

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: P627771 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-740-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627771 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5E-740-U-VWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N128
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

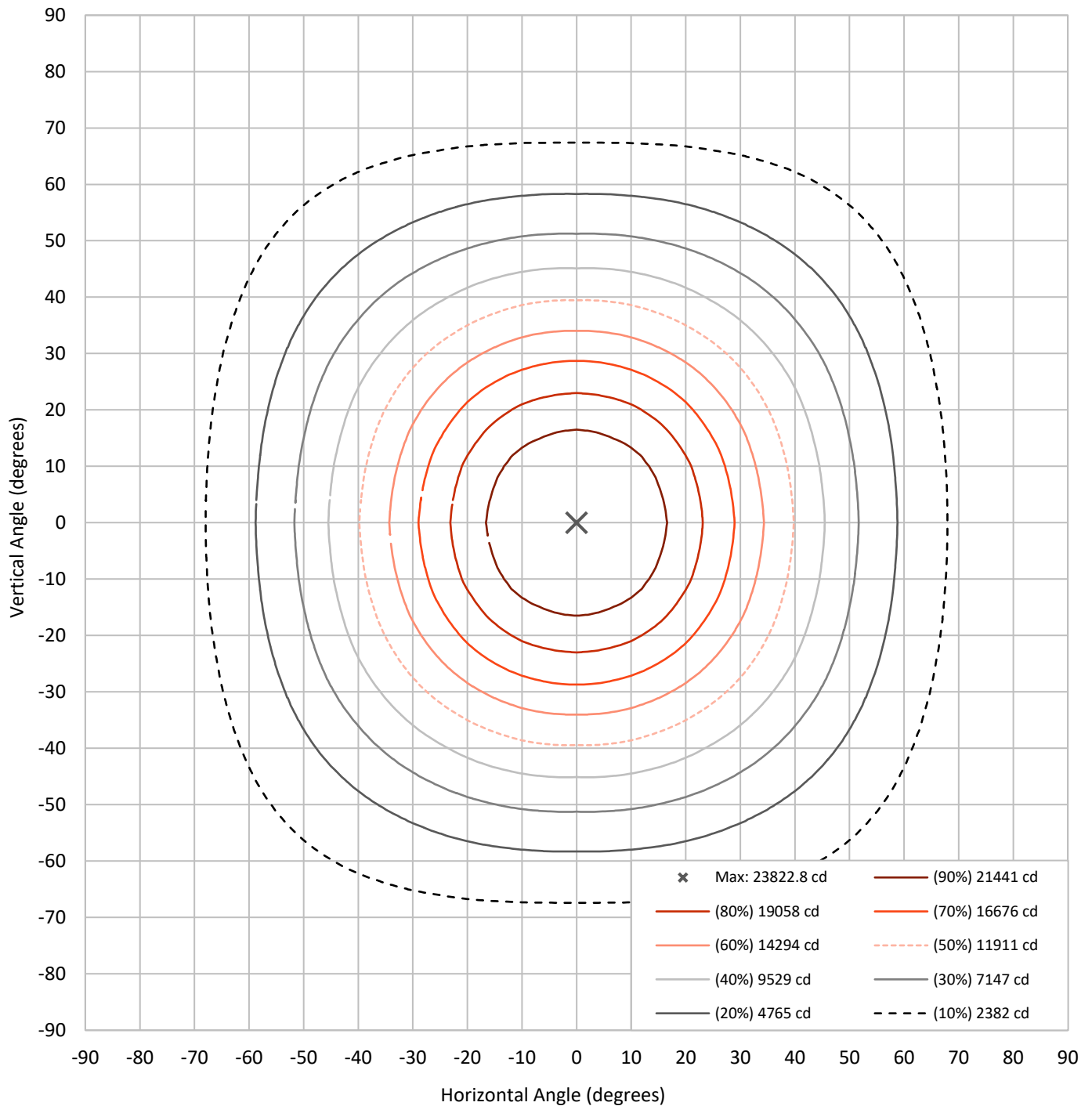
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	43057.6 lumens	Max Intensity:	23822.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	137.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	25253.5 lumens	Field Lumens:	41048 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	313.7		
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





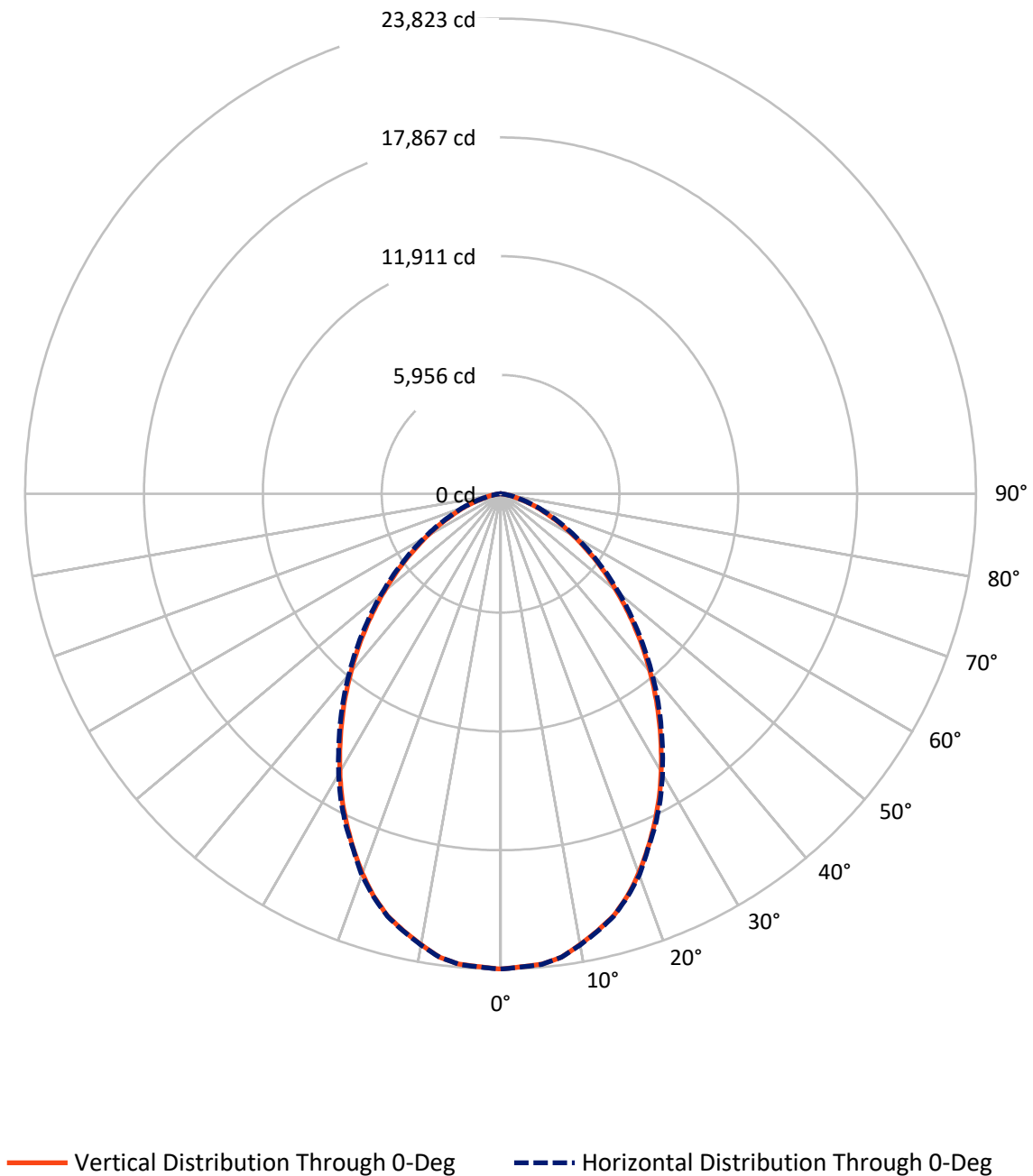
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Lumen Table

90																			
80	1.5	17.6	48.0	81.5	76.9	81.5	48.0	17.6	1.5										
70																			
60	8.0	11.1	22.3	38.0	55.6	71.8	84.0	89.8	89.8	84.0	71.8	55.6	38.0	22.3	11.1	8.0			
50																			
40	14.1	16.6	36.2	64.6	97.8	132.9	161.8	176.8	176.8	161.8	132.9	97.8	64.6	36.2	16.6	14.1			
30																			
20	18.1	22.2	52.4	96.7	153.1	212.3	261.9	288.9	288.9	261.9	212.3	153.1	96.7	52.4	22.2	18.1			
10																			
0	19.7	28.1	69.4	133.1	214.4	300.6	374.2	416.0	416.0	374.2	300.6	214.4	133.1	69.4	28.1	19.7			
-10																			
-20	18.1	33.7	85.3	167.3	273.0	387.5	487.4	544.7	544.7	487.4	387.5	273.0	167.3	85.3	33.7	18.1			
-30																			
-40	14.1	38.0	97.7	192.9	318.7	457.9	580.8	650.6	650.6	580.8	457.9	318.7	192.9	97.7	38.0	14.1			
-50																			
-60	8.0	40.3	104.5	207.5	344.1	497.0	631.3	704.8	704.8	631.3	497.0	344.1	207.5	104.5	40.3	8.0			
-70																			
-80	1.5	40.3	104.5	207.5	344.1	497.0	631.3	704.8	704.8	631.3	497.0	344.1	207.5	104.5	40.3	1.5			
-90																			

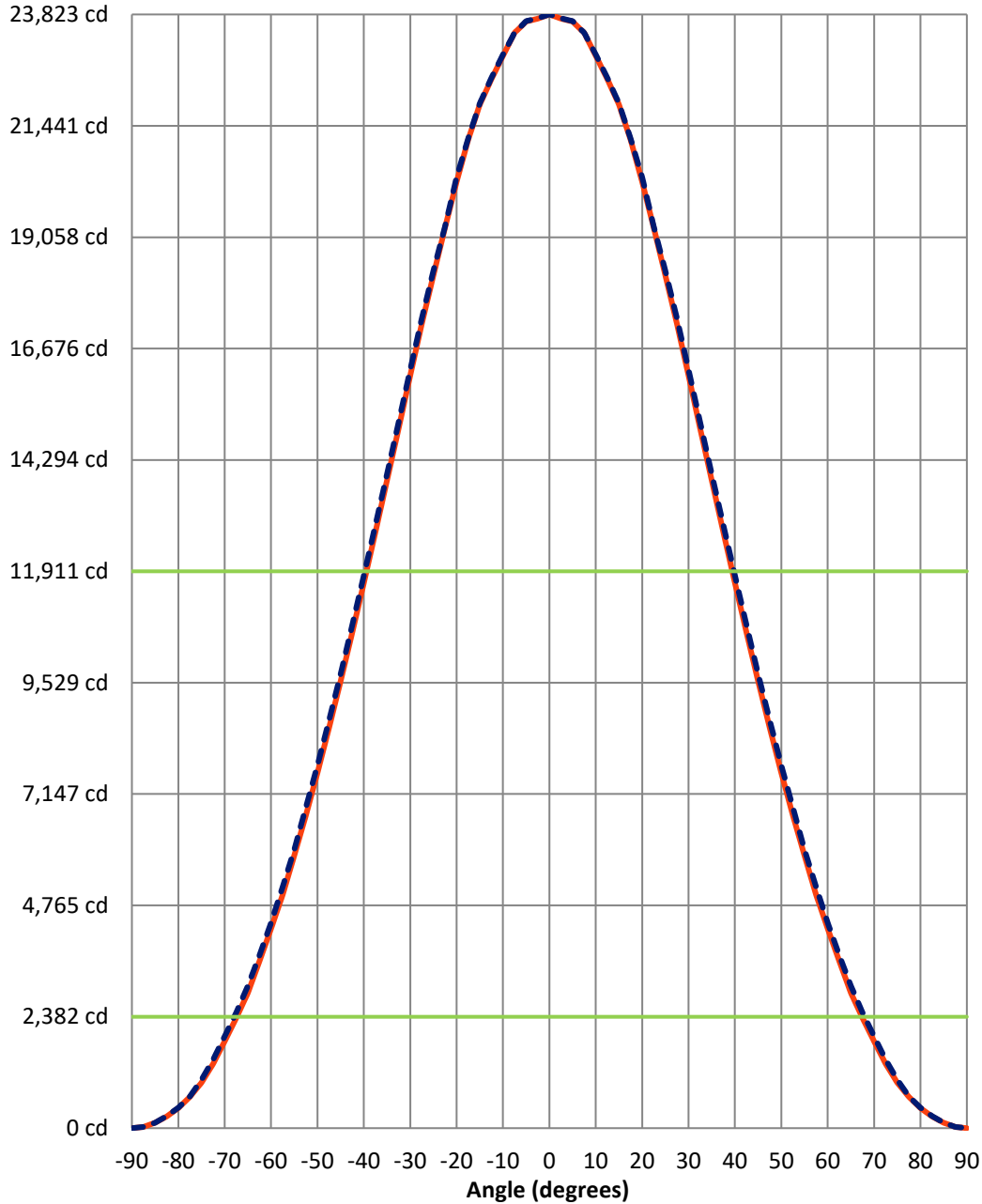
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 79.6°
V Angle: 78.9°
Lumens: 25253.5
Efficiency: 58.7%

Field:
H Angle: 135.9°
V Angle: 134.8°
Lumens: 41048
Efficiency: 95.3%

Spill:
Lumens: 2009.6
Efficiency: 4.7%

- 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	1.4	3.1	4.7	6.2	7.7	9.2	10.7	12.2	13.7	15.1
85°	0.0	2.7	6.2	9.3	12.4	15.4	18.5	21.4	24.4	27.3	30.1
82.5°	0.0	4.1	9.3	13.9	18.5	23.1	27.6	32.1	40.2	63.3	85.4
80°	0.0	5.4	12.3	18.5	24.7	30.8	41.6	74.1	105.3	135.3	164.0
77.5°	0.0	6.7	15.3	23.1	30.8	48.2	90.7	131.6	170.0	207.0	252.7
75°	0.0	8.0	18.3	27.6	40.1	83.5	138.5	188.7	236.7	302.8	373.0
72.5°	0.0	9.3	21.2	32.1	63.9	117.7	184.9	250.0	325.5	405.9	491.2
70°	0.0	10.6	24.0	38.5	86.9	150.7	231.3	323.6	412.4	507.2	618.0
67.5°	0.0	11.8	26.8	52.7	109.1	182.3	286.9	395.4	497.5	617.1	744.1
65°	0.0	13.0	29.4	66.4	130.2	217.7	340.1	465.4	589.3	723.8	862.2
62.5°	0.0	14.2	32.0	79.5	150.2	256.5	390.6	538.4	678.0	825.8	967.9
60°	0.0	15.3	34.5	91.8	169.1	293.2	438.2	610.9	763.5	921.3	1072.0
57.5°	0.0	16.4	41.4	103.5	194.2	327.6	488.3	678.4	847.7	1015.0	1170.8
55°	0.0	17.5	48.2	114.3	218.1	359.7	535.8	736.8	930.5	1105.6	1265.5
52.5°	0.0	18.5	54.7	124.3	240.3	390.1	579.8	797.5	1011.5	1189.0	1357.8
50°	0.0	19.4	61.0	133.4	260.8	422.4	620.1	855.1	1088.3	1269.9	1463.6
47.5°	0.0	20.3	66.9	143.0	279.5	451.9	657.8	908.7	1157.9	1348.2	1567.3
45°	0.0	21.2	72.6	155.4	296.3	478.5	699.8	958.1	1212.1	1436.8	1666.5
42.5°	0.0	22.0	78.0	166.6	311.2	502.1	738.3	1003.5	1263.9	1521.6	1783.3
40°	0.0	22.7	83.0	178.1	326.1	522.8	773.2	1046.5	1317.7	1601.0	1897.2
37.5°	0.0	23.4	87.7	189.4	340.9	540.4	804.5	1087.3	1378.1	1676.3	2003.9
35°	0.0	24.0	92.1	200.0	353.6	560.8	832.0	1125.7	1437.1	1763.1	2111.5
32.5°	0.0	24.6	96.2	209.8	364.3	581.3	857.6	1161.6	1494.3	1846.6	2225.4
30°	0.0	25.1	99.8	218.7	372.8	598.7	884.1	1197.6	1549.4	1926.3	2331.9
27.5°	0.0	25.6	103.2	226.8	385.5	613.1	907.9	1239.4	1606.2	2002.0	2430.6
25°	0.0	26.0	106.2	234.0	397.5	624.6	928.9	1278.2	1665.5	2079.0	2522.1
22.5°	0.0	26.3	108.8	240.4	408.1	636.1	946.8	1313.7	1720.0	2151.9	2619.3
20°	0.0	26.6	111.0	245.9	417.2	651.9	961.7	1345.7	1769.5	2217.1	2706.6
17.5°	0.0	26.8	112.9	250.5	424.8	664.8	980.2	1373.8	1813.6	2274.3	2783.5
15°	0.0	27.0	114.5	254.3	430.9	674.9	999.5	1400.7	1851.9	2323.3	2849.8
12.5°	0.0	27.1	115.6	257.2	435.6	682.1	1015.2	1425.9	1886.6	2364.0	2905.4
10°	0.0	27.2	116.4	259.3	438.9	686.6	1027.1	1445.3	1916.5	2402.2	2952.2
7.5°	0.0	27.1	116.9	260.4	440.7	688.5	1035.3	1458.9	1939.5	2433.0	2992.6
5°	0.0	27.1	117.0	260.8	441.0	687.7	1039.5	1466.7	1955.3	2455.3	3021.6
2.5°	0.0	27.0	116.7	260.3	440.0	684.3	1039.7	1468.5	1963.7	2468.8	3039.0
0°	0.0	26.8	116.1	258.9	437.5	678.6	1035.8	1464.4	1964.4	2473.4	3044.8
-2.5°	0.0	27.0	116.7	260.3	440.0	684.3	1039.7	1468.5	1963.7	2468.8	3039.0
-5°	0.0	27.1	117.0	260.8	441.0	687.7	1039.5	1466.7	1955.3	2455.3	3021.6
-7.5°	0.0	27.1	116.9	260.4	440.7	688.5	1035.3	1458.9	1939.5	2433.0	2992.6
-10°	0.0	27.2	116.4	259.3	438.9	686.6	1027.1	1445.3	1916.5	2402.2	2952.2
-12.5°	0.0	27.1	115.6	257.2	435.6	682.1	1015.2	1425.9	1886.6	2364.0	2905.4
-15°	0.0	27.0	114.5	254.3	430.9	674.9	999.5	1400.7	1851.9	2323.3	2849.8
