

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645297 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1A-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645297 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1A-727-U-LAM-VSR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

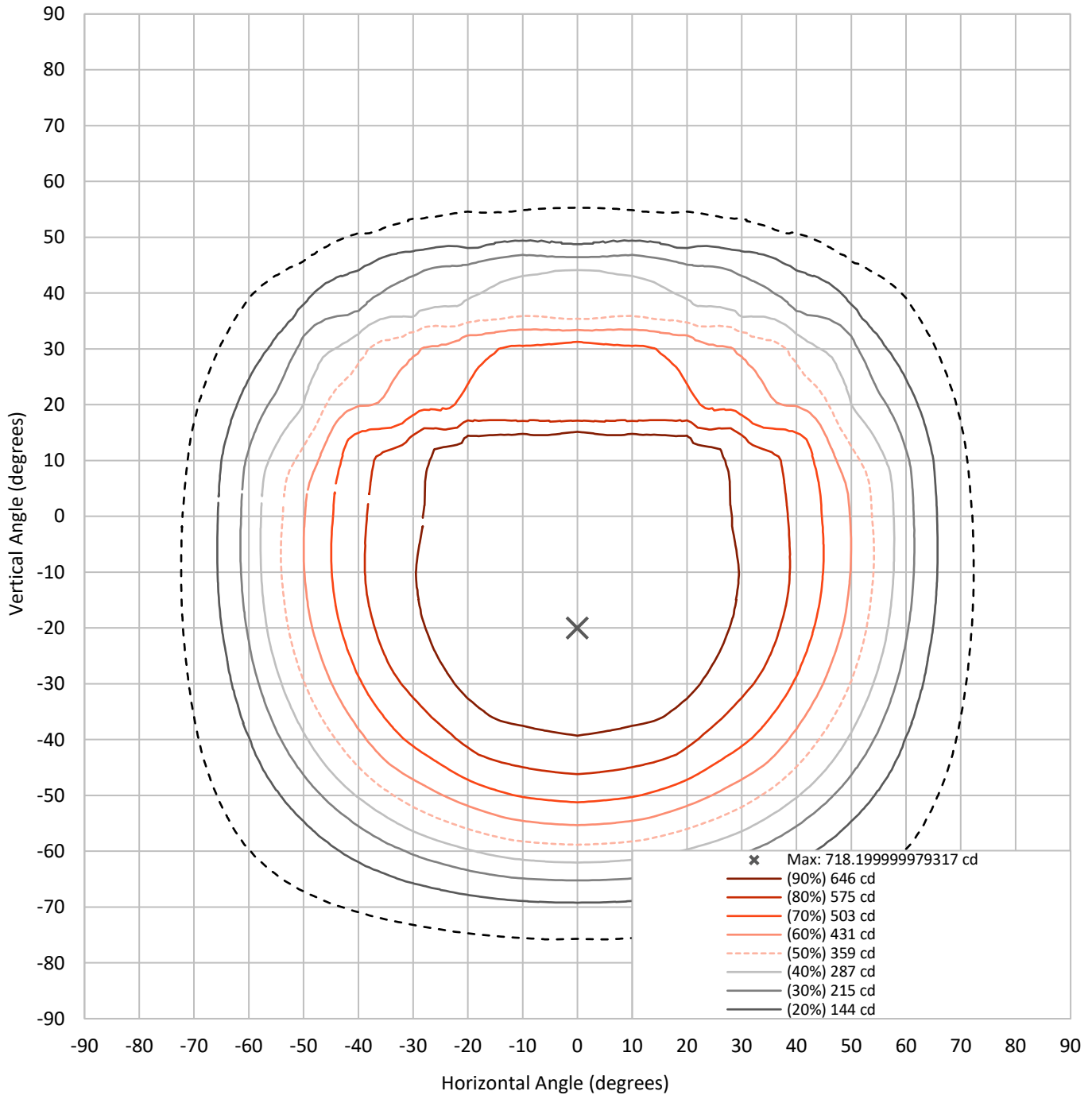
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	1684.1 lumens	Max Intensity:	718.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	93.0 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	1317.6 lumens	Field Lumens:	1650.6 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	18.1		
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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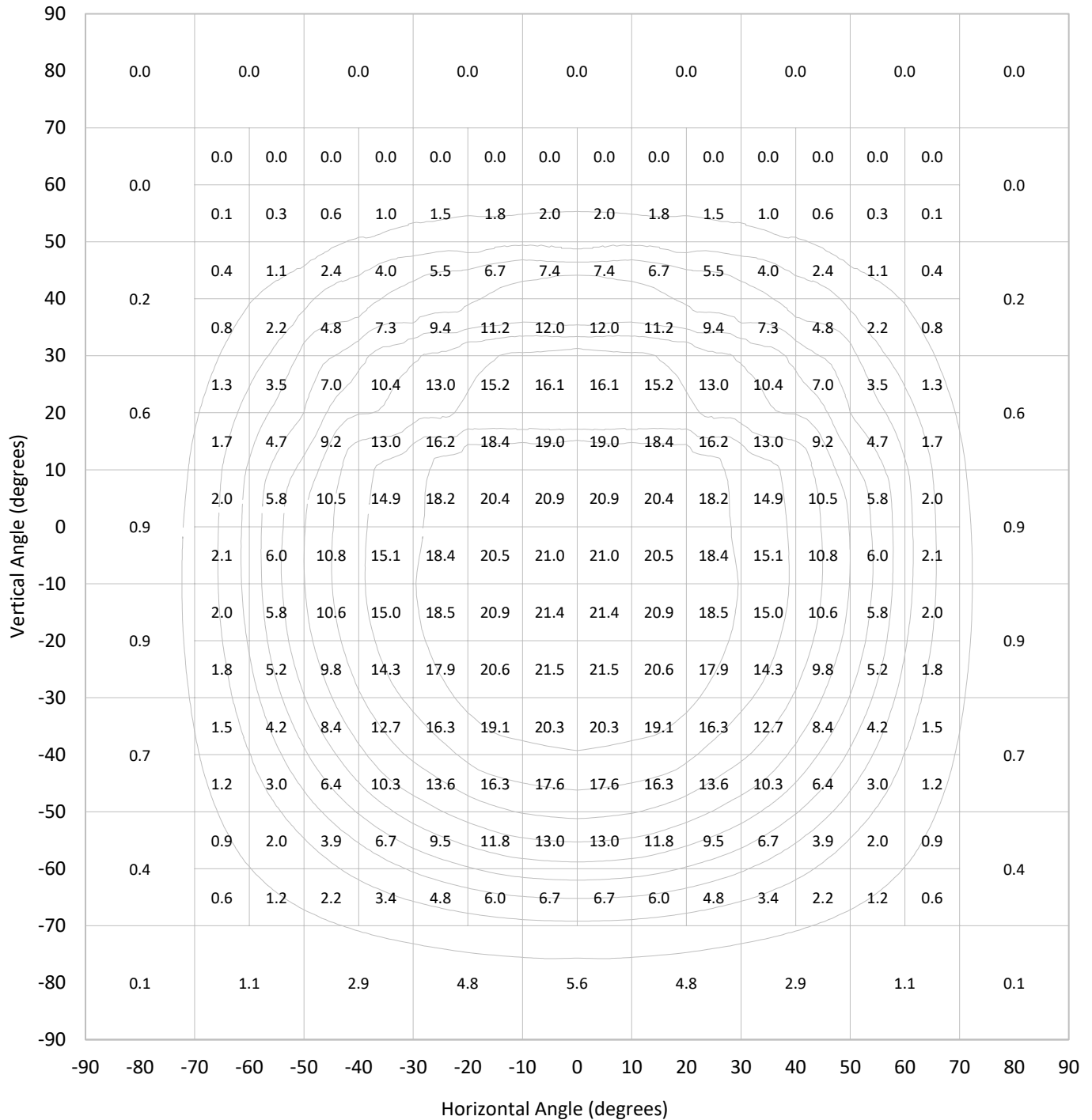
Iso-Candela Plot





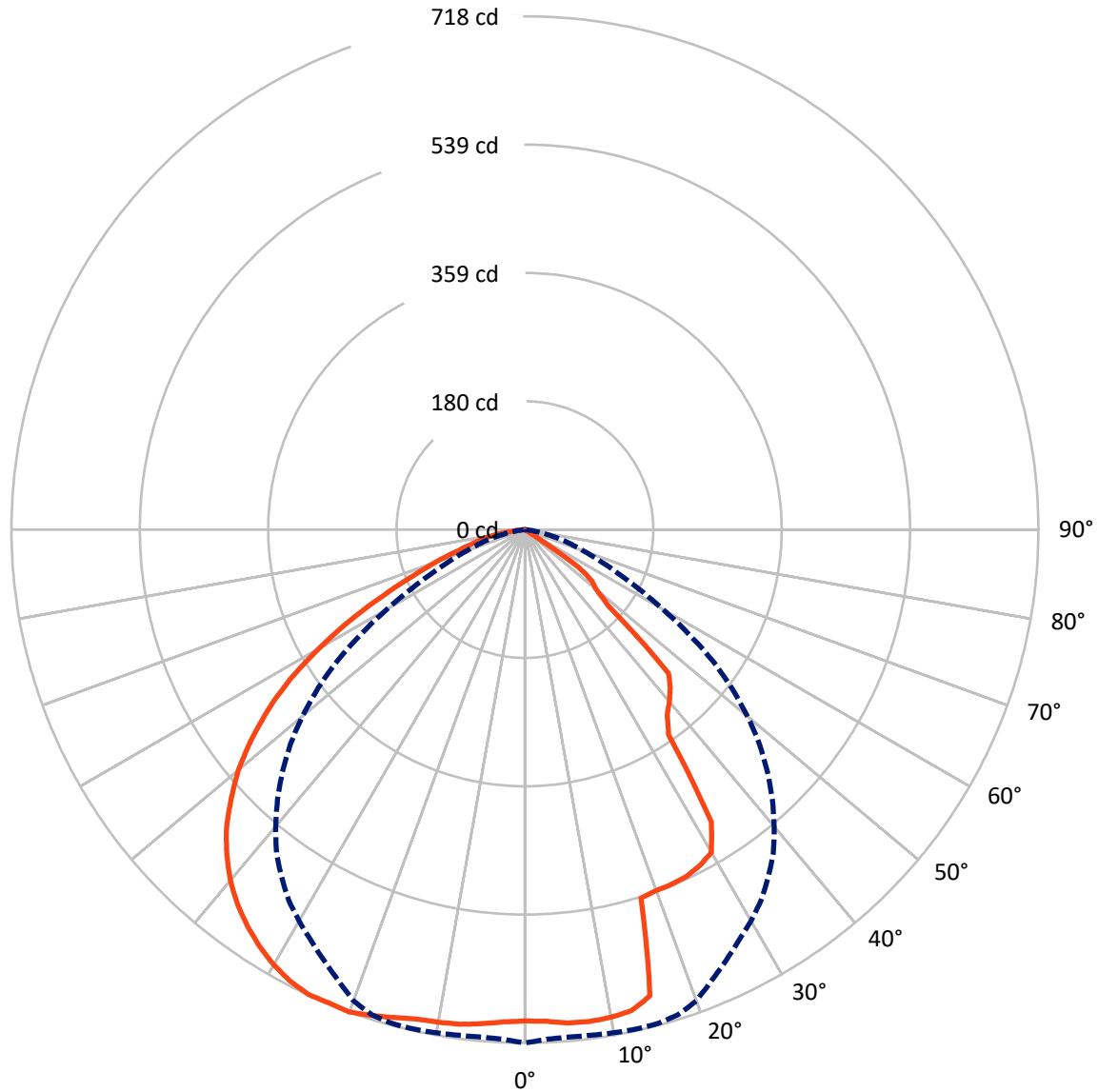
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Lumen Table



REPORT NUMBER: P645297 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot

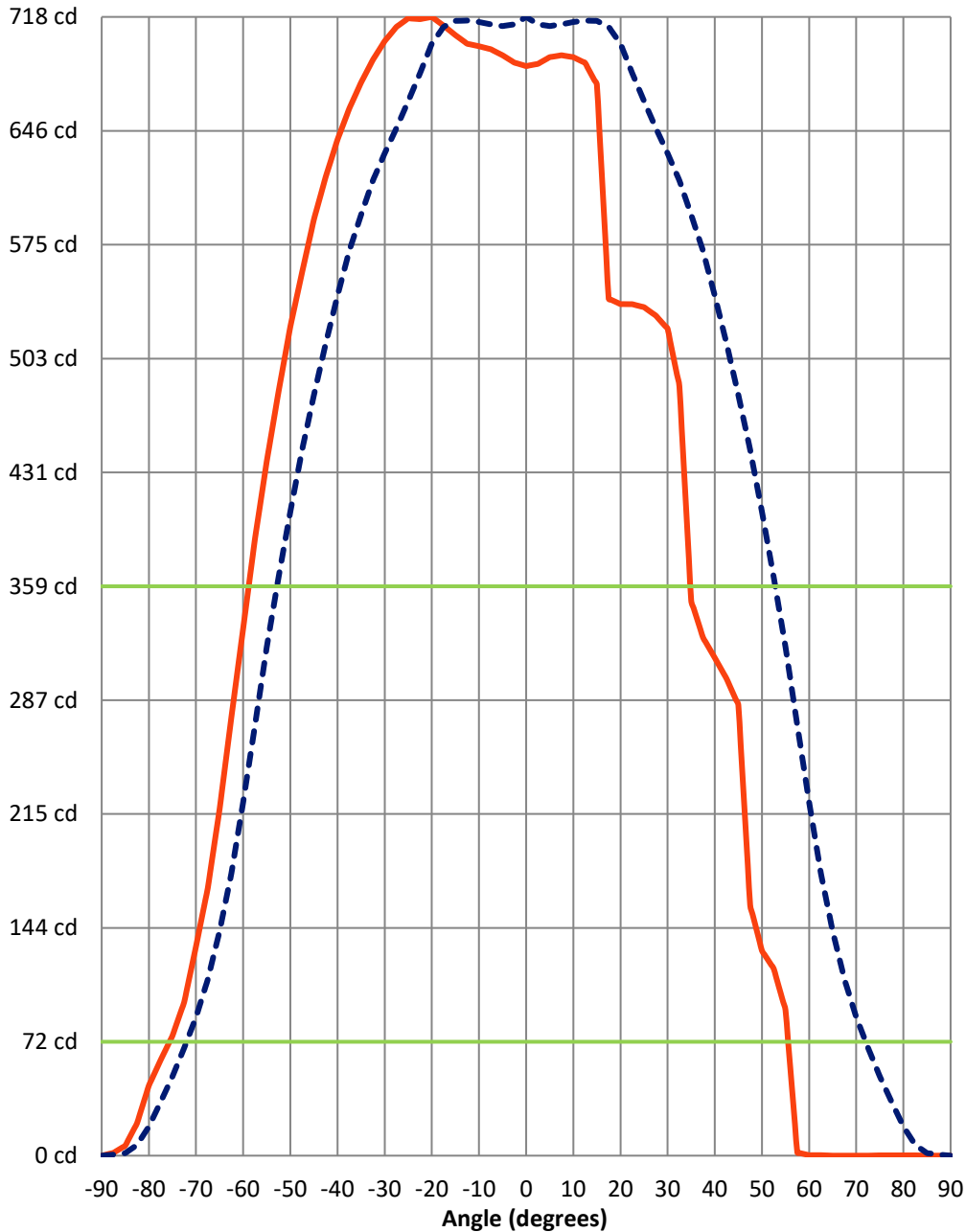


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 1317.6
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 1650.6
 Efficiency: 98.0%

Spill:
 Lumens: 33.5
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-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	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.2
80°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2
77.5°	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2
75°	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2
72.5°	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
70°	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3
67.5°	0.0	0.2	0.2	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.4
65°	0.0	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.5	0.6
62.5°	0.0	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.6	0.8	1.3
60°	0.0	0.2	0.3	0.4	0.4	0.6	0.6	0.6	0.7	2.1	2.3
57.5°	0.0	0.2	0.3	0.4	0.5	0.7	1.0	0.8	2.1	3.6	4.2
55°	0.0	0.2	0.4	0.4	0.7	0.9	1.7	1.3	3.8	5.6	6.8
52.5°	0.0	0.3	0.4	0.4	0.8	1.1	2.4	3.3	5.8	8.7	9.9
50°	0.0	0.3	0.4	0.5	0.9	1.9	3.2	5.7	8.3	12.3	15.4
47.5°	0.0	0.3	0.4	0.5	1.1	2.8	4.3	8.1	11.9	16.2	21.1
45°	0.0	0.3	0.5	0.6	1.2	3.7	6.5	10.6	16.0	21.1	26.6
42.5°	0.0	0.3	0.5	0.7	1.4	4.6	8.8	13.8	20.2	25.9	32.9
40°	0.0	0.3	0.5	0.9	1.9	5.6	11.1	17.5	24.5	30.6	39.7
37.5°	0.0	0.3	0.5	1.1	2.7	6.7	13.5	21.2	29.0	36.2	46.8
35°	0.0	0.4	0.5	1.3	3.5	8.3	15.9	24.9	33.6	43.1	55.2
32.5°	0.0	0.4	0.6	1.5	4.3	10.2	18.5	28.5	38.2	50.1	65.4
30°	0.0	0.4	0.6	1.7	5.1	12.1	21.5	32.2	42.9	57.1	75.1
27.5°	0.0	0.4	0.6	2.0	6.2	14.0	24.4	36.1	48.0	64.0	84.5
25°	0.0	0.4	0.6	2.3	7.2	15.8	27.2	39.9	53.8	71.6	93.4
22.5°	0.0	0.4	0.6	2.6	8.3	17.6	30.0	43.6	59.5	79.2	102.4
20°	0.0	0.4	0.7	2.9	9.3	19.6	32.7	47.3	65.0	86.4	111.2
17.5°	0.0	0.4	0.7	3.2	10.3	21.6	35.3	50.9	70.4	93.2	119.8
15°	0.0	0.5	0.7	3.5	11.3	23.4	37.9	54.2	75.5	99.4	128.0
