

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: P627573 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-730-U-WR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627573 (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-SA5B-730-U-WR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N116
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

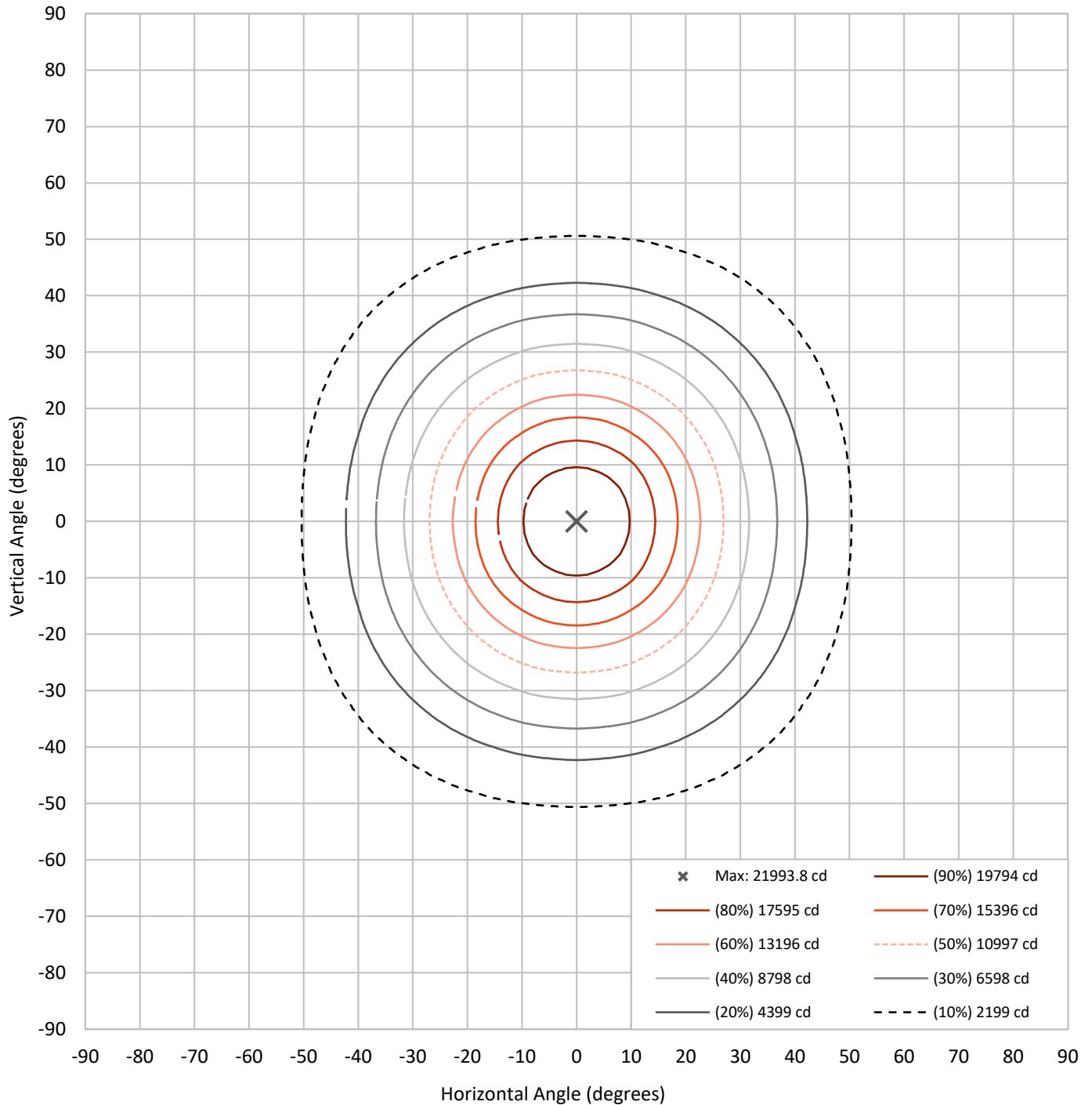
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	22384.6 lumens	Max Intensity:	21993.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	141.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' 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:	10702.9 lumens	Field Lumens:	19755.2 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	158.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





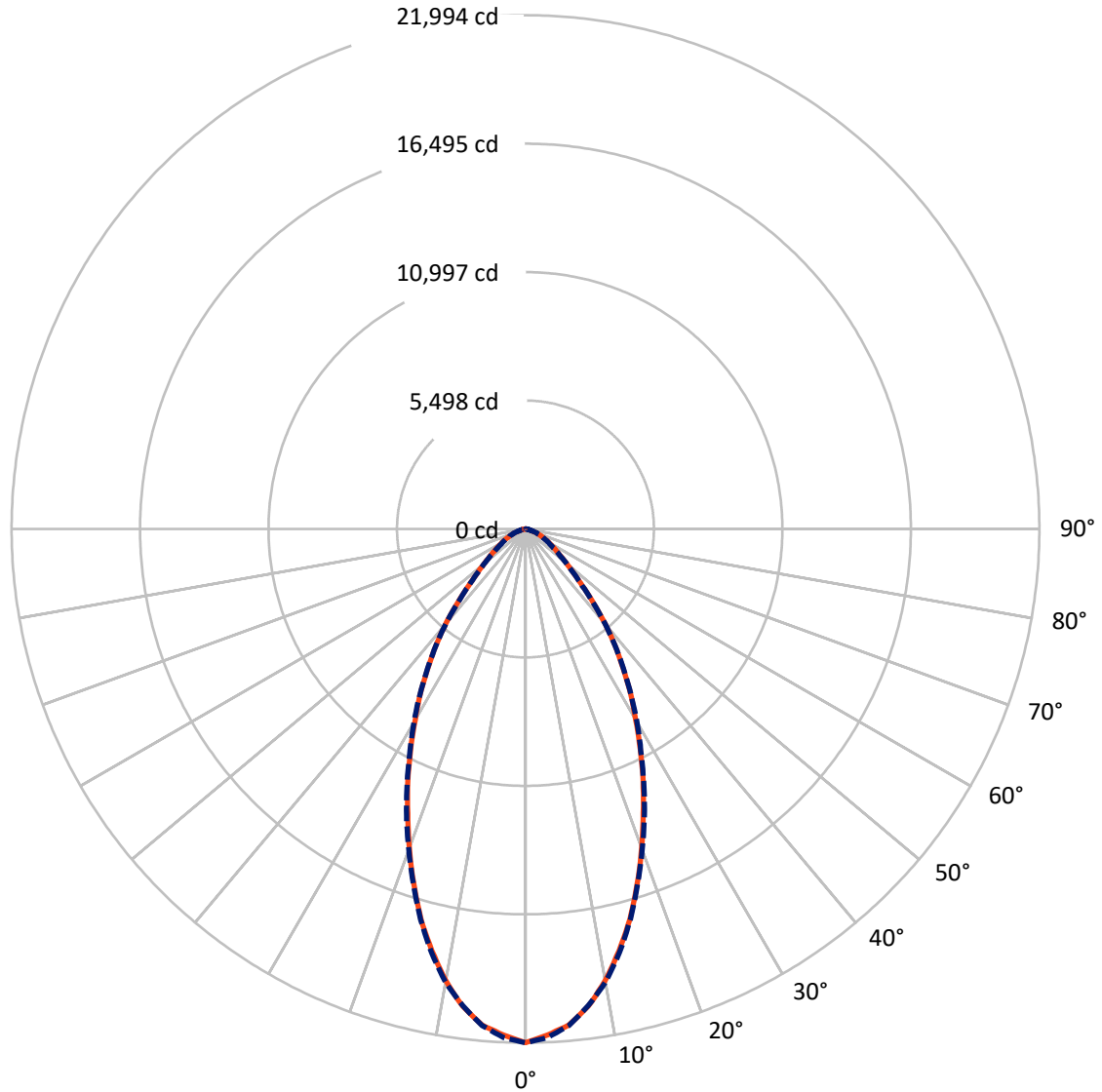
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Lumen Table

90																			
80	0.9	6.2		14.1		23.4		20.1		23.4		14.1		6.2		0.9			
70																			
60	2.9	3.4	6.4	10.3	14.9	19.4	22.7	24.3	24.3	22.7	19.4	14.9	10.3	6.4	3.4	2.9			
50		4.8	9.7	16.8	25.8	35.4	44.2	49.3	49.3	44.2	35.4	25.8	16.8	9.7	4.8				
40	4.3	6.2	13.4	25.1	42.3	65.0	89.6	106.0	106.0	89.6	65.0	42.3	25.1	13.4	6.2	4.3			
30		7.5	17.6	36.4	70.9	126.0	183.0	217.1	217.1	183.0	126.0	70.9	36.4	17.6	7.5				
20	5.1	8.7	21.9	51.0	114.7	206.2	295.0	352.6	352.6	295.0	206.2	114.7	51.0	21.9	8.7	5.1			
10		9.7	25.7	66.2	156.5	278.4	411.0	505.6	505.6	411.0	278.4	156.5	66.2	25.7	9.7				
0	5.3	10.2	27.8	76.0	180.2	323.7	492.5	619.4	619.4	492.5	323.7	180.2	76.0	27.8	10.2	5.3			
-10		10.2	27.8	76.0	180.2	323.7	492.5	619.4	619.4	492.5	323.7	180.2	76.0	27.8	10.2				
-20	5.1	9.7	25.7	66.2	156.5	278.4	411.0	505.6	505.6	411.0	278.4	156.5	66.2	25.7	9.7	5.1			
-30		8.7	21.9	51.0	114.7	206.2	295.0	352.6	352.6	295.0	206.2	114.7	51.0	21.9	8.7				
-40	4.3	7.5	17.6	36.4	70.9	126.0	183.0	217.1	217.1	183.0	126.0	70.9	36.4	17.6	7.5	4.3			
-50		6.2	13.4	25.1	42.3	65.0	89.6	106.0	106.0	89.6	65.0	42.3	25.1	13.4	6.2				
-60	2.9	4.8	9.7	16.8	25.8	35.4	44.2	49.3	49.3	44.2	35.4	25.8	16.8	9.7	4.8	2.9			
-70		3.4	6.4	10.3	14.9	19.4	22.7	24.3	24.3	22.7	19.4	14.9	10.3	6.4	3.4				
-80																			
-90	0.9	6.2		14.1		23.4		20.1		23.4		14.1		6.2		0.9			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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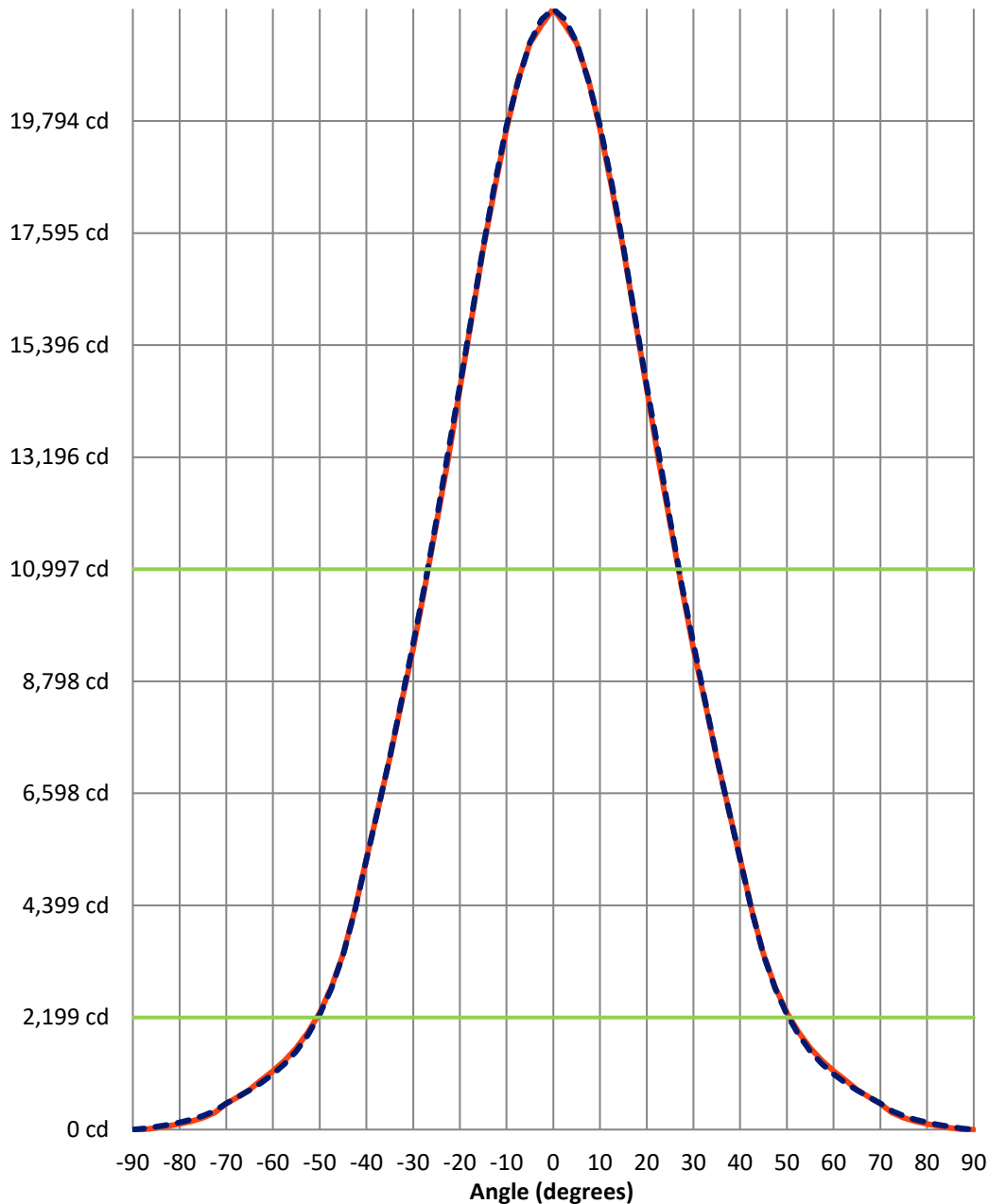
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 53.8°
 V Angle: 53.6°
 Lumens: 10702.9
 Efficiency: 47.8%

Field:
 H Angle: 100.8°
 V Angle: 101.2°
 Lumens: 19755.2
 Efficiency: 88.3%

Spill:
 Lumens: 2629.4
 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	1.1	2.6	4.2	6.1	8.1	10.4	11.6	12.5	13.2	13.8
85°	0.0	2.2	5.1	8.4	12.1	16.3	20.9	23.1	25.0	26.5	27.6
82.5°	0.0	3.3	7.7	12.6	18.1	24.3	31.2	34.7	38.2	44.3	49.7
80°	0.0	4.4	10.2	16.7	24.0	32.3	42.4	52.7	61.6	69.6	76.7
77.5°	0.0	5.5	12.7	20.7	29.9	42.0	60.5	73.8	84.9	94.9	104.8
75°	0.0	6.6	15.1	24.7	36.2	54.9	78.1	94.9	108.2	121.7	136.2
72.5°	0.0	7.7	17.5	28.7	44.9	67.5	95.1	115.6	131.6	148.8	167.2
70°	0.0	8.7	19.8	32.8	53.2	79.5	111.3	135.1	154.6	175.5	200.1
67.5°	0.0	9.7	22.1	37.9	61.2	91.0	125.3	154.2	177.1	203.1	232.5
65°	0.0	10.7	24.3	42.7	68.8	101.5	138.7	172.9	199.4	229.6	263.3
62.5°	0.0	11.6	26.4	47.4	76.0	111.2	151.3	190.6	220.7	255.1	291.9
60°	0.0	12.6	28.4	51.7	82.7	120.3	163.1	207.4	241.0	279.7	319.6
57.5°	0.0	13.5	30.9	55.8	88.9	128.7	173.7	222.5	261.6	303.5	345.2
55°	0.0	14.3	33.3	59.5	94.7	136.5	183.6	234.6	281.7	326.4	369.6
52.5°	0.0	15.1	35.6	63.0	100.0	143.6	192.6	247.7	301.1	348.1	393.6
50°	0.0	15.9	37.8	66.1	104.8	150.1	200.7	260.0	319.7	369.3	419.7
47.5°	0.0	16.6	39.9	68.9	109.1	156.0	208.3	271.2	338.1	390.0	445.4
45°	0.0	17.3	41.9	71.7	112.9	161.3	216.8	281.3	351.4	412.3	470.3
42.5°	0.0	18.0	43.7	74.2	116.2	165.8	224.4	291.2	363.5	433.8	496.1
40°	0.0	18.6	45.5	76.9	119.2	169.6	231.1	300.8	375.4	453.8	521.0
37.5°	0.0	19.2	47.1	79.7	121.8	172.8	236.8	309.5	388.5	469.5	544.7
35°	0.0	19.7	48.6	82.2	123.9	176.3	241.5	317.3	401.1	486.9	568.9
32.5°	0.0	20.1	50.0	84.5	125.6	179.6	245.9	324.1	413.0	504.5	593.6
30°	0.0	20.5	51.3	86.6	126.7	182.2	250.7	330.7	424.3	522.3	616.9
27.5°	0.0	20.9	52.4	88.5	129.4	184.1	254.7	338.9	436.0	540.2	638.8
25°	0.0	21.2	53.4	90.1	132.1	185.2	257.8	346.2	449.2	557.7	659.2
22.5°	0.0	21.5	54.3	91.5	134.4	186.6	260.0	352.6	461.8	573.7	681.5
20°	0.0	21.7	55.0	92.6	136.3	190.0	261.2	358.1	473.6	588.2	701.5
17.5°	0.0	21.9	55.6	93.5	138.0	192.8	264.2	362.5	484.5	600.9	719.1
15°	0.0	22.0	56.0	94.2	139.3	195.0	267.7	366.7	494.3	611.9	734.2
12.5°	0.0	22.1	56.4	94.6	140.3	196.6	270.2	370.4	502.7	621.0	746.7
10°	0.0	22.1	56.6	94.8	140.9	197.6	271.8	372.5	509.1	628.7	756.9
7.5°	0.0	22.1	56.6	94.8	141.2	198.0	272.5	372.9	513.6	634.6	764.8
5°	0.0	22.1	56.6	94.5	141.1	197.9	272.2	371.8	516.1	638.6	770.1
2.5°	0.0	21.9	56.3	94.0	140.7	197.2	271.0	369.3	516.4	640.6	772.7