-17.5°	0.0	26.8	112.9	250.5	424.8	664.8	980.2	1373.8	1813.6	2274.3	2783.5
-20°	0.0	26.6	111.0	245.9	417.2	651.9	961.7	1345.7	1769.5	2217.1	2706.6

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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°	0.0	26.3	108.8	240.4	408.1	636.1	946.8	1313.7	1720.0	2151.9	2619.3
-25°	0.0	26.0	106.2	234.0	397.5	624.6	928.9	1278.2	1665.5	2079.0	2522.1
-27.5°	0.0	25.6	103.2	226.8	385.5	613.1	907.9	1239.4	1606.2	2002.0	2430.6
-30°	0.0	25.1	99.8	218.7	372.8	598.7	884.1	1197.6	1549.4	1926.3	2331.9
-32.5°	0.0	24.6	96.2	209.8	364.3	581.3	857.6	1161.6	1494.3	1846.6	2225.4
-35°	0.0	24.0	92.1	200.0	353.6	560.8	832.0	1125.7	1437.1	1763.1	2111.5
-37.5°	0.0	23.4	87.7	189.4	340.9	540.4	804.5	1087.3	1378.1	1676.3	2003.9
-40°	0.0	22.7	83.0	178.1	326.1	522.8	773.2	1046.5	1317.7	1601.0	1897.2
-42.5°	0.0	22.0	78.0	166.6	311.2	502.1	738.3	1003.5	1263.9	1521.6	1783.3
-45°	0.0	21.2	72.6	155.4	296.3	478.5	699.8	958.1	1212.1	1436.8	1666.5
-47.5°	0.0	20.3	66.9	143.0	279.5	451.9	657.8	908.7	1157.9	1348.2	1567.3
-50°	0.0	19.4	61.0	133.4	260.8	422.4	620.1	855.1	1088.3	1269.9	1463.6
-52.5°	0.0	18.5	54.7	124.3	240.3	390.1	579.8	797.5	1011.5	1189.0	1357.8
-55°	0.0	17.5	48.2	114.3	218.1	359.7	535.8	736.8	930.5	1105.6	1265.5
-57.5°	0.0	16.4	41.4	103.5	194.2	327.6	488.3	678.4	847.7	1015.0	1170.8
-60°	0.0	15.3	34.5	91.8	169.1	293.2	438.2	610.9	763.5	921.3	1072.0
-62.5°	0.0	14.2	32.0	79.5	150.2	256.5	390.6	538.4	678.0	825.8	967.9
-65°	0.0	13.0	29.4	66.4	130.2	217.7	340.1	465.4	589.3	723.8	862.2
-67.5°	0.0	11.8	26.8	52.7	109.1	182.3	286.9	395.4	497.5	617.1	744.1
-70°	0.0	10.6	24.0	38.5	86.9	150.7	231.3	323.6	412.4	507.2	618.0
-72.5°	0.0	9.3	21.2	32.1	63.9	117.7	184.9	250.0	325.5	405.9	491.2
-75°	0.0	8.0	18.3	27.6	40.1	83.5	138.5	188.7	236.7	302.8	373.0
-77.5°	0.0	6.7	15.3	23.1	30.8	48.2	90.7	131.6	170.0	207.0	252.7
-80°	0.0	5.4	12.3	18.5	24.7	30.8	41.6	74.1	105.3	135.3	164.0
-82.5°	0.0	4.1	9.3	13.9	18.5	23.1	27.6	32.1	40.2	63.3	85.4
-85°	0.0	2.7	6.2	9.3	12.4	15.4	18.5	21.4	24.4	27.3	30.1
-87.5°	0.0	1.4	3.1	4.7	6.2	7.7	9.2	10.7	12.2	13.7	15.1
-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°	17.5	20.1	22.8	25.6	25.8	25.8	25.6	25.3	26.3	27.3	28.3
85°	34.9	40.0	55.6	70.6	77.9	82.4	84.4	84.1	97.8	113.6	130.8
82.5°	108.6	131.0	152.4	172.7	177.9	178.1	176.3	176.9	209.0	245.8	283.6
80°	193.4	221.8	259.5	292.9	307.4	314.9	318.4	317.8	358.4	412.6	469.5
77.5°	306.9	354.7	396.3	431.7	450.8	467.6	481.3	491.9	544.1	612.6	680.4
75°	436.1	488.6	540.7	586.2	617.9	641.5	663.5	698.8	767.2	847.1	916.5
72.5°	572.5	639.5	697.6	746.9	791.5	838.9	891.9	949.9	1022.1	1101.9	1174.5
70°	718.2	791.8	852.7	912.1	972.9	1043.8	1123.3	1201.5	1282.0	1370.0	1454.7
67.5°	860.7	931.8	1003.4	1078.4	1169.3	1264.2	1358.2	1466.1	1576.5	1674.2	1761.6
65°	984.5	1067.8	1157.4	1259.1	1371.5	1492.0	1617.5	1746.9	1886.9	2004.2	2111.2
62.5°	1102.7	1202.9	1311.8	1438.5	1581.7	1724.5	1884.6	2046.6	2204.1	2342.4	2470.2
60°	1211.6	1332.9	1470.7	1626.0	1793.3	1983.1	2165.3	2349.5	2522.4	2678.9	2840.5
57.5°	1317.6	1470.2	1635.5	1822.1	2033.5	2246.8	2461.0	2659.1	2854.8	3045.6	3228.3
55°	1429.8	1613.7	1810.4	2039.2	2277.6	2529.8	2760.5	2981.6	3197.2	3428.7	3648.8
52.5°	1553.2	1758.6	2004.8	2260.9	2536.2	2807.0	3060.4	3312.3	3572.9	3834.9	4121.4
50°	1672.3	1928.5	2198.2	2496.0	2793.5	3083.5	3374.1	3664.3	3976.5	4297.9	4622.5
47.5°	1811.4	2091.0	2409.6	2729.0	3054.0	3376.8	3700.7	4051.3	4406.0	4778.7	5137.8
45°	1952.3	2266.5	2609.8	2971.1	3322.5	3679.9	4058.6	4446.2	4862.1	5271.9	5704.0
42.5°	2085.7	2441.0	2819.4	3209.5	3600.5	3999.8	4416.2	4869.0	5323.4	5796.1	6270.9
40°	2233.6	2606.9	3024.1	3453.9	3878.1	4320.7	4796.6	5287.1	5801.2	6321.0	6836.6
37.5°	2375.7	2786.1	3224.7	3687.3	4163.3	4649.7	5166.5	5723.1	6280.8	6840.2	7408.7
35°	2508.8	2956.0	3431.1	3922.2	4427.0	4980.3	5557.9	6152.2	6756.4	7361.4	7973.0
32.5°	2645.8	3116.2	3628.3	4153.9	4710.2	5303.5	5936.2	6580.2	7223.6	7869.7	8539.0
30°	2783.0	3284.2	3819.3	4373.0	4981.4	5627.9	6307.9	6990.1	7670.7	8381.6	9095.0
27.5°	2912.7	3443.6	4007.0	4599.4	5241.4	5928.3	6650.6	7381.2	8115.1	8870.9	9631.9
25°	3032.1	3594.6	4181.2	4817.3	5497.7	6217.4	6969.8	7732.3	8537.1	9345.9	10140.5
22.5°	3148.5	3733.3	4342.5	5018.0	5730.1	6485.9	7269.3	8074.4	8915.5	9784.1	10606.4
20°	3260.6	3865.4	4499.5	5200.0	5938.1	6727.6	7541.6	8384.6	9267.0	10158.8	11043.3
17.5°	3360.1	3982.7	4645.6	5370.0	6136.7	6948.5	7786.8	8657.6	9579.3	10503.7	11440.9
15°	3446.7	4084.9	4772.2	5518.5	6312.3	7149.3	8014.4	8910.0	9855.4	10818.0	11792.3
12.5°	3520.0	4171.4	4878.8	5644.6	6461.2	7321.6	8210.1	9137.1	10108.0	11097.5	12100.1
10°	3579.5	4241.9	4965.0	5747.8	6582.8	7463.9	8371.2	9324.3	10324.3	11335.4	12359.0
7.5°	3630.1	4300.7	5033.4	5827.3	6676.6	7575.4	8496.6	9470.4	10496.6	11520.8	12567.0
5°	3667.0	4348.3	5096.3	5894.0	6758.1	7662.5	8591.6	9574.5	10622.6	11652.9	12717.7
2.5°	3689.2	4379.2	5139.0	5937.2	6822.1	7727.8	8676.1	9666.4	10715.0	11757.7	12831.1
0°	3696.6	4393.1	5161.0	5955.7	6857.5	7759.4	8723.7	9714.8	10759.5	11822.1	12902.5
-2.5°	3689.2	4379.2	5139.0	5937.2	6822.1	7727.8	8676.1	9666.4	10715.0	11757.7	12831.1
-5°	3667.0	4348.3	5096.3	5894.0	6758.1	7662.5	8591.6	9574.5	10622.6	11652.9	12717.7