12.5°	0.0	0.5	0.7	3.8	12.3	25.2	40.2	57.1	79.6	105.3	135.8
10°	0.0	0.5	0.7	4.0	13.2	26.9	42.4	59.8	82.7	108.7	142.1
7.5°	0.0	0.5	0.8	4.3	14.1	28.5	44.5	62.3	85.3	111.5	145.8
5°	0.0	0.5	0.8	4.6	14.9	29.9	46.3	64.5	87.5	113.6	148.8
2.5°	0.0	0.5	0.8	4.9	15.6	31.2	47.9	66.5	89.2	115.3	151.1
0°	0.0	0.5	0.8	5.1	16.3	32.4	49.4	68.2	90.6	116.5	152.7
-2.5°	0.0	0.5	0.9	5.4	16.9	33.1	50.1	69.2	91.1	118.0	153.7
-5°	0.0	0.6	1.0	5.7	17.4	33.7	50.6	69.9	91.3	119.0	154.1
-7.5°	0.0	0.6	1.1	6.0	17.9	34.1	51.0	70.4	91.2	119.4	153.7
-10°	0.0	0.6	1.3	6.2	18.2	34.4	51.1	70.6	90.8	119.2	152.8
-12.5°	0.0	0.6	1.4	6.4	18.4	34.5	51.1	70.5	90.1	118.2	151.1
-15°	0.0	0.6	1.5	6.6	18.5	34.4	50.9	70.0	89.4	116.4	148.7
-17.5°	0.0	0.6	1.5	6.7	18.5	34.2	50.5	69.2	88.5	114.0	145.5
-20°	0.0	0.7	1.6	6.8	18.4	33.9	49.9	68.0	87.3	111.2	141.6

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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	0.7	1.7	6.8	18.1	33.3	49.1	66.6	85.7	108.0	136.9
-25°	0.0	0.7	1.8	6.7	17.7	32.5	48.1	64.9	83.7	104.4	131.6
-27.5°	0.0	0.7	1.8	6.7	17.2	31.5	46.8	63.0	81.3	100.9	126.8
-30°	0.0	0.7	1.9	6.5	16.6	30.4	45.4	60.9	78.8	97.9	121.7
-32.5°	0.0	0.7	1.9	6.3	15.8	29.1	43.8	58.9	76.0	94.5	116.3
-35°	0.0	0.7	1.9	6.1	15.0	27.7	42.1	56.8	73.0	90.6	110.6
-37.5°	0.0	0.7	1.9	5.8	14.0	26.3	40.2	54.5	69.9	86.3	104.9
-40°	0.0	0.7	1.9	5.4	13.0	25.1	38.2	52.0	66.5	82.2	99.3
-42.5°	0.0	0.7	1.9	5.0	12.3	23.7	36.1	49.3	63.2	77.8	93.2
-45°	0.0	0.7	1.9	4.6	11.8	22.2	33.8	46.4	59.8	73.2	86.9
-47.5°	0.0	0.6	1.9	4.2	11.1	20.7	31.4	43.6	56.2	68.4	81.5
-50°	0.0	0.6	1.8	4.0	10.4	19.1	29.4	40.7	52.2	63.9	75.8
-52.5°	0.0	0.6	1.8	3.9	9.6	17.4	27.4	37.6	48.4	59.3	70.0
-55°	0.0	0.6	1.7	3.8	8.7	16.1	25.3	34.5	44.6	54.6	64.8
-57.5°	0.0	0.5	1.6	3.6	7.8	14.8	23.1	32.0	40.7	50.1	59.5
-60°	0.0	0.5	1.5	3.4	6.7	13.3	20.9	29.3	36.7	45.5	54.2
-62.5°	0.0	0.5	1.4	3.2	6.3	11.8	18.9	26.3	33.1	40.8	49.1
-65°	0.0	0.4	1.3	2.9	5.7	10.1	16.7	23.2	29.2	36.2	43.8
-67.5°	0.0	0.4	1.2	2.6	5.1	8.7	14.4	20.1	25.2	31.2	38.1
-70°	0.0	0.4	1.1	2.3	4.4	7.7	12.0	17.0	21.5	26.1	32.0
-72.5°	0.0	0.3	1.0	2.0	3.7	6.5	10.1	13.8	17.8	21.9	26.0
-75°	0.0	0.3	0.9	1.7	3.0	5.2	8.3	11.1	14.0	17.6	21.2
-77.5°	0.0	0.2	0.7	1.5	2.5	3.9	6.3	8.6	10.9	13.4	16.3
-80°	0.0	0.2	0.6	1.2	2.0	3.0	4.3	6.0	7.8	9.7	11.8
-82.5°	0.0	0.1	0.4	0.9	1.5	2.3	3.2	3.8	4.7	6.0	7.5
-85°	0.0	0.1	0.3	0.6	1.0	1.5	2.1	2.6	3.0	3.5	4.0
-87.5°	0.0	0.0	0.1	0.3	0.5	0.8	1.1	1.3	1.5	1.8	2.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-VSR-XX

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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
65°	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2
62.5°	0.4	0.6	0.7	1.3	1.0	0.3	0.5	0.6	0.4	0.4	0.4
60°	1.5	1.0	3.0	4.3	2.7	1.0	1.2	4.0	3.5	0.6	2.2
57.5°	3.2	4.3	8.0	8.1	5.6	3.8	11.2	13.0	9.8	5.7	8.8
55°	6.9	10.7	13.2	12.2	13.3	20.2	24.0	21.6	18.2	27.9	35.7
52.5°	13.6	17.4	18.2	20.9	29.9	34.4	33.0	35.2	45.7	56.7	59.1