0°	0.0	21.8	56.0	93.3	139.9	195.9	268.9	365.3	514.5	640.4	772.6
-2.5°	0.0	21.9	56.3	94.0	140.7	197.2	271.0	369.3	516.4	640.6	772.7
-5°	0.0	22.1	56.6	94.5	141.1	197.9	272.2	371.8	516.1	638.6	770.1
-7.5°	0.0	22.1	56.6	94.8	141.2	198.0	272.5	372.9	513.6	634.6	764.8
-10°	0.0	22.1	56.6	94.8	140.9	197.6	271.8	372.5	509.1	628.7	756.9
-12.5°	0.0	22.1	56.4	94.6	140.3	196.6	270.2	370.4	502.7	621.0	746.7
-15°	0.0	22.0	56.0	94.2	139.3	195.0	267.7	366.7	494.3	611.9	734.2
-17.5°	0.0	21.9	55.6	93.5	138.0	192.8	264.2	362.5	484.5	600.9	719.1
-20°	0.0	21.7	55.0	92.6	136.3	190.0	261.2	358.1	473.6	588.2	701.5

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA5B-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	21.5	54.3	91.5	134.4	186.6	260.0	352.6	461.8	573.7	681.5
-25°	0.0	21.2	53.4	90.1	132.1	185.2	257.8	346.2	449.2	557.7	659.2
-27.5°	0.0	20.9	52.4	88.5	129.4	184.1	254.7	338.9	436.0	540.2	638.8
-30°	0.0	20.5	51.3	86.6	126.7	182.2	250.7	330.7	424.3	522.3	616.9
-32.5°	0.0	20.1	50.0	84.5	125.6	179.6	245.9	324.1	413.0	504.5	593.6
-35°	0.0	19.7	48.6	82.2	123.9	176.3	241.5	317.3	401.1	486.9	568.9
-37.5°	0.0	19.2	47.1	79.7	121.8	172.8	236.8	309.5	388.5	469.5	544.7
-40°	0.0	18.6	45.5	76.9	119.2	169.6	231.1	300.8	375.4	453.8	521.0
-42.5°	0.0	18.0	43.7	74.2	116.2	165.8	224.4	291.2	363.5	433.8	496.1
-45°	0.0	17.3	41.9	71.7	112.9	161.3	216.8	281.3	351.4	412.3	470.3
-47.5°	0.0	16.6	39.9	68.9	109.1	156.0	208.3	271.2	338.1	390.0	445.4
-50°	0.0	15.9	37.8	66.1	104.8	150.1	200.7	260.0	319.7	369.3	419.7
-52.5°	0.0	15.1	35.6	63.0	100.0	143.6	192.6	247.7	301.1	348.1	393.6
-55°	0.0	14.3	33.3	59.5	94.7	136.5	183.6	234.6	281.7	326.4	369.6
-57.5°	0.0	13.5	30.9	55.8	88.9	128.7	173.7	222.5	261.6	303.5	345.2
-60°	0.0	12.6	28.4	51.7	82.7	120.3	163.1	207.4	241.0	279.7	319.6
-62.5°	0.0	11.6	26.4	47.4	76.0	111.2	151.3	190.6	220.7	255.1	291.9
-65°	0.0	10.7	24.3	42.7	68.8	101.5	138.7	172.9	199.4	229.6	263.3
-67.5°	0.0	9.7	22.1	37.9	61.2	91.0	125.3	154.2	177.1	203.1	232.5
-70°	0.0	8.7	19.8	32.8	53.2	79.5	111.3	135.1	154.6	175.5	200.1
-72.5°	0.0	7.7	17.5	28.7	44.9	67.5	95.1	115.6	131.6	148.8	167.2
-75°	0.0	6.6	15.1	24.7	36.2	54.9	78.1	94.9	108.2	121.7	136.2
-77.5°	0.0	5.5	12.7	20.7	29.9	42.0	60.5	73.8	84.9	94.9	104.8
-80°	0.0	4.4	10.2	16.7	24.0	32.3	42.4	52.7	61.6	69.6	76.7
-82.5°	0.0	3.3	7.7	12.6	18.1	24.3	31.2	34.7	38.2	44.3	49.7
-85°	0.0	2.2	5.1	8.4	12.1	16.3	20.9	23.1	25.0	26.5	27.6
-87.5°	0.0	1.1	2.6	4.2	6.1	8.1	10.4	11.6	12.5	13.2	13.8
-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°	14.0	14.0	13.8	13.4	12.8	12.0	11.0	9.9	10.3	10.7	11.1
85°	28.0	28.0	30.3	32.5	33.5	33.6	33.0	31.6	35.7	40.3	45.3
82.5°	54.7	59.5	64.0	68.2	68.6	67.5	65.5	63.0	71.3	81.4	91.9
80°	83.9	90.9	99.0	106.5	108.3	107.5	105.2	101.3	112.3	127.8	144.6
77.5°	116.4	127.5	137.9	147.4	150.2	149.8	148.0	144.9	158.9	180.4	202.7
75°	150.7	164.2	177.5	189.2	194.3	194.7	194.1	197.4	215.7	240.9	263.0
72.5°	186.5	203.6	218.7	231.6	239.6	245.8	253.9	263.9	282.4	307.1	328.9
70°	224.3	243.3	259.2	273.5	285.8	299.2	316.5	333.5	353.0	377.7	400.3
67.5°	261.6	280.9	298.8	316.4	338.8	360.3	381.8	404.1	428.7	454.6	477.4
65°	296.2	318.0	339.8	365.4	394.6	418.9	445.4	474.4	506.6	535.7	562.3
62.5°	329.4	354.0	381.0	411.8	443.5	474.0	509.4	546.7	584.4	620.9	657.2
60°	357.5	388.1	420.8	455.7	492.2	533.8	575.3	619.6	664.7	708.7	753.5
57.5°	384.4	422.2	460.0	500.6	546.1	593.7	643.5	693.4	747.3	800.5	851.4
55°	412.4	456.9	499.9	548.0	600.2	656.0	712.3	772.9	832.3	899.4	961.2
52.5°	442.2	490.7	541.3	596.3	657.2	720.2	786.2	855.6	929.7	1004.2	1079.7
50°	471.3	526.0	582.3	648.2	716.3	788.2	864.4	945.3	1031.5	1117.8	1209.2
47.5°	501.8	560.2	628.9	700.5	778.5	860.3	946.7	1042.8	1138.6	1247.2	1352.0
45°	531.9	599.0	673.6	756.7	842.4	934.6	1037.2	1142.8	1265.1	1387.7	1525.5
42.5°	560.7	638.1	722.3	811.2	908.7	1014.6	1128.2	1261.0	1398.9	1550.7	1712.4
40°	593.9	675.6	770.4	869.7	975.4	1096.4	1233.2	1380.6	1548.8	1728.6	1912.3
37.5°	626.0	717.8	817.8	925.5	1048.1	1184.5	1335.5	1516.2	1710.2	1914.7	2164.6
35°	656.2	758.0	866.6	984.6	1117.4	1275.5	1456.0	1655.7	1879.3	2142.9	2434.6
32.5°	688.2	796.0	912.7	1045.1	1195.4	1368.1	1573.1	1808.2	2072.8	2373.0	2737.9
30°	720.5	835.1	958.4	1101.7	1269.0	1468.7	1701.8	1961.5	2266.0	2642.5	3070.9
27.5°	750.4	871.7	1006.8	1161.7	1340.5	1561.6	1825.3	2129.9	2488.5	2914.1	3414.5
25°	777.8	905.0	1051.2	1218.9	1419.4	1661.8	1947.9	2285.1	2711.2	3218.7	3834.3
22.5°	803.9	935.4	1091.4	1270.3	1490.4	1758.9	2080.8	2466.7	2937.7	3507.3	4245.5
20°	828.4	968.2	1131.3	1319.5	1553.9	1846.5	2203.0	2636.2	3172.3	3846.5	4648.7
17.5°	850.0	997.2	1169.0	1372.6	1624.7	1935.5	2318.3	2785.9	3381.0	4149.4	5020.9
15°	868.5	1022.1	1201.7	1418.6	1688.4	2024.0	2439.3	2950.0	3598.7	4424.9	5347.6
12.5°	883.9	1043.0	1229.1	1457.4	1742.0	2098.9	2542.6	3096.3	3810.9	4684.4	5634.4
10°	896.2	1059.8	1251.2	1488.7	1785.2	2159.6	2627.8	3215.9	3987.3	4906.8	5877.0