-7.5°	3630.1	4300.7	5033.4	5827.3	6676.6	7575.4	8496.6	9470.4	10496.6	11520.8	12567.0
-10°	3579.5	4241.9	4965.0	5747.8	6582.8	7463.9	8371.2	9324.3	10324.3	11335.4	12359.0
-12.5°	3520.0	4171.4	4878.8	5644.6	6461.2	7321.6	8210.1	9137.1	10108.0	11097.5	12100.1
-15°	3446.7	4084.9	4772.2	5518.5	6312.3	7149.3	8014.4	8910.0	9855.4	10818.0	11792.3
-17.5°	3360.1	3982.7	4645.6	5370.0	6136.7	6948.5	7786.8	8657.6	9579.3	10503.7	11440.9
-20°	3260.6	3865.4	4499.5	5200.0	5938.1	6727.6	7541.6	8384.6	9267.0	10158.8	11043.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3148.5	3733.3	4342.5	5018.0	5730.1	6485.9	7269.3	8074.4	8915.5	9784.1	10606.4
-25°	3032.1	3594.6	4181.2	4817.3	5497.7	6217.4	6969.8	7732.3	8537.1	9345.9	10140.5
-27.5°	2912.7	3443.6	4007.0	4599.4	5241.4	5928.3	6650.6	7381.2	8115.1	8870.9	9631.9
-30°	2783.0	3284.2	3819.3	4373.0	4981.4	5627.9	6307.9	6990.1	7670.7	8381.6	9095.0
-32.5°	2645.8	3116.2	3628.3	4153.9	4710.2	5303.5	5936.2	6580.2	7223.6	7869.7	8539.0
-35°	2508.8	2956.0	3431.1	3922.2	4427.0	4980.3	5557.9	6152.2	6756.4	7361.4	7973.0
-37.5°	2375.7	2786.1	3224.7	3687.3	4163.3	4649.7	5166.5	5723.1	6280.8	6840.2	7408.7
-40°	2233.6	2606.9	3024.1	3453.9	3878.1	4320.7	4796.6	5287.1	5801.2	6321.0	6836.6
-42.5°	2085.7	2441.0	2819.4	3209.5	3600.5	3999.8	4416.2	4869.0	5323.4	5796.1	6270.9
-45°	1952.3	2266.5	2609.8	2971.1	3322.5	3679.9	4058.6	4446.2	4862.1	5271.9	5704.0
-47.5°	1811.4	2091.0	2409.6	2729.0	3054.0	3376.8	3700.7	4051.3	4406.0	4778.7	5137.8
-50°	1672.3	1928.5	2198.2	2496.0	2793.5	3083.5	3374.1	3664.3	3976.5	4297.9	4622.5
-52.5°	1553.2	1758.6	2004.8	2260.9	2536.2	2807.0	3060.4	3312.3	3572.9	3834.9	4121.4
-55°	1429.8	1613.7	1810.4	2039.2	2277.6	2529.8	2760.5	2981.6	3197.2	3428.7	3648.8
-57.5°	1317.6	1470.2	1635.5	1822.1	2033.5	2246.8	2461.0	2659.1	2854.8	3045.6	3228.3
-60°	1211.6	1332.9	1470.7	1626.0	1793.3	1983.1	2165.3	2349.5	2522.4	2678.9	2840.5
-62.5°	1102.7	1202.9	1311.8	1438.5	1581.7	1724.5	1884.6	2046.6	2204.1	2342.4	2470.2
-65°	984.5	1067.8	1157.4	1259.1	1371.5	1492.0	1617.5	1746.9	1886.9	2004.2	2111.2
-67.5°	860.7	931.8	1003.4	1078.4	1169.3	1264.2	1358.2	1466.1	1576.5	1674.2	1761.6
-70°	718.2	791.8	852.7	912.1	972.9	1043.8	1123.3	1201.5	1282.0	1370.0	1454.7
-72.5°	572.5	639.5	697.6	746.9	791.5	838.9	891.9	949.9	1022.1	1101.9	1174.5
-75°	436.1	488.6	540.7	586.2	617.9	641.5	663.5	698.8	767.2	847.1	916.5
-77.5°	306.9	354.7	396.3	431.7	450.8	467.6	481.3	491.9	544.1	612.6	680.4
-80°	193.4	221.8	259.5	292.9	307.4	314.9	318.4	317.8	358.4	412.6	469.5
-82.5°	108.6	131.0	152.4	172.7	177.9	178.1	176.3	176.9	209.0	245.8	283.6
-85°	34.9	40.0	55.6	70.6	77.9	82.4	84.4	84.1	97.8	113.6	130.8
-87.5°	17.5	20.1	22.8	25.6	25.8	25.8	25.6	25.3	26.3	27.3	28.3
-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: P627771 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	29.2	30.1	30.9	31.7	32.4	33.0	33.5	34.0	34.5	32.7	30.8
85°	149.2	159.7	169.5	179.0	187.9	196.4	204.4	211.9	218.7	199.8	178.8
82.5°	322.1	347.9	372.5	397.0	421.2	427.4	429.3	428.4	425.1	391.7	354.9
80°	525.8	569.6	610.8	651.7	692.1	696.7	692.1	683.7	672.0	628.3	578.8
77.5°	748.1	803.2	851.5	895.6	935.8	943.4	942.3	940.3	937.0	892.5	838.5
75°	976.0	1029.9	1081.9	1126.1	1163.0	1179.9	1188.2	1194.1	1197.4	1165.4	1123.4
72.5°	1240.3	1296.4	1342.2	1385.1	1421.4	1447.7	1466.6	1480.9	1490.6	1480.9	1463.7
70°	1527.0	1587.1	1637.7	1686.2	1735.5	1775.0	1804.8	1826.4	1840.1	1849.1	1855.4
67.5°	1849.8	1930.6	2001.1	2061.2	2120.8	2176.6	2222.5	2260.0	2288.9	2313.5	2332.4
65°	2213.6	2316.8	2408.3	2492.4	2569.4	2650.4	2716.8	2772.6	2817.5	2854.6	2884.4
62.5°	2596.0	2722.5	2840.0	2954.0	3065.7	3175.7	3260.2	3337.1	3405.4	3464.2	3511.0
60°	2993.4	3137.1	3294.8	3445.3	3583.9	3710.4	3836.1	3945.0	4038.1	4115.4	4177.7
57.5°	3420.6	3606.7	3791.1	3978.0	4154.6	4319.9	4474.6	4611.1	4726.4	4821.0	4900.5
55°	3882.0	4114.9	4328.6	4564.5	4792.2	4999.7	5182.3	5342.8	5481.6	5597.9	5696.6
52.5°	4389.3	4672.2	4949.9	5218.2	5476.9	5717.5	5936.2	6123.1	6289.3	6431.9	6545.6
50°	4944.5	5268.2	5590.0	5888.5	6185.7	6463.0	6713.6	6930.5	7124.0	7291.5	7423.3
47.5°	5525.1	5893.5	6252.9	6594.6	6923.5	7231.7	7503.1	7750.4	7991.6	8188.4	8343.9
45°	6127.9	6541.2	6937.8	7328.4	7690.6	8036.1	8370.9	8678.7	8926.3	9143.0	9325.1
42.5°	6738.1	7199.2	7643.2	8069.4	8467.7	8867.2	9243.8	9580.4	9862.6	10109.1	10315.9
40°	7356.3	7861.1	8350.3	8814.9	9270.2	9705.8	10113.2	10468.1	10786.5	11079.2	11323.0
37.5°	7971.4	8526.7	9068.6	9589.1	10090.5	10562.4	11002.5	11403.6	11762.9	12096.3	12367.0
35°	8589.1	9198.4	9791.6	10364.5	10912.1	11432.8	11914.7	12371.1	12794.5	13132.2	13409.2
32.5°	9204.5	9859.5	10505.2	11135.8	11735.1	12296.5	12818.7	13323.0	13758.5	14129.7	14448.2
30°	9800.0	10509.5	11212.7	11896.4	12543.9	13152.2	13730.3	14263.6	14732.0	15137.9	15495.1
27.5°	10384.3	11146.6	11901.0	12631.5	13331.5	13992.5	14623.5	15201.7	15712.9	16154.1	16530.7
25°	10936.5	11755.9	12560.1	13334.5	14082.3	14811.5	15492.7	16123.8	16669.7	17154.1	17541.1
22.5°	11464.2	12338.0	13182.9	13997.6	14797.5	15583.5	16329.3	16988.3	17566.9	18073.2	18501.5
20°	11955.7	12892.0	13756.6	14618.2	15460.7	16299.9	17100.7	17796.0	18408.3	18947.2	19419.3
