6	29.1	49.4	80.4	124.8

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	1.6	1.6	3.0	4.5	6.9	9.1	15.5	29.4	49.8	78.3	120.9
-25°	1.6	1.6	3.0	4.4	6.8	9.7	16.3	29.3	49.6	75.5	115.2
-27.5°	1.6	1.6	2.9	4.4	6.6	10.5	16.9	28.9	48.9	73.1	111.1
-30°	1.6	1.6	2.8	4.3	6.5	11.2	17.3	28.1	48.0	72.0	106.4
-32.5°	1.6	1.6	2.8	4.1	6.7	11.7	17.5	28.1	46.9	70.2	101.2
-35°	1.6	1.6	2.7	4.0	6.9	12.1	17.9	28.3	45.3	67.7	95.3
-37.5°	1.6	1.6	2.6	3.9	7.0	12.4	18.4	28.2	43.2	64.4	92.7
-40°	1.6	1.6	2.5	3.8	7.0	12.5	18.7	27.8	40.6	61.3	89.8
-42.5°	1.6	1.6	2.4	3.7	7.1	12.5	18.8	27.1	39.2	58.7	85.3
-45°	1.6	1.6	2.3	3.7	7.1	12.4	18.7	26.5	38.1	55.6	79.8
-47.5°	1.6	1.6	2.2	3.7	7.1	12.2	18.4	26.2	36.7	51.9	75.4
-50°	1.6	1.6	2.1	3.6	7.0	11.9	18.0	25.5	35.6	50.5	70.1
-52.5°	1.6	1.6	2.0	3.6	6.7	11.6	17.5	24.6	34.7	48.7	64.5
-55°	1.6	1.6	1.8	3.5	6.5	11.1	16.9	23.5	33.6	46.5	61.8
-57.5°	1.6	1.6	1.7	3.3	6.1	10.5	16.2	22.5	32.0	44.2	58.6
-60°	1.6	1.6	1.6	3.2	5.7	9.8	15.3	21.4	30.0	41.4	54.9
-62.5°	1.6	1.6	1.6	3.0	5.4	8.9	14.1	20.0	27.5	38.2	50.7
-65°	1.6	1.6	1.6	2.8	5.0	8.0	12.7	18.1	24.5	33.9	45.8
-67.5°	1.6	1.6	1.6	2.6	4.6	7.2	11.1	15.9	21.0	28.9	39.4
-70°	1.6	1.6	1.6	2.3	4.2	6.5	9.5	13.5	18.0	23.3	31.8
-72.5°	1.6	1.6	1.6	2.3	3.7	5.8	8.4	11.1	14.9	19.3	24.4
-75°	1.6	1.6	1.6	2.3	3.2	5.1	7.3	9.3	11.6	15.2	19.4
-77.5°	1.6	1.6	1.6	2.2	3.1	4.3	6.2	7.8	9.6	11.5	14.2
-80°	1.6	1.6	1.6	2.2	3.0	3.9	5.0	6.3	7.7	9.3	10.9
-82.5°	1.6	1.6	1.6	2.2	2.8	3.6	4.5	5.1	5.8	7.0	8.2
-85°	1.6	1.6	1.6	2.1	2.7	3.4	4.1	4.7	5.2	5.7	6.2
-87.5°	1.6	1.6	1.6	2.1	2.6	3.1	3.7	4.2	4.6	5.1	5.6
-90°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.2	0.8	0.4	0.0





REPORT NUMBER: P626810 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.3	5.7	6.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.1	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.9	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.3	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.9	1.0	0.7	0.3	0.0	0.1	0.2	0.2	0.0	0.1	0.2
67.5°	1.5	1.1	0.7	0.5	0.6	0.8	0.8	0.8	0.9	0.9	0.8
65°	1.6	1.2	1.2	1.4	1.6	1.8	1.9	2.0	1.7	1.4	1.5
62.5°	1.7	1.8	2.1	2.4	2.6	2.9	2.9	2.5	1.9	2.4	2.8
60°	2.4	2.7	3.0	3.3	3.7	3.8	3.7	3.7	4.1	4.8	9.2
57.5°	3.3	3.5	3.9	4.4	4.9	4.9	5.1	5.5	12.9	21.2	23.4
55°	4.1	4.3	5.0	5.8	6.3	6.2	8.9	18.9	28.5	39.5	43.6
52.5°	5.0	5.3	6.5	7.5	8.1	12.6	22.7	36.2	50.4	63.1	79.4
50°	5.8	7.0	8.2	9.7	15.4	27.1	41.9	60.4	81.8	102.0	122.7
47.5°	7.3	8.8	10.6	15.2	30.3	46.7	67.2	96.8	123.3	147.7	176.0
45°	9.0	12.1	14.2	30.1	47.7	68.8	103.5	139.7	163.7	196.4	246.6
42.5°	10.8	16.7	27.0	45.5	66.9	101.0	144.0	174.9	206.8	259.8	312.5
40°	15.5	22.4	40.8	62.8	89.9	139.6	183.7	218.7	262.2	321.0	376.1
37.5°	21.2	34.3	54.8	81.2	126.0	180.4	227.6	277.6	327.7	383.1	485.2
35°	27.6	45.2	72.6	108.2	162.1	225.7	281.9	337.7	395.5	504.6	605.9
32.5°	35.9	55.3	91.1	139.6	201.0	270.9	336.2	400.7	493.3	616.7	718.4
30°	44.9	71.5	112.5	168.6	237.8	312.2	390.8	468.9	591.5	693.6	804.0
27.5°	54.3	88.7	137.6	199.0	272.1	351.3	440.0	551.4	660.7	761.6	883.0
25°	63.9	106.5	160.5	228.0	305.9	393.5	495.5	631.2	716.7	828.3	954.9
22.5°	76.2	123.6	183.2	254.3	337.3	436.9	567.0	703.3	803.9	897.7	1021.4
20°	90.5	142.8	207.9	287.2	368.0	479.2	638.1	781.4	899.8	1007.2	1120.8
17.5°	103.9	160.8	234.3	320.9	412.7	533.5	707.8	866.4	996.7	1116.4	1258.2
15°	116.2	177.4	260.2	352.7	456.6	595.8	770.3	944.5	1093.3	1228.0	1389.1
12.5°	127.5	192.6	285.1	382.5	497.9	649.4	822.8	992.9	1156.4	1331.9	1514.7
10°	137.7	206.2	308.7	410.0	536.2	694.8	866.2	1033.2	1198.1	1383.9	1587.0
7.5°	148.6	219.0	330.1	435.0	571.1	732.3	900.8	1065.5	1231.9	1425.4	1634.0