7.5°	906.5	1072.8	1268.1	1512.4	1817.8	2206.0	2694.0	3308.2	4125.3	5082.9	6063.2
5°	913.8	1082.2	1281.0	1529.0	1841.8	2238.4	2740.4	3372.8	4223.4	5210.5	6190.5
2.5°	917.9	1087.3	1288.4	1537.8	1856.5	2256.7	2764.7	3413.3	4277.3	5283.3	6267.5
0°	918.7	1088.1	1290.2	1538.9	1860.7	2260.2	2768.5	3426.0	4288.7	5302.2	6295.5
-2.5°	917.9	1087.3	1288.4	1537.8	1856.5	2256.7	2764.7	3413.3	4277.3	5283.3	6267.5
-5°	913.8	1082.2	1281.0	1529.0	1841.8	2238.4	2740.4	3372.8	4223.4	5210.5	6190.5
-7.5°	906.5	1072.8	1268.1	1512.4	1817.8	2206.0	2694.0	3308.2	4125.3	5082.9	6063.2
-10°	896.2	1059.8	1251.2	1488.7	1785.2	2159.6	2627.8	3215.9	3987.3	4906.8	5877.0
-12.5°	883.9	1043.0	1229.1	1457.4	1742.0	2098.9	2542.6	3096.3	3810.9	4684.4	5634.4
-15°	868.5	1022.1	1201.7	1418.6	1688.4	2024.0	2439.3	2950.0	3598.7	4424.9	5347.6
-17.5°	850.0	997.2	1169.0	1372.6	1624.7	1935.5	2318.3	2785.9	3381.0	4149.4	5020.9
-20°	828.4	968.2	1131.3	1319.5	1553.9	1846.5	2203.0	2636.2	3172.3	3846.5	4648.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627573 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	803.9	935.4	1091.4	1270.3	1490.4	1758.9	2080.8	2466.7	2937.7	3507.3	4245.5
-25°	777.8	905.0	1051.2	1218.9	1419.4	1661.8	1947.9	2285.1	2711.2	3218.7	3834.3
-27.5°	750.4	871.7	1006.8	1161.7	1340.5	1561.6	1825.3	2129.9	2488.5	2914.1	3414.5
-30°	720.5	835.1	958.4	1101.7	1269.0	1468.7	1701.8	1961.5	2266.0	2642.5	3070.9
-32.5°	688.2	796.0	912.7	1045.1	1195.4	1368.1	1573.1	1808.2	2072.8	2373.0	2737.9
-35°	656.2	758.0	866.6	984.6	1117.4	1275.5	1456.0	1655.7	1879.3	2142.9	2434.6
-37.5°	626.0	717.8	817.8	925.5	1048.1	1184.5	1335.5	1516.2	1710.2	1914.7	2164.6
-40°	593.9	675.6	770.4	869.7	975.4	1096.4	1233.2	1380.6	1548.8	1728.6	1912.3
-42.5°	560.7	638.1	722.3	811.2	908.7	1014.6	1128.2	1261.0	1398.9	1550.7	1712.4
-45°	531.9	599.0	673.6	756.7	842.4	934.6	1037.2	1142.8	1265.1	1387.7	1525.5
-47.5°	501.8	560.2	628.9	700.5	778.5	860.3	946.7	1042.8	1138.6	1247.2	1352.0
-50°	471.3	526.0	582.3	648.2	716.3	788.2	864.4	945.3	1031.5	1117.8	1209.2
-52.5°	442.2	490.7	541.3	596.3	657.2	720.2	786.2	855.6	929.7	1004.2	1079.7
-55°	412.4	456.9	499.9	548.0	600.2	656.0	712.3	772.9	832.3	899.4	961.2
-57.5°	384.4	422.2	460.0	500.6	546.1	593.7	643.5	693.4	747.3	800.5	851.4
-60°	357.5	388.1	420.8	455.7	492.2	533.8	575.3	619.6	664.7	708.7	753.5
-62.5°	329.4	354.0	381.0	411.8	443.5	474.0	509.4	546.7	584.4	620.9	657.2
-65°	296.2	318.0	339.8	365.4	394.6	418.9	445.4	474.4	506.6	535.7	562.3
-67.5°	261.6	280.9	298.8	316.4	338.8	360.3	381.8	404.1	428.7	454.6	477.4
-70°	224.3	243.3	259.2	273.5	285.8	299.2	316.5	333.5	353.0	377.7	400.3
-72.5°	186.5	203.6	218.7	231.6	239.6	245.8	253.9	263.9	282.4	307.1	328.9
-75°	150.7	164.2	177.5	189.2	194.3	194.7	194.1	197.4	215.7	240.9	263.0
-77.5°	116.4	127.5	137.9	147.4	150.2	149.8	148.0	144.9	158.9	180.4	202.7
-80°	83.9	90.9	99.0	106.5	108.3	107.5	105.2	101.3	112.3	127.8	144.6
-82.5°	54.7	59.5	64.0	68.2	68.6	67.5	65.5	63.0	71.3	81.4	91.9
-85°	28.0	28.0	30.3	32.5	33.5	33.6	33.0	31.6	35.7	40.3	45.3
-87.5°	14.0	14.0	13.8	13.4	12.8	12.0	11.0	9.9	10.3	10.7	11.1
-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: P627573 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	11.5	11.2	10.8	10.4	9.9	9.7	9.5	9.3	9.0	8.3	7.6
85°	50.6	51.7	52.3	52.6	52.6	54.3	55.9	57.3	58.6	53.1	47.1
82.5°	102.8	107.6	111.9	116.1	120.2	123.1	125.2	126.8	127.8	115.7	102.1
80°	161.8	172.0	180.3	188.4	196.0	197.9	197.9	196.8	194.7	178.1	159.4
77.5°	225.1	238.3	248.8	259.3	269.5	273.3	275.1	276.5	277.5	257.0	231.7
75°	282.4	298.2	312.9	326.6	339.2	345.9	349.9	353.1	355.6	335.0	308.0
72.5°	347.8	364.5	380.5	395.6	409.0	417.9	423.6	428.4	432.2	420.4	403.5
70°	419.7	437.0	453.8	469.6	484.7	496.7	506.1	514.1	520.9	522.2	521.6
67.5°	499.5	520.0	540.0	557.2	575.2	592.0	606.8	619.1	629.0	635.4	639.0
65°	589.1	619.9	647.3	670.5	689.9	712.4	732.2	747.3	758.0	766.1	773.0
62.5°	694.8	732.1	763.4	794.3	826.2	857.2	876.6	896.1	915.1	933.0	948.4
60°	796.4	837.3	879.7	919.2	955.7	989.4	1024.2	1055.0	1082.0	1104.6	1121.4
57.5°	904.8	954.5	1002.7	1052.9	1100.1	1144.1	1187.1	1226.8	1261.1	1289.9	1313.5
55°	1022.3	1083.2	1140.5	1204.1	1265.8	1322.1	1373.9	1427.0	1474.9	1517.0	1550.5
52.5°	1149.1	1228.2	1304.0	1378.8	1458.8	1531.0	1595.6	1669.3	1734.6	1788.6	1830.6
50°	1300.4	1393.3	1493.5	1586.2	1687.1	1786.5	1878.1	1966.9	2053.7	2128.8	2189.5
47.5°	1472.7	1587.1	1711.2	1834.1	1959.4	2095.2	2216.4	2329.1	2450.4	2555.8	2640.4
45°	1664.3	1810.2	1960.1	2132.7	2291.8	2466.3	2627.8	2772.9	2945.0	3096.7	3218.7
42.5°	1876.8	2071.1	2268.2	2485.7	2696.7	2918.3	3153.7	3362.4	3590.7	3808.4	3984.2
40°	2140.2	2372.5	2636.4	2899.7	3202.6	3487.2	3830.0	4141.6	4424.6	4684.1	4896.7
37.5°	2432.8	2732.0	3063.6	3406.4	3820.9	4227.2	4628.6	5007.5	5342.0	5626.0	5864.2
35°	2765.2	3145.3	3546.8	4047.4	4533.0	5019.7	5473.0	5887.1	6250.9	6571.4	6843.8
32.5°	3147.4	3603.6	4165.7	4728.1	5282.1	5817.8	6315.4	6767.2	7166.2	7526.0	7839.3