17.5°	12415.2	13375.7	14285.9	15203.3	16091.3	16971.6	17785.2	18530.4	19190.9	19763.3	20257.8
15°	12804.2	13774.1	14768.3	15747.7	16684.1	17575.6	18388.4	19166.7	19900.2	20519.3	21020.6
12.5°	13119.2	14127.9	15165.0	16204.7	17195.1	18085.4	18936.3	19725.9	20496.3	21191.6	21652.5
10°	13387.6	14426.3	15497.0	16557.3	17560.9	18503.0	19428.1	20262.9	21019.9	21642.6	22157.3
7.5°	13619.8	14689.7	15777.1	16839.1	17839.3	18812.7	19765.1	20651.7	21415.9	22002.5	22461.7
5°	13791.0	14886.3	15994.7	17066.5	18080.7	19057.2	20013.9	20889.4	21635.4	22232.2	22732.9
2.5°	13913.4	15019.0	16135.3	17208.8	18245.5	19224.4	20205.0	21090.3	21812.7	22359.6	22838.9
0°	13991.9	15099.1	16224.1	17322.4	18340.3	19286.8	20340.4	21170.8	21920.9	22465.5	22965.6
-2.5°	13913.4	15019.0	16135.3	17208.8	18245.5	19224.4	20205.0	21090.3	21812.7	22359.6	22838.9
-5°	13791.0	14886.3	15994.7	17066.5	18080.7	19057.2	20013.9	20889.4	21635.4	22232.2	22732.9
-7.5°	13619.8	14689.7	15777.1	16839.1	17839.3	18812.7	19765.1	20651.7	21415.9	22002.5	22461.7
-10°	13387.6	14426.3	15497.0	16557.3	17560.9	18503.0	19428.1	20262.9	21019.9	21642.6	22157.3
-12.5°	13119.2	14127.9	15165.0	16204.7	17195.1	18085.4	18936.3	19725.9	20496.3	21191.6	21652.5
-15°	12804.2	13774.1	14768.3	15747.7	16684.1	17575.6	18388.4	19166.7	19900.2	20519.3	21020.6
-17.5°	12415.2	13375.7	14285.9	15203.3	16091.3	16971.6	17785.2	18530.4	19190.9	19763.3	20257.8
-20°	11955.7	12892.0	13756.6	14618.2	15460.7	16299.9	17100.7	17796.0	18408.3	18947.2	19419.3



REPORT NUMBER: P627771 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11464.2	12338.0	13182.9	13997.6	14797.5	15583.5	16329.3	16988.3	17566.9	18073.2	18501.5
-25°	10936.5	11755.9	12560.1	13334.5	14082.3	14811.5	15492.7	16123.8	16669.7	17154.1	17541.1
-27.5°	10384.3	11146.6	11901.0	12631.5	13331.5	13992.5	14623.5	15201.7	15712.9	16154.1	16530.7
-30°	9800.0	10509.5	11212.7	11896.4	12543.9	13152.2	13730.3	14263.6	14732.0	15137.9	15495.1
-32.5°	9204.5	9859.5	10505.2	11135.8	11735.1	12296.5	12818.7	13323.0	13758.5	14129.7	14448.2
-35°	8589.1	9198.4	9791.6	10364.5	10912.1	11432.8	11914.7	12371.1	12794.5	13132.2	13409.2
-37.5°	7971.4	8526.7	9068.6	9589.1	10090.5	10562.4	11002.5	11403.6	11762.9	12096.3	12367.0
-40°	7356.3	7861.1	8350.3	8814.9	9270.2	9705.8	10113.2	10468.1	10786.5	11079.2	11323.0
-42.5°	6738.1	7199.2	7643.2	8069.4	8467.7	8867.2	9243.8	9580.4	9862.6	10109.1	10315.9
-45°	6127.9	6541.2	6937.8	7328.4	7690.6	8036.1	8370.9	8678.7	8926.3	9143.0	9325.1
-47.5°	5525.1	5893.5	6252.9	6594.6	6923.5	7231.7	7503.1	7750.4	7991.6	8188.4	8343.9
-50°	4944.5	5268.2	5590.0	5888.5	6185.7	6463.0	6713.6	6930.5	7124.0	7291.5	7423.3
-52.5°	4389.3	4672.2	4949.9	5218.2	5476.9	5717.5	5936.2	6123.1	6289.3	6431.9	6545.6
-55°	3882.0	4114.9	4328.6	4564.5	4792.2	4999.7	5182.3	5342.8	5481.6	5597.9	5696.6
-57.5°	3420.6	3606.7	3791.1	3978.0	4154.6	4319.9	4474.6	4611.1	4726.4	4821.0	4900.5
-60°	2993.4	3137.1	3294.8	3445.3	3583.9	3710.4	3836.1	3945.0	4038.1	4115.4	4177.7
-62.5°	2596.0	2722.5	2840.0	2954.0	3065.7	3175.7	3260.2	3337.1	3405.4	3464.2	3511.0
-65°	2213.6	2316.8	2408.3	2492.4	2569.4	2650.4	2716.8	2772.6	2817.5	2854.6	2884.4
-67.5°	1849.8	1930.6	2001.1	2061.2	2120.8	2176.6	2222.5	2260.0	2288.9	2313.5	2332.4
-70°	1527.0	1587.1	1637.7	1686.2	1735.5	1775.0	1804.8	1826.4	1840.1	1849.1	1855.4
-72.5°	1240.3	1296.4	1342.2	1385.1	1421.4	1447.7	1466.6	1480.9	1490.6	1480.9	1463.7
-75°	976.0	1029.9	1081.9	1126.1	1163.0	1179.9	1188.2	1194.1	1197.4	1165.4	1123.4
-77.5°	748.1	803.2	851.5	895.6	935.8	943.4	942.3	940.3	937.0	892.5	838.5
-80°	525.8	569.6	610.8	651.7	692.1	696.7	692.1	683.7	672.0	628.3	578.8
-82.5°	322.1	347.9	372.5	397.0	421.2	427.4	429.3	428.4	425.1	391.7	354.9
-85°	149.2	159.7	169.5	179.0	187.9	196.4	204.4	211.9	218.7	199.8	178.8
-87.5°	29.2	30.1	30.9	31.7	32.4	33.0	33.5	34.0	34.5	32.7	30.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-740-U-VWR-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°	28.8	26.7	26.8	26.8	26.8	26.7	28.8	30.8	32.7	34.5	34.0
85°	156.5	133.3	124.8	116.1	124.8	133.3	156.5	178.8	199.8	218.7	211.9
82.5°	316.1	275.9	263.1	250.0	263.1	275.9	316.1	354.9	391.7	425.1	428.4
80°	526.6	472.0	450.5	428.6	450.5	472.0	526.6	578.8	628.3	672.0	683.7
77.5°	781.5	721.6	696.0	669.7	696.0	721.6	781.5	838.5	892.5	937.0	940.3
75°	1079.2	1032.3	1003.8	973.3	1003.8	1032.3	1079.2	1123.4	1165.4	1197.4	1194.1
72.5°	1444.1	1421.2	1400.5	1375.1	1400.5	1421.2	1444.1	1463.7	1480.9	1490.6	1480.9
70°	1857.6	1854.7	1858.3	1857.2	1858.3	1854.7	1857.6	1855.4	1849.1	1840.1	1826.4
67.5°	2342.2	2342.8	2352.8	2357.3	2352.8	2342.8	2342.2	2332.4	2313.5	2288.9	2260.0
65°	2902.8	2909.6	2907.0	2893.0	2907.0	2909.6	2902.8	2884.4	2854.6	2817.5	2772.6
62.5°	3544.3	3563.5	3574.1	3571.6	3574.1	3563.5	3544.3	3511.0	3464.2	3405.4	3337.1
60°	4224.3	4254.4	4269.7	4268.1	4269.7	4254.4	4224.3	4177.7	4115.4	4038.1	3945.0
57.5°	4959.7	4998.5	5007.6	4991.4	5007.6	4998.5	4959.7	4900.5	4821.0	4726.4	4611.1
55°	5771.1	5820.6	5839.8	5830.7	5839.8	5820.6	5771.1	5696.6	5597.9	5481.6	5342.8
52.5°	6629.0	6682.5	6701.6	6687.9	6701.6	6682.5	6629.0	6545.6	6431.9	6289.3	6123.1