5°	158.7	230.8	347.0	452.9	598.0	761.5	926.9	1090.1	1257.5	1456.4	1669.6
2.5°	167.6	240.7	360.9	466.9	618.1	783.0	943.8	1110.6	1276.5	1481.6	1696.7
0°	175.1	248.7	371.4	477.7	633.2	798.4	953.8	1124.0	1287.6	1498.7	1714.6
-2.5°	179.9	261.8	378.6	496.5	646.4	808.5	962.7	1127.8	1299.5	1504.1	1734.7
-5°	183.3	272.5	383.0	511.0	655.0	812.9	965.7	1124.8	1302.7	1502.7	1737.6
-7.5°	185.2	280.0	385.1	519.3	658.1	810.3	960.7	1119.3	1297.5	1497.6	1724.7
-10°	186.3	282.3	387.8	516.8	654.0	801.5	949.6	1106.3	1282.7	1480.8	1700.0
-12.5°	189.4	280.8	387.4	511.3	645.4	788.3	933.2	1085.7	1257.9	1452.3	1665.9
-15°	190.2	277.4	382.7	503.2	632.3	770.9	911.7	1057.5	1227.5	1424.5	1628.1
-17.5°	188.5	272.3	373.6	492.9	614.6	749.9	886.4	1032.1	1198.9	1392.4	1588.5
-20°	184.1	265.7	360.0	480.7	593.7	726.6	861.1	1005.4	1166.0	1347.9	1544.1

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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	177.0	257.7	345.1	463.7	575.7	699.8	831.4	969.1	1124.7	1290.2	1484.5
-25°	169.6	248.8	333.5	440.3	554.0	668.4	797.3	924.7	1076.3	1238.8	1411.3
-27.5°	162.5	236.2	321.3	414.6	528.4	635.0	758.7	883.0	1021.9	1181.1	1339.9
-30°	153.4	222.6	306.5	390.0	497.9	603.5	715.7	838.0	962.9	1114.0	1270.2
-32.5°	145.3	208.5	289.6	371.2	465.0	568.1	669.3	785.9	907.8	1036.6	1191.0
-35°	139.8	200.2	271.8	349.5	431.5	529.5	625.8	727.1	845.1	966.0	1101.6
-37.5°	135.4	190.6	253.0	326.9	404.9	489.0	579.2	672.3	775.4	897.3	1024.7
-40°	128.5	179.8	239.1	305.3	374.2	450.7	534.3	618.7	708.0	827.1	952.8
-42.5°	119.6	169.3	225.9	281.9	344.8	414.6	489.0	568.4	654.2	757.7	873.2
-45°	112.8	155.9	211.3	261.5	313.5	377.4	447.2	519.2	600.1	688.9	792.7
-47.5°	104.2	141.3	192.2	239.1	285.0	339.5	403.3	471.4	543.1	623.1	708.2
-50°	94.9	129.2	168.8	214.5	258.2	303.5	358.0	421.0	486.0	555.8	631.7
-52.5°	87.9	115.0	151.2	189.2	230.9	272.0	318.4	372.3	430.5	488.7	555.5
-55°	79.9	104.6	134.4	168.4	203.9	242.0	284.2	331.5	378.9	432.4	485.7
-57.5°	74.3	94.5	120.3	149.9	181.8	214.2	254.0	294.0	337.9	382.1	426.3
-60°	70.0	85.8	107.2	133.3	161.7	192.0	224.7	261.6	299.4	335.5	373.7
-62.5°	65.0	78.8	95.5	116.7	142.4	168.7	197.6	229.2	263.4	293.8	323.4
-65°	58.5	70.5	84.9	102.2	122.3	144.5	169.1	195.8	225.4	250.1	274.2
-67.5°	51.1	61.2	73.3	87.4	104.2	121.5	139.5	162.1	186.1	206.3	226.0
-70°	41.8	51.1	61.0	72.5	85.7	100.4	116.2	132.6	149.0	165.5	183.5
-72.5°	32.0	40.5	48.8	57.0	67.5	79.6	92.5	106.3	120.6	134.7	148.4
-75°	24.4	29.9	37.2	44.6	51.9	59.7	68.5	79.4	92.7	106.4	118.9
-77.5°	18.4	23.0	27.9	33.0	37.6	43.4	49.7	56.5	67.5	80.1	92.8
-80°	13.3	16.0	19.9	24.0	27.2	30.4	33.8	37.2	45.4	55.5	66.4
-82.5°	9.8	11.7	13.9	16.3	17.9	19.5	21.3	23.6	29.6	36.5	43.7
-85°	6.8	7.3	8.5	9.8	10.8	11.7	12.6	13.6	16.9	20.5	24.4
-87.5°	5.8	6.1	6.4	6.8	6.9	7.0	7.1	7.2	8.3	9.5	10.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GFLD-SA1E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.5	6.9	7.4	7.8	8.2	8.6	9.0	9.4	9.8	9.8	9.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.7	0.8	0.8	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.7	1.6	1.2	0.8	0.4	0.6	1.0	1.2	1.2	1.0	0.8
62.5°	2.6	2.4	2.2	2.5	3.0	3.5	3.3	3.1	2.9	2.8	2.9
60°	9.7	6.5	7.5	9.4	8.8	6.0	9.9	11.2	9.5	6.5	6.3
57.5°	24.5	23.7	27.1	39.6	43.6	39.7	47.5	57.6	57.3	49.4	49.1
55°	52.3	70.1	91.7	95.2	110.2	140.2	163.6	153.3	153.3	161.0	185.8
52.5°	99.3	116.1	122.4	139.1	170.5	193.2	207.8	222.9	239.5	256.5	273.6
50°	145.7	162.0	180.6	197.7	241.1	264.4	260.6	291.9	332.1	357.1	370.0
47.5°	213.6	239.4	278.7	340.1	372.5	396.0	425.1	460.6	506.6	568.9	616.9
45°	293.7	334.2	395.0	460.3	510.6	533.5	566.8	621.7	695.0	766.4	818.5
