

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: P627213 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3D-730-U-WR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627213 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3D-730-U-WR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N70
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

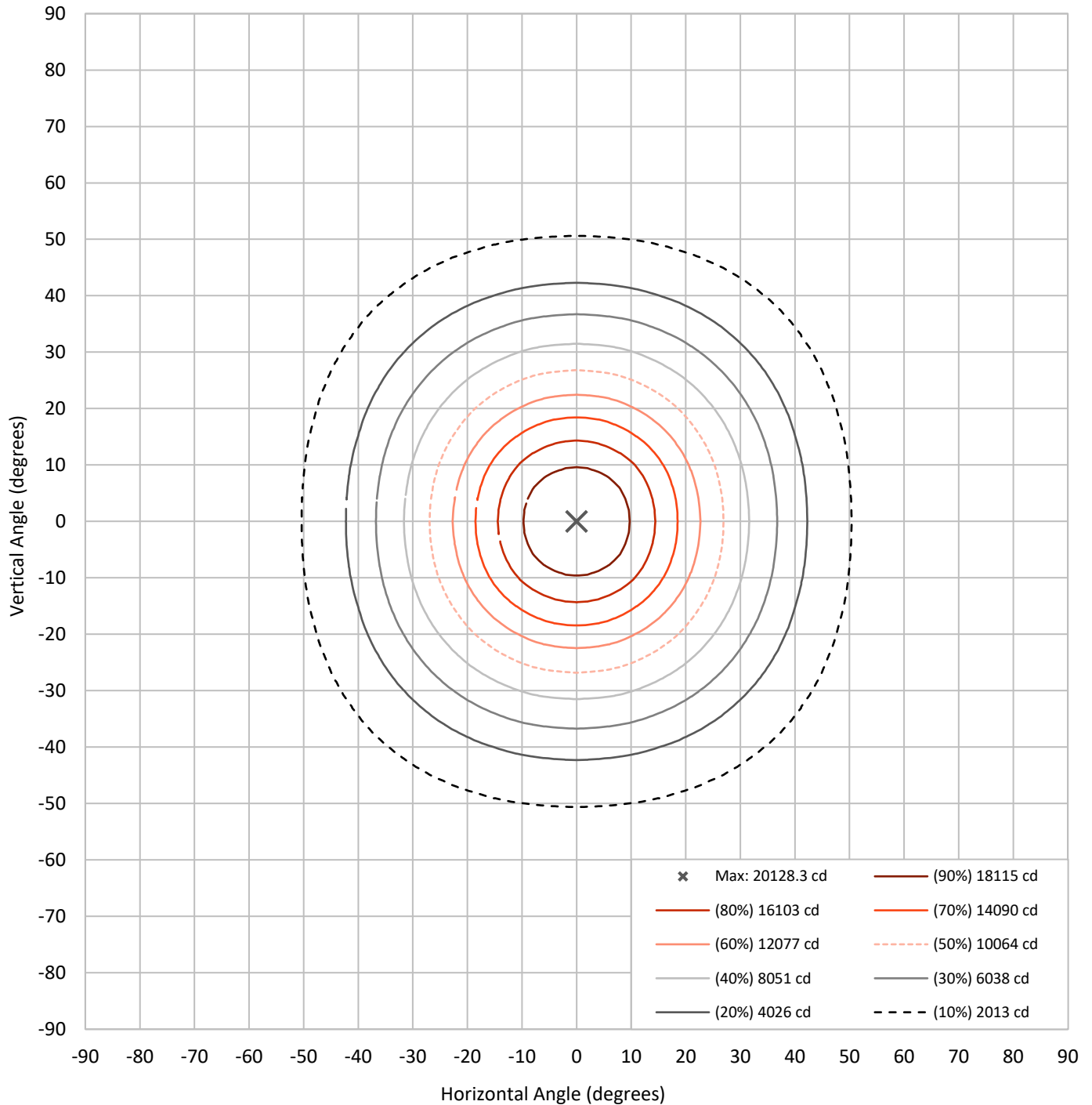
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	20485.9 lumens	Max Intensity:	20128.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	127.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	53.8°H x 53.6°V	Field Angle (10%):	100.8°H x 101.2°V
Beam Lumens:	9795.1 lumens	Field Lumens:	18079.5 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	160.2		
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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Iso-Candela Plot





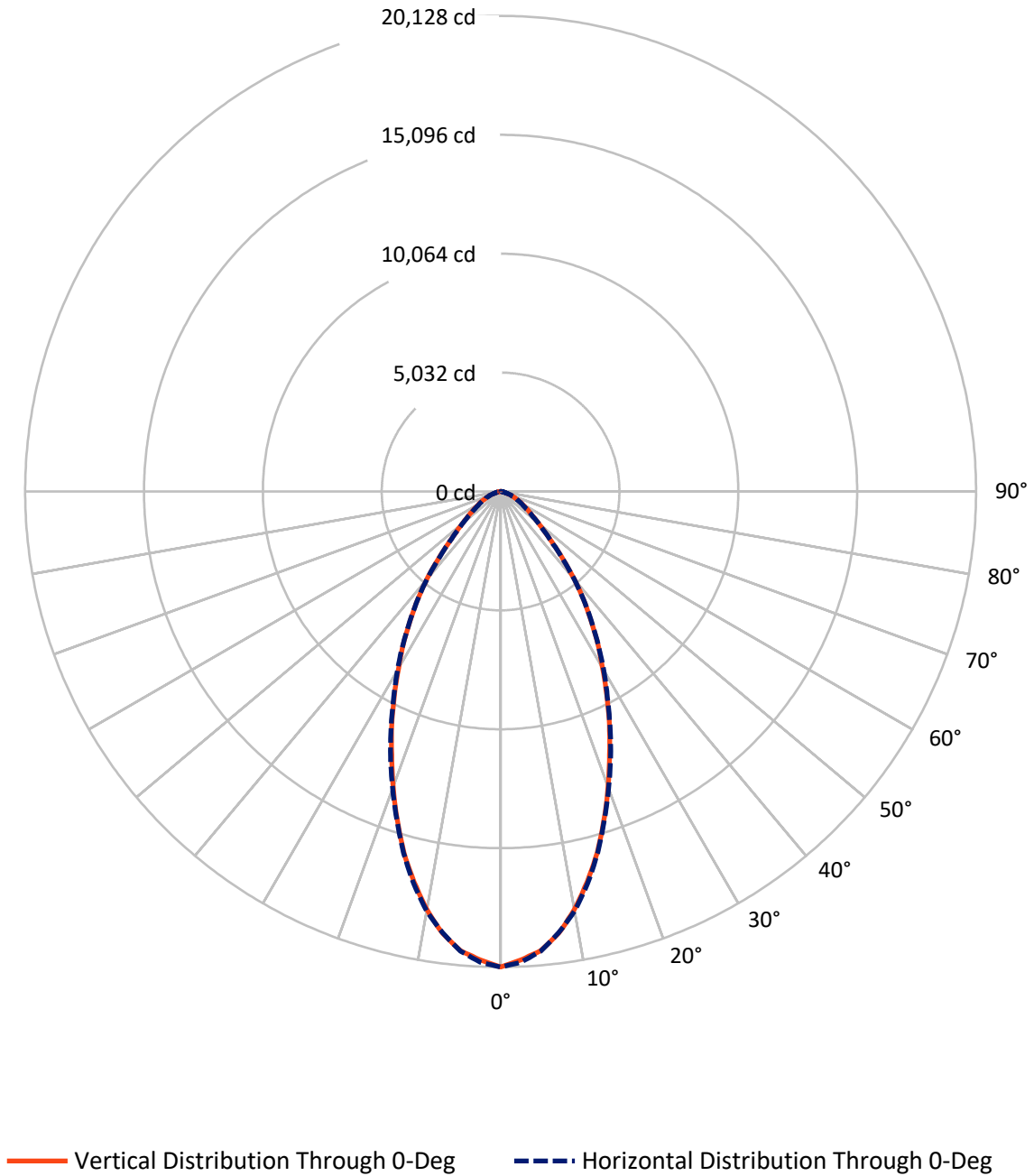
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Lumen Table

90																			
80	0.8	5.6		12.9		21.4		18.4		21.4		12.9		5.6		0.8			
70																			
60	2.7	3.1	5.9	9.4	13.7	17.7	20.8	22.3	22.3	20.8	17.7	13.7	9.4	5.9	3.1	2.7			
50		4.4	8.9	15.4	23.6	32.4	40.5	45.1	45.1	40.5	32.4	23.6	15.4	8.9	4.4				
40	3.9	5.6	12.3	22.9	38.7	59.5	82.0	97.0	97.0	82.0	59.5	38.7	22.9	12.3	5.6	3.9			
30		6.9	16.1	33.4	64.9	115.3	167.5	198.7	198.7	167.5	115.3	64.9	33.4	16.1	6.9				
20	4.6	8.0	20.0	46.7	105.0	188.7	270.0	322.7	322.7	270.0	188.7	105.0	46.7	20.0	8.0	4.6			
10		8.9	23.5	60.5	143.3	254.8	376.2	462.8	462.8	376.2	254.8	143.3	60.5	23.5	8.9				
0	4.9	9.4	25.5	69.5	164.9	296.2	450.7	566.9	566.9	450.7	296.2	164.9	69.5	25.5	9.4	4.9			
-10		9.4	25.5	69.5	164.9	296.2	450.7	566.9	566.9	450.7	296.2	164.9	69.5	25.5	9.4				
-20	4.6	8.9	23.5	60.5	143.3	254.8	376.2	462.8	462.8	376.2	254.8	143.3	60.5	23.5	8.9	4.6			
-30		8.0	20.0	46.7	105.0	188.7	270.0	322.7	322.7	270.0	188.7	105.0	46.7	20.0	8.0				
-40	3.9	6.9	16.1	33.4	64.9	115.3	167.5	198.7	198.7	167.5	115.3	64.9	33.4	16.1	6.9	3.9			
-50		5.6	12.3	22.9	38.7	59.5	82.0	97.0	97.0	82.0	59.5	38.7	22.9	12.3	5.6				
-60	2.7	4.4	8.9	15.4	23.6	32.4	40.5	45.1	45.1	40.5	32.4	23.6	15.4	8.9	4.4	2.7			
-70		3.1	5.9	9.4	13.7	17.7	20.8	22.3	22.3	20.8	17.7	13.7	9.4	5.9	3.1				
-80																			
-90	0.8	5.6		12.9		21.4		18.4		21.4		12.9		5.6		0.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

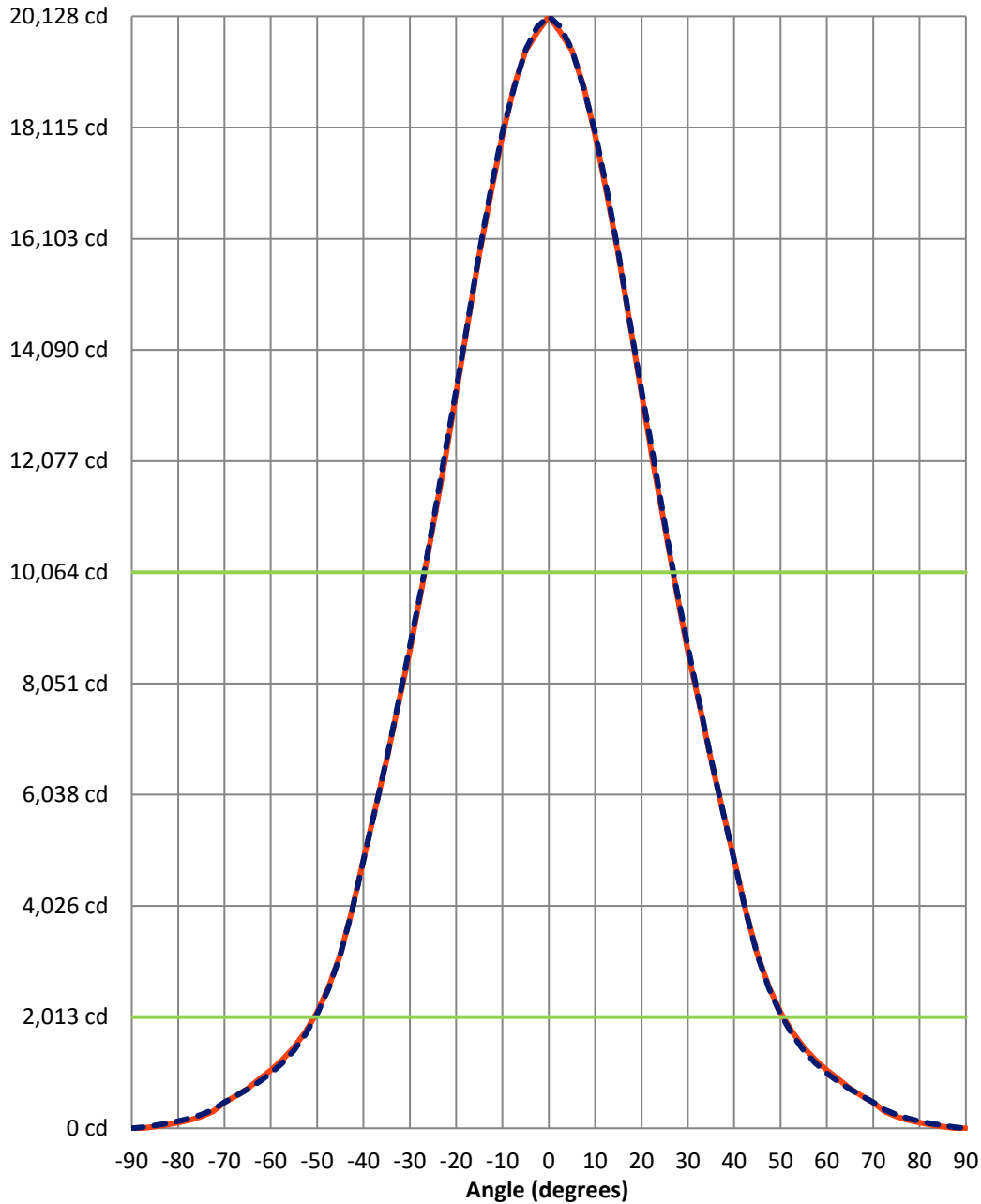
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 53.8°
 V Angle: 53.6°
 Lumens: 9795.1
 Efficiency: 47.8%

Field:
 H Angle: 100.8°
 V Angle: 101.2°
 Lumens: 18079.5
 Efficiency: 88.3%

Spill:
 Lumens: 2406.4
 Efficiency: 11.7%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-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	1.0	2.4	3.8	5.6	7.5	9.6	10.6	11.4	12.1	12.6
85°	0.0	2.0	4.7	7.7	11.1	14.9	19.1	21.2	22.9	24.3	25.3
82.5°	0.0	3.1	7.0	11.5	16.6	22.3	28.6	31.8	35.0	40.6	45.5
80°	0.0	4.1	9.3	15.3	22.0	29.6	38.8	48.2	56.4	63.7	70.2
77.5°	0.0	5.1	11.6	19.0	27.4	38.5	55.3	67.5	77.7	86.8	95.9
75°	0.0	6.0	13.8	22.6	33.1	50.3	71.4	86.8	99.0	111.4	124.7
72.5°	0.0	7.0	16.0	26.2	41.1	61.7	87.0	105.7	120.4	136.2	153.0
70°	0.0	7.9	18.2	30.0	48.7	72.7	101.8	123.6	141.5	160.6	183.1
67.5°	0.0	8.9	20.2	34.6	56.0	83.2	114.7	141.1	162.1	185.9	212.8
65°	0.0	9.8	22.2	39.1	62.9	92.9	126.9	158.2	182.5	210.2	241.0
62.5°	0.0	10.6	24.2	43.3	69.5	101.7	138.4	174.5	202.0	233.5	267.1
60°	0.0	11.5	26.0	47.3	75.6	110.0	149.2	189.8	220.6	256.0	292.5
57.5°	0.0	12.3	28.3	51.0	81.3	117.7	159.0	203.7	239.4	277.8	315.9
55°	0.0	13.1	30.5	54.4	86.6	124.9	168.0	214.7	257.9	298.7	338.2
52.5°	0.0	13.8	32.6	57.6	91.5	131.4	176.2	226.7	275.5	318.6	360.1
50°	0.0	14.5	34.6	60.4	95.9	137.4	183.7	238.0	292.6	338.0	384.1
47.5°	0.0	15.2	36.5	63.0	99.8	142.8	190.7	248.3	309.4	356.9	407.7
45°	0.0	15.8	38.3	65.6	103.3	147.6	198.5	257.5	321.5	377.3	430.4
42.5°	0.0	16.4	40.0	67.8	106.3	151.7	205.4	266.5	332.6	397.0	454.0
40°	0.0	17.0	41.6	70.3	109.0	155.2	211.5	275.3	343.5	415.3	476.8
37.5°	0.0	17.5	43.1	72.9	111.4	158.1	216.8	283.3	355.5	429.7	498.5
35°	0.0	18.0	44.4	75.2	113.4	161.3	221.1	290.4	367.0	445.6	520.6
32.5°	0.0	18.4	45.7	77.3	114.9	164.4	225.1	296.6	378.0	461.7	543.3
30°	0.0	18.8	46.9	79.3	116.0	166.8	229.5	302.6	388.3	478.0	564.6
27.5°	0.0	19.1	47.9	81.0	118.4	168.5	233.1	310.1	399.1	494.4	584.6
25°	0.0	19.4	48.8	82.4	120.8	169.5	236.0	316.8	411.1	510.4	603.3
22.5°	0.0	19.6	49.6	83.7	122.9	170.9	237.9	322.7	422.6	525.1	623.7
20°	0.0	19.8	50.3	84.7	124.7	174.0	239.1	327.7	433.5	538.3	642.0
17.5°	0.0	20.0	50.8	85.6	126.3	176.5	241.8	331.7	443.4	550.0	658.1
15°	0.0	20.1	51.2	86.2	127.5	178.5	245.0	335.5	452.4	560.0	671.9
12.5°	0.0	20.2	51.5	86.6	128.3	179.9	247.3	339.0	460.0	568.4	683.4
10°	0.0	20.2	51.7	86.8	128.9	180.8	248.8	340.9	465.9	575.4	692.7
7.5°	0.0	20.2	51.8	86.7	129.2	181.2	249.3	341.3	470.1	580.8	699.9