50°	7520.1	7585.0	7611.1	7598.6	7611.1	7585.0	7520.1	7423.3	7291.5	7124.0	6930.5
47.5°	8465.9	8552.2	8585.9	8563.0	8585.9	8552.2	8465.9	8343.9	8188.4	7991.6	7750.4
45°	9461.1	9550.6	9585.4	9563.0	9585.4	9550.6	9461.1	9325.1	9143.0	8926.3	8678.7
42.5°	10474.1	10590.5	10639.7	10598.8	10639.7	10590.5	10474.1	10315.9	10109.1	9862.6	9580.4
40°	11505.0	11631.4	11689.6	11661.4	11689.6	11631.4	11505.0	11323.0	11079.2	10786.5	10468.1
37.5°	12562.4	12688.2	12749.9	12750.7	12749.9	12688.2	12562.4	12367.0	12096.3	11762.9	11403.6
35°	13623.8	13776.0	13862.1	13857.9	13862.1	13776.0	13623.8	13409.2	13132.2	12794.5	12371.1
32.5°	14699.9	14864.7	14952.7	14965.1	14952.7	14864.7	14699.9	14448.2	14129.7	13758.5	13323.0
30°	15774.3	15955.5	16057.3	16099.1	16057.3	15955.5	15774.3	15495.1	15137.9	14732.0	14263.6
27.5°	16816.1	17039.1	17192.9	17206.3	17192.9	17039.1	16816.1	16530.7	16154.1	15712.9	15201.7
25°	17825.2	18052.2	18210.0	18242.1	18210.0	18052.2	17825.2	17541.1	17154.1	16669.7	16123.8
22.5°	18819.7	19057.0	19202.7	19260.0	19202.7	19057.0	18819.7	18501.5	18073.2	17566.9	16988.3
20°	19769.1	20026.3	20180.7	20242.2	20180.7	20026.3	19769.1	19419.3	18947.2	18408.3	17796.0
17.5°	20627.9	20899.7	21090.4	21144.0	21090.4	20899.7	20627.9	20257.8	19763.3	19190.9	18530.4
15°	21383.9	21641.6	21822.6	21894.1	21822.6	21641.6	21383.9	21020.6	20519.3	19900.2	19166.7
12.5°	21999.0	22229.6	22371.4	22438.8	22371.4	22229.6	21999.0	21652.5	21191.6	20496.3	19725.9
10°	22479.7	22711.0	22846.4	22938.8	22846.4	22711.0	22479.7	22157.3	21642.6	21019.9	20262.9
7.5°	22896.8	23133.8	23299.6	23429.9	23299.6	23133.8	22896.8	22461.7	22002.5	21415.9	20651.7
5°	23127.2	23522.9	23582.4	23671.0	23582.4	23522.9	23127.2	22732.9	22232.2	21635.4	20889.4
2.5°	23302.8	23583.4	23752.0	23733.5	23752.0	23583.4	23302.8	22838.9	22359.6	21812.7	21090.3
0°	23429.9	23679.9	23742.4	23822.8	23742.4	23679.9	23429.9	22965.6	22465.5	21920.9	21170.8
-2.5°	23302.8	23583.4	23752.0	23733.5	23752.0	23583.4	23302.8	22838.9	22359.6	21812.7	21090.3
-5°	23127.2	23522.9	23582.4	23671.0	23582.4	23522.9	23127.2	22732.9	22232.2	21635.4	20889.4
-7.5°	22896.8	23133.8	23299.6	23429.9	23299.6	23133.8	22896.8	22461.7	22002.5	21415.9	20651.7
-10°	22479.7	22711.0	22846.4	22938.8	22846.4	22711.0	22479.7	22157.3	21642.6	21019.9	20262.9
-12.5°	21999.0	22229.6	22371.4	22438.8	22371.4	22229.6	21999.0	21652.5	21191.6	20496.3	19725.9
-15°	21383.9	21641.6	21822.6	21894.1	21822.6	21641.6	21383.9	21020.6	20519.3	19900.2	19166.7
-17.5°	20627.9	20899.7	21090.4	21144.0	21090.4	20899.7	20627.9	20257.8	19763.3	19190.9	18530.4
-20°	19769.1	20026.3	20180.7	20242.2	20180.7	20026.3	19769.1	19419.3	18947.2	18408.3	17796.0



REPORT NUMBER: P627771 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18819.7	19057.0	19202.7	19260.0	19202.7	19057.0	18819.7	18501.5	18073.2	17566.9	16988.3
-25°	17825.2	18052.2	18210.0	18242.1	18210.0	18052.2	17825.2	17541.1	17154.1	16669.7	16123.8
-27.5°	16816.1	17039.1	17192.9	17206.3	17192.9	17039.1	16816.1	16530.7	16154.1	15712.9	15201.7
-30°	15774.3	15955.5	16057.3	16099.1	16057.3	15955.5	15774.3	15495.1	15137.9	14732.0	14263.6
-32.5°	14699.9	14864.7	14952.7	14965.1	14952.7	14864.7	14699.9	14448.2	14129.7	13758.5	13323.0
-35°	13623.8	13776.0	13862.1	13857.9	13862.1	13776.0	13623.8	13409.2	13132.2	12794.5	12371.1
-37.5°	12562.4	12688.2	12749.9	12750.7	12749.9	12688.2	12562.4	12367.0	12096.3	11762.9	11403.6
-40°	11505.0	11631.4	11689.6	11661.4	11689.6	11631.4	11505.0	11323.0	11079.2	10786.5	10468.1
-42.5°	10474.1	10590.5	10639.7	10598.8	10639.7	10590.5	10474.1	10315.9	10109.1	9862.6	9580.4
-45°	9461.1	9550.6	9585.4	9563.0	9585.4	9550.6	9461.1	9325.1	9143.0	8926.3	8678.7
-47.5°	8465.9	8552.2	8585.9	8563.0	8585.9	8552.2	8465.9	8343.9	8188.4	7991.6	7750.4
-50°	7520.1	7585.0	7611.1	7598.6	7611.1	7585.0	7520.1	7423.3	7291.5	7124.0	6930.5
-52.5°	6629.0	6682.5	6701.6	6687.9	6701.6	6682.5	6629.0	6545.6	6431.9	6289.3	6123.1
-55°	5771.1	5820.6	5839.8	5830.7	5839.8	5820.6	5771.1	5696.6	5597.9	5481.6	5342.8
-57.5°	4959.7	4998.5	5007.6	4991.4	5007.6	4998.5	4959.7	4900.5	4821.0	4726.4	4611.1
-60°	4224.3	4254.4	4269.7	4268.1	4269.7	4254.4	4224.3	4177.7	4115.4	4038.1	3945.0
-62.5°	3544.3	3563.5	3574.1	3571.6	3574.1	3563.5	3544.3	3511.0	3464.2	3405.4	3337.1
-65°	2902.8	2909.6	2907.0	2893.0	2907.0	2909.6	2902.8	2884.4	2854.6	2817.5	2772.6
-67.5°	2342.2	2342.8	2352.8	2357.3	2352.8	2342.8	2342.2	2332.4	2313.5	2288.9	2260.0
-70°	1857.6	1854.7	1858.3	1857.2	1858.3	1854.7	1857.6	1855.4	1849.1	1840.1	1826.4
-72.5°	1444.1	1421.2	1400.5	1375.1	1400.5	1421.2	1444.1	1463.7	1480.9	1490.6	1480.9
-75°	1079.2	1032.3	1003.8	973.3	1003.8	1032.3	1079.2	1123.4	1165.4	1197.4	1194.1
-77.5°	781.5	721.6	696.0	669.7	696.0	721.6	781.5	838.5	892.5	937.0	940.3
-80°	526.6	472.0	450.5	428.6	450.5	472.0	526.6	578.8	628.3	672.0	683.7
-82.5°	316.1	275.9	263.1	250.0	263.1	275.9	316.1	354.9	391.7	425.1	428.4
-85°	156.5	133.3	124.8	116.1	124.8	133.3	156.5	178.8	199.8	218.7	211.9
-87.5°	28.8	26.7	26.8	26.8	26.8	26.7	28.8	30.8	32.7	34.5	34.0
-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: P627771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-740-U-VWR-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°	33.5	33.0	32.4	31.7	30.9	30.1	29.2	28.3	27.3	26.3	25.3