42.5°	359.2	414.8	483.2	545.7	586.7	624.3	667.4	713.8	797.7	873.9	934.2
40°	444.5	487.8	564.7	623.5	660.2	697.5	765.9	835.3	914.2	985.2	1034.6
37.5°	552.7	601.5	681.4	748.0	783.3	796.5	912.8	1009.4	1073.5	1164.2	1193.8
35°	669.0	749.2	851.1	937.4	972.1	1041.2	1161.0	1295.8	1441.8	1495.5	1541.3
32.5°	798.7	897.7	1036.0	1128.6	1178.0	1282.9	1434.5	1578.4	1769.3	1873.0	1904.0
30°	917.4	1031.0	1149.8	1239.8	1324.3	1450.7	1588.9	1766.3	1942.9	2075.4	2116.6
27.5°	1004.5	1130.2	1244.4	1328.7	1424.0	1560.3	1732.6	1912.3	2085.6	2220.8	2268.9
25°	1087.6	1229.7	1320.1	1418.1	1530.1	1678.6	1869.6	2069.2	2239.9	2354.2	2413.1
22.5°	1182.1	1322.2	1419.3	1502.3	1648.7	1819.9	1997.1	2222.7	2403.6	2494.8	2558.6
20°	1279.7	1438.3	1588.2	1665.4	1792.1	2008.8	2207.2	2420.2	2594.8	2689.9	2757.1
17.5°	1415.9	1617.9	1801.8	1911.2	2046.9	2305.9	2553.5	2768.9	3011.9	3097.8	3180.0
15°	1559.5	1793.3	2008.7	2181.9	2357.2	2613.9	2932.6	3192.6	3469.8	3593.7	3733.7
12.5°	1702.6	1923.8	2119.0	2342.5	2589.5	2816.5	3120.0	3443.7	3695.3	3853.3	3947.5
10°	1809.6	2015.1	2202.9	2426.9	2673.4	2930.2	3231.8	3563.6	3827.0	3961.8	4038.7
7.5°	1867.3	2064.0	2262.1	2489.1	2734.5	3008.1	3318.8	3648.0	3917.3	4047.9	4123.8
5°	1910.2	2099.1	2304.3	2543.2	2791.3	3068.7	3379.0	3704.2	3949.8	4088.6	4184.6
2.5°	1936.2	2121.3	2331.1	2578.2	2826.9	3115.8	3441.1	3778.2	3993.1	4104.7	4193.0
0°	1943.7	2130.2	2346.1	2596.5	2851.7	3142.9	3465.2	3799.0	4016.6	4124.6	4214.6
-2.5°	1952.1	2144.2	2366.1	2608.4	2861.4	3151.8	3480.8	3806.0	4001.8	4110.7	4196.4
-5°	1946.2	2145.3	2366.5	2598.5	2853.2	3141.3	3457.2	3761.3	3966.0	4083.8	4169.0
-7.5°	1928.6	2130.5	2349.4	2572.4	2822.3	3113.7	3428.2	3721.0	3928.4	4052.6	4145.8
-10°	1903.0	2098.9	2319.4	2545.3	2792.1	3069.5	3379.2	3670.2	3868.7	4000.6	4109.2
-12.5°	1874.6	2066.5	2279.0	2495.7	2739.8	3013.7	3313.7	3589.3	3786.6	3930.5	4008.1
-15°	1832.5	2024.3	2227.4	2437.0	2675.0	2940.7	3227.3	3491.6	3685.4	3802.5	3888.3
-17.5°	1779.0	1967.1	2159.7	2358.5	2582.7	2844.4	3132.8	3393.4	3551.4	3656.0	3740.3
-20°	1721.6	1895.6	2078.1	2265.7	2483.0	2742.2	3025.4	3252.8	3401.7	3502.2	3581.7



REPORT NUMBER: P626810 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1656.1	1823.7	1990.7	2170.0	2383.2	2620.8	2870.9	3090.7	3250.7	3342.3	3415.8
-25°	1581.4	1744.4	1903.0	2076.2	2272.0	2485.7	2718.2	2934.1	3077.5	3174.7	3247.7
-27.5°	1500.9	1654.0	1808.9	1964.4	2140.5	2353.3	2568.7	2769.3	2891.8	2989.8	3063.1
-30°	1420.5	1558.3	1701.6	1848.8	2014.0	2206.0	2407.4	2576.1	2705.2	2800.4	2868.5
-32.5°	1333.4	1464.1	1591.1	1728.7	1884.3	2053.4	2230.3	2390.7	2528.7	2615.8	2673.2
-35°	1244.2	1370.8	1486.9	1611.9	1749.1	1895.1	2058.3	2216.6	2352.8	2421.8	2477.7
-37.5°	1151.3	1277.5	1387.7	1492.0	1610.2	1745.4	1904.3	2055.4	2173.1	2232.4	2282.8
-40°	1070.5	1181.6	1280.8	1380.6	1476.7	1596.8	1745.1	1891.3	1985.7	2043.5	2090.4
-42.5°	992.1	1085.8	1167.0	1256.5	1352.7	1471.1	1590.8	1713.4	1789.2	1853.3	1902.7
-45°	900.7	984.5	1060.6	1135.1	1222.8	1330.8	1439.6	1537.8	1608.9	1670.8	1718.8
-47.5°	799.7	880.6	954.5	1021.0	1102.6	1192.7	1284.2	1366.0	1436.2	1497.4	1540.3
-50°	705.5	777.8	850.0	917.4	988.0	1060.9	1135.2	1206.9	1273.5	1333.1	1369.5
-52.5°	621.2	687.8	750.9	809.8	871.7	933.3	994.8	1060.4	1121.8	1178.1	1207.2
-55°	544.9	605.0	661.9	711.5	761.2	810.0	862.7	923.4	979.8	1031.9	1052.9
-57.5°	476.3	527.8	578.2	620.2	660.7	699.5	745.8	797.0	846.4	891.1	908.2
-60°	413.3	454.1	496.3	533.5	568.8	602.1	642.5	683.7	723.8	757.5	772.1
-62.5°	355.4	390.3	422.2	452.5	482.4	512.4	545.0	577.7	610.0	636.0	649.1