5°	0.0	20.1	51.7	86.5	129.1	181.1	249.1	340.3	472.4	584.4	704.7
2.5°	0.0	20.0	51.5	86.0	128.7	180.4	248.0	337.9	472.7	586.3	707.1
0°	0.0	19.9	51.2	85.4	128.0	179.2	246.1	334.3	470.9	586.1	707.0
-2.5°	0.0	20.0	51.5	86.0	128.7	180.4	248.0	337.9	472.7	586.3	707.1
-5°	0.0	20.1	51.7	86.5	129.1	181.1	249.1	340.3	472.4	584.4	704.7
-7.5°	0.0	20.2	51.8	86.7	129.2	181.2	249.3	341.3	470.1	580.8	699.9
-10°	0.0	20.2	51.7	86.8	128.9	180.8	248.8	340.9	465.9	575.4	692.7
-12.5°	0.0	20.2	51.5	86.6	128.3	179.9	247.3	339.0	460.0	568.4	683.4
-15°	0.0	20.1	51.2	86.2	127.5	178.5	245.0	335.5	452.4	560.0	671.9
-17.5°	0.0	20.0	50.8	85.6	126.3	176.5	241.8	331.7	443.4	550.0	658.1
-20°	0.0	19.8	50.3	84.7	124.7	174.0	239.1	327.7	433.5	538.3	642.0

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CATALOG NUMBER: GFLD-SA3D-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	19.6	49.6	83.7	122.9	170.9	237.9	322.7	422.6	525.1	623.7
-25°	0.0	19.4	48.8	82.4	120.8	169.5	236.0	316.8	411.1	510.4	603.3
-27.5°	0.0	19.1	47.9	81.0	118.4	168.5	233.1	310.1	399.1	494.4	584.6
-30°	0.0	18.8	46.9	79.3	116.0	166.8	229.5	302.6	388.3	478.0	564.6
-32.5°	0.0	18.4	45.7	77.3	114.9	164.4	225.1	296.6	378.0	461.7	543.3
-35°	0.0	18.0	44.4	75.2	113.4	161.3	221.1	290.4	367.0	445.6	520.6
-37.5°	0.0	17.5	43.1	72.9	111.4	158.1	216.8	283.3	355.5	429.7	498.5
-40°	0.0	17.0	41.6	70.3	109.0	155.2	211.5	275.3	343.5	415.3	476.8
-42.5°	0.0	16.4	40.0	67.8	106.3	151.7	205.4	266.5	332.6	397.0	454.0
-45°	0.0	15.8	38.3	65.6	103.3	147.6	198.5	257.5	321.5	377.3	430.4
-47.5°	0.0	15.2	36.5	63.0	99.8	142.8	190.7	248.3	309.4	356.9	407.7
-50°	0.0	14.5	34.6	60.4	95.9	137.4	183.7	238.0	292.6	338.0	384.1
-52.5°	0.0	13.8	32.6	57.6	91.5	131.4	176.2	226.7	275.5	318.6	360.1
-55°	0.0	13.1	30.5	54.4	86.6	124.9	168.0	214.7	257.9	298.7	338.2
-57.5°	0.0	12.3	28.3	51.0	81.3	117.7	159.0	203.7	239.4	277.8	315.9
-60°	0.0	11.5	26.0	47.3	75.6	110.0	149.2	189.8	220.6	256.0	292.5
-62.5°	0.0	10.6	24.2	43.3	69.5	101.7	138.4	174.5	202.0	233.5	267.1
-65°	0.0	9.8	22.2	39.1	62.9	92.9	126.9	158.2	182.5	210.2	241.0
-67.5°	0.0	8.9	20.2	34.6	56.0	83.2	114.7	141.1	162.1	185.9	212.8
-70°	0.0	7.9	18.2	30.0	48.7	72.7	101.8	123.6	141.5	160.6	183.1
-72.5°	0.0	7.0	16.0	26.2	41.1	61.7	87.0	105.7	120.4	136.2	153.0
-75°	0.0	6.0	13.8	22.6	33.1	50.3	71.4	86.8	99.0	111.4	124.7
-77.5°	0.0	5.1	11.6	19.0	27.4	38.5	55.3	67.5	77.7	86.8	95.9
-80°	0.0	4.1	9.3	15.3	22.0	29.6	38.8	48.2	56.4	63.7	70.2
-82.5°	0.0	3.1	7.0	11.5	16.6	22.3	28.6	31.8	35.0	40.6	45.5
-85°	0.0	2.0	4.7	7.7	11.1	14.9	19.1	21.2	22.9	24.3	25.3
-87.5°	0.0	1.0	2.4	3.8	5.6	7.5	9.6	10.6	11.4	12.1	12.6
-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°	12.8	12.8	12.6	12.2	11.7	11.0	10.1	9.1	9.4	9.8	10.2
85°	25.7	25.7	27.8	29.7	30.6	30.8	30.2	28.8	32.6	36.9	41.5
82.5°	50.1	54.4	58.5	62.3	62.8	61.8	59.9	57.6	65.3	74.5	84.1
80°	76.8	83.1	90.5	97.4	99.1	98.4	96.2	92.7	102.8	117.0	132.3
77.5°	106.5	116.7	126.2	134.9	137.4	137.1	135.5	132.7	145.4	165.0	185.5
75°	137.9	150.3	162.5	173.2	177.8	178.1	177.6	180.6	197.4	220.4	240.7
72.5°	170.7	186.4	200.1	211.9	219.3	224.9	232.4	241.5	258.5	281.1	300.9
70°	205.3	222.7	237.2	250.3	261.6	273.8	289.6	305.2	323.1	345.7	366.3
67.5°	239.5	257.1	273.5	289.6	310.1	329.8	349.4	369.8	392.3	416.0	436.9
65°	271.1	291.0	311.0	334.4	361.1	383.4	407.6	434.1	463.6	490.3	514.6
62.5°	301.5	324.0	348.7	376.9	405.9	433.8	466.2	500.3	534.9	568.3	601.4
60°	327.1	355.1	385.1	417.0	450.4	488.5	526.5	567.1	608.3	648.5	689.6
57.5°	351.8	386.4	421.0	458.1	499.8	543.3	588.9	634.6	683.9	732.6	779.2
55°	377.4	418.1	457.5	501.6	549.3	600.4	651.9	707.3	761.7	823.1	879.6
52.5°	404.7	449.1	495.4	545.8	601.5	659.1	719.5	783.0	850.8	918.9	988.1
50°	431.4	481.4	532.9	593.2	655.5	721.3	791.1	865.1	944.0	1022.9	1106.6
47.5°	459.2	512.7	575.6	641.1	712.5	787.4	866.4	954.4	1042.0	1141.4	1237.4
45°	486.8	548.2	616.4	692.5	771.0	855.3	949.3	1045.9	1157.8	1270.1	1396.1
42.5°	513.2	584.0	661.1	742.4	831.6	928.6	1032.6	1154.1	1280.2	1419.1	1567.1
40°	543.5	618.3	705.1	796.0	892.7	1003.5	1128.6	1263.5	1417.4	1582.0	1750.1
37.5°	572.9	656.9	748.4	847.0	959.3	1084.1	1222.2	1387.6	1565.1	1752.3	1981.0
35°	600.6	693.7	793.1	901.1	1022.7	1167.3	1332.5	1515.2	1719.9	1961.2	2228.1
32.5°	629.9	728.5	835.2	956.5	1094.0	1252.0	1439.7	1654.8	1897.0	2171.8	2505.7
30°	659.4	764.3	877.1	1008.3	1161.3	1344.1	1557.4	1795.2	2073.8	2418.4	2810.4
27.5°	686.7	797.8	921.4	1063.2	1226.8	1429.1	1670.5	1949.2	2277.4	2666.9	3124.8
25°	711.8	828.2	962.0	1115.5	1298.9	1520.9	1782.6	2091.3	2481.2	2945.7	3509.0
22.5°	735.7	856.0	998.8	1162.5	1364.0	1609.7	1904.3	2257.4	2688.5	3209.7	3885.4
20°	758.1	886.0	1035.3	1207.5	1422.1	1689.8	2016.1	2412.6	2903.2	3520.2	4254.5
17.5°	777.9	912.5	1069.8	1256.2	1486.9	1771.3	2121.6	2549.6	3094.2	3797.5	4595.0
15°	794.8	935.4	1099.7	1298.3	1545.2	1852.3	2232.3	2699.8	3293.5	4049.6	4894.0
12.5°	808.9	954.5	1124.8	1333.8	1594.2	1920.8	2326.9	2833.6	3487.6	4287.1	5156.5