85°	204.4	196.4	187.9	179.0	169.5	159.7	149.2	130.8	113.6	97.8	84.1
82.5°	429.3	427.4	421.2	397.0	372.5	347.9	322.1	283.6	245.8	209.0	176.9
80°	692.1	696.7	692.1	651.7	610.8	569.6	525.8	469.5	412.6	358.4	317.8
77.5°	942.3	943.4	935.8	895.6	851.5	803.2	748.1	680.4	612.6	544.1	491.9
75°	1188.2	1179.9	1163.0	1126.1	1081.9	1029.9	976.0	916.5	847.1	767.2	698.8
72.5°	1466.6	1447.7	1421.4	1385.1	1342.2	1296.4	1240.3	1174.5	1101.9	1022.1	949.9
70°	1804.8	1775.0	1735.5	1686.2	1637.7	1587.1	1527.0	1454.7	1370.0	1282.0	1201.5
67.5°	2222.5	2176.6	2120.8	2061.2	2001.1	1930.6	1849.8	1761.6	1674.2	1576.5	1466.1
65°	2716.8	2650.4	2569.4	2492.4	2408.3	2316.8	2213.6	2111.2	2004.2	1886.9	1746.9
62.5°	3260.2	3175.7	3065.7	2954.0	2840.0	2722.5	2596.0	2470.2	2342.4	2204.1	2046.6
60°	3836.1	3710.4	3583.9	3445.3	3294.8	3137.1	2993.4	2840.5	2678.9	2522.4	2349.5
57.5°	4474.6	4319.9	4154.6	3978.0	3791.1	3606.7	3420.6	3228.3	3045.6	2854.8	2659.1
55°	5182.3	4999.7	4792.2	4564.5	4328.6	4114.9	3882.0	3648.8	3428.7	3197.2	2981.6
52.5°	5936.2	5717.5	5476.9	5218.2	4949.9	4672.2	4389.3	4121.4	3834.9	3572.9	3312.3
50°	6713.6	6463.0	6185.7	5888.5	5590.0	5268.2	4944.5	4622.5	4297.9	3976.5	3664.3
47.5°	7503.1	7231.7	6923.5	6594.6	6252.9	5893.5	5525.1	5137.8	4778.7	4406.0	4051.3
45°	8370.9	8036.1	7690.6	7328.4	6937.8	6541.2	6127.9	5704.0	5271.9	4862.1	4446.2
42.5°	9243.8	8867.2	8467.7	8069.4	7643.2	7199.2	6738.1	6270.9	5796.1	5323.4	4869.0
40°	10113.2	9705.8	9270.2	8814.9	8350.3	7861.1	7356.3	6836.6	6321.0	5801.2	5287.1
37.5°	11002.5	10562.4	10090.5	9589.1	9068.6	8526.7	7971.4	7408.7	6840.2	6280.8	5723.1
35°	11914.7	11432.8	10912.1	10364.5	9791.6	9198.4	8589.1	7973.0	7361.4	6756.4	6152.2
32.5°	12818.7	12296.5	11735.1	11135.8	10505.2	9859.5	9204.5	8539.0	7869.7	7223.6	6580.2
30°	13730.3	13152.2	12543.9	11896.4	11212.7	10509.5	9800.0	9095.0	8381.6	7670.7	6990.1
27.5°	14623.5	13992.5	13331.5	12631.5	11901.0	11146.6	10384.3	9631.9	8870.9	8115.1	7381.2
25°	15492.7	14811.5	14082.3	13334.5	12560.1	11755.9	10936.5	10140.5	9345.9	8537.1	7732.3
22.5°	16329.3	15583.5	14797.5	13997.6	13182.9	12338.0	11464.2	10606.4	9784.1	8915.5	8074.4
20°	17100.7	16299.9	15460.7	14618.2	13756.6	12892.0	11955.7	11043.3	10158.8	9267.0	8384.6
17.5°	17785.2	16971.6	16091.3	15203.3	14285.9	13375.7	12415.2	11440.9	10503.7	9579.3	8657.6
15°	18388.4	17575.6	16684.1	15747.7	14768.3	13774.1	12804.2	11792.3	10818.0	9855.4	8910.0
12.5°	18936.3	18085.4	17195.1	16204.7	15165.0	14127.9	13119.2	12100.1	11097.5	10108.0	9137.1
10°	19428.1	18503.0	17560.9	16557.3	15497.0	14426.3	13387.6	12359.0	11335.4	10324.3	9324.3
7.5°	19765.1	18812.7	17839.3	16839.1	15777.1	14689.7	13619.8	12567.0	11520.8	10496.6	9470.4
5°	20013.9	19057.2	18080.7	17066.5	15994.7	14886.3	13791.0	12717.7	11652.9	10622.6	9574.5
2.5°	20205.0	19224.4	18245.5	17208.8	16135.3	15019.0	13913.4	12831.1	11757.7	10715.0	9666.4
0°	20340.4	19286.8	18340.3	17322.4	16224.1	15099.1	13991.9	12902.5	11822.1	10759.5	9714.8
-2.5°	20205.0	19224.4	18245.5	17208.8	16135.3	15019.0	13913.4	12831.1	11757.7	10715.0	9666.4
-5°	20013.9	19057.2	18080.7	17066.5	15994.7	14886.3	13791.0	12717.7	11652.9	10622.6	9574.5
-7.5°	19765.1	18812.7	17839.3	16839.1	15777.1	14689.7	13619.8	12567.0	11520.8	10496.6	9470.4
-10°	19428.1	18503.0	17560.9	16557.3	15497.0	14426.3	13387.6	12359.0	11335.4	10324.3	9324.3
-12.5°	18936.3	18085.4	17195.1	16204.7	15165.0	14127.9	13119.2	12100.1	11097.5	10108.0	9137.1
-15°	18388.4	17575.6	16684.1	15747.7	14768.3	13774.1	12804.2	11792.3	10818.0	9855.4	8910.0
-17.5°	17785.2	16971.6	16091.3	15203.3	14285.9	13375.7	12415.2	11440.9	10503.7	9579.3	8657.6
-20°	17100.7	16299.9	15460.7	14618.2	13756.6	12892.0	11955.7	11043.3	10158.8	9267.0	8384.6



REPORT NUMBER: P627771 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16329.3	15583.5	14797.5	13997.6	13182.9	12338.0	11464.2	10606.4	9784.1	8915.5	8074.4
-25°	15492.7	14811.5	14082.3	13334.5	12560.1	11755.9	10936.5	10140.5	9345.9	8537.1	7732.3
-27.5°	14623.5	13992.5	13331.5	12631.5	11901.0	11146.6	10384.3	9631.9	8870.9	8115.1	7381.2
-30°	13730.3	13152.2	12543.9	11896.4	11212.7	10509.5	9800.0	9095.0	8381.6	7670.7	6990.1
-32.5°	12818.7	12296.5	11735.1	11135.8	10505.2	9859.5	9204.5	8539.0	7869.7	7223.6	6580.2
-35°	11914.7	11432.8	10912.1	10364.5	9791.6	9198.4	8589.1	7973.0	7361.4	6756.4	6152.2
-37.5°	11002.5	10562.4	10090.5	9589.1	9068.6	8526.7	7971.4	7408.7	6840.2	6280.8	5723.1
-40°	10113.2	9705.8	9270.2	8814.9	8350.3	7861.1	7356.3	6836.6	6321.0	5801.2	5287.1
-42.5°	9243.8	8867.2	8467.7	8069.4	7643.2	7199.2	6738.1	6270.9	5796.1	5323.4	4869.0
-45°	8370.9	8036.1	7690.6	7328.4	6937.8	6541.2	6127.9	5704.0	5271.9	4862.1	4446.2
-47.5°	7503.1	7231.7	6923.5	6594.6	6252.9	5893.5	5525.1	5137.8	4778.7	4406.0	4051.3
-50°	6713.6	6463.0	6185.7	5888.5	5590.0	5268.2	4944.5	4622.5	4297.9	3976.5	3664.3
-52.5°	5936.2	5717.5	5476.9	5218.2	4949.9	4672.2	4389.3	4121.4	3834.9	3572.9	3312.3
-55°	5182.3	4999.7	4792.2	4564.5	4328.6	4114.9	3882.0	3648.8	3428.7	3197.2	2981.6
-57.5°	4474.6	4319.9	4154.6	3978.0	3791.1	3606.7	3420.6	3228.3	3045.6	2854.8	2659.1