-65°	299.5	327.3	353.0	377.8	402.0	427.2	452.7	477.6	501.5	520.1	531.5
-67.5°	247.1	268.2	288.5	307.9	328.1	348.5	368.5	387.5	405.6	419.9	430.8
-70°	200.5	216.9	232.8	248.9	265.7	281.6	296.7	310.9	324.3	334.7	343.0
-72.5°	161.7	174.9	188.7	203.1	216.8	228.6	239.4	249.8	259.8	265.7	270.0
-75°	130.3	141.5	153.5	165.1	176.5	185.6	193.5	201.2	208.5	208.9	207.4
-77.5°	105.3	115.3	124.5	133.7	142.8	148.3	153.2	158.2	163.3	160.3	155.7
-80°	77.3	85.6	93.4	101.3	109.3	112.5	114.8	116.8	118.5	114.7	110.0
-82.5°	51.3	56.5	61.6	66.8	72.1	74.2	75.8	77.1	78.1	74.7	70.7
-85°	28.6	31.1	33.6	36.1	38.6	40.1	41.4	42.7	43.8	41.7	39.4
-87.5°	11.9	12.5	13.0	13.6	14.1	14.6	15.2	15.7	16.2	16.2	16.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626810 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.8	1.0	1.2	1.2
62.5°	3.0	3.2	3.3	3.3	3.3	3.2	3.0	2.9	2.8	2.9	3.1
60°	5.8	5.1	4.9	4.9	4.9	5.1	5.8	6.3	6.5	9.5	11.2
57.5°	45.3	38.8	39.8	44.2	39.8	38.8	45.3	49.1	49.4	57.3	57.6
55°	211.9	236.6	245.3	240.5	245.3	236.6	211.9	185.8	161.0	153.3	153.3
52.5°	287.2	297.3	301.2	301.0	301.2	297.3	287.2	273.6	256.5	239.5	222.9
50°	373.9	370.5	365.2	359.9	365.2	370.5	373.9	370.0	357.1	332.1	291.9
47.5°	623.9	613.1	608.5	616.8	608.5	613.1	623.9	616.9	568.9	506.6	460.6
45°	829.1	841.7	851.2	850.8	851.2	841.7	829.1	818.5	766.4	695.0	621.7
42.5°	945.9	952.7	954.6	952.2	954.6	952.7	945.9	934.2	873.9	797.7	713.8
40°	1050.1	1058.1	1062.6	1066.7	1062.6	1058.1	1050.1	1034.6	985.2	914.2	835.3
37.5°	1203.6	1206.5	1200.1	1196.0	1200.1	1206.5	1203.6	1193.8	1164.2	1073.5	1009.4
35°	1580.0	1587.7	1569.8	1588.6	1569.8	1587.7	1580.0	1541.3	1495.5	1441.8	1295.8
32.5°	1940.9	1977.0	2006.2	2030.4	2006.2	1977.0	1940.9	1904.0	1873.0	1769.3	1578.4
30°	2145.3	2168.6	2181.1	2184.2	2181.1	2168.6	2145.3	2116.6	2075.4	1942.9	1766.3
27.5°	2295.4	2319.9	2335.0	2346.1	2335.0	2319.9	2295.4	2268.9	2220.8	2085.6	1912.3
25°	2440.1	2462.5	2477.7	2483.6	2477.7	2462.5	2440.1	2413.1	2354.2	2239.9	2069.2
22.5°	2590.3	2605.8	2620.4	2627.6	2620.4	2605.8	2590.3	2558.6	2494.8	2403.6	2222.7
20°	2805.4	2797.0	2810.4	2805.9	2810.4	2797.0	2805.4	2757.1	2689.9	2594.8	2420.2
17.5°	3244.1	3248.6	3257.5	3272.2	3257.5	3248.6	3244.1	3180.0	3097.8	3011.9	2768.9
15°	3795.7	3806.8	3863.2	3913.5	3863.2	3806.8	3795.7	3733.7	3593.7	3469.8	3192.6
12.5°	4035.0	4073.4	4079.3	4093.5	4079.3	4073.4	4035.0	3947.5	3853.3	3695.3	3443.7
10°	4114.8	4181.3	4179.9	4196.6	4179.9	4181.3	4114.8	4038.7	3961.8	3827.0	3563.6
7.5°	4175.4	4246.8	4277.0	4289.8	4277.0	4246.8	4175.4	4123.8	4047.9	3917.3	3648.0
5°	4249.4	4288.6	4340.7	4325.8	4340.7	4288.6	4249.4	4184.6	4088.6	3949.8	3704.2
2.5°	4280.4	4341.9	4327.7	4342.2	4327.7	4341.9	4280.4	4193.0	4104.7	3993.1	3778.2
0°	4301.3	4345.4	4352.0	4366.7	4352.0	4345.4	4301.3	4214.6	4124.6	4016.6	3799.0
-2.5°	4275.9	4314.8	4382.8	4361.8	4382.8	4314.8	4275.9	4196.4	4110.7	4001.8	3806.0
-5°	4253.7	4349.3	4312.2	4358.5	4312.2	4349.3	4253.7	4169.0	4083.8	3966.0	3761.3
-7.5°	4242.1	4259.3	4283.9	4319.3	4283.9	4259.3	4242.1	4145.8	4052.6	3928.4	3721.0
-10°	4153.3	4170.9	4216.2	4240.7	4216.2	4170.9	4153.3	4109.2	4000.6	3868.7	3670.2
-12.5°	4057.0	4090.9	4138.5	4154.0	4138.5	4090.9	4057.0	4008.1	3930.5	3786.6	3589.3
-15°	3946.1	3996.4	4042.9	4052.6	4042.9	3996.4	3946.1	3888.3	3802.5	3685.4	3491.6
-17.5°	3805.0	3865.4	3914.2	3925.0	3914.2	3865.4	3805.0	3740.3	3656.0	3551.4	3393.4
-20°	3649.6	3707.4	3748.9	3761.4	3748.9	3707.4	3649.6	3581.7	3502.2	3401.7	3252.8



REPORT NUMBER: P626810 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3483.2	3535.2	3570.3	3565.0	3570.3	3535.2	3483.2	3415.8	3342.3	3250.7	3090.7