10°	820.2	969.9	1145.1	1362.4	1633.7	1976.4	2404.8	2943.1	3649.1	4490.6	5378.5
7.5°	829.6	981.8	1160.6	1384.1	1663.6	2018.9	2465.5	3027.6	3775.4	4651.8	5548.9
5°	836.3	990.4	1172.4	1399.3	1685.6	2048.5	2507.9	3086.7	3865.2	4768.6	5665.5
2.5°	840.0	995.1	1179.1	1407.4	1699.0	2065.3	2530.1	3123.8	3914.5	4835.3	5735.9
0°	840.8	995.8	1180.8	1408.4	1702.8	2068.5	2533.6	3135.4	3924.9	4852.5	5761.5
-2.5°	840.0	995.1	1179.1	1407.4	1699.0	2065.3	2530.1	3123.8	3914.5	4835.3	5735.9
-5°	836.3	990.4	1172.4	1399.3	1685.6	2048.5	2507.9	3086.7	3865.2	4768.6	5665.5
-7.5°	829.6	981.8	1160.6	1384.1	1663.6	2018.9	2465.5	3027.6	3775.4	4651.8	5548.9
-10°	820.2	969.9	1145.1	1362.4	1633.7	1976.4	2404.8	2943.1	3649.1	4490.6	5378.5
-12.5°	808.9	954.5	1124.8	1333.8	1594.2	1920.8	2326.9	2833.6	3487.6	4287.1	5156.5
-15°	794.8	935.4	1099.7	1298.3	1545.2	1852.3	2232.3	2699.8	3293.5	4049.6	4894.0
-17.5°	777.9	912.5	1069.8	1256.2	1486.9	1771.3	2121.6	2549.6	3094.2	3797.5	4595.0
-20°	758.1	886.0	1035.3	1207.5	1422.1	1689.8	2016.1	2412.6	2903.2	3520.2	4254.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627213 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	735.7	856.0	998.8	1162.5	1364.0	1609.7	1904.3	2257.4	2688.5	3209.7	3885.4
-25°	711.8	828.2	962.0	1115.5	1298.9	1520.9	1782.6	2091.3	2481.2	2945.7	3509.0
-27.5°	686.7	797.8	921.4	1063.2	1226.8	1429.1	1670.5	1949.2	2277.4	2666.9	3124.8
-30°	659.4	764.3	877.1	1008.3	1161.3	1344.1	1557.4	1795.2	2073.8	2418.4	2810.4
-32.5°	629.9	728.5	835.2	956.5	1094.0	1252.0	1439.7	1654.8	1897.0	2171.8	2505.7
-35°	600.6	693.7	793.1	901.1	1022.7	1167.3	1332.5	1515.2	1719.9	1961.2	2228.1
-37.5°	572.9	656.9	748.4	847.0	959.3	1084.1	1222.2	1387.6	1565.1	1752.3	1981.0
-40°	543.5	618.3	705.1	796.0	892.7	1003.5	1128.6	1263.5	1417.4	1582.0	1750.1
-42.5°	513.2	584.0	661.1	742.4	831.6	928.6	1032.6	1154.1	1280.2	1419.1	1567.1
-45°	486.8	548.2	616.4	692.5	771.0	855.3	949.3	1045.9	1157.8	1270.1	1396.1
-47.5°	459.2	512.7	575.6	641.1	712.5	787.4	866.4	954.4	1042.0	1141.4	1237.4
-50°	431.4	481.4	532.9	593.2	655.5	721.3	791.1	865.1	944.0	1022.9	1106.6
-52.5°	404.7	449.1	495.4	545.8	601.5	659.1	719.5	783.0	850.8	918.9	988.1
-55°	377.4	418.1	457.5	501.6	549.3	600.4	651.9	707.3	761.7	823.1	879.6
-57.5°	351.8	386.4	421.0	458.1	499.8	543.3	588.9	634.6	683.9	732.6	779.2
-60°	327.1	355.1	385.1	417.0	450.4	488.5	526.5	567.1	608.3	648.5	689.6
-62.5°	301.5	324.0	348.7	376.9	405.9	433.8	466.2	500.3	534.9	568.3	601.4
-65°	271.1	291.0	311.0	334.4	361.1	383.4	407.6	434.1	463.6	490.3	514.6
-67.5°	239.5	257.1	273.5	289.6	310.1	329.8	349.4	369.8	392.3	416.0	436.9
-70°	205.3	222.7	237.2	250.3	261.6	273.8	289.6	305.2	323.1	345.7	366.3
-72.5°	170.7	186.4	200.1	211.9	219.3	224.9	232.4	241.5	258.5	281.1	300.9
-75°	137.9	150.3	162.5	173.2	177.8	178.1	177.6	180.6	197.4	220.4	240.7
-77.5°	106.5	116.7	126.2	134.9	137.4	137.1	135.5	132.7	145.4	165.0	185.5
-80°	76.8	83.1	90.5	97.4	99.1	98.4	96.2	92.7	102.8	117.0	132.3
-82.5°	50.1	54.4	58.5	62.3	62.8	61.8	59.9	57.6	65.3	74.5	84.1
-85°	25.7	25.7	27.8	29.7	30.6	30.8	30.2	28.8	32.6	36.9	41.5
-87.5°	12.8	12.8	12.6	12.2	11.7	11.0	10.1	9.1	9.4	9.8	10.2
-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: P627213 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-730-U-WR-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°	10.5	10.2	9.9	9.5	9.1	8.9	8.7	8.5	8.2	7.6	7.0
85°	46.2	47.3	47.9	48.1	48.2	49.7	51.1	52.4	53.6	48.6	43.1
82.5°	94.1	98.5	102.4	106.2	110.0	112.6	114.6	116.1	117.0	105.9	93.5
80°	148.1	157.4	165.0	172.4	179.4	181.2	181.1	180.1	178.2	163.1	145.9
77.5°	205.9	218.1	227.7	237.3	246.7	250.1	251.8	253.1	253.9	235.2	212.1
75°	258.4	272.9	286.4	298.9	310.5	316.6	320.2	323.2	325.4	306.6	281.8
72.5°	318.3	333.6	348.2	362.1	374.3	382.4	387.7	392.1	395.5	384.8	369.3
70°	384.1	399.9	415.3	429.8	443.6	454.5	463.1	470.6	476.7	477.9	477.4
67.5°	457.1	475.9	494.2	510.0	526.4	541.8	555.4	566.6	575.6	581.6	584.9
65°	539.2	567.3	592.4	613.6	631.4	651.9	670.1	683.9	693.7	701.1	707.5
62.5°	635.8	669.9	698.6	726.9	756.1	784.5	802.2	820.1	837.5	853.9	867.9
60°	728.8	766.3	805.0	841.2	874.7	905.5	937.3	965.6	990.3	1010.9	1026.3
57.5°	828.0	873.5	917.6	963.5	1006.8	1047.1	1086.4	1122.7	1154.1	1180.5	1202.1
55°	935.5	991.3	1043.7	1102.0	1158.5	1210.0	1257.4	1306.0	1349.8	1388.4	1419.0
52.5°	1051.6	1124.0	1193.5	1261.9	1335.1	1401.1	1460.3	1527.7	1587.4	1636.9	1675.3
50°	1190.1	1275.2	1366.9	1451.6	1544.0	1634.9	1718.8	1800.0	1879.4	1948.2	2003.7
47.5°	1347.8	1452.5	1566.1	1678.5	1793.2	1917.5	2028.4	2131.5	2242.6	2339.0	2416.4
45°	1523.1	1656.7	1793.8	1951.8	2097.4	2257.1	2405.0	2537.8	2695.2	2834.0	2945.7
42.5°	1717.6	1895.5	2075.8	2274.9	2468.0	2670.8	2886.2	3077.3	3286.2	3485.3	3646.3
40°	1958.7	2171.3	2412.8	2653.8	2931.0	3191.4	3505.2	3790.3	4049.3	4286.8	4481.4
37.5°	2226.5	2500.3	2803.7	3117.5	3496.8	3868.6	4235.9	4582.7	4888.9	5148.8	5366.8