30°	3549.3	4171.6	4802.6	5419.6	6024.6	6611.4	7157.6	7655.1	8106.0	8506.5	8867.5
27.5°	4059.9	4749.6	5437.7	6102.7	6768.3	7410.6	8002.5	8555.2	9072.6	9525.2	9937.9
25°	4553.8	5315.8	6047.2	6772.3	7496.9	8186.4	8848.3	9472.6	10065.1	10584.7	11045.4
22.5°	5047.7	5845.2	6626.7	7406.5	8184.8	8953.5	9696.7	10411.9	11074.6	11666.2	12184.8
20°	5505.1	6338.8	7174.6	8015.2	8858.8	9700.2	10534.9	11339.8	12078.0	12761.1	13361.3
17.5°	5915.1	6801.8	7687.9	8587.1	9501.6	10415.1	11342.3	12244.6	13088.6	13865.7	14562.1
15°	6278.2	7203.5	8155.2	9125.4	10107.4	11099.6	12111.3	13120.9	14070.9	14953.6	15731.0
12.5°	6595.7	7557.6	8555.1	9586.0	10651.9	11732.7	12836.9	13943.5	14995.2	16014.3	16853.7
10°	6857.7	7858.9	8901.4	9984.6	11108.7	12271.9	13456.6	14647.8	15806.5	16887.5	17847.4
7.5°	7060.0	8098.7	9173.0	10299.5	11478.9	12705.6	13960.5	15224.5	16461.1	17625.9	18688.0
5°	7202.7	8273.3	9361.1	10532.9	11753.2	13024.4	14328.7	15645.9	16938.6	18163.4	19264.1
2.5°	7285.6	8378.1	9470.5	10674.8	11916.4	13217.4	14557.1	15895.9	17222.7	18493.0	19624.2
0°	7307.4	8409.5	9533.4	10689.9	11967.7	13307.6	14599.3	15942.4	17321.2	18574.0	19701.0
-2.5°	7285.6	8378.1	9470.5	10674.8	11916.4	13217.4	14557.1	15895.9	17222.7	18493.0	19624.2
-5°	7202.7	8273.3	9361.1	10532.9	11753.2	13024.4	14328.7	15645.9	16938.6	18163.4	19264.1
-7.5°	7060.0	8098.7	9173.0	10299.5	11478.9	12705.6	13960.5	15224.5	16461.1	17625.9	18688.0
-10°	6857.7	7858.9	8901.4	9984.6	11108.7	12271.9	13456.6	14647.8	15806.5	16887.5	17847.4
-12.5°	6595.7	7557.6	8555.1	9586.0	10651.9	11732.7	12836.9	13943.5	14995.2	16014.3	16853.7
-15°	6278.2	7203.5	8155.2	9125.4	10107.4	11099.6	12111.3	13120.9	14070.9	14953.6	15731.0
-17.5°	5915.1	6801.8	7687.9	8587.1	9501.6	10415.1	11342.3	12244.6	13088.6	13865.7	14562.1
-20°	5505.1	6338.8	7174.6	8015.2	8858.8	9700.2	10534.9	11339.8	12078.0	12761.1	13361.3

Classified

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627573 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	5047.7	5845.2	6626.7	7406.5	8184.8	8953.5	9696.7	10411.9	11074.6	11666.2	12184.8
-25°	4553.8	5315.8	6047.2	6772.3	7496.9	8186.4	8848.3	9472.6	10065.1	10584.7	11045.4
-27.5°	4059.9	4749.6	5437.7	6102.7	6768.3	7410.6	8002.5	8555.2	9072.6	9525.2	9937.9
-30°	3549.3	4171.6	4802.6	5419.6	6024.6	6611.4	7157.6	7655.1	8106.0	8506.5	8867.5
-32.5°	3147.4	3603.6	4165.7	4728.1	5282.1	5817.8	6315.4	6767.2	7166.2	7526.0	7839.3
-35°	2765.2	3145.3	3546.8	4047.4	4533.0	5019.7	5473.0	5887.1	6250.9	6571.4	6843.8
-37.5°	2432.8	2732.0	3063.6	3406.4	3820.9	4227.2	4628.6	5007.5	5342.0	5626.0	5864.2
-40°	2140.2	2372.5	2636.4	2899.7	3202.6	3487.2	3830.0	4141.6	4424.6	4684.1	4896.7
-42.5°	1876.8	2071.1	2268.2	2485.7	2696.7	2918.3	3153.7	3362.4	3590.7	3808.4	3984.2
-45°	1664.3	1810.2	1960.1	2132.7	2291.8	2466.3	2627.8	2772.9	2945.0	3096.7	3218.7
-47.5°	1472.7	1587.1	1711.2	1834.1	1959.4	2095.2	2216.4	2329.1	2450.4	2555.8	2640.4
-50°	1300.4	1393.3	1493.5	1586.2	1687.1	1786.5	1878.1	1966.9	2053.7	2128.8	2189.5
-52.5°	1149.1	1228.2	1304.0	1378.8	1458.8	1531.0	1595.6	1669.3	1734.6	1788.6	1830.6
-55°	1022.3	1083.2	1140.5	1204.1	1265.8	1322.1	1373.9	1427.0	1474.9	1517.0	1550.5
-57.5°	904.8	954.5	1002.7	1052.9	1100.1	1144.1	1187.1	1226.8	1261.1	1289.9	1313.5
-60°	796.4	837.3	879.7	919.2	955.7	989.4	1024.2	1055.0	1082.0	1104.6	1121.4
-62.5°	694.8	732.1	763.4	794.3	826.2	857.2	876.6	896.1	915.1	933.0	948.4
-65°	589.1	619.9	647.3	670.5	689.9	712.4	732.2	747.3	758.0	766.1	773.0
-67.5°	499.5	520.0	540.0	557.2	575.2	592.0	606.8	619.1	629.0	635.4	639.0
-70°	419.7	437.0	453.8	469.6	484.7	496.7	506.1	514.1	520.9	522.2	521.6
-72.5°	347.8	364.5	380.5	395.6	409.0	417.9	423.6	428.4	432.2	420.4	403.5
-75°	282.4	298.2	312.9	326.6	339.2	345.9	349.9	353.1	355.6	335.0	308.0
-77.5°	225.1	238.3	248.8	259.3	269.5	273.3	275.1	276.5	277.5	257.0	231.7
-80°	161.8	172.0	180.3	188.4	196.0	197.9	197.9	196.8	194.7	178.1	159.4
-82.5°	102.8	107.6	111.9	116.1	120.2	123.1	125.2	126.8	127.8	115.7	102.1
-85°	50.6	51.7	52.3	52.6	52.6	54.3	55.9	57.3	58.6	53.1	47.1
-87.5°	11.5	11.2	10.8	10.4	9.9	9.7	9.5	9.3	9.0	8.3	7.6
-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: P627573 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	6.9	6.2	5.4	4.7	5.4	6.2	6.9	7.6	8.3	9.0	9.3
85°	40.7	34.0	33.3	32.6	33.3	34.0	40.7	47.1	53.1	58.6	57.3
82.5°	87.8	72.9	70.7	68.4	70.7	72.9	87.8	102.1	115.7	127.8	126.8
80°	139.8	119.6	115.7	111.9	115.7	119.6	139.8	159.4	178.1	194.7	196.8
77.5°	205.2	177.5	169.4	161.7	169.4	177.5	205.2	231.7	257.0	277.5	276.5
75°	279.8	250.7	240.9	231.6	240.9	250.7	279.8	308.0	335.0	355.6	353.1
72.5°	386.4	368.7	350.7	331.1	350.7	368.7	386.4	403.5	420.4	432.2	428.4
70°	521.0	519.7	515.2	508.3	515.2	519.7	521.0	521.6	522.2	520.9	514.1
67.5°	640.6	640.1	641.7	642.0	641.7	640.1	640.6	639.0	635.4	629.0	619.1
65°	777.3	778.8	782.0	783.4	782.0	778.8	777.3	773.0	766.1	758.0	747.3
62.5°	960.1	968.1	972.0	971.5	972.0	968.1	960.1	948.4	933.0	915.1	896.1