-25°	3306.5	3354.8	3388.2	3383.4	3388.2	3354.8	3306.5	3247.7	3174.7	3077.5	2934.1
-27.5°	3119.7	3165.4	3197.5	3198.5	3197.5	3165.4	3119.7	3063.1	2989.8	2891.8	2769.3
-30°	2923.4	2964.9	2991.0	2980.9	2991.0	2964.9	2923.4	2868.5	2800.4	2705.2	2576.1
-32.5°	2720.9	2758.5	2782.4	2789.5	2782.4	2758.5	2720.9	2673.2	2615.8	2528.7	2390.7
-35°	2521.2	2554.4	2575.0	2580.1	2575.0	2554.4	2521.2	2477.7	2421.8	2352.8	2216.6
-37.5°	2322.9	2351.4	2365.8	2359.2	2365.8	2351.4	2322.9	2282.8	2232.4	2173.1	2055.4
-40°	2126.8	2153.9	2170.4	2174.4	2170.4	2153.9	2126.8	2090.4	2043.5	1985.7	1891.3
-42.5°	1934.0	1956.6	1971.1	1978.0	1971.1	1956.6	1934.0	1902.7	1853.3	1789.2	1713.4
-45°	1746.9	1767.1	1780.7	1788.2	1780.7	1767.1	1746.9	1718.8	1670.8	1608.9	1537.8
-47.5°	1564.9	1582.6	1594.3	1600.1	1594.3	1582.6	1564.9	1540.3	1497.4	1436.2	1366.0
-50°	1390.9	1406.2	1417.1	1423.4	1417.1	1406.2	1390.9	1369.5	1333.1	1273.5	1206.9
-52.5°	1225.8	1239.2	1248.5	1253.2	1248.5	1239.2	1225.8	1207.2	1178.1	1121.8	1060.4
-55°	1068.1	1079.0	1087.6	1092.9	1087.6	1079.0	1068.1	1052.9	1031.9	979.8	923.4
-57.5°	921.2	930.0	938.2	944.0	938.2	930.0	921.2	908.2	891.1	846.4	797.0
-60°	783.6	791.9	798.9	803.3	798.9	791.9	783.6	772.1	757.5	723.8	683.7
-62.5°	659.4	666.8	673.2	677.3	673.2	666.8	659.4	649.1	636.0	610.0	577.7
-65°	540.4	547.1	551.8	554.6	551.8	547.1	540.4	531.5	520.1	501.5	477.6
-67.5°	440.1	447.8	449.3	448.3	449.3	447.8	440.1	430.8	419.9	405.6	387.5
-70°	350.5	357.0	358.5	358.3	358.5	357.0	350.5	343.0	334.7	324.3	310.9
-72.5°	274.1	277.6	274.6	270.0	274.6	277.6	274.1	270.0	265.7	259.8	249.8
-75°	205.6	203.4	200.2	196.3	200.2	203.4	205.6	207.4	208.9	208.5	201.2
-77.5°	150.6	145.0	141.4	137.4	141.4	145.0	150.6	155.7	160.3	163.3	158.2
-80°	104.9	99.4	95.6	91.6	95.6	99.4	104.9	110.0	114.7	118.5	116.8
-82.5°	66.5	62.0	59.7	57.3	59.7	62.0	66.5	70.7	74.7	78.1	77.1
-85°	36.9	34.3	32.7	31.1	32.7	34.3	36.9	39.4	41.7	43.8	42.7
-87.5°	16.3	16.4	15.5	14.7	15.5	16.4	16.3	16.3	16.2	16.2	15.7
-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: P626810 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	9.0	8.6	8.2	7.8	7.4	6.9	6.5	6.1	5.7	5.3	4.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.2
67.5°	0.0	0.0	0.3	0.7	0.8	0.8	0.7	0.8	0.9	0.9	0.8
65°	1.0	0.6	0.4	0.8	1.2	1.6	1.7	1.5	1.4	1.7	2.0
62.5°	3.3	3.5	3.0	2.5	2.2	2.4	2.6	2.8	2.4	1.9	2.5
60°	9.9	6.0	8.8	9.4	7.5	6.5	9.7	9.2	4.8	4.1	3.7
57.5°	47.5	39.7	43.6	39.6	27.1	23.7	24.5	23.4	21.2	12.9	5.5
55°	163.6	140.2	110.2	95.2	91.7	70.1	52.3	43.6	39.5	28.5	18.9
52.5°	207.8	193.2	170.5	139.1	122.4	116.1	99.3	79.4	63.1	50.4	36.2
50°	260.6	264.4	241.1	197.7	180.6	162.0	145.7	122.7	102.0	81.8	60.4
47.5°	425.1	396.0	372.5	340.1	278.7	239.4	213.6	176.0	147.7	123.3	96.8
45°	566.8	533.5	510.6	460.3	395.0	334.2	293.7	246.6	196.4	163.7	139.7
42.5°	667.4	624.3	586.7	545.7	483.2	414.8	359.2	312.5	259.8	206.8	174.9
40°	765.9	697.5	660.2	623.5	564.7	487.8	444.5	376.1	321.0	262.2	218.7
37.5°	912.8	796.5	783.3	748.0	681.4	601.5	552.7	485.2	383.1	327.7	277.6
35°	1161.0	1041.2	972.1	937.4	851.1	749.2	669.0	605.9	504.6	395.5	337.7
32.5°	1434.5	1282.9	1178.0	1128.6	1036.0	897.7	798.7	718.4	616.7	493.3	400.7
30°	1588.9	1450.7	1324.3	1239.8	1149.8	1031.0	917.4	804.0	693.6	591.5	468.9
27.5°	1732.6	1560.3	1424.0	1328.7	1244.4	1130.2	1004.5	883.0	761.6	660.7	551.4
25°	1869.6	1678.6	1530.1	1418.1	1320.1	1229.7	1087.6	954.9	828.3	716.7	631.2
22.5°	1997.1	1819.9	1648.7	1502.3	1419.3	1322.2	1182.1	1021.4	897.7	803.9	703.3
20°	2207.2	2008.8	1792.1	1665.4	1588.2	1438.3	1279.7	1120.8	1007.2	899.8	781.4