35°	2530.6	2878.5	3246.0	3704.1	4148.5	4593.8	5008.7	5387.7	5720.7	6014.0	6263.3
32.5°	2880.4	3297.9	3812.4	4327.0	4834.0	5324.3	5779.8	6193.2	6558.3	6887.6	7174.4
30°	3248.2	3817.8	4395.2	4959.9	5513.6	6050.6	6550.5	7005.8	7418.5	7785.0	8115.4
27.5°	3715.5	4346.7	4976.4	5585.1	6194.2	6782.1	7323.8	7829.6	8303.0	8717.4	9095.0
25°	4167.5	4864.9	5534.3	6197.9	6861.0	7492.0	8097.8	8669.0	9211.3	9686.8	10108.5
22.5°	4619.5	5349.4	6064.7	6778.3	7490.5	8194.1	8874.2	9528.8	10135.2	10676.7	11151.3
20°	5038.1	5801.1	6566.0	7335.3	8107.4	8877.5	9641.4	10378.0	11053.6	11678.7	12228.0
17.5°	5413.4	6224.9	7035.8	7858.7	8695.6	9531.7	10380.3	11206.0	11978.4	12689.6	13326.9
15°	5745.7	6592.5	7463.4	8351.4	9250.1	10158.1	11084.0	12007.9	12877.4	13685.2	14396.7
12.5°	6036.3	6916.6	7829.5	8772.9	9748.4	10737.5	11748.1	12760.8	13723.3	14656.0	15424.1
10°	6276.0	7192.3	8146.4	9137.7	10166.4	11231.0	12315.2	13405.3	14465.7	15455.1	16333.6
7.5°	6461.2	7411.8	8395.0	9426.0	10505.2	11627.9	12776.4	13933.2	15064.8	16130.9	17102.9
5°	6591.8	7571.5	8567.1	9639.5	10756.3	11919.7	13113.3	14318.9	15501.8	16622.8	17630.1
2.5°	6667.6	7667.4	8667.3	9769.3	10905.6	12096.3	13322.3	14547.6	15761.8	16924.4	17959.6
0°	6687.6	7696.2	8724.8	9783.2	10952.6	12178.8	13361.0	14590.1	15852.0	16998.6	18030.0
-2.5°	6667.6	7667.4	8667.3	9769.3	10905.6	12096.3	13322.3	14547.6	15761.8	16924.4	17959.6
-5°	6591.8	7571.5	8567.1	9639.5	10756.3	11919.7	13113.3	14318.9	15501.8	16622.8	17630.1
-7.5°	6461.2	7411.8	8395.0	9426.0	10505.2	11627.9	12776.4	13933.2	15064.8	16130.9	17102.9
-10°	6276.0	7192.3	8146.4	9137.7	10166.4	11231.0	12315.2	13405.3	14465.7	15455.1	16333.6
-12.5°	6036.3	6916.6	7829.5	8772.9	9748.4	10737.5	11748.1	12760.8	13723.3	14656.0	15424.1
-15°	5745.7	6592.5	7463.4	8351.4	9250.1	10158.1	11084.0	12007.9	12877.4	13685.2	14396.7
-17.5°	5413.4	6224.9	7035.8	7858.7	8695.6	9531.7	10380.3	11206.0	11978.4	12689.6	13326.9
-20°	5038.1	5801.1	6566.0	7335.3	8107.4	8877.5	9641.4	10378.0	11053.6	11678.7	12228.0



REPORT NUMBER: P627213 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4619.5	5349.4	6064.7	6778.3	7490.5	8194.1	8874.2	9528.8	10135.2	10676.7	11151.3
-25°	4167.5	4864.9	5534.3	6197.9	6861.0	7492.0	8097.8	8669.0	9211.3	9686.8	10108.5
-27.5°	3715.5	4346.7	4976.4	5585.1	6194.2	6782.1	7323.8	7829.6	8303.0	8717.4	9095.0
-30°	3248.2	3817.8	4395.2	4959.9	5513.6	6050.6	6550.5	7005.8	7418.5	7785.0	8115.4
-32.5°	2880.4	3297.9	3812.4	4327.0	4834.0	5324.3	5779.8	6193.2	6558.3	6887.6	7174.4
-35°	2530.6	2878.5	3246.0	3704.1	4148.5	4593.8	5008.7	5387.7	5720.7	6014.0	6263.3
-37.5°	2226.5	2500.3	2803.7	3117.5	3496.8	3868.6	4235.9	4582.7	4888.9	5148.8	5366.8
-40°	1958.7	2171.3	2412.8	2653.8	2931.0	3191.4	3505.2	3790.3	4049.3	4286.8	4481.4
-42.5°	1717.6	1895.5	2075.8	2274.9	2468.0	2670.8	2886.2	3077.3	3286.2	3485.3	3646.3
-45°	1523.1	1656.7	1793.8	1951.8	2097.4	2257.1	2405.0	2537.8	2695.2	2834.0	2945.7
-47.5°	1347.8	1452.5	1566.1	1678.5	1793.2	1917.5	2028.4	2131.5	2242.6	2339.0	2416.4
-50°	1190.1	1275.2	1366.9	1451.6	1544.0	1634.9	1718.8	1800.0	1879.4	1948.2	2003.7
-52.5°	1051.6	1124.0	1193.5	1261.9	1335.1	1401.1	1460.3	1527.7	1587.4	1636.9	1675.3
-55°	935.5	991.3	1043.7	1102.0	1158.5	1210.0	1257.4	1306.0	1349.8	1388.4	1419.0
-57.5°	828.0	873.5	917.6	963.5	1006.8	1047.1	1086.4	1122.7	1154.1	1180.5	1202.1
-60°	728.8	766.3	805.0	841.2	874.7	905.5	937.3	965.6	990.3	1010.9	1026.3
-62.5°	635.8	669.9	698.6	726.9	756.1	784.5	802.2	820.1	837.5	853.9	867.9
-65°	539.2	567.3	592.4	613.6	631.4	651.9	670.1	683.9	693.7	701.1	707.5
-67.5°	457.1	475.9	494.2	510.0	526.4	541.8	555.4	566.6	575.6	581.6	584.9
-70°	384.1	399.9	415.3	429.8	443.6	454.5	463.1	470.6	476.7	477.9	477.4
-72.5°	318.3	333.6	348.2	362.1	374.3	382.4	387.7	392.1	395.5	384.8	369.3
-75°	258.4	272.9	286.4	298.9	310.5	316.6	320.2	323.2	325.4	306.6	281.8
-77.5°	205.9	218.1	227.7	237.3	246.7	250.1	251.8	253.1	253.9	235.2	212.1
-80°	148.1	157.4	165.0	172.4	179.4	181.2	181.1	180.1	178.2	163.1	145.9
-82.5°	94.1	98.5	102.4	106.2	110.0	112.6	114.6	116.1	117.0	105.9	93.5
-85°	46.2	47.3	47.9	48.1	48.2	49.7	51.1	52.4	53.6	48.6	43.1
-87.5°	10.5	10.2	9.9	9.5	9.1	8.9	8.7	8.5	8.2	7.6	7.0
-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: P627213 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-730-U-WR-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°	6.3	5.7	5.0	4.3	5.0	5.7	6.3	7.0	7.6	8.2	8.5
85°	37.2	31.2	30.6	29.9	30.6	31.2	37.2	43.1	48.6	53.6	52.4
82.5°	80.4	66.7	64.7	62.6	64.7	66.7	80.4	93.5	105.9	117.0	116.1
80°	128.0	109.4	105.8	102.4	105.8	109.4	128.0	145.9	163.1	178.2	180.1
77.5°	187.8	162.4	155.0	147.9	155.0	162.4	187.8	212.1	235.2	253.9	253.1
75°	256.1	229.4	220.4	212.0	220.4	229.4	256.1	281.8	306.6	325.4	323.2
72.5°	353.6	337.4	321.0	303.0	321.0	337.4	353.6	369.3	384.8	395.5	392.1
70°	476.8	475.7	471.6	465.2	471.6	475.7	476.8	477.4	477.9	476.7	470.6
67.5°	586.3	585.9	587.3	587.5	587.3	585.9	586.3	584.9	581.6	575.6	566.6