-60°	3836.1	3710.4	3583.9	3445.3	3294.8	3137.1	2993.4	2840.5	2678.9	2522.4	2349.5
-62.5°	3260.2	3175.7	3065.7	2954.0	2840.0	2722.5	2596.0	2470.2	2342.4	2204.1	2046.6
-65°	2716.8	2650.4	2569.4	2492.4	2408.3	2316.8	2213.6	2111.2	2004.2	1886.9	1746.9
-67.5°	2222.5	2176.6	2120.8	2061.2	2001.1	1930.6	1849.8	1761.6	1674.2	1576.5	1466.1
-70°	1804.8	1775.0	1735.5	1686.2	1637.7	1587.1	1527.0	1454.7	1370.0	1282.0	1201.5
-72.5°	1466.6	1447.7	1421.4	1385.1	1342.2	1296.4	1240.3	1174.5	1101.9	1022.1	949.9
-75°	1188.2	1179.9	1163.0	1126.1	1081.9	1029.9	976.0	916.5	847.1	767.2	698.8
-77.5°	942.3	943.4	935.8	895.6	851.5	803.2	748.1	680.4	612.6	544.1	491.9
-80°	692.1	696.7	692.1	651.7	610.8	569.6	525.8	469.5	412.6	358.4	317.8
-82.5°	429.3	427.4	421.2	397.0	372.5	347.9	322.1	283.6	245.8	209.0	176.9
-85°	204.4	196.4	187.9	179.0	169.5	159.7	149.2	130.8	113.6	97.8	84.1
-87.5°	33.5	33.0	32.4	31.7	30.9	30.1	29.2	28.3	27.3	26.3	25.3
-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: P627771 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-740-U-VWR-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°	25.6	25.8	25.8	25.6	22.8	20.1	17.5	15.1	13.7	12.2	10.7
85°	84.4	82.4	77.9	70.6	55.6	40.0	34.9	30.1	27.3	24.4	21.4
82.5°	176.3	178.1	177.9	172.7	152.4	131.0	108.6	85.4	63.3	40.2	32.1
80°	318.4	314.9	307.4	292.9	259.5	221.8	193.4	164.0	135.3	105.3	74.1
77.5°	481.3	467.6	450.8	431.7	396.3	354.7	306.9	252.7	207.0	170.0	131.6
75°	663.5	641.5	617.9	586.2	540.7	488.6	436.1	373.0	302.8	236.7	188.7
72.5°	891.9	838.9	791.5	746.9	697.6	639.5	572.5	491.2	405.9	325.5	250.0
70°	1123.3	1043.8	972.9	912.1	852.7	791.8	718.2	618.0	507.2	412.4	323.6
67.5°	1358.2	1264.2	1169.3	1078.4	1003.4	931.8	860.7	744.1	617.1	497.5	395.4
65°	1617.5	1492.0	1371.5	1259.1	1157.4	1067.8	984.5	862.2	723.8	589.3	465.4
62.5°	1884.6	1724.5	1581.7	1438.5	1311.8	1202.9	1102.7	967.9	825.8	678.0	538.4
60°	2165.3	1983.1	1793.3	1626.0	1470.7	1332.9	1211.6	1072.0	921.3	763.5	610.9
57.5°	2461.0	2246.8	2033.5	1822.1	1635.5	1470.2	1317.6	1170.8	1015.0	847.7	678.4
55°	2760.5	2529.8	2277.6	2039.2	1810.4	1613.7	1429.8	1265.5	1105.6	930.5	736.8
52.5°	3060.4	2807.0	2536.2	2260.9	2004.8	1758.6	1553.2	1357.8	1189.0	1011.5	797.5
50°	3374.1	3083.5	2793.5	2496.0	2198.2	1928.5	1672.3	1463.6	1269.9	1088.3	855.1
47.5°	3700.7	3376.8	3054.0	2729.0	2409.6	2091.0	1811.4	1567.3	1348.2	1157.9	908.7
45°	4058.6	3679.9	3322.5	2971.1	2609.8	2266.5	1952.3	1666.5	1436.8	1212.1	958.1
42.5°	4416.2	3999.8	3600.5	3209.5	2819.4	2441.0	2085.7	1783.3	1521.6	1263.9	1003.5
40°	4796.6	4320.7	3878.1	3453.9	3024.1	2606.9	2233.6	1897.2	1601.0	1317.7	1046.5
37.5°	5166.5	4649.7	4163.3	3687.3	3224.7	2786.1	2375.7	2003.9	1676.3	1378.1	1087.3
35°	5557.9	4980.3	4427.0	3922.2	3431.1	2956.0	2508.8	2111.5	1763.1	1437.1	1125.7
32.5°	5936.2	5303.5	4710.2	4153.9	3628.3	3116.2	2645.8	2225.4	1846.6	1494.3	1161.6
30°	6307.9	5627.9	4981.4	4373.0	3819.3	3284.2	2783.0	2331.9	1926.3	1549.4	1197.6
27.5°	6650.6	5928.3	5241.4	4599.4	4007.0	3443.6	2912.7	2430.6	2002.0	1606.2	1239.4
25°	6969.8	6217.4	5497.7	4817.3	4181.2	3594.6	3032.1	2522.1	2079.0	1665.5	1278.2
22.5°	7269.3	6485.9	5730.1	5018.0	4342.5	3733.3	3148.5	2619.3	2151.9	1720.0	1313.7
20°	7541.6	6727.6	5938.1	5200.0	4499.5	3865.4	3260.6	2706.6	2217.1	1769.5	1345.7
17.5°	7786.8	6948.5	6136.7	5370.0	4645.6	3982.7	3360.1	2783.5	2274.3	1813.6	1373.8
15°	8014.4	7149.3	6312.3	5518.5	4772.2	4084.9	3446.7	2849.8	2323.3	1851.9	1400.7
12.5°	8210.1	7321.6	6461.2	5644.6	4878.8	4171.4	3520.0	2905.4	2364.0	1886.6	1425.9
10°	8371.2	7463.9	6582.8	5747.8	4965.0	4241.9	3579.5	2952.2	2402.2	1916.5	1445.3
7.5°	8496.6	7575.4	6676.6	5827.3	5033.4	4300.7	3630.1	2992.6	2433.0	1939.5	1458.9
5°	8591.6	7662.5	6758.1	5894.0	5096.3	4348.3	3667.0	3021.6	2455.3	1955.3	1466.7
2.5°	8676.1	7727.8	6822.1	5937.2	5139.0	4379.2	3689.2	3039.0	2468.8	1963.7	1468.5
0°	8723.7	7759.4	6857.5	5955.7	5161.0	4393.1	3696.6	3044.8	2473.4	1964.4	1464.4
-2.5°	8676.1	7727.8	6822.1	5937.2	5139.0	4379.2	3689.2	3039.0	2468.8	1963.7	1468.5
-5°	8591.6	7662.5	6758.1	5894.0	5096.3	4348.3	3667.0	3021.6	2455.3	1955.3	1466.7
-7.5°	8496.6	7575.4	6676.6	5827.3	5033.4	4300.7	3630.1	2992.6	2433.0	1939.5	1458.9
-10°	8371.2	7463.9	6582.8	5747.8	4965.0	4241.9	3579.5	2952.2	2402.2	1916.5	1445.3
-12.5°	8210.1	7321.6	6461.2	5644.6	4878.8	4171.4	3520.0	2905.4	2364.0	1886.6	1425.9
-15°	8014.4	7149.3	6312.3	5518.5	4772.2	4084.9	3446.7	2849.8	2323.3	1851.9	1400.7
-17.5°	7786.8	6948.5	6136.7	5370.0	4645.6	3982.7	3360.1	2783.5	2274.3	1813.6	1373.8
-20°	7541.6	6727.6	5938.1	5200.0	4499.5	3865.4	3260.6	2706.6	2217.1	1769.5	1345.7



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CATALOG NUMBER: GFLD-SA5E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7269.3	6485.9	5730.1	5018.0	4342.5	3733.3	3148.5	2619.3	2151.9	1720.0	1313.7
-25°	6969.8	6217.4	5497.7	4817.3	4181.2	3594.6	3032.1	2522.1	2079.0	1665.5	1278.2
-27.5°	6650.6	5928.3	5241.4	4599.4	4007.0	3443.6	2912.7	2430.6	2002.0	1606.2	1239.4
-30°	6307.9	5627.9	4981.4	4373.0	3819.3	3284.2	2783.0	2331.9	1926.3	1549.4	1197.6
-32.5°	5936.2	5303.5	4710.2	4153.9	3628.3	3116.2	2645.8	2225.4	1846.6	1494.3	1161.6