17.5°	2553.5	2305.9	2046.9	1911.2	1801.8	1617.9	1415.9	1258.2	1116.4	996.7	866.4
15°	2932.6	2613.9	2357.2	2181.9	2008.7	1793.3	1559.5	1389.1	1228.0	1093.3	944.5
12.5°	3120.0	2816.5	2589.5	2342.5	2119.0	1923.8	1702.6	1514.7	1331.9	1156.4	992.9
10°	3231.8	2930.2	2673.4	2426.9	2202.9	2015.1	1809.6	1587.0	1383.9	1198.1	1033.2
7.5°	3318.8	3008.1	2734.5	2489.1	2262.1	2064.0	1867.3	1634.0	1425.4	1231.9	1065.5
5°	3379.0	3068.7	2791.3	2543.2	2304.3	2099.1	1910.2	1669.6	1456.4	1257.5	1090.1
2.5°	3441.1	3115.8	2826.9	2578.2	2331.1	2121.3	1936.2	1696.7	1481.6	1276.5	1110.6
0°	3465.2	3142.9	2851.7	2596.5	2346.1	2130.2	1943.7	1714.6	1498.7	1287.6	1124.0
-2.5°	3480.8	3151.8	2861.4	2608.4	2366.1	2144.2	1952.1	1734.7	1504.1	1299.5	1127.8
-5°	3457.2	3141.3	2853.2	2598.5	2366.5	2145.3	1946.2	1737.6	1502.7	1302.7	1124.8
-7.5°	3428.2	3113.7	2822.3	2572.4	2349.4	2130.5	1928.6	1724.7	1497.6	1297.5	1119.3
-10°	3379.2	3069.5	2792.1	2545.3	2319.4	2098.9	1903.0	1700.0	1480.8	1282.7	1106.3
-12.5°	3313.7	3013.7	2739.8	2495.7	2279.0	2066.5	1874.6	1665.9	1452.3	1257.9	1085.7
-15°	3227.3	2940.7	2675.0	2437.0	2227.4	2024.3	1832.5	1628.1	1424.5	1227.5	1057.5
-17.5°	3132.8	2844.4	2582.7	2358.5	2159.7	1967.1	1779.0	1588.5	1392.4	1198.9	1032.1
-20°	3025.4	2742.2	2483.0	2265.7	2078.1	1895.6	1721.6	1544.1	1347.9	1166.0	1005.4



REPORT NUMBER: P626810 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2870.9	2620.8	2383.2	2170.0	1990.7	1823.7	1656.1	1484.5	1290.2	1124.7	969.1
-25°	2718.2	2485.7	2272.0	2076.2	1903.0	1744.4	1581.4	1411.3	1238.8	1076.3	924.7
-27.5°	2568.7	2353.3	2140.5	1964.4	1808.9	1654.0	1500.9	1339.9	1181.1	1021.9	883.0
-30°	2407.4	2206.0	2014.0	1848.8	1701.6	1558.3	1420.5	1270.2	1114.0	962.9	838.0
-32.5°	2230.3	2053.4	1884.3	1728.7	1591.1	1464.1	1333.4	1191.0	1036.6	907.8	785.9
-35°	2058.3	1895.1	1749.1	1611.9	1486.9	1370.8	1244.2	1101.6	966.0	845.1	727.1
-37.5°	1904.3	1745.4	1610.2	1492.0	1387.7	1277.5	1151.3	1024.7	897.3	775.4	672.3
-40°	1745.1	1596.8	1476.7	1380.6	1280.8	1181.6	1070.5	952.8	827.1	708.0	618.7
-42.5°	1590.8	1471.1	1352.7	1256.5	1167.0	1085.8	992.1	873.2	757.7	654.2	568.4
-45°	1439.6	1330.8	1222.8	1135.1	1060.6	984.5	900.7	792.7	688.9	600.1	519.2
-47.5°	1284.2	1192.7	1102.6	1021.0	954.5	880.6	799.7	708.2	623.1	543.1	471.4
-50°	1135.2	1060.9	988.0	917.4	850.0	777.8	705.5	631.7	555.8	486.0	421.0
-52.5°	994.8	933.3	871.7	809.8	750.9	687.8	621.2	555.5	488.7	430.5	372.3
-55°	862.7	810.0	761.2	711.5	661.9	605.0	544.9	485.7	432.4	378.9	331.5
-57.5°	745.8	699.5	660.7	620.2	578.2	527.8	476.3	426.3	382.1	337.9	294.0
-60°	642.5	602.1	568.8	533.5	496.3	454.1	413.3	373.7	335.5	299.4	261.6
-62.5°	545.0	512.4	482.4	452.5	422.2	390.3	355.4	323.4	293.8	263.4	229.2
-65°	452.7	427.2	402.0	377.8	353.0	327.3	299.5	274.2	250.1	225.4	195.8
-67.5°	368.5	348.5	328.1	307.9	288.5	268.2	247.1	226.0	206.3	186.1	162.1
-70°	296.7	281.6	265.7	248.9	232.8	216.9	200.5	183.5	165.5	149.0	132.6
-72.5°	239.4	228.6	216.8	203.1	188.7	174.9	161.7	148.4	134.7	120.6	106.3
-75°	193.5	185.6	176.5	165.1	153.5	141.5	130.3	118.9	106.4	92.7	79.4
-77.5°	153.2	148.3	142.8	133.7	124.5	115.3	105.3	92.8	80.1	67.5	56.5
-80°	114.8	112.5	109.3	101.3	93.4	85.6	77.3	66.4	55.5	45.4	37.2
-82.5°	75.8	74.2	72.1	66.8	61.6	56.5	51.3	43.7	36.5	29.6	23.6
-85°	41.4	40.1	38.6	36.1	33.6	31.1	28.6	24.4	20.5	16.9	13.6
-87.5°	15.2	14.6	14.1	13.6	13.0	12.5	11.9	10.7	9.5	8.3	7.2
-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: P626810 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.5	4.1	3.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5
82.5°	0.0	0.0	0.0	0.0	0.3	0.4	0.5	0.4	0.2	0.0	0.1