65°	711.4	712.8	715.7	717.0	715.7	712.8	711.4	707.5	701.1	693.7	683.9
62.5°	878.7	886.0	889.5	889.1	889.5	886.0	878.7	867.9	853.9	837.5	820.1
60°	1037.8	1045.3	1050.1	1051.3	1050.1	1045.3	1037.8	1026.3	1010.9	990.3	965.6
57.5°	1219.2	1231.6	1238.1	1239.1	1238.1	1231.6	1219.2	1202.1	1180.5	1154.1	1122.7
55°	1442.4	1458.8	1466.1	1465.3	1466.1	1458.8	1442.4	1419.0	1388.4	1349.8	1306.0
52.5°	1704.4	1724.4	1739.3	1748.4	1739.3	1724.4	1704.4	1675.3	1636.9	1587.4	1527.7
50°	2045.5	2074.1	2092.3	2099.7	2092.3	2074.1	2045.5	2003.7	1948.2	1879.4	1800.0
47.5°	2472.3	2510.2	2538.3	2557.8	2538.3	2510.2	2472.3	2416.4	2339.0	2242.6	2131.5
45°	3028.2	3086.0	3125.3	3148.2	3125.3	3086.0	3028.2	2945.7	2834.0	2695.2	2537.8
42.5°	3772.0	3861.7	3916.6	3937.7	3916.6	3861.7	3772.0	3646.3	3485.3	3286.2	3077.3
40°	4635.1	4742.9	4813.6	4862.4	4813.6	4742.9	4635.1	4481.4	4286.8	4049.3	3790.3
37.5°	5534.2	5647.3	5716.2	5762.9	5716.2	5647.3	5534.2	5366.8	5148.8	4888.9	4582.7
35°	6451.3	6569.8	6634.4	6670.5	6634.4	6569.8	6451.3	6263.3	6014.0	5720.7	5387.7
32.5°	7393.0	7523.5	7593.8	7666.4	7593.8	7523.5	7393.0	7174.4	6887.6	6558.3	6193.2
30°	8376.4	8526.2	8599.7	8635.1	8599.7	8526.2	8376.4	8115.4	7785.0	7418.5	7005.8
27.5°	9399.8	9586.5	9678.5	9739.1	9678.5	9586.5	9399.8	9095.0	8717.4	8303.0	7829.6
25°	10464.6	10696.0	10801.4	10895.7	10801.4	10696.0	10464.6	10108.5	9686.8	9211.3	8669.0
22.5°	11569.4	11857.5	11979.5	12046.5	11979.5	11857.5	11569.4	11151.3	10676.7	10135.2	9528.8
20°	12702.9	13047.3	13216.8	13304.1	13216.8	13047.3	12702.9	12228.0	11678.7	11053.6	10378.0
17.5°	13862.1	14290.5	14509.9	14560.3	14509.9	14290.5	13862.1	13326.9	12689.6	11978.4	11206.0
15°	15000.2	15463.5	15722.8	15817.8	15722.8	15463.5	15000.2	14396.7	13685.2	12877.4	12007.9
12.5°	16077.8	16558.1	16868.0	16923.2	16868.0	16558.1	16077.8	15424.1	14656.0	13723.3	12760.8
10°	17055.3	17552.8	17895.1	17973.1	17895.1	17552.8	17055.3	16333.6	15455.1	14465.7	13405.3
7.5°	17872.4	18418.2	18796.4	18862.2	18796.4	18418.2	17872.4	17102.9	16130.9	15064.8	13933.2
5°	18470.3	19118.3	19428.7	19506.6	19428.7	19118.3	18470.3	17630.1	16622.8	15501.8	14318.9
2.5°	18798.2	19457.9	19889.4	19839.5	19889.4	19457.9	18798.2	17959.6	16924.4	15761.8	14547.6
0°	18835.2	19525.1	19937.7	20128.3	19937.7	19525.1	18835.2	18030.0	16998.6	15852.0	14590.1
-2.5°	18798.2	19457.9	19889.4	19839.5	19889.4	19457.9	18798.2	17959.6	16924.4	15761.8	14547.6
-5°	18470.3	19118.3	19428.7	19506.6	19428.7	19118.3	18470.3	17630.1	16622.8	15501.8	14318.9
-7.5°	17872.4	18418.2	18796.4	18862.2	18796.4	18418.2	17872.4	17102.9	16130.9	15064.8	13933.2
-10°	17055.3	17552.8	17895.1	17973.1	17895.1	17552.8	17055.3	16333.6	15455.1	14465.7	13405.3
-12.5°	16077.8	16558.1	16868.0	16923.2	16868.0	16558.1	16077.8	15424.1	14656.0	13723.3	12760.8
-15°	15000.2	15463.5	15722.8	15817.8	15722.8	15463.5	15000.2	14396.7	13685.2	12877.4	12007.9
-17.5°	13862.1	14290.5	14509.9	14560.3	14509.9	14290.5	13862.1	13326.9	12689.6	11978.4	11206.0
-20°	12702.9	13047.3	13216.8	13304.1	13216.8	13047.3	12702.9	12228.0	11678.7	11053.6	10378.0



REPORT NUMBER: P627213 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11569.4	11857.5	11979.5	12046.5	11979.5	11857.5	11569.4	11151.3	10676.7	10135.2	9528.8
-25°	10464.6	10696.0	10801.4	10895.7	10801.4	10696.0	10464.6	10108.5	9686.8	9211.3	8669.0
-27.5°	9399.8	9586.5	9678.5	9739.1	9678.5	9586.5	9399.8	9095.0	8717.4	8303.0	7829.6
-30°	8376.4	8526.2	8599.7	8635.1	8599.7	8526.2	8376.4	8115.4	7785.0	7418.5	7005.8
-32.5°	7393.0	7523.5	7593.8	7666.4	7593.8	7523.5	7393.0	7174.4	6887.6	6558.3	6193.2
-35°	6451.3	6569.8	6634.4	6670.5	6634.4	6569.8	6451.3	6263.3	6014.0	5720.7	5387.7
-37.5°	5534.2	5647.3	5716.2	5762.9	5716.2	5647.3	5534.2	5366.8	5148.8	4888.9	4582.7
-40°	4635.1	4742.9	4813.6	4862.4	4813.6	4742.9	4635.1	4481.4	4286.8	4049.3	3790.3
-42.5°	3772.0	3861.7	3916.6	3937.7	3916.6	3861.7	3772.0	3646.3	3485.3	3286.2	3077.3
-45°	3028.2	3086.0	3125.3	3148.2	3125.3	3086.0	3028.2	2945.7	2834.0	2695.2	2537.8
-47.5°	2472.3	2510.2	2538.3	2557.8	2538.3	2510.2	2472.3	2416.4	2339.0	2242.6	2131.5
-50°	2045.5	2074.1	2092.3	2099.7	2092.3	2074.1	2045.5	2003.7	1948.2	1879.4	1800.0
-52.5°	1704.4	1724.4	1739.3	1748.4	1739.3	1724.4	1704.4	1675.3	1636.9	1587.4	1527.7
-55°	1442.4	1458.8	1466.1	1465.3	1466.1	1458.8	1442.4	1419.0	1388.4	1349.8	1306.0
-57.5°	1219.2	1231.6	1238.1	1239.1	1238.1	1231.6	1219.2	1202.1	1180.5	1154.1	1122.7
-60°	1037.8	1045.3	1050.1	1051.3	1050.1	1045.3	1037.8	1026.3	1010.9	990.3	965.6
-62.5°	878.7	886.0	889.5	889.1	889.5	886.0	878.7	867.9	853.9	837.5	820.1
-65°	711.4	712.8	715.7	717.0	715.7	712.8	711.4	707.5	701.1	693.7	683.9
-67.5°	586.3	585.9	587.3	587.5	587.3	585.9	586.3	584.9	581.6	575.6	566.6
-70°	476.8	475.7	471.6	465.2	471.6	475.7	476.8	477.4	477.9	476.7	470.6
-72.5°	353.6	337.4	321.0	303.0	321.0	337.4	353.6	369.3	384.8	395.5	392.1
-75°	256.1	229.4	220.4	212.0	220.4	229.4	256.1	281.8	306.6	325.4	323.2