60°	1134.0	1142.3	1147.4	1148.7	1147.4	1142.3	1134.0	1121.4	1104.6	1082.0	1055.0
57.5°	1332.2	1345.7	1352.9	1353.9	1352.9	1345.7	1332.2	1313.5	1289.9	1261.1	1226.8
55°	1576.1	1593.9	1602.0	1601.1	1602.0	1593.9	1576.1	1550.5	1517.0	1474.9	1427.0
52.5°	1862.4	1884.1	1900.5	1910.4	1900.5	1884.1	1862.4	1830.6	1788.6	1734.6	1669.3
50°	2235.1	2266.4	2286.3	2294.4	2286.3	2266.4	2235.1	2189.5	2128.8	2053.7	1966.9
47.5°	2701.4	2742.8	2773.5	2794.9	2773.5	2742.8	2701.4	2640.4	2555.8	2450.4	2329.1
45°	3308.9	3372.0	3414.9	3440.0	3414.9	3372.0	3308.9	3218.7	3096.7	2945.0	2772.9
42.5°	4121.6	4219.6	4279.7	4302.7	4279.7	4219.6	4121.6	3984.2	3808.4	3590.7	3362.4
40°	5064.7	5182.4	5259.7	5313.1	5259.7	5182.4	5064.7	4896.7	4684.1	4424.6	4141.6
37.5°	6047.1	6170.8	6246.0	6297.1	6246.0	6170.8	6047.1	5864.2	5626.0	5342.0	5007.5
35°	7049.3	7178.7	7249.3	7288.8	7249.3	7178.7	7049.3	6843.8	6571.4	6250.9	5887.1
32.5°	8078.2	8220.8	8297.6	8376.9	8297.6	8220.8	8078.2	7839.3	7526.0	7166.2	6767.2
30°	9152.8	9316.5	9396.8	9435.5	9396.8	9316.5	9152.8	8867.5	8506.5	8106.0	7655.1
27.5°	10271.0	10475.0	10575.5	10641.7	10575.5	10475.0	10271.0	9937.9	9525.2	9072.6	8555.2
25°	11434.5	11687.3	11802.5	11905.5	11802.5	11687.3	11434.5	11045.4	10584.7	10065.1	9472.6
22.5°	12641.6	12956.5	13089.9	13163.0	13089.9	12956.5	12641.6	12184.8	11666.2	11074.6	10411.9
20°	13880.3	14256.6	14441.8	14537.2	14441.8	14256.6	13880.3	13361.3	12761.1	12078.0	11339.8
17.5°	15147.0	15615.0	15854.7	15909.7	15854.7	15615.0	15147.0	14562.1	13865.7	13088.6	12244.6
15°	16390.4	16896.6	17180.0	17283.9	17180.0	16896.6	16390.4	15731.0	14953.6	14070.9	13120.9
12.5°	17568.0	18092.7	18431.3	18491.7	18431.3	18092.7	17568.0	16853.7	16014.3	14995.2	13943.5
10°	18636.1	19179.6	19553.6	19638.8	19553.6	19179.6	18636.1	17847.4	16887.5	15806.5	14647.8
7.5°	19528.9	20125.3	20538.5	20610.4	20538.5	20125.3	19528.9	18688.0	17625.9	16461.1	15224.5
5°	20182.1	20890.3	21229.4	21314.5	21229.4	20890.3	20182.1	19264.1	18163.4	16938.6	15645.9
2.5°	20540.5	21261.3	21732.7	21678.3	21732.7	21261.3	20540.5	19624.2	18493.0	17222.7	15895.9
0°	20580.8	21334.7	21785.5	21993.8	21785.5	21334.7	20580.8	19701.0	18574.0	17321.2	15942.4
-2.5°	20540.5	21261.3	21732.7	21678.3	21732.7	21261.3	20540.5	19624.2	18493.0	17222.7	15895.9
-5°	20182.1	20890.3	21229.4	21314.5	21229.4	20890.3	20182.1	19264.1	18163.4	16938.6	15645.9
-7.5°	19528.9	20125.3	20538.5	20610.4	20538.5	20125.3	19528.9	18688.0	17625.9	16461.1	15224.5
-10°	18636.1	19179.6	19553.6	19638.8	19553.6	19179.6	18636.1	17847.4	16887.5	15806.5	14647.8
-12.5°	17568.0	18092.7	18431.3	18491.7	18431.3	18092.7	17568.0	16853.7	16014.3	14995.2	13943.5
-15°	16390.4	16896.6	17180.0	17283.9	17180.0	16896.6	16390.4	15731.0	14953.6	14070.9	13120.9
-17.5°	15147.0	15615.0	15854.7	15909.7	15854.7	15615.0	15147.0	14562.1	13865.7	13088.6	12244.6
-20°	13880.3	14256.6	14441.8	14537.2	14441.8	14256.6	13880.3	13361.3	12761.1	12078.0	11339.8



REPORT NUMBER: P627573 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	12641.6	12956.5	13089.9	13163.0	13089.9	12956.5	12641.6	12184.8	11666.2	11074.6	10411.9
-25°	11434.5	11687.3	11802.5	11905.5	11802.5	11687.3	11434.5	11045.4	10584.7	10065.1	9472.6
-27.5°	10271.0	10475.0	10575.5	10641.7	10575.5	10475.0	10271.0	9937.9	9525.2	9072.6	8555.2
-30°	9152.8	9316.5	9396.8	9435.5	9396.8	9316.5	9152.8	8867.5	8506.5	8106.0	7655.1
-32.5°	8078.2	8220.8	8297.6	8376.9	8297.6	8220.8	8078.2	7839.3	7526.0	7166.2	6767.2
-35°	7049.3	7178.7	7249.3	7288.8	7249.3	7178.7	7049.3	6843.8	6571.4	6250.9	5887.1
-37.5°	6047.1	6170.8	6246.0	6297.1	6246.0	6170.8	6047.1	5864.2	5626.0	5342.0	5007.5
-40°	5064.7	5182.4	5259.7	5313.1	5259.7	5182.4	5064.7	4896.7	4684.1	4424.6	4141.6
-42.5°	4121.6	4219.6	4279.7	4302.7	4279.7	4219.6	4121.6	3984.2	3808.4	3590.7	3362.4
-45°	3308.9	3372.0	3414.9	3440.0	3414.9	3372.0	3308.9	3218.7	3096.7	2945.0	2772.9
-47.5°	2701.4	2742.8	2773.5	2794.9	2773.5	2742.8	2701.4	2640.4	2555.8	2450.4	2329.1
-50°	2235.1	2266.4	2286.3	2294.4	2286.3	2266.4	2235.1	2189.5	2128.8	2053.7	1966.9
-52.5°	1862.4	1884.1	1900.5	1910.4	1900.5	1884.1	1862.4	1830.6	1788.6	1734.6	1669.3
-55°	1576.1	1593.9	1602.0	1601.1	1602.0	1593.9	1576.1	1550.5	1517.0	1474.9	1427.0
-57.5°	1332.2	1345.7	1352.9	1353.9	1352.9	1345.7	1332.2	1313.5	1289.9	1261.1	1226.8
-60°	1134.0	1142.3	1147.4	1148.7	1147.4	1142.3	1134.0	1121.4	1104.6	1082.0	1055.0
-62.5°	960.1	968.1	972.0	971.5	972.0	968.1	960.1	948.4	933.0	915.1	896.1
-65°	777.3	778.8	782.0	783.4	782.0	778.8	777.3	773.0	766.1	758.0	747.3
-67.5°	640.6	640.1	641.7	642.0	641.7	640.1	640.6	639.0	635.4	629.0	619.1
-70°	521.0	519.7	515.2	508.3	515.2	519.7	521.0	521.6	522.2	520.9	514.1
-72.5°	386.4	368.7	350.7	331.1	350.7	368.7	386.4	403.5	420.4	432.2	428.4
-75°	279.8	250.7	240.9	231.6	240.9	250.7	279.8	308.0	335.0	355.6	353.1
-77.5°	205.2	177.5	169.4	161.7	169.4	177.5	205.2	231.7	257.0	277.5	276.5