80°	0.0	0.0	0.0	0.0	0.4	0.9	1.1	1.1	0.8	0.6	0.3
77.5°	0.0	0.0	0.0	0.0	0.2	0.5	0.9	1.4	1.4	1.1	0.8
75°	0.0	0.0	0.0	0.1	0.1	0.0	0.3	0.8	1.3	1.6	1.3
72.5°	0.0	0.0	0.0	0.2	0.4	0.5	0.3	0.3	0.9	1.4	1.6
70°	0.2	0.1	0.0	0.3	0.7	1.0	0.9	0.7	0.6	1.2	1.5
67.5°	0.8	0.8	0.6	0.5	0.7	1.1	1.5	1.4	1.3	1.0	1.5
65°	1.9	1.8	1.6	1.4	1.2	1.2	1.6	2.0	1.9	1.6	1.5
62.5°	2.9	2.9	2.6	2.4	2.1	1.8	1.7	2.2	2.5	2.2	1.8
60°	3.7	3.8	3.7	3.3	3.0	2.7	2.4	2.5	2.8	2.8	2.3
57.5°	5.1	4.9	4.9	4.4	3.9	3.5	3.3	3.2	3.3	3.2	2.8
55°	8.9	6.2	6.3	5.8	5.0	4.3	4.1	4.0	3.8	3.7	3.3
52.5°	22.7	12.6	8.1	7.5	6.5	5.3	5.0	4.7	4.5	4.3	3.8
50°	41.9	27.1	15.4	9.7	8.2	7.0	5.8	5.5	5.2	4.8	4.3
47.5°	67.2	46.7	30.3	15.2	10.6	8.8	7.3	6.3	5.9	5.4	4.7
45°	103.5	68.8	47.7	30.1	14.2	12.1	9.0	7.1	6.5	6.0	5.1
42.5°	144.0	101.0	66.9	45.5	27.0	16.7	10.8	8.6	7.2	6.6	5.6
40°	183.7	139.6	89.9	62.8	40.8	22.4	15.5	10.2	7.9	7.3	6.2
37.5°	227.6	180.4	126.0	81.2	54.8	34.3	21.2	11.9	9.0	8.0	6.8
35°	281.9	225.7	162.1	108.2	72.6	45.2	27.6	15.1	11.1	8.7	7.4
32.5°	336.2	270.9	201.0	139.6	91.1	55.3	35.9	21.6	13.5	9.4	8.0
30°	390.8	312.2	237.8	168.6	112.5	71.5	44.9	27.9	16.2	10.2	8.6
27.5°	440.0	351.3	272.1	199.0	137.6	88.7	54.3	33.9	19.3	11.6	9.2
25°	495.5	393.5	305.9	228.0	160.5	106.5	63.9	39.9	23.8	13.9	9.9
22.5°	567.0	436.9	337.3	254.3	183.2	123.6	76.2	47.8	28.7	16.4	10.5
20°	638.1	479.2	368.0	287.2	207.9	142.8	90.5	55.6	33.3	19.0	11.2
17.5°	707.8	533.5	412.7	320.9	234.3	160.8	103.9	63.3	37.8	21.6	11.8
15°	770.3	595.8	456.6	352.7	260.2	177.4	116.2	70.8	41.9	24.3	12.6
12.5°	822.8	649.4	497.9	382.5	285.1	192.6	127.5	77.9	45.7	27.2	13.8
10°	866.2	694.8	536.2	410.0	308.7	206.2	137.7	85.1	50.2	30.3	15.0
7.5°	900.8	732.3	571.1	435.0	330.1	219.0	148.6	92.7	54.5	33.3	16.2
5°	926.9	761.5	598.0	452.9	347.0	230.8	158.7	99.6	58.5	36.1	17.4
2.5°	943.8	783.0	618.1	466.9	360.9	240.7	167.6	105.9	62.1	38.6	18.5
0°	953.8	798.4	633.2	477.7	371.4	248.7	175.1	111.3	65.4	40.9	19.6
-2.5°	962.7	808.5	646.4	496.5	378.6	261.8	179.9	116.2	70.6	42.5	21.6
-5°	965.7	812.9	655.0	511.0	383.0	272.5	183.3	120.2	75.1	43.8	23.4
-7.5°	960.7	810.3	658.1	519.3	385.1	280.0	185.2	123.3	78.8	44.8	25.0
-10°	949.6	801.5	654.0	516.8	387.8	282.3	186.3	125.6	81.5	45.6	26.4
-12.5°	933.2	788.3	645.4	511.3	387.4	280.8	189.4	127.3	82.9	46.1	27.3
-15°	911.7	770.9	632.3	503.2	382.7	277.4	190.2	128.0	82.7	47.1	28.0
-17.5°	886.4	749.9	614.6	492.9	373.6	272.3	188.5	127.2	81.9	48.5	28.6
-20°	861.1	726.6	593.7	480.7	360.0	265.7	184.1	124.8	80.4	49.4	29.1

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



REPORT NUMBER: P626810 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	831.4	699.8	575.7	463.7	345.1	257.7	177.0	120.9	78.3	49.8	29.4
-25°	797.3	668.4	554.0	440.3	333.5	248.8	169.6	115.2	75.5	49.6	29.3
-27.5°	758.7	635.0	528.4	414.6	321.3	236.2	162.5	111.1	73.1	48.9	28.9
-30°	715.7	603.5	497.9	390.0	306.5	222.6	153.4	106.4	72.0	48.0	28.1
-32.5°	669.3	568.1	465.0	371.2	289.6	208.5	145.3	101.2	70.2	46.9	28.1
-35°	625.8	529.5	431.5	349.5	271.8	200.2	139.8	95.3	67.7	45.3	28.3
-37.5°	579.2	489.0	404.9	326.9	253.0	190.6	135.4	92.7	64.4	43.2	28.2
-40°	534.3	450.7	374.2	305.3	239.1	179.8	128.5	89.8	61.3	40.6	27.8
-42.5°	489.0	414.6	344.8	281.9	225.9	169.3	119.6	85.3	58.7	39.2	27.1
-45°	447.2	377.4	313.5	261.5	211.3	155.9	112.8	79.8	55.6	38.1	26.5
-47.5°	403.3	339.5	285.0	239.1	192.2	141.3	104.2	75.4	51.9	36.7	26.2
-50°	358.0	303.5	258.2	214.5	168.8	129.2	94.9	70.1	50.5	35.6	25.5
-52.5°	318.4	272.0	230.9	189.2	151.2	115.0	87.9	64.5	48.7	34.7	24.6
-55°	284.2	242.0	203.9	168.4	134.4	104.6	79.9	61.8	46.5	33.6	23.5
-57.5°	254.0	214.2	181.8	149.9	120.3	94.5	74.3	58.6	44.2	32.0	22.5