-77.5°	187.8	162.4	155.0	147.9	155.0	162.4	187.8	212.1	235.2	253.9	253.1
-80°	128.0	109.4	105.8	102.4	105.8	109.4	128.0	145.9	163.1	178.2	180.1
-82.5°	80.4	66.7	64.7	62.6	64.7	66.7	80.4	93.5	105.9	117.0	116.1
-85°	37.2	31.2	30.6	29.9	30.6	31.2	37.2	43.1	48.6	53.6	52.4
-87.5°	6.3	5.7	5.0	4.3	5.0	5.7	6.3	7.0	7.6	8.2	8.5
-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: P627213 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-730-U-WR-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°	8.7	8.9	9.1	9.5	9.9	10.2	10.5	10.2	9.8	9.4	9.1
85°	51.1	49.7	48.2	48.1	47.9	47.3	46.2	41.5	36.9	32.6	28.8
82.5°	114.6	112.6	110.0	106.2	102.4	98.5	94.1	84.1	74.5	65.3	57.6
80°	181.1	181.2	179.4	172.4	165.0	157.4	148.1	132.3	117.0	102.8	92.7
77.5°	251.8	250.1	246.7	237.3	227.7	218.1	205.9	185.5	165.0	145.4	132.7
75°	320.2	316.6	310.5	298.9	286.4	272.9	258.4	240.7	220.4	197.4	180.6
72.5°	387.7	382.4	374.3	362.1	348.2	333.6	318.3	300.9	281.1	258.5	241.5
70°	463.1	454.5	443.6	429.8	415.3	399.9	384.1	366.3	345.7	323.1	305.2
67.5°	555.4	541.8	526.4	510.0	494.2	475.9	457.1	436.9	416.0	392.3	369.8
65°	670.1	651.9	631.4	613.6	592.4	567.3	539.2	514.6	490.3	463.6	434.1
62.5°	802.2	784.5	756.1	726.9	698.6	669.9	635.8	601.4	568.3	534.9	500.3
60°	937.3	905.5	874.7	841.2	805.0	766.3	728.8	689.6	648.5	608.3	567.1
57.5°	1086.4	1047.1	1006.8	963.5	917.6	873.5	828.0	779.2	732.6	683.9	634.6
55°	1257.4	1210.0	1158.5	1102.0	1043.7	991.3	935.5	879.6	823.1	761.7	707.3
52.5°	1460.3	1401.1	1335.1	1261.9	1193.5	1124.0	1051.6	988.1	918.9	850.8	783.0
50°	1718.8	1634.9	1544.0	1451.6	1366.9	1275.2	1190.1	1106.6	1022.9	944.0	865.1
47.5°	2028.4	1917.5	1793.2	1678.5	1566.1	1452.5	1347.8	1237.4	1141.4	1042.0	954.4
45°	2405.0	2257.1	2097.4	1951.8	1793.8	1656.7	1523.1	1396.1	1270.1	1157.8	1045.9
42.5°	2886.2	2670.8	2468.0	2274.9	2075.8	1895.5	1717.6	1567.1	1419.1	1280.2	1154.1
40°	3505.2	3191.4	2931.0	2653.8	2412.8	2171.3	1958.7	1750.1	1582.0	1417.4	1263.5
37.5°	4235.9	3868.6	3496.8	3117.5	2803.7	2500.3	2226.5	1981.0	1752.3	1565.1	1387.6
35°	5008.7	4593.8	4148.5	3704.1	3246.0	2878.5	2530.6	2228.1	1961.2	1719.9	1515.2
32.5°	5779.8	5324.3	4834.0	4327.0	3812.4	3297.9	2880.4	2505.7	2171.8	1897.0	1654.8
30°	6550.5	6050.6	5513.6	4959.9	4395.2	3817.8	3248.2	2810.4	2418.4	2073.8	1795.2
27.5°	7323.8	6782.1	6194.2	5585.1	4976.4	4346.7	3715.5	3124.8	2666.9	2277.4	1949.2
25°	8097.8	7492.0	6861.0	6197.9	5534.3	4864.9	4167.5	3509.0	2945.7	2481.2	2091.3
22.5°	8874.2	8194.1	7490.5	6778.3	6064.7	5349.4	4619.5	3885.4	3209.7	2688.5	2257.4
20°	9641.4	8877.5	8107.4	7335.3	6566.0	5801.1	5038.1	4254.5	3520.2	2903.2	2412.6
17.5°	10380.3	9531.7	8695.6	7858.7	7035.8	6224.9	5413.4	4595.0	3797.5	3094.2	2549.6
15°	11084.0	10158.1	9250.1	8351.4	7463.4	6592.5	5745.7	4894.0	4049.6	3293.5	2699.8
12.5°	11748.1	10737.5	9748.4	8772.9	7829.5	6916.6	6036.3	5156.5	4287.1	3487.6	2833.6
10°	12315.2	11231.0	10166.4	9137.7	8146.4	7192.3	6276.0	5378.5	4490.6	3649.1	2943.1
7.5°	12776.4	11627.9	10505.2	9426.0	8395.0	7411.8	6461.2	5548.9	4651.8	3775.4	3027.6
5°	13113.3	11919.7	10756.3	9639.5	8567.1	7571.5	6591.8	5665.5	4768.6	3865.2	3086.7
2.5°	13322.3	12096.3	10905.6	9769.3	8667.3	7667.4	6667.6	5735.9	4835.3	3914.5	3123.8
0°	13361.0	12178.8	10952.6	9783.2	8724.8	7696.2	6687.6	5761.5	4852.5	3924.9	3135.4
-2.5°	13322.3	12096.3	10905.6	9769.3	8667.3	7667.4	6667.6	5735.9	4835.3	3914.5	3123.8
-5°	13113.3	11919.7	10756.3	9639.5	8567.1	7571.5	6591.8	5665.5	4768.6	3865.2	3086.7
-7.5°	12776.4	11627.9	10505.2	9426.0	8395.0	7411.8	6461.2	5548.9	4651.8	3775.4	3027.6
-10°	12315.2	11231.0	10166.4	9137.7	8146.4	7192.3	6276.0	5378.5	4490.6	3649.1	2943.1
-12.5°	11748.1	10737.5	9748.4	8772.9	7829.5	6916.6	6036.3	5156.5	4287.1	3487.6	2833.6
-15°	11084.0	10158.1	9250.1	8351.4	7463.4	6592.5	5745.7	4894.0	4049.6	3293.5	2699.8
-17.5°	10380.3	9531.7	8695.6	7858.7	7035.8	6224.9	5413.4	4595.0	3797.5	3094.2	2549.6
-20°	9641.4	8877.5	8107.4	7335.3	6566.0	5801.1	5038.1	4254.5	3520.2	2903.2	2412.6



REPORT NUMBER: P627213 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8874.2	8194.1	7490.5	6778.3	6064.7	5349.4	4619.5	3885.4	3209.7	2688.5	2257.4
-25°	8097.8	7492.0	6861.0	6197.9	5534.3	4864.9	4167.5	3509.0	2945.7	2481.2	2091.3
-27.5°	7323.8	6782.1	6194.2	5585.1	4976.4	4346.7	3715.5	3124.8	2666.9	2277.4	1949.2
-30°	6550.5	6050.6	5513.6	4959.9	4395.2	3817.8	3248.2	2810.4	2418.4	2073.8	1795.2
-32.5°	5779.8	5324.3	4834.0	4327.0	3812.4	3297.9	2880.4	2505.7	2171.8	1897.0	1654.8
-35°	5008.7	4593.8	4148.5	3704.1	3246.0	2878.5	2530.6	2228.1	1961.2	1719.9	1515.2
-37.5°	4235.9	3868.6	3496.8	3117.5	2803.7	2500.3	2226.5	1981.0	1752.3	1565.1	1387.6
-40°	3505.2	3191.4	2931.0	2653.8	2412.8	2171.3	1958.7	1750.1	1582.0	1417.4	1263.5
-42.5°	2886.2	2670.8	2468.0	2274.9	2075.8	1895.5	1717.6	1567.1	1419.1	1280.2	1154.1
-45°	2405.0	2257.1	2097.4	1951.8	1793.8	1656.7	1523.1	1396.1	1270.1	1157.8	1045.9