50°	20.0	23.1	25.6	36.9	44.0	44.4	47.7	58.0	72.0	78.7	77.1
47.5°	26.2	29.5	40.8	51.7	54.8	59.2	67.4	87.4	102.1	102.4	100.7
45°	32.8	41.4	55.8	62.9	68.1	76.5	96.3	123.8	125.3	129.2	153.9
42.5°	39.9	54.9	67.5	74.9	83.2	98.9	125.3	143.4	149.6	167.1	186.9
40°	51.3	68.0	78.9	88.4	99.1	121.9	150.9	167.8	172.9	188.1	203.0
37.5°	62.9	78.9	91.2	102.6	117.4	148.2	181.7	195.7	198.2	201.0	234.0
35°	74.0	90.0	104.8	119.7	137.8	182.3	211.5	224.7	224.3	243.0	277.5
32.5°	84.5	101.5	118.8	138.8	168.8	214.3	243.6	251.4	263.4	290.6	337.8
30°	94.9	114.2	134.2	158.0	195.9	235.4	268.8	281.5	301.9	333.0	367.4
27.5°	105.6	127.3	151.4	179.3	217.4	253.6	282.2	312.4	332.3	360.1	384.6
25°	116.3	141.1	168.4	198.0	232.7	266.5	296.0	330.9	352.2	374.7	397.5
22.5°	127.5	155.2	186.0	212.8	245.6	277.4	312.5	350.4	378.1	392.4	407.8
20°	139.2	170.3	203.2	232.9	258.4	287.5	329.1	375.2	411.0	427.1	429.2
17.5°	150.8	185.0	220.4	252.5	280.0	306.0	346.6	404.8	449.3	464.3	471.0
15°	162.0	199.2	237.5	271.6	301.8	333.5	376.9	436.1	487.0	503.6	514.1
12.5°	172.9	212.6	254.3	290.1	323.6	359.2	404.4	458.6	505.1	537.2	556.4
10°	183.2	225.4	270.6	307.9	345.1	383.0	427.2	475.4	513.3	544.2	571.4
7.5°	188.5	233.7	284.6	324.7	366.1	405.0	445.9	487.3	519.1	549.4	575.8
5°	192.0	237.1	289.0	330.6	377.2	419.7	459.4	495.1	523.0	553.0	578.7
2.5°	194.6	239.3	292.0	333.8	381.5	424.2	463.3	497.6	526.1	555.5	581.9
0°	196.1	240.4	293.5	335.8	384.1	427.2	465.5	498.6	528.2	556.7	585.1
-2.5°	197.0	243.6	294.5	340.9	386.6	429.8	468.7	501.0	531.9	559.0	587.5
-5°	196.9	245.5	294.2	344.3	387.9	430.8	470.3	502.1	534.0	560.8	588.5
-7.5°	195.8	246.0	292.9	345.4	387.9	430.4	469.6	502.6	533.9	562.4	588.6
-10°	193.9	244.3	291.6	342.6	386.4	428.7	467.4	501.5	532.7	562.1	588.1
-12.5°	191.6	240.7	289.1	338.6	383.4	425.4	464.2	498.6	530.3	559.7	586.9
-15°	188.3	235.9	284.9	333.6	378.8	420.7	460.1	493.9	526.7	555.5	583.4
-17.5°	183.7	230.0	279.0	327.6	372.6	414.5	454.7	487.7	520.4	550.1	577.0
-20°	178.0	223.0	271.3	320.7	364.7	406.2	445.1	479.7	512.2	542.4	570.7



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 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	171.1	215.0	262.1	311.5	354.9	395.9	434.4	469.5	503.1	532.3	562.6
-25°	164.2	206.5	251.9	298.7	343.5	384.3	422.9	457.2	491.5	521.9	550.6
-27.5°	157.6	196.6	240.0	284.7	330.6	371.2	409.5	443.7	477.1	510.2	537.9
-30°	150.1	185.2	227.0	269.7	314.4	355.7	394.3	429.9	461.6	494.4	524.0
-32.5°	141.9	173.0	213.3	254.3	296.5	338.7	377.0	412.3	445.3	476.3	507.4
-35°	133.9	163.2	198.7	237.8	277.6	318.9	357.2	392.2	426.4	457.1	486.9
-37.5°	126.7	152.7	183.2	220.6	258.6	297.8	336.6	370.5	403.1	436.9	465.9
-40°	118.9	141.3	169.8	202.8	238.6	275.9	313.1	348.1	378.8	412.2	444.1
-42.5°	110.7	132.0	156.6	184.0	217.8	253.0	288.9	323.2	355.0	386.5	418.2
-45°	103.6	122.2	143.2	168.2	195.7	228.8	262.8	297.0	327.5	357.6	388.8
-47.5°	96.0	112.4	131.7	151.8	175.7	203.3	235.3	266.8	298.1	326.7	354.3