-80°	139.8	119.6	115.7	111.9	115.7	119.6	139.8	159.4	178.1	194.7	196.8
-82.5°	87.8	72.9	70.7	68.4	70.7	72.9	87.8	102.1	115.7	127.8	126.8
-85°	40.7	34.0	33.3	32.6	33.3	34.0	40.7	47.1	53.1	58.6	57.3
-87.5°	6.9	6.2	5.4	4.7	5.4	6.2	6.9	7.6	8.3	9.0	9.3
-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: P627573 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	9.5	9.7	9.9	10.4	10.8	11.2	11.5	11.1	10.7	10.3	9.9
85°	55.9	54.3	52.6	52.6	52.3	51.7	50.6	45.3	40.3	35.7	31.6
82.5°	125.2	123.1	120.2	116.1	111.9	107.6	102.8	91.9	81.4	71.3	63.0
80°	197.9	197.9	196.0	188.4	180.3	172.0	161.8	144.6	127.8	112.3	101.3
77.5°	275.1	273.3	269.5	259.3	248.8	238.3	225.1	202.7	180.4	158.9	144.9
75°	349.9	345.9	339.2	326.6	312.9	298.2	282.4	263.0	240.9	215.7	197.4
72.5°	423.6	417.9	409.0	395.6	380.5	364.5	347.8	328.9	307.1	282.4	263.9
70°	506.1	496.7	484.7	469.6	453.8	437.0	419.7	400.3	377.7	353.0	333.5
67.5°	606.8	592.0	575.2	557.2	540.0	520.0	499.5	477.4	454.6	428.7	404.1
65°	732.2	712.4	689.9	670.5	647.3	619.9	589.1	562.3	535.7	506.6	474.4
62.5°	876.6	857.2	826.2	794.3	763.4	732.1	694.8	657.2	620.9	584.4	546.7
60°	1024.2	989.4	955.7	919.2	879.7	837.3	796.4	753.5	708.7	664.7	619.6
57.5°	1187.1	1144.1	1100.1	1052.9	1002.7	954.5	904.8	851.4	800.5	747.3	693.4
55°	1373.9	1322.1	1265.8	1204.1	1140.5	1083.2	1022.3	961.2	899.4	832.3	772.9
52.5°	1595.6	1531.0	1458.8	1378.8	1304.0	1228.2	1149.1	1079.7	1004.2	929.7	855.6
50°	1878.1	1786.5	1687.1	1586.2	1493.5	1393.3	1300.4	1209.2	1117.8	1031.5	945.3
47.5°	2216.4	2095.2	1959.4	1834.1	1711.2	1587.1	1472.7	1352.0	1247.2	1138.6	1042.8
45°	2627.8	2466.3	2291.8	2132.7	1960.1	1810.2	1664.3	1525.5	1387.7	1265.1	1142.8
42.5°	3153.7	2918.3	2696.7	2485.7	2268.2	2071.1	1876.8	1712.4	1550.7	1398.9	1261.0
40°	3830.0	3487.2	3202.6	2899.7	2636.4	2372.5	2140.2	1912.3	1728.6	1548.8	1380.6
37.5°	4628.6	4227.2	3820.9	3406.4	3063.6	2732.0	2432.8	2164.6	1914.7	1710.2	1516.2
35°	5473.0	5019.7	4533.0	4047.4	3546.8	3145.3	2765.2	2434.6	2142.9	1879.3	1655.7
32.5°	6315.4	5817.8	5282.1	4728.1	4165.7	3603.6	3147.4	2737.9	2373.0	2072.8	1808.2
30°	7157.6	6611.4	6024.6	5419.6	4802.6	4171.6	3549.3	3070.9	2642.5	2266.0	1961.5
27.5°	8002.5	7410.6	6768.3	6102.7	5437.7	4749.6	4059.9	3414.5	2914.1	2488.5	2129.9
25°	8848.3	8186.4	7496.9	6772.3	6047.2	5315.8	4553.8	3834.3	3218.7	2711.2	2285.1
22.5°	9696.7	8953.5	8184.8	7406.5	6626.7	5845.2	5047.7	4245.5	3507.3	2937.7	2466.7
20°	10534.9	9700.2	8858.8	8015.2	7174.6	6338.8	5505.1	4648.7	3846.5	3172.3	2636.2
17.5°	11342.3	10415.1	9501.6	8587.1	7687.9	6801.8	5915.1	5020.9	4149.4	3381.0	2785.9
15°	12111.3	11099.6	10107.4	9125.4	8155.2	7203.5	6278.2	5347.6	4424.9	3598.7	2950.0
12.5°	12836.9	11732.7	10651.9	9586.0	8555.1	7557.6	6595.7	5634.4	4684.4	3810.9	3096.3
10°	13456.6	12271.9	11108.7	9984.6	8901.4	7858.9	6857.7	5877.0	4906.8	3987.3	3215.9
7.5°	13960.5	12705.6	11478.9	10299.5	9173.0	8098.7	7060.0	6063.2	5082.9	4125.3	3308.2
5°	14328.7	13024.4	11753.2	10532.9	9361.1	8273.3	7202.7	6190.5	5210.5	4223.4	3372.8
2.5°	14557.1	13217.4	11916.4	10674.8	9470.5	8378.1	7285.6	6267.5	5283.3	4277.3	3413.3
0°	14599.3	13307.6	11967.7	10689.9	9533.4	8409.5	7307.4	6295.5	5302.2	4288.7	3426.0
-2.5°	14557.1	13217.4	11916.4	10674.8	9470.5	8378.1	7285.6	6267.5	5283.3	4277.3	3413.3
-5°	14328.7	13024.4	11753.2	10532.9	9361.1	8273.3	7202.7	6190.5	5210.5	4223.4	3372.8
-7.5°	13960.5	12705.6	11478.9	10299.5	9173.0	8098.7	7060.0	6063.2	5082.9	4125.3	3308.2
-10°	13456.6	12271.9	11108.7	9984.6	8901.4	7858.9	6857.7	5877.0	4906.8	3987.3	3215.9
-12.5°	12836.9	11732.7	10651.9	9586.0	8555.1	7557.6	6595.7	5634.4	4684.4	3810.9	3096.3
-15°	12111.3	11099.6	10107.4	9125.4	8155.2	7203.5	6278.2	5347.6	4424.9	3598.7	2950.0
-17.5°	11342.3	10415.1	9501.6	8587.1	7687.9	6801.8	5915.1	5020.9	4149.4	3381.0	2785.9
-20°	10534.9	9700.2	8858.8	8015.2	7174.6	6338.8	5505.1	4648.7	3846.5	3172.3	2636.2



REPORT NUMBER: P627573 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	9696.7	8953.5	8184.8	7406.5	6626.7	5845.2	5047.7	4245.5	3507.3	2937.7	2466.7
-25°	8848.3	8186.4	7496.9	6772.3	6047.2	5315.8	4553.8	3834.3	3218.7	2711.2	2285.1
-27.5°	8002.5	7410.6	6768.3	6102.7	5437.7	4749.6	4059.9	3414.5	2914.1	2488.5	2129.9
-30°	7157.6	6611.4	6024.6	5419.6	4802.6	4171.6	3549.3	3070.9	2642.5	2266.0	1961.5
-32.5°	6315.4	5817.8	5282.1	4728.1	4165.7	3603.6	3147.4	2737.9	2373.0	2072.8	1808.2
-35°	5473.0	5019.7	4533.0	4047.4	3546.8	3145.3	2765.2	2434.6	2142.9	1879.3	1655.7
-37.5°	4628.6	4227.2	3820.9	3406.4	3063.6	2732.0	2432.8	2164.6	1914.7	1710.2	1516.2
-40°	3830.0	3487.2	3202.6	2899.7	2636.4	2372.5	2140.2	1912.3	1728.6	1548.8	1380.6
-42.5°	3153.7	2918.3	2696.7	2485.7	2268.2	2071.1	1876.8	1712.4	1550.7	1398.9	1261.0
-45°	2627.8	2466.3	2291.8	2132.7	1960.1	1810.2	1664.3	1525.5	1387.7	1265.1	1142.8
-47.5°	2216.4	2095.2	1959.4	1834.1	1711.2	1587.1	1472.7	1352.0	1247.2	1138.6	1042.8
-50°	1878.1	1786.5	1687.1	1586.2	1493.5	1393.3	1300.4	1209.2	1117.8	1031.5	945.3