-47.5°	2028.4	1917.5	1793.2	1678.5	1566.1	1452.5	1347.8	1237.4	1141.4	1042.0	954.4
-50°	1718.8	1634.9	1544.0	1451.6	1366.9	1275.2	1190.1	1106.6	1022.9	944.0	865.1
-52.5°	1460.3	1401.1	1335.1	1261.9	1193.5	1124.0	1051.6	988.1	918.9	850.8	783.0
-55°	1257.4	1210.0	1158.5	1102.0	1043.7	991.3	935.5	879.6	823.1	761.7	707.3
-57.5°	1086.4	1047.1	1006.8	963.5	917.6	873.5	828.0	779.2	732.6	683.9	634.6
-60°	937.3	905.5	874.7	841.2	805.0	766.3	728.8	689.6	648.5	608.3	567.1
-62.5°	802.2	784.5	756.1	726.9	698.6	669.9	635.8	601.4	568.3	534.9	500.3
-65°	670.1	651.9	631.4	613.6	592.4	567.3	539.2	514.6	490.3	463.6	434.1
-67.5°	555.4	541.8	526.4	510.0	494.2	475.9	457.1	436.9	416.0	392.3	369.8
-70°	463.1	454.5	443.6	429.8	415.3	399.9	384.1	366.3	345.7	323.1	305.2
-72.5°	387.7	382.4	374.3	362.1	348.2	333.6	318.3	300.9	281.1	258.5	241.5
-75°	320.2	316.6	310.5	298.9	286.4	272.9	258.4	240.7	220.4	197.4	180.6
-77.5°	251.8	250.1	246.7	237.3	227.7	218.1	205.9	185.5	165.0	145.4	132.7
-80°	181.1	181.2	179.4	172.4	165.0	157.4	148.1	132.3	117.0	102.8	92.7
-82.5°	114.6	112.6	110.0	106.2	102.4	98.5	94.1	84.1	74.5	65.3	57.6
-85°	51.1	49.7	48.2	48.1	47.9	47.3	46.2	41.5	36.9	32.6	28.8
-87.5°	8.7	8.9	9.1	9.5	9.9	10.2	10.5	10.2	9.8	9.4	9.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627213 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-730-U-WR-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°	10.1	11.0	11.7	12.2	12.6	12.8	12.8	12.6	12.1	11.4	10.6
85°	30.2	30.8	30.6	29.7	27.8	25.7	25.7	25.3	24.3	22.9	21.2
82.5°	59.9	61.8	62.8	62.3	58.5	54.4	50.1	45.5	40.6	35.0	31.8
80°	96.2	98.4	99.1	97.4	90.5	83.1	76.8	70.2	63.7	56.4	48.2
77.5°	135.5	137.1	137.4	134.9	126.2	116.7	106.5	95.9	86.8	77.7	67.5
75°	177.6	178.1	177.8	173.2	162.5	150.3	137.9	124.7	111.4	99.0	86.8
72.5°	232.4	224.9	219.3	211.9	200.1	186.4	170.7	153.0	136.2	120.4	105.7
70°	289.6	273.8	261.6	250.3	237.2	222.7	205.3	183.1	160.6	141.5	123.6
67.5°	349.4	329.8	310.1	289.6	273.5	257.1	239.5	212.8	185.9	162.1	141.1
65°	407.6	383.4	361.1	334.4	311.0	291.0	271.1	241.0	210.2	182.5	158.2
62.5°	466.2	433.8	405.9	376.9	348.7	324.0	301.5	267.1	233.5	202.0	174.5
60°	526.5	488.5	450.4	417.0	385.1	355.1	327.1	292.5	256.0	220.6	189.8
57.5°	588.9	543.3	499.8	458.1	421.0	386.4	351.8	315.9	277.8	239.4	203.7
55°	651.9	600.4	549.3	501.6	457.5	418.1	377.4	338.2	298.7	257.9	214.7
52.5°	719.5	659.1	601.5	545.8	495.4	449.1	404.7	360.1	318.6	275.5	226.7
50°	791.1	721.3	655.5	593.2	532.9	481.4	431.4	384.1	338.0	292.6	238.0
47.5°	866.4	787.4	712.5	641.1	575.6	512.7	459.2	407.7	356.9	309.4	248.3
45°	949.3	855.3	771.0	692.5	616.4	548.2	486.8	430.4	377.3	321.5	257.5
42.5°	1032.6	928.6	831.6	742.4	661.1	584.0	513.2	454.0	397.0	332.6	266.5
40°	1128.6	1003.5	892.7	796.0	705.1	618.3	543.5	476.8	415.3	343.5	275.3
37.5°	1222.2	1084.1	959.3	847.0	748.4	656.9	572.9	498.5	429.7	355.5	283.3
35°	1332.5	1167.3	1022.7	901.1	793.1	693.7	600.6	520.6	445.6	367.0	290.4
32.5°	1439.7	1252.0	1094.0	956.5	835.2	728.5	629.9	543.3	461.7	378.0	296.6
30°	1557.4	1344.1	1161.3	1008.3	877.1	764.3	659.4	564.6	478.0	388.3	302.6
27.5°	1670.5	1429.1	1226.8	1063.2	921.4	797.8	686.7	584.6	494.4	399.1	310.1
25°	1782.6	1520.9	1298.9	1115.5	962.0	828.2	711.8	603.3	510.4	411.1	316.8
22.5°	1904.3	1609.7	1364.0	1162.5	998.8	856.0	735.7	623.7	525.1	422.6	322.7
20°	2016.1	1689.8	1422.1	1207.5	1035.3	886.0	758.1	642.0	538.3	433.5	327.7
17.5°	2121.6	1771.3	1486.9	1256.2	1069.8	912.5	777.9	658.1	550.0	443.4	331.7
15°	2232.3	1852.3	1545.2	1298.3	1099.7	935.4	794.8	671.9	560.0	452.4	335.5
12.5°	2326.9	1920.8	1594.2	1333.8	1124.8	954.5	808.9	683.4	568.4	460.0	339.0
10°	2404.8	1976.4	1633.7	1362.4	1145.1	969.9	820.2	692.7	575.4	465.9	340.9
7.5°	2465.5	2018.9	1663.6	1384.1	1160.6	981.8	829.6	699.9	580.8	470.1	341.3
5°	2507.9	2048.5	1685.6	1399.3	1172.4	990.4	836.3	704.7	584.4	472.4	340.3
2.5°	2530.1	2065.3	1699.0	1407.4	1179.1	995.1	840.0	707.1	586.3	472.7	337.9
0°	2533.6	2068.5	1702.8	1408.4	1180.8	995.8	840.8	707.0	586.1	470.9	334.3
-2.5°	2530.1	2065.3	1699.0	1407.4	1179.1	995.1	840.0	707.1	586.3	472.7	337.9
-5°	2507.9	2048.5	1685.6	1399.3	1172.4	990.4	836.3	704.7	584.4	472.4	340.3
-7.5°	2465.5	2018.9	1663.6	1384.1	1160.6	981.8	829.6	699.9	580.8	470.1	341.3
-10°	2404.8	1976.4	1633.7	1362.4	1145.1	969.9	820.2	692.7	575.4	465.9	340.9
-12.5°	2326.9	1920.8	1594.2	1333.8	1124.8	954.5	808.9	683.4	568.4	460.0	339.0
-15°	2232.3	1852.3	1545.2	1298.3	1099.7	935.4	794.8	671.9	560.0	452.4	335.5
-17.5°	2121.6	1771.3	1486.9	1256.2	1069.8	912.5	777.9	658.1	550.0	443.4	331.7
-20°	2016.1	1689.8	1422.1	1207.5	1035.3	886.0	758.1	642.0	538.3	433.5	327.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627213 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1904.3	1609.7	1364.0	1162.5	998.8	856.0	735.7	623.7	525.1	422.6	322.7
-25°	1782.6	1520.9	1298.9	1115.5	962.0	828.2	711.8	603.3	510.4	411.1	316.8
-27.5°	1670.5	1429.1	1226.8	1063.2	921.4	797.8	686.7	584.6	494.4	399.1	310.1