-50°	88.4	103.5	119.4	137.5	157.2	179.6	206.2	235.4	264.0	293.4	320.7
-52.5°	81.8	94.2	108.5	123.6	140.5	159.0	180.3	204.4	230.4	255.2	282.5
-55°	75.0	86.2	97.8	111.0	125.1	140.7	158.2	178.4	198.2	221.3	243.5
-57.5°	68.9	78.2	88.1	99.1	111.3	123.8	139.1	154.8	172.8	190.7	208.3
-60°	63.0	70.7	79.1	88.4	98.2	109.3	120.7	134.2	148.7	162.9	177.9
-62.5°	57.1	63.6	70.4	78.2	86.7	95.1	104.8	115.2	125.9	138.0	149.8
-65°	51.1	56.3	62.1	68.5	75.4	82.5	90.0	97.7	106.7	115.6	124.2
-67.5°	44.7	49.1	53.8	58.8	64.6	70.2	75.9	82.4	89.0	95.6	102.4
-70°	37.6	41.8	45.7	49.7	54.0	58.4	63.2	68.0	72.7	77.6	83.1
-72.5°	30.3	34.2	37.6	40.6	44.1	47.8	51.3	54.7	58.3	62.0	65.7
-75°	24.2	26.8	29.8	32.6	35.4	38.0	40.3	43.1	46.1	48.8	51.1
-77.5°	18.9	21.2	23.3	25.2	27.4	30.0	32.2	34.2	36.1	38.1	40.3
-80°	13.8	15.7	17.6	19.3	20.6	22.0	23.8	25.7	27.5	28.9	30.2
-82.5°	8.9	10.3	11.7	13.1	13.7	14.1	14.5	15.2	16.2	17.3	18.3
-85°	4.5	4.8	5.7	6.6	6.9	7.1	7.3	7.3	7.7	8.0	8.3
-87.5°	2.2	2.4	2.6	2.8	2.7	2.6	2.4	2.2	2.1	2.1	2.0
-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: P645297 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-VSR-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°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
62.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
60°	2.4	1.5	0.8	1.0	0.9	0.6	0.8	0.9	0.9	0.8	0.7
57.5°	13.3	9.9	7.3	17.6	17.6	8.4	10.1	15.9	13.1	4.3	4.0
55°	37.1	44.3	58.4	55.4	56.3	64.8	70.8	62.6	61.4	65.4	75.6
52.5°	66.6	73.5	78.3	82.7	88.1	93.8	99.8	103.5	107.1	110.8	113.1
50°	85.0	94.8	101.5	99.1	113.0	118.6	112.9	118.0	124.3	126.0	126.9
47.5°	125.6	139.9	142.8	152.0	160.2	160.1	153.0	153.5	172.2	188.7	196.8
45°	180.5	181.0	190.0	206.2	217.9	214.2	224.1	246.4	253.9	261.1	267.0
42.5°	201.9	210.7	225.1	239.5	248.2	255.7	263.0	271.3	280.9	288.7	295.0
40°	222.6	229.7	244.5	256.1	263.3	270.3	278.8	287.9	296.7	303.6	308.3
37.5°	254.5	260.0	263.6	274.4	288.0	281.7	297.8	309.3	314.6	321.6	322.2
35°	302.7	299.0	294.3	337.2	339.7	325.2	340.2	358.1	348.7	368.4	378.9
32.5°	345.5	344.9	382.4	404.9	391.9	402.5	437.2	435.7	458.8	469.5	466.4
30°	385.8	399.5	421.1	437.9	440.1	456.9	472.2	485.7	499.7	512.2	513.1
27.5°	406.2	424.1	438.8	448.5	459.3	473.4	487.4	502.6	514.5	522.3	524.2
25°	418.6	436.9	448.0	458.4	470.4	482.6	498.2	514.8	524.3	529.1	530.7
22.5°	429.5	446.0	457.9	466.4	479.3	492.3	506.9	520.9	531.2	533.3	534.1
20°	440.0	455.8	475.8	488.2	487.6	502.3	516.4	527.5	536.1	536.1	536.3
17.5°	470.4	476.0	512.2	539.7	526.1	518.9	557.6	558.3	560.6	556.0	546.2
15°	515.3	525.6	570.1	599.9	590.5	590.0	645.9	632.0	644.0	640.8	654.3
12.5°	562.9	575.1	608.4	637.6	651.6	655.0	673.7	691.2	694.8	693.3	690.7
10°	595.4	612.7	626.0	643.8	657.9	672.3	683.1	695.6	699.8	697.4	694.0
7.5°	599.6	616.7	632.4	648.0	661.5	673.0	684.2	694.4	698.6	697.3	695.0
5°	602.3	617.8	633.0	648.9	661.7	672.4	683.5	693.9	696.4	694.7	692.5