-52.5°	1595.6	1531.0	1458.8	1378.8	1304.0	1228.2	1149.1	1079.7	1004.2	929.7	855.6
-55°	1373.9	1322.1	1265.8	1204.1	1140.5	1083.2	1022.3	961.2	899.4	832.3	772.9
-57.5°	1187.1	1144.1	1100.1	1052.9	1002.7	954.5	904.8	851.4	800.5	747.3	693.4
-60°	1024.2	989.4	955.7	919.2	879.7	837.3	796.4	753.5	708.7	664.7	619.6
-62.5°	876.6	857.2	826.2	794.3	763.4	732.1	694.8	657.2	620.9	584.4	546.7
-65°	732.2	712.4	689.9	670.5	647.3	619.9	589.1	562.3	535.7	506.6	474.4
-67.5°	606.8	592.0	575.2	557.2	540.0	520.0	499.5	477.4	454.6	428.7	404.1
-70°	506.1	496.7	484.7	469.6	453.8	437.0	419.7	400.3	377.7	353.0	333.5
-72.5°	423.6	417.9	409.0	395.6	380.5	364.5	347.8	328.9	307.1	282.4	263.9
-75°	349.9	345.9	339.2	326.6	312.9	298.2	282.4	263.0	240.9	215.7	197.4
-77.5°	275.1	273.3	269.5	259.3	248.8	238.3	225.1	202.7	180.4	158.9	144.9
-80°	197.9	197.9	196.0	188.4	180.3	172.0	161.8	144.6	127.8	112.3	101.3
-82.5°	125.2	123.1	120.2	116.1	111.9	107.6	102.8	91.9	81.4	71.3	63.0
-85°	55.9	54.3	52.6	52.6	52.3	51.7	50.6	45.3	40.3	35.7	31.6
-87.5°	9.5	9.7	9.9	10.4	10.8	11.2	11.5	11.1	10.7	10.3	9.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627573 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	11.0	12.0	12.8	13.4	13.8	14.0	14.0	13.8	13.2	12.5	11.6
85°	33.0	33.6	33.5	32.5	30.3	28.0	28.0	27.6	26.5	25.0	23.1
82.5°	65.5	67.5	68.6	68.2	64.0	59.5	54.7	49.7	44.3	38.2	34.7
80°	105.2	107.5	108.3	106.5	99.0	90.9	83.9	76.7	69.6	61.6	52.7
77.5°	148.0	149.8	150.2	147.4	137.9	127.5	116.4	104.8	94.9	84.9	73.8
75°	194.1	194.7	194.3	189.2	177.5	164.2	150.7	136.2	121.7	108.2	94.9
72.5°	253.9	245.8	239.6	231.6	218.7	203.6	186.5	167.2	148.8	131.6	115.6
70°	316.5	299.2	285.8	273.5	259.2	243.3	224.3	200.1	175.5	154.6	135.1
67.5°	381.8	360.3	338.8	316.4	298.8	280.9	261.6	232.5	203.1	177.1	154.2
65°	445.4	418.9	394.6	365.4	339.8	318.0	296.2	263.3	229.6	199.4	172.9
62.5°	509.4	474.0	443.5	411.8	381.0	354.0	329.4	291.9	255.1	220.7	190.6
60°	575.3	533.8	492.2	455.7	420.8	388.1	357.5	319.6	279.7	241.0	207.4
57.5°	643.5	593.7	546.1	500.6	460.0	422.2	384.4	345.2	303.5	261.6	222.5
55°	712.3	656.0	600.2	548.0	499.9	456.9	412.4	369.6	326.4	281.7	234.6
52.5°	786.2	720.2	657.2	596.3	541.3	490.7	442.2	393.6	348.1	301.1	247.7
50°	864.4	788.2	716.3	648.2	582.3	526.0	471.3	419.7	369.3	319.7	260.0
47.5°	946.7	860.3	778.5	700.5	628.9	560.2	501.8	445.4	390.0	338.1	271.2
45°	1037.2	934.6	842.4	756.7	673.6	599.0	531.9	470.3	412.3	351.4	281.3
42.5°	1128.2	1014.6	908.7	811.2	722.3	638.1	560.7	496.1	433.8	363.5	291.2
40°	1233.2	1096.4	975.4	869.7	770.4	675.6	593.9	521.0	453.8	375.4	300.8
37.5°	1335.5	1184.5	1048.1	925.5	817.8	717.8	626.0	544.7	469.5	388.5	309.5
35°	1456.0	1275.5	1117.4	984.6	866.6	758.0	656.2	568.9	486.9	401.1	317.3
32.5°	1573.1	1368.1	1195.4	1045.1	912.7	796.0	688.2	593.6	504.5	413.0	324.1
30°	1701.8	1468.7	1269.0	1101.7	958.4	835.1	720.5	616.9	522.3	424.3	330.7
27.5°	1825.3	1561.6	1340.5	1161.7	1006.8	871.7	750.4	638.8	540.2	436.0	338.9
25°	1947.9	1661.8	1419.4	1218.9	1051.2	905.0	777.8	659.2	557.7	449.2	346.2
22.5°	2080.8	1758.9	1490.4	1270.3	1091.4	935.4	803.9	681.5	573.7	461.8	352.6
20°	2203.0	1846.5	1553.9	1319.5	1131.3	968.2	828.4	701.5	588.2	473.6	358.1
17.5°	2318.3	1935.5	1624.7	1372.6	1169.0	997.2	850.0	719.1	600.9	484.5	362.5
15°	2439.3	2024.0	1688.4	1418.6	1201.7	1022.1	868.5	734.2	611.9	494.3	366.7
12.5°	2542.6	2098.9	1742.0	1457.4	1229.1	1043.0	883.9	746.7	621.0	502.7	370.4
10°	2627.8	2159.6	1785.2	1488.7	1251.2	1059.8	896.2	756.9	628.7	509.1	372.5
7.5°	2694.0	2206.0	1817.8	1512.4	1268.1	1072.8	906.5	764.8	634.6	513.6	372.9
5°	2740.4	2238.4	1841.8	1529.0	1281.0	1082.2	913.8	770.1	638.6	516.1	371.8
2.5°	2764.7	2256.7	1856.5	1537.8	1288.4	1087.3	917.9	772.7	640.6	516.4	369.3
0°	2768.5	2260.2	1860.7	1538.9	1290.2	1088.1	918.7	772.6	640.4	514.5	365.3
-2.5°	2764.7	2256.7	1856.5	1537.8	1288.4	1087.3	917.9	772.7	640.6	516.4	369.3
-5°	2740.4	2238.4	1841.8	1529.0	1281.0	1082.2	913.8	770.1	638.6	516.1	371.8
-7.5°	2694.0	2206.0	1817.8	1512.4	1268.1	1072.8	906.5	764.8	634.6	513.6	372.9
-10°	2627.8	2159.6	1785.2	1488.7	1251.2	1059.8	896.2	756.9	628.7	509.1	372.5
-12.5°	2542.6	2098.9	1742.0	1457.4	1229.1	1043.0	883.9	746.7	621.0	502.7	370.4
-15°	2439.3	2024.0	1688.4	1418.6	1201.7	1022.1	868.5	734.2	611.9	494.3	366.7
-17.5°	2318.3	1935.5	1624.7	1372.6	1169.0	997.2	850.0	719.1	600.9	484.5	362.5
-20°	2203.0	1846.5	1553.9	1319.5	1131.3	968.2	828.4	701.5	588.2	473.6	358.1

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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627573 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	2080.8	1758.9	1490.4	1270.3	1091.4	935.4	803.9	681.5	573.7	461.8	352.6
-25°	1947.9	1661.8	1419.4	1218.9	1051.2	905.0	777.8	659.2	557.7	449.2	346.2
-27.5°	1825.3	1561.6	1340.5	1161.7	1006.8	871.7	750.4	638.8	540.2	436.0	338.9
-30°	1701.8	1468.7	1269.0	1101.7	958.4	835.1	720.5	616.9	522.3	424.3	330.7