-30°	1557.4	1344.1	1161.3	1008.3	877.1	764.3	659.4	564.6	478.0	388.3	302.6
-32.5°	1439.7	1252.0	1094.0	956.5	835.2	728.5	629.9	543.3	461.7	378.0	296.6
-35°	1332.5	1167.3	1022.7	901.1	793.1	693.7	600.6	520.6	445.6	367.0	290.4
-37.5°	1222.2	1084.1	959.3	847.0	748.4	656.9	572.9	498.5	429.7	355.5	283.3
-40°	1128.6	1003.5	892.7	796.0	705.1	618.3	543.5	476.8	415.3	343.5	275.3
-42.5°	1032.6	928.6	831.6	742.4	661.1	584.0	513.2	454.0	397.0	332.6	266.5
-45°	949.3	855.3	771.0	692.5	616.4	548.2	486.8	430.4	377.3	321.5	257.5
-47.5°	866.4	787.4	712.5	641.1	575.6	512.7	459.2	407.7	356.9	309.4	248.3
-50°	791.1	721.3	655.5	593.2	532.9	481.4	431.4	384.1	338.0	292.6	238.0
-52.5°	719.5	659.1	601.5	545.8	495.4	449.1	404.7	360.1	318.6	275.5	226.7
-55°	651.9	600.4	549.3	501.6	457.5	418.1	377.4	338.2	298.7	257.9	214.7
-57.5°	588.9	543.3	499.8	458.1	421.0	386.4	351.8	315.9	277.8	239.4	203.7
-60°	526.5	488.5	450.4	417.0	385.1	355.1	327.1	292.5	256.0	220.6	189.8
-62.5°	466.2	433.8	405.9	376.9	348.7	324.0	301.5	267.1	233.5	202.0	174.5
-65°	407.6	383.4	361.1	334.4	311.0	291.0	271.1	241.0	210.2	182.5	158.2
-67.5°	349.4	329.8	310.1	289.6	273.5	257.1	239.5	212.8	185.9	162.1	141.1
-70°	289.6	273.8	261.6	250.3	237.2	222.7	205.3	183.1	160.6	141.5	123.6
-72.5°	232.4	224.9	219.3	211.9	200.1	186.4	170.7	153.0	136.2	120.4	105.7
-75°	177.6	178.1	177.8	173.2	162.5	150.3	137.9	124.7	111.4	99.0	86.8
-77.5°	135.5	137.1	137.4	134.9	126.2	116.7	106.5	95.9	86.8	77.7	67.5
-80°	96.2	98.4	99.1	97.4	90.5	83.1	76.8	70.2	63.7	56.4	48.2
-82.5°	59.9	61.8	62.8	62.3	58.5	54.4	50.1	45.5	40.6	35.0	31.8
-85°	30.2	30.8	30.6	29.7	27.8	25.7	25.7	25.3	24.3	22.9	21.2
-87.5°	10.1	11.0	11.7	12.2	12.6	12.8	12.8	12.6	12.1	11.4	10.6
-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: P627213 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.6	7.5	5.6	3.8	2.4	1.0	0.0
85°	19.1	14.9	11.1	7.7	4.7	2.0	0.0
82.5°	28.6	22.3	16.6	11.5	7.0	3.1	0.0
80°	38.8	29.6	22.0	15.3	9.3	4.1	0.0
77.5°	55.3	38.5	27.4	19.0	11.6	5.1	0.0
75°	71.4	50.3	33.1	22.6	13.8	6.0	0.0
72.5°	87.0	61.7	41.1	26.2	16.0	7.0	0.0
70°	101.8	72.7	48.7	30.0	18.2	7.9	0.0
67.5°	114.7	83.2	56.0	34.6	20.2	8.9	0.0
65°	126.9	92.9	62.9	39.1	22.2	9.8	0.0
62.5°	138.4	101.7	69.5	43.3	24.2	10.6	0.0
60°	149.2	110.0	75.6	47.3	26.0	11.5	0.0
57.5°	159.0	117.7	81.3	51.0	28.3	12.3	0.0
55°	168.0	124.9	86.6	54.4	30.5	13.1	0.0
52.5°	176.2	131.4	91.5	57.6	32.6	13.8	0.0
50°	183.7	137.4	95.9	60.4	34.6	14.5	0.0
47.5°	190.7	142.8	99.8	63.0	36.5	15.2	0.0
45°	198.5	147.6	103.3	65.6	38.3	15.8	0.0
42.5°	205.4	151.7	106.3	67.8	40.0	16.4	0.0
40°	211.5	155.2	109.0	70.3	41.6	17.0	0.0
37.5°	216.8	158.1	111.4	72.9	43.1	17.5	0.0
35°	221.1	161.3	113.4	75.2	44.4	18.0	0.0
32.5°	225.1	164.4	114.9	77.3	45.7	18.4	0.0
30°	229.5	166.8	116.0	79.3	46.9	18.8	0.0
27.5°	233.1	168.5	118.4	81.0	47.9	19.1	0.0
25°	236.0	169.5	120.8	82.4	48.8	19.4	0.0
22.5°	237.9	170.9	122.9	83.7	49.6	19.6	0.0
20°	239.1	174.0	124.7	84.7	50.3	19.8	0.0
17.5°	241.8	176.5	126.3	85.6	50.8	20.0	0.0
15°	245.0	178.5	127.5	86.2	51.2	20.1	0.0
12.5°	247.3	179.9	128.3	86.6	51.5	20.2	0.0
10°	248.8	180.8	128.9	86.8	51.7	20.2	0.0
7.5°	249.3	181.2	129.2	86.7	51.8	20.2	0.0
5°	249.1	181.1	129.1	86.5	51.7	20.1	0.0
2.5°	248.0	180.4	128.7	86.0	51.5	20.0	0.0
0°	246.1	179.2	128.0	85.4	51.2	19.9	0.0
-2.5°	248.0	180.4	128.7	86.0	51.5	20.0	0.0
-5°	249.1	181.1	129.1	86.5	51.7	20.1	0.0
-7.5°	249.3	181.2	129.2	86.7	51.8	20.2	0.0
-10°	248.8	180.8	128.9	86.8	51.7	20.2	0.0
-12.5°	247.3	179.9	128.3	86.6	51.5	20.2	0.0
-15°	245.0	178.5	127.5	86.2	51.2	20.1	0.0
-17.5°	241.8	176.5	126.3	85.6	50.8	20.0	0.0
-20°	239.1	174.0	124.7	84.7	50.3	19.8	0.0

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REPORT NUMBER: P627213 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	237.9	170.9	122.9	83.7	49.6	19.6	0.0
-25°	236.0	169.5	120.8	82.4	48.8	19.4	0.0
-27.5°	233.1	168.5	118.4	81.0	47.9	19.1	0.0
-30°	229.5	166.8	116.0	79.3	46.9	18.8	0.0
-32.5°	225.1	164.4	114.9	77.3	45.7	18.4	0.0
-35°	221.1	161.3	113.4	75.2	44.4	18.0	0.0
-37.5°	216.8	158.1	111.4	72.9	43.1	17.5	0.0
-40°	211.5	155.2	109.0	70.3	41.6	17.0	0.0
-42.5°	205.4	151.7	106.3	67.8	40.0	16.4	0.0
-45°	198.5	147.6	103.3	65.6	38.3	15.8	0.0
-47.5°	190.7	142.8	99.8	63.0	36.5	15.2	0.0
-50°	183.7	137.4	95.9	60.4	34.6	14.5	0.0
-52.5°	176.2	131.4	91.5	57.6	32.6	13.8	0.0
-55°	168.0	124.9	86.6	54.4	30.5	13.1	0.0
-57.5°	159.0	117.7	81.3	51.0	28.3	12.3	0.0
-60°	149.2	110.0	75.6	47.3	26.0	11.5	0.0
-62.5°	138.4	101.7	69.5	43.3	24.2	10.6	0.0
-65°	126.9	92.9	62.9	39.1	22.2	9.8	0.0
-67.5°	114.7	83.2	56.0	34.6	20.2	8.9	0.0
-70°	101.8	72.7	48.7	30.0	18.2	7.9	0.0
-72.5°	87.0	61.7	41.1	26.2	16.0	7.0	0.0
-75°	71.4	50.3	33.1	22.6	13.8	6.0	0.0
-77.5°	55.3	38.5	27.4	19.0	11.6	5.1	0.0
-80°	38.8	29.6	22.0	15.3	9.3	4.1	0.0
-82.5°	28.6	22.3	16.6	11.5	7.0	3.1	0.0
-85°	19.1	14.9	11.1	7.7	4.7	2.0	0.0
-87.5°	9.6	7.5	5.6	3.8	2.4	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)