2.5°	603.9	618.3	633.0	648.8	660.4	670.6	681.9	692.9	692.9	692.2	690.9
0°	604.7	619.2	636.2	650.4	663.5	673.1	684.3	695.1	694.3	692.3	690.0
-2.5°	606.5	621.1	638.4	650.2	664.9	673.8	685.4	694.7	694.3	693.3	692.2
-5°	608.0	624.4	640.7	653.1	667.8	679.4	690.9	698.1	698.5	697.2	695.3
-7.5°	608.9	627.1	642.7	655.1	669.4	682.9	694.5	702.1	702.3	700.5	698.2
-10°	608.6	627.8	643.8	656.7	671.3	684.6	696.8	706.5	706.1	704.5	702.5
-12.5°	607.5	626.6	643.1	656.0	672.6	686.3	700.0	709.6	710.1	708.9	706.7
-15°	604.9	624.7	640.7	654.9	671.1	687.1	701.2	711.8	713.7	712.6	710.9
-17.5°	599.9	620.9	637.8	653.0	668.7	685.7	701.7	713.3	715.9	715.5	714.1
-20°	593.4	615.0	632.1	648.1	665.1	682.7	701.3	711.9	715.7	715.9	715.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645297 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1A-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	586.0	607.1	625.3	641.0	659.5	677.3	694.2	706.6	712.9	714.1	714.2
-25°	577.2	598.9	617.0	633.7	650.8	669.2	686.3	700.1	706.5	709.6	710.6
-27.5°	564.7	587.2	605.0	622.6	640.1	659.0	677.0	692.1	697.2	701.4	703.1
-30°	550.1	572.3	590.4	606.6	626.6	645.9	664.4	677.5	685.4	690.2	692.8
-32.5°	533.3	555.7	574.7	591.6	610.6	629.9	647.4	661.2	672.0	677.5	680.4
-35°	515.1	537.9	557.9	575.6	593.5	612.0	630.0	644.5	656.8	661.6	665.1
-37.5°	493.1	518.4	538.8	557.0	574.0	591.4	610.2	626.8	638.7	643.3	647.0
-40°	470.6	495.0	515.6	535.1	551.8	570.7	588.9	606.3	616.7	622.0	626.2
-42.5°	446.8	468.8	488.4	507.4	526.0	545.5	563.6	581.7	590.6	597.1	602.3
-45°	419.3	439.8	458.8	476.6	495.9	515.0	533.1	549.1	559.8	568.2	574.8
-47.5°	382.6	407.6	426.8	443.6	462.7	481.2	498.8	513.8	525.5	535.4	543.0
-50°	345.4	369.4	391.0	410.0	427.7	444.8	461.5	476.2	488.6	499.3	507.0
-52.5°	308.8	331.3	352.7	372.3	389.3	405.4	420.7	435.5	448.6	460.0	467.5
-55°	267.4	290.7	311.9	330.1	347.2	363.1	378.1	392.2	405.1	416.7	423.9
-57.5°	228.6	249.0	268.7	285.6	301.6	316.8	331.1	344.5	356.9	367.9	374.8
-60°	192.9	207.8	224.7	240.3	254.5	267.5	280.8	293.3	304.7	314.4	320.8
-62.5°	161.3	173.7	185.9	197.8	209.3	220.9	232.1	242.5	252.0	259.9	265.6
-65°	133.2	143.1	152.0	160.4	168.4	177.6	186.1	194.0	201.4	207.5	211.8
-67.5°	109.7	116.7	122.8	128.6	134.9	141.4	147.4	152.7	157.2	160.8	163.6
-70°	88.5	93.6	98.2	102.8	107.4	111.6	115.6	119.5	123.2	126.2	128.4
-72.5°	69.3	72.8	75.9	79.5	82.8	86.0	88.7	91.0	92.7	94.4	95.9
-75°	52.9	55.5	59.0	62.0	64.5	66.7	68.7	70.5	72.0	73.4	74.7
-77.5°	42.5	44.8	47.0	49.2	51.3	52.9	54.3	55.8	57.2	58.4	59.5
-80°	31.5	33.2	34.9	36.7	38.4	39.3	40.0	40.6	41.2	41.9	42.6
-82.5°	19.3	20.2	21.2	22.2	23.2	23.4	23.5	23.4	23.3	23.0	22.6
-85°	8.6	8.6	8.6	8.5	8.3	8.0	7.6	7.1	6.6	6.5	6.4
-87.5°	1.9	1.8	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.7	1.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645297 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-VSR-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.1	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.1	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2