-60°	224.7	192.0	161.7	133.3	107.2	85.8	70.0	54.9	41.4	30.0	21.4
-62.5°	197.6	168.7	142.4	116.7	95.5	78.8	65.0	50.7	38.2	27.5	20.0
-65°	169.1	144.5	122.3	102.2	84.9	70.5	58.5	45.8	33.9	24.5	18.1
-67.5°	139.5	121.5	104.2	87.4	73.3	61.2	51.1	39.4	28.9	21.0	15.9
-70°	116.2	100.4	85.7	72.5	61.0	51.1	41.8	31.8	23.3	18.0	13.5
-72.5°	92.5	79.6	67.5	57.0	48.8	40.5	32.0	24.4	19.3	14.9	11.1
-75°	68.5	59.7	51.9	44.6	37.2	29.9	24.4	19.4	15.2	11.6	9.3
-77.5°	49.7	43.4	37.6	33.0	27.9	23.0	18.4	14.2	11.5	9.6	7.8
-80°	33.8	30.4	27.2	24.0	19.9	16.0	13.3	10.9	9.3	7.7	6.3
-82.5°	21.3	19.5	17.9	16.3	13.9	11.7	9.8	8.2	7.0	5.8	5.1
-85°	12.6	11.7	10.8	9.8	8.5	7.3	6.8	6.2	5.7	5.2	4.7
-87.5°	7.1	7.0	6.9	6.8	6.4	6.1	5.8	5.6	5.1	4.6	4.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2

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REPORT NUMBER: P626810 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.3	2.9	2.5	2.0	1.6	1.6	1.6
87.5°	1.2	1.3	1.5	1.5	1.6	1.6	1.6
85°	0.8	1.1	1.3	1.5	1.6	1.6	1.6
82.5°	0.4	0.8	1.2	1.4	1.6	1.6	1.6
80°	0.1	0.6	1.1	1.4	1.6	1.6	1.6
77.5°	0.5	0.5	0.9	1.4	1.6	1.6	1.6
75°	0.9	0.8	0.9	1.3	1.6	1.6	1.6
72.5°	1.3	1.0	1.0	1.3	1.6	1.6	1.6
70°	1.6	1.3	1.1	1.3	1.6	1.6	1.6
67.5°	1.7	1.5	1.3	1.3	1.6	1.6	1.6
65°	1.7	1.7	1.4	1.4	1.6	1.6	1.6
62.5°	1.8	1.8	1.5	1.4	1.6	1.6	1.6
60°	1.9	1.9	1.6	1.5	1.6	1.6	1.6
57.5°	2.3	2.1	1.8	1.5	1.6	1.6	1.6
55°	2.7	2.3	1.9	1.5	1.6	1.6	1.6
52.5°	3.2	2.5	2.1	1.6	1.7	1.6	1.6
50°	3.6	2.8	2.3	1.6	1.7	1.6	1.6
47.5°	4.0	3.2	2.5	1.6	1.8	1.6	1.6
45°	4.3	3.5	2.7	1.8	1.8	1.6	1.6
42.5°	4.7	3.8	2.9	2.0	1.9	1.6	1.6
40°	5.1	4.1	3.1	2.2	1.9	1.6	1.6
37.5°	5.4	4.4	3.4	2.4	2.0	1.6	1.6
35°	5.7	4.7	3.6	2.6	2.1	1.6	1.6
32.5°	6.1	4.9	3.8	2.8	2.1	1.6	1.6
30°	6.6	5.2	4.0	3.0	2.2	1.6	1.6
27.5°	7.1	5.4	4.3	3.2	2.3	1.6	1.6
25°	7.6	5.7	4.5	3.4	2.4	1.6	1.6
22.5°	8.0	5.9	4.8	3.6	2.5	1.6	1.6
20°	8.5	6.2	5.0	3.8	2.6	1.6	1.6
17.5°	9.0	6.5	5.2	3.9	2.7	1.6	1.6
15°	9.5	6.8	5.4	4.1	2.8	1.6	1.6
12.5°	9.9	7.1	5.6	4.3	2.9	1.6	1.6
10°	10.3	7.3	5.8	4.4	3.0	1.6	1.6
7.5°	10.6	7.6	6.0	4.5	3.1	1.6	1.6
5°	11.0	7.8	6.2	4.7	3.1	1.6	1.6
2.5°	11.3	8.0	6.4	4.8	3.2	1.6	1.6
0°	11.5	8.2	6.5	4.9	3.3	1.6	1.6
-2.5°	12.1	8.4	6.6	4.9	3.3	1.6	1.6
-5°	12.7	8.5	6.8	4.9	3.3	1.6	1.6
-7.5°	13.2	8.7	6.9	4.9	3.3	1.6	1.6
-10°	13.6	8.8	7.0	4.8	3.2	1.6	1.6
-12.5°	14.0	8.9	7.0	4.8	3.2	1.6	1.6
-15°	14.2	9.0	7.0	4.7	3.2	1.6	1.6
-17.5°	14.2	9.0	7.0	4.7	3.1	1.6	1.6
-20°	14.6	9.1	7.0	4.6	3.1	1.6	1.6

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CATALOG NUMBER: GFLD-SA1E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15.5	9.1	6.9	4.5	3.0	1.6	1.6
-25°	16.3	9.7	6.8	4.4	3.0	1.6	1.6
-27.5°	16.9	10.5	6.6	4.4	2.9	1.6	1.6
-30°	17.3	11.2	6.5	4.3	2.8	1.6	1.6
-32.5°	17.5	11.7	6.7	4.1	2.8	1.6	1.6
-35°	17.9	12.1	6.9	4.0	2.7	1.6	1.6
-37.5°	18.4	12.4	7.0	3.9	2.6	1.6	1.6
-40°	18.7	12.5	7.0	3.8	2.5	1.6	1.6
-42.5°	18.8	12.5	7.1	3.7	2.4	1.6	1.6
-45°	18.7	12.4	7.1	3.7	2.3	1.6	1.6
-47.5°	18.4	12.2	7.1	3.7	2.2	1.6	1.6
-50°	18.0	11.9	7.0	3.6	2.1	1.6	1.6
-52.5°	17.5	11.6	6.7	3.6	2.0	1.6	1.6
-55°	16.9	11.1	6.5	3.5	1.8	1.6	1.6
-57.5°	16.2	10.5	6.1	3.3	1.7	1.6	1.6
-60°	15.3	9.8	5.7	3.2	1.6	1.6	1.6
-62.5°	14.1	8.9	5.4	3.0	1.6	1.6	1.6
-65°	12.7	8.0	5.0	2.8	1.6	1.6	1.6
-67.5°	11.1	7.2	4.6	2.6	1.6	1.6	1.6
-70°	9.5	6.5	4.2	2.3	1.6	1.6	1.6
-72.5°	8.4	5.8	3.7	2.3	1.6	1.6	1.6
-75°	7.3	5.1	3.2	2.3	1.6	1.6	1.6
-77.5°	6.2	4.3	3.1	2.2	1.6	1.6	1.6
-80°	5.0	3.9	3.0	2.2	1.6	1.6	1.6
-82.5°	4.5	3.6	2.8	2.2	1.6	1.6	1.6
-85°	4.1	3.4	2.7	2.1	1.6	1.6	1.6
-87.5°	3.7	3.1	2.6	2.1	1.6	1.6	1.6
-90°	1.6	1.6	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)