-32.5°	1573.1	1368.1	1195.4	1045.1	912.7	796.0	688.2	593.6	504.5	413.0	324.1
-35°	1456.0	1275.5	1117.4	984.6	866.6	758.0	656.2	568.9	486.9	401.1	317.3
-37.5°	1335.5	1184.5	1048.1	925.5	817.8	717.8	626.0	544.7	469.5	388.5	309.5
-40°	1233.2	1096.4	975.4	869.7	770.4	675.6	593.9	521.0	453.8	375.4	300.8
-42.5°	1128.2	1014.6	908.7	811.2	722.3	638.1	560.7	496.1	433.8	363.5	291.2
-45°	1037.2	934.6	842.4	756.7	673.6	599.0	531.9	470.3	412.3	351.4	281.3
-47.5°	946.7	860.3	778.5	700.5	628.9	560.2	501.8	445.4	390.0	338.1	271.2
-50°	864.4	788.2	716.3	648.2	582.3	526.0	471.3	419.7	369.3	319.7	260.0
-52.5°	786.2	720.2	657.2	596.3	541.3	490.7	442.2	393.6	348.1	301.1	247.7
-55°	712.3	656.0	600.2	548.0	499.9	456.9	412.4	369.6	326.4	281.7	234.6
-57.5°	643.5	593.7	546.1	500.6	460.0	422.2	384.4	345.2	303.5	261.6	222.5
-60°	575.3	533.8	492.2	455.7	420.8	388.1	357.5	319.6	279.7	241.0	207.4
-62.5°	509.4	474.0	443.5	411.8	381.0	354.0	329.4	291.9	255.1	220.7	190.6
-65°	445.4	418.9	394.6	365.4	339.8	318.0	296.2	263.3	229.6	199.4	172.9
-67.5°	381.8	360.3	338.8	316.4	298.8	280.9	261.6	232.5	203.1	177.1	154.2
-70°	316.5	299.2	285.8	273.5	259.2	243.3	224.3	200.1	175.5	154.6	135.1
-72.5°	253.9	245.8	239.6	231.6	218.7	203.6	186.5	167.2	148.8	131.6	115.6
-75°	194.1	194.7	194.3	189.2	177.5	164.2	150.7	136.2	121.7	108.2	94.9
-77.5°	148.0	149.8	150.2	147.4	137.9	127.5	116.4	104.8	94.9	84.9	73.8
-80°	105.2	107.5	108.3	106.5	99.0	90.9	83.9	76.7	69.6	61.6	52.7
-82.5°	65.5	67.5	68.6	68.2	64.0	59.5	54.7	49.7	44.3	38.2	34.7
-85°	33.0	33.6	33.5	32.5	30.3	28.0	28.0	27.6	26.5	25.0	23.1
-87.5°	11.0	12.0	12.8	13.4	13.8	14.0	14.0	13.8	13.2	12.5	11.6
-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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REPORT NUMBER: P627573 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	10.4	8.1	6.1	4.2	2.6	1.1	0.0
85°	20.9	16.3	12.1	8.4	5.1	2.2	0.0
82.5°	31.2	24.3	18.1	12.6	7.7	3.3	0.0
80°	42.4	32.3	24.0	16.7	10.2	4.4	0.0
77.5°	60.5	42.0	29.9	20.7	12.7	5.5	0.0
75°	78.1	54.9	36.2	24.7	15.1	6.6	0.0
72.5°	95.1	67.5	44.9	28.7	17.5	7.7	0.0
70°	111.3	79.5	53.2	32.8	19.8	8.7	0.0
67.5°	125.3	91.0	61.2	37.9	22.1	9.7	0.0
65°	138.7	101.5	68.8	42.7	24.3	10.7	0.0
62.5°	151.3	111.2	76.0	47.4	26.4	11.6	0.0
60°	163.1	120.3	82.7	51.7	28.4	12.6	0.0
57.5°	173.7	128.7	88.9	55.8	30.9	13.5	0.0
55°	183.6	136.5	94.7	59.5	33.3	14.3	0.0
52.5°	192.6	143.6	100.0	63.0	35.6	15.1	0.0
50°	200.7	150.1	104.8	66.1	37.8	15.9	0.0
47.5°	208.3	156.0	109.1	68.9	39.9	16.6	0.0
45°	216.8	161.3	112.9	71.7	41.9	17.3	0.0
42.5°	224.4	165.8	116.2	74.2	43.7	18.0	0.0
40°	231.1	169.6	119.2	76.9	45.5	18.6	0.0
37.5°	236.8	172.8	121.8	79.7	47.1	19.2	0.0
35°	241.5	176.3	123.9	82.2	48.6	19.7	0.0
32.5°	245.9	179.6	125.6	84.5	50.0	20.1	0.0
30°	250.7	182.2	126.7	86.6	51.3	20.5	0.0
27.5°	254.7	184.1	129.4	88.5	52.4	20.9	0.0
25°	257.8	185.2	132.1	90.1	53.4	21.2	0.0
22.5°	260.0	186.6	134.4	91.5	54.3	21.5	0.0
20°	261.2	190.0	136.3	92.6	55.0	21.7	0.0
17.5°	264.2	192.8	138.0	93.5	55.6	21.9	0.0
15°	267.7	195.0	139.3	94.2	56.0	22.0	0.0
12.5°	270.2	196.6	140.3	94.6	56.4	22.1	0.0
10°	271.8	197.6	140.9	94.8	56.6	22.1	0.0
7.5°	272.5	198.0	141.2	94.8	56.6	22.1	0.0
5°	272.2	197.9	141.1	94.5	56.6	22.1	0.0
2.5°	271.0	197.2	140.7	94.0	56.3	21.9	0.0
0°	268.9	195.9	139.9	93.3	56.0	21.8	0.0
-2.5°	271.0	197.2	140.7	94.0	56.3	21.9	0.0
-5°	272.2	197.9	141.1	94.5	56.6	22.1	0.0
-7.5°	272.5	198.0	141.2	94.8	56.6	22.1	0.0
-10°	271.8	197.6	140.9	94.8	56.6	22.1	0.0
-12.5°	270.2	196.6	140.3	94.6	56.4	22.1	0.0
-15°	267.7	195.0	139.3	94.2	56.0	22.0	0.0
-17.5°	264.2	192.8	138.0	93.5	55.6	21.9	0.0
-20°	261.2	190.0	136.3	92.6	55.0	21.7	0.0

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CATALOG NUMBER: GFLD-SA5B-730-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	260.0	186.6	134.4	91.5	54.3	21.5	0.0
-25°	257.8	185.2	132.1	90.1	53.4	21.2	0.0
-27.5°	254.7	184.1	129.4	88.5	52.4	20.9	0.0
-30°	250.7	182.2	126.7	86.6	51.3	20.5	0.0
-32.5°	245.9	179.6	125.6	84.5	50.0	20.1	0.0
-35°	241.5	176.3	123.9	82.2	48.6	19.7	0.0
-37.5°	236.8	172.8	121.8	79.7	47.1	19.2	0.0
-40°	231.1	169.6	119.2	76.9	45.5	18.6	0.0
-42.5°	224.4	165.8	116.2	74.2	43.7	18.0	0.0
-45°	216.8	161.3	112.9	71.7	41.9	17.3	0.0
-47.5°	208.3	156.0	109.1	68.9	39.9	16.6	0.0
-50°	200.7	150.1	104.8	66.1	37.8	15.9	0.0
-52.5°	192.6	143.6	100.0	63.0	35.6	15.1	0.0
-55°	183.6	136.5	94.7	59.5	33.3	14.3	0.0
-57.5°	173.7	128.7	88.9	55.8	30.9	13.5	0.0
-60°	163.1	120.3	82.7	51.7	28.4	12.6	0.0
-62.5°	151.3	111.2	76.0	47.4	26.4	11.6	0.0
-65°	138.7	101.5	68.8	42.7	24.3	10.7	0.0
-67.5°	125.3	91.0	61.2	37.9	22.1	9.7	0.0
-70°	111.3	79.5	53.2	32.8	19.8	8.7	0.0
-72.5°	95.1	67.5	44.9	28.7	17.5	7.7	0.0
-75°	78.1	54.9	36.2	24.7	15.1	6.6	0.0
-77.5°	60.5	42.0	29.9	20.7	12.7	5.5	0.0
-80°	42.4	32.3	24.0	16.7	10.2	4.4	0.0
-82.5°	31.2	24.3	18.1	12.6	7.7	3.3	0.0
-85°	20.9	16.3	12.1	8.4	5.1	2.2	0.0
-87.5°	10.4	8.1	6.1	4.2	2.6	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)