65°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
60°	0.6	0.4	0.3	0.3	0.3	0.4	0.6	0.7	0.8	0.9	0.9
57.5°	3.4	2.5	2.2	2.0	2.2	2.5	3.4	4.0	4.3	13.1	15.9
55°	82.8	87.1	90.2	91.7	90.2	87.1	82.8	75.6	65.4	61.4	62.6
52.5°	115.1	116.9	118.0	117.9	118.0	116.9	115.1	113.1	110.8	107.1	103.5
50°	128.3	129.2	129.5	129.3	129.5	129.2	128.3	126.9	126.0	124.3	118.0
47.5°	189.4	173.0	161.0	158.1	161.0	173.0	189.4	196.8	188.7	172.2	153.5
45°	269.8	276.0	282.2	284.1	282.2	276.0	269.8	267.0	261.1	253.9	246.4
42.5°	297.6	299.6	300.8	300.8	300.8	299.6	297.6	295.0	288.7	280.9	271.3
40°	310.9	312.8	313.9	314.0	313.9	312.8	310.9	308.3	303.6	296.7	287.9
37.5°	322.9	324.6	325.6	326.8	325.6	324.6	322.9	322.2	321.6	314.6	309.3
35°	377.5	365.2	347.4	350.1	347.4	365.2	377.5	378.9	368.4	348.7	358.1
32.5°	471.2	476.4	479.6	485.1	479.6	476.4	471.2	466.4	469.5	458.8	435.7
30°	514.4	516.2	518.7	521.5	518.7	516.2	514.4	513.1	512.2	499.7	485.7
27.5°	525.2	527.0	528.6	529.8	528.6	527.0	525.2	524.2	522.3	514.5	502.6
25°	530.9	532.0	533.7	535.1	533.7	532.0	530.9	530.7	529.1	524.3	514.8
22.5°	533.7	533.8	535.1	537.0	535.1	533.8	533.7	534.1	533.3	531.2	520.9
20°	535.6	534.6	536.0	537.1	536.0	534.6	535.6	536.3	536.1	536.1	527.5
17.5°	560.1	546.1	540.4	540.5	540.4	546.1	560.1	546.2	556.0	560.6	558.3
15°	639.2	644.5	664.6	675.4	664.6	644.5	639.2	654.3	640.8	644.0	632.0
12.5°	690.2	688.4	686.0	689.2	686.0	688.4	690.2	690.7	693.3	694.8	691.2
10°	692.6	692.4	688.1	692.8	688.1	692.4	692.6	694.0	697.4	699.8	695.6
7.5°	691.1	691.3	689.5	694.0	689.5	691.3	691.1	695.0	697.3	698.6	694.4
5°	692.1	689.0	690.1	692.8	690.1	689.0	692.1	692.5	694.7	696.4	693.9
2.5°	689.4	689.1	686.8	688.6	686.8	689.1	689.4	690.9	692.2	692.9	692.9
0°	687.4	685.7	685.7	687.2	685.7	685.7	687.4	690.0	692.3	694.3	695.1
-2.5°	691.0	690.6	690.5	689.4	690.5	690.6	691.0	692.2	693.3	694.3	694.7
-5°	694.0	693.1	690.6	694.0	690.6	693.1	694.0	695.3	697.2	698.5	698.1
-7.5°	697.2	694.9	692.5	697.8	692.5	694.9	697.2	698.2	700.5	702.3	702.1
-10°	700.2	696.8	694.5	699.7	694.5	696.8	700.2	702.5	704.5	706.1	706.5
-12.5°	704.0	700.1	698.5	701.3	698.5	700.1	704.0	706.7	708.9	710.1	709.6
-15°	708.1	705.4	705.0	706.7	705.0	705.4	708.1	710.9	712.6	713.7	711.8
-17.5°	711.8	709.9	710.8	712.7	710.8	709.9	711.8	714.1	715.5	715.9	713.3
-20°	713.5	712.4	713.5	718.2	713.5	712.4	713.5	715.0	715.9	715.7	711.9

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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P645297 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1A-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	713.3	713.4	715.3	716.8	715.3	713.4	713.3	714.2	714.1	712.9	706.6
-25°	710.6	712.0	714.2	717.3	714.2	712.0	710.6	710.6	709.6	706.5	700.1
-27.5°	704.1	706.4	708.7	711.9	708.7	706.4	704.1	703.1	701.4	697.2	692.1