-35°	5557.9	4980.3	4427.0	3922.2	3431.1	2956.0	2508.8	2111.5	1763.1	1437.1	1125.7
-37.5°	5166.5	4649.7	4163.3	3687.3	3224.7	2786.1	2375.7	2003.9	1676.3	1378.1	1087.3
-40°	4796.6	4320.7	3878.1	3453.9	3024.1	2606.9	2233.6	1897.2	1601.0	1317.7	1046.5
-42.5°	4416.2	3999.8	3600.5	3209.5	2819.4	2441.0	2085.7	1783.3	1521.6	1263.9	1003.5
-45°	4058.6	3679.9	3322.5	2971.1	2609.8	2266.5	1952.3	1666.5	1436.8	1212.1	958.1
-47.5°	3700.7	3376.8	3054.0	2729.0	2409.6	2091.0	1811.4	1567.3	1348.2	1157.9	908.7
-50°	3374.1	3083.5	2793.5	2496.0	2198.2	1928.5	1672.3	1463.6	1269.9	1088.3	855.1
-52.5°	3060.4	2807.0	2536.2	2260.9	2004.8	1758.6	1553.2	1357.8	1189.0	1011.5	797.5
-55°	2760.5	2529.8	2277.6	2039.2	1810.4	1613.7	1429.8	1265.5	1105.6	930.5	736.8
-57.5°	2461.0	2246.8	2033.5	1822.1	1635.5	1470.2	1317.6	1170.8	1015.0	847.7	678.4
-60°	2165.3	1983.1	1793.3	1626.0	1470.7	1332.9	1211.6	1072.0	921.3	763.5	610.9
-62.5°	1884.6	1724.5	1581.7	1438.5	1311.8	1202.9	1102.7	967.9	825.8	678.0	538.4
-65°	1617.5	1492.0	1371.5	1259.1	1157.4	1067.8	984.5	862.2	723.8	589.3	465.4
-67.5°	1358.2	1264.2	1169.3	1078.4	1003.4	931.8	860.7	744.1	617.1	497.5	395.4
-70°	1123.3	1043.8	972.9	912.1	852.7	791.8	718.2	618.0	507.2	412.4	323.6
-72.5°	891.9	838.9	791.5	746.9	697.6	639.5	572.5	491.2	405.9	325.5	250.0
-75°	663.5	641.5	617.9	586.2	540.7	488.6	436.1	373.0	302.8	236.7	188.7
-77.5°	481.3	467.6	450.8	431.7	396.3	354.7	306.9	252.7	207.0	170.0	131.6
-80°	318.4	314.9	307.4	292.9	259.5	221.8	193.4	164.0	135.3	105.3	74.1
-82.5°	176.3	178.1	177.9	172.7	152.4	131.0	108.6	85.4	63.3	40.2	32.1
-85°	84.4	82.4	77.9	70.6	55.6	40.0	34.9	30.1	27.3	24.4	21.4
-87.5°	25.6	25.8	25.8	25.6	22.8	20.1	17.5	15.1	13.7	12.2	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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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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CATALOG NUMBER: GFLD-SA5E-740-U-VWR-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°	9.2	7.7	6.2	4.7	3.1	1.4	0.0
85°	18.5	15.4	12.4	9.3	6.2	2.7	0.0
82.5°	27.6	23.1	18.5	13.9	9.3	4.1	0.0
80°	41.6	30.8	24.7	18.5	12.3	5.4	0.0
77.5°	90.7	48.2	30.8	23.1	15.3	6.7	0.0
75°	138.5	83.5	40.1	27.6	18.3	8.0	0.0
72.5°	184.9	117.7	63.9	32.1	21.2	9.3	0.0
70°	231.3	150.7	86.9	38.5	24.0	10.6	0.0
67.5°	286.9	182.3	109.1	52.7	26.8	11.8	0.0
65°	340.1	217.7	130.2	66.4	29.4	13.0	0.0
62.5°	390.6	256.5	150.2	79.5	32.0	14.2	0.0
60°	438.2	293.2	169.1	91.8	34.5	15.3	0.0
57.5°	488.3	327.6	194.2	103.5	41.4	16.4	0.0
55°	535.8	359.7	218.1	114.3	48.2	17.5	0.0
52.5°	579.8	390.1	240.3	124.3	54.7	18.5	0.0
50°	620.1	422.4	260.8	133.4	61.0	19.4	0.0
47.5°	657.8	451.9	279.5	143.0	66.9	20.3	0.0
45°	699.8	478.5	296.3	155.4	72.6	21.2	0.0
42.5°	738.3	502.1	311.2	166.6	78.0	22.0	0.0
40°	773.2	522.8	326.1	178.1	83.0	22.7	0.0
37.5°	804.5	540.4	340.9	189.4	87.7	23.4	0.0
35°	832.0	560.8	353.6	200.0	92.1	24.0	0.0
32.5°	857.6	581.3	364.3	209.8	96.2	24.6	0.0
30°	884.1	598.7	372.8	218.7	99.8	25.1	0.0
27.5°	907.9	613.1	385.5	226.8	103.2	25.6	0.0
25°	928.9	624.6	397.5	234.0	106.2	26.0	0.0
22.5°	946.8	636.1	408.1	240.4	108.8	26.3	0.0
20°	961.7	651.9	417.2	245.9	111.0	26.6	0.0
17.5°	980.2	664.8	424.8	250.5	112.9	26.8	0.0
15°	999.5	674.9	430.9	254.3	114.5	27.0	0.0
12.5°	1015.2	682.1	435.6	257.2	115.6	27.1	0.0
10°	1027.1	686.6	438.9	259.3	116.4	27.2	0.0
7.5°	1035.3	688.5	440.7	260.4	116.9	27.1	0.0
5°	1039.5	687.7	441.0	260.8	117.0	27.1	0.0
2.5°	1039.7	684.3	440.0	260.3	116.7	27.0	0.0
0°	1035.8	678.6	437.5	258.9	116.1	26.8	0.0
-2.5°	1039.7	684.3	440.0	260.3	116.7	27.0	0.0
-5°	1039.5	687.7	441.0	260.8	117.0	27.1	0.0
-7.5°	1035.3	688.5	440.7	260.4	116.9	27.1	0.0
-10°	1027.1	686.6	438.9	259.3	116.4	27.2	0.0
-12.5°	1015.2	682.1	435.6	257.2	115.6	27.1	0.0
-15°	999.5	674.9	430.9	254.3	114.5	27.0	0.0
-17.5°	980.2	664.8	424.8	250.5	112.9	26.8	0.0
-20°	961.7	651.9	417.2	245.9	111.0	26.6	0.0

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REPORT NUMBER: P627771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	946.8	636.1	408.1	240.4	108.8	26.3	0.0
-25°	928.9	624.6	397.5	234.0	106.2	26.0	0.0
-27.5°	907.9	613.1	385.5	226.8	103.2	25.6	0.0
-30°	884.1	598.7	372.8	218.7	99.8	25.1	0.0
-32.5°	857.6	581.3	364.3	209.8	96.2	24.6	0.0
-35°	832.0	560.8	353.6	200.0	92.1	24.0	0.0
-37.5°	804.5	540.4	340.9	189.4	87.7	23.4	0.0
-40°	773.2	522.8	326.1	178.1	83.0	22.7	0.0
-42.5°	738.3	502.1	311.2	166.6	78.0	22.0	0.0
-45°	699.8	478.5	296.3	155.4	72.6	21.2	0.0
-47.5°	657.8	451.9	279.5	143.0	66.9	20.3	0.0
-50°	620.1	422.4	260.8	133.4	61.0	19.4	0.0
-52.5°	579.8	390.1	240.3	124.3	54.7	18.5	0.0
-55°	535.8	359.7	218.1	114.3	48.2	17.5	0.0
-57.5°	488.3	327.6	194.2	103.5	41.4	16.4	0.0
-60°	438.2	293.2	169.1	91.8	34.5	15.3	0.0
-62.5°	390.6	256.5	150.2	79.5	32.0	14.2	0.0
-65°	340.1	217.7	130.2	66.4	29.4	13.0	0.0
-67.5°	286.9	182.3	109.1	52.7	26.8	11.8	0.0
-70°	231.3	150.7	86.9	38.5	24.0	10.6	0.0
-72.5°	184.9	117.7	63.9	32.1	21.2	9.3	0.0
-75°	138.5	83.5	40.1	27.6	18.3	8.0	0.0
-77.5°	90.7	48.2	30.8	23.1	15.3	6.7	0.0
-80°	41.6	30.8	24.7	18.5	12.3	5.4	0.0
-82.5°	27.6	23.1	18.5	13.9	9.3	4.1	0.0
-85°	18.5	15.4	12.4	9.3	6.2	2.7	0.0
-87.5°	9.2	7.7	6.2	4.7	3.1	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)