-30°	694.6	697.4	699.4	702.9	699.4	697.4	694.6	692.8	690.2	685.4	677.5
-32.5°	683.0	686.2	688.6	691.1	688.6	686.2	683.0	680.4	677.5	672.0	661.2
-35°	668.6	672.0	674.5	676.8	674.5	672.0	668.6	665.1	661.6	656.8	644.5
-37.5°	651.2	654.9	657.8	660.4	657.8	654.9	651.2	647.0	643.3	638.7	626.8
-40°	631.0	634.8	637.9	640.8	637.9	634.8	631.0	626.2	622.0	616.7	606.3
-42.5°	607.4	611.2	614.4	617.3	614.4	611.2	607.4	602.3	597.1	590.6	581.7
-45°	580.1	584.0	587.4	590.5	587.4	584.0	580.1	574.8	568.2	559.8	549.1
-47.5°	548.6	552.9	555.7	557.2	555.7	552.9	548.6	543.0	535.4	525.5	513.8
-50°	512.6	516.9	520.3	522.9	520.3	516.9	512.6	507.0	499.3	488.6	476.2
-52.5°	473.0	477.0	480.0	481.8	480.0	477.0	473.0	467.5	460.0	448.6	435.5
-55°	429.6	433.8	436.6	437.9	436.6	433.8	429.6	423.9	416.7	405.1	392.2
-57.5°	380.3	384.4	387.3	389.0	387.3	384.4	380.3	374.8	367.9	356.9	344.5
-60°	325.9	329.5	331.7	332.6	331.7	329.5	325.9	320.8	314.4	304.7	293.3
-62.5°	270.1	273.6	275.7	276.5	275.7	273.6	270.1	265.6	259.9	252.0	242.5
-65°	215.0	217.1	218.3	218.5	218.3	217.1	215.0	211.8	207.5	201.4	194.0
-67.5°	165.9	167.5	168.5	168.8	168.5	167.5	165.9	163.6	160.8	157.2	152.7
-70°	130.1	131.3	131.9	132.0	131.9	131.3	130.1	128.4	126.2	123.2	119.5
-72.5°	97.0	97.8	97.5	96.9	97.5	97.8	97.0	95.9	94.4	92.7	91.0
-75°	75.7	76.6	76.2	75.6	76.2	76.6	75.7	74.7	73.4	72.0	70.5
-77.5°	60.4	61.2	60.9	60.3	60.9	61.2	60.4	59.5	58.4	57.2	55.8
-80°	43.2	43.7	44.0	44.2	44.0	43.7	43.2	42.6	41.9	41.2	40.6
-82.5°	22.1	21.4	21.0	20.5	21.0	21.4	22.1	22.6	23.0	23.3	23.4
-85°	6.2	6.1	6.2	6.3	6.2	6.1	6.2	6.4	6.5	6.6	7.1
-87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.6	1.6
-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: P645297 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-VSR-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°	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
62.5°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6
60°	0.8	0.6	0.9	1.0	0.8	1.5	2.4	2.2	0.6	3.5	4.0
57.5°	10.1	8.4	17.6	17.6	7.3	9.9	13.3	8.8	5.7	9.8	13.0
55°	70.8	64.8	56.3	55.4	58.4	44.3	37.1	35.7	27.9	18.2	21.6
52.5°	99.8	93.8	88.1	82.7	78.3	73.5	66.6	59.1	56.7	45.7	35.2
50°	112.9	118.6	113.0	99.1	101.5	94.8	85.0	77.1	78.7	72.0	58.0
47.5°	153.0	160.1	160.2	152.0	142.8	139.9	125.6	100.7	102.4	102.1	87.4
45°	224.1	214.2	217.9	206.2	190.0	181.0	180.5	153.9	129.2	125.3	123.8
42.5°	263.0	255.7	248.2	239.5	225.1	210.7	201.9	186.9	167.1	149.6	143.4
40°	278.8	270.3	263.3	256.1	244.5	229.7	222.6	203.0	188.1	172.9	167.8
37.5°	297.8	281.7	288.0	274.4	263.6	260.0	254.5	234.0	201.0	198.2	195.7
35°	340.2	325.2	339.7	337.2	294.3	299.0	302.7	277.5	243.0	224.3	224.7
32.5°	437.2	402.5	391.9	404.9	382.4	344.9	345.5	337.8	290.6	263.4	251.4
30°	472.2	456.9	440.1	437.9	421.1	399.5	385.8	367.4	333.0	301.9	281.5
27.5°	487.4	473.4	459.3	448.5	438.8	424.1	406.2	384.6	360.1	332.3	312.4
25°	498.2	482.6	470.4	458.4	448.0	436.9	418.6	397.5	374.7	352.2	330.9
22.5°	506.9	492.3	479.3	466.4	457.9	446.0	429.5	407.8	392.4	378.1	350.4
20°	516.4	502.3	487.6	488.2	475.8	455.8	440.0	429.2	427.1	411.0	375.2
17.5°	557.6	518.9	526.1	539.7	512.2	476.0	470.4	471.0	464.3	449.3	404.8
15°	645.9	590.0	590.5	599.9	570.1	525.6	515.3	514.1	503.6	487.0	436.1
12.5°	673.7	655.0	651.6	637.6	608.4	575.1	562.9	556.4	537.2	505.1	458.6
10°	683.1	672.3	657.9	643.8	626.0	612.7	595.4	571.4	544.2	513.3	475.4
7.5°	684.2	673.0	661.5	648.0	632.4	616.7	599.6	575.8	549.4	519.1	487.3
5°	683.5	672.4	661.7	648.9	633.0	617.8	602.3	578.7	553.0	523.0	495.1
2.5°	681.9	670.6	660.4	648.8	633.0	618.3	603.9	581.9	555.5	526.1	497.6
0°	684.3	673.1	663.5	650.4	636.2	619.2	604.7	585.1	556.7	528.2	498.6
-2.5°	685.4	673.8	664.9	650.2	638.4	621.1	606.5	587.5	559.0	531.9	501.0
-5°	690.9	679.4	667.8	653.1	640.7	624.4	608.0	588.5	560.8	534.0	502.1
-7.5°	694.5	682.9	669.4	655.1	642.7	627.1	608.9	588.6	562.4	533.9	502.6
-10°	696.8	684.6	671.3	656.7	643.8	627.8	608.6	588.1	562.1	532.7	501.5
-12.5°	700.0	686.3	672.6	656.0	643.1	626.6	607.5	586.9	559.7	530.3	498.6
-15°	701.2	687.1	671.1	654.9	640.7	624.7	604.9	583.4	555.5	526.7	493.9
-17.5°	701.7	685.7	668.7	653.0	637.8	620.9	599.9	577.0	550.1	520.4	487.7
-20°	701.3	682.7	665.1	648.1	632.1	615.0	593.4	570.7	542.4	512.2	479.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	694.2	677.3	659.5	641.0	625.3	607.1	586.0	562.6	532.3	503.1	469.5
-25°	686.3	669.2	650.8	633.7	617.0	598.9	577.2	550.6	521.9	491.5	457.2
-27.5°	677.0	659.0	640.1	622.6	605.0	587.2	564.7	537.9	510.2	477.1	443.7
-30°	664.4	645.9	626.6	606.6	590.4	572.3	550.1	524.0	494.4	461.6	429.9
-32.5°	647.4	629.9	610.6	591.6	574.7	555.7	533.3	507.4	476.3	445.3	412.3
-35°	630.0	612.0	593.5	575.6	557.9	537.9	515.1	486.9	457.1	426.4	392.2
-37.5°	610.2	591.4	574.0	557.0	538.8	518.4	493.1	465.9	436.9	403.1	370.5
-40°	588.9	570.7	551.8	535.1	515.6	495.0	470.6	444.1	412.2	378.8	348.1
-42.5°	563.6	545.5	526.0	507.4	488.4	468.8	446.8	418.2	386.5	355.0	323.2
-45°	533.1	515.0	495.9	476.6	458.8	439.8	419.3	388.8	357.6	327.5	297.0
-47.5°	498.8	481.2	462.7	443.6	426.8	407.6	382.6	354.3	326.7	298.1	266.8
-50°	461.5	444.8	427.7	410.0	391.0	369.4	345.4	320.7	293.4	264.0	235.4
-52.5°	420.7	405.4	389.3	372.3	352.7	331.3	308.8	282.5	255.2	230.4	204.4
-55°	378.1	363.1	347.2	330.1	311.9	290.7	267.4	243.5	221.3	198.2	178.4
-57.5°	331.1	316.8	301.6	285.6	268.7	249.0	228.6	208.3	190.7	172.8	154.8
-60°	280.8	267.5	254.5	240.3	224.7	207.8	192.9	177.9	162.9	148.7	134.2
-62.5°	232.1	220.9	209.3	197.8	185.9	173.7	161.3	149.8	138.0	125.9	115.2
-65°	186.1	177.6	168.4	160.4	152.0	143.1	133.2	124.2	115.6	106.7	97.7
-67.5°	147.4	141.4	134.9	128.6	122.8	116.7	109.7	102.4	95.6	89.0	82.4
-70°	115.6	111.6	107.4	102.8	98.2	93.6	88.5	83.1	77.6	72.7	68.0
-72.5°	88.7	86.0	82.8	79.5	75.9	72.8	69.3	65.7	62.0	58.3	54.7
-75°	68.7	66.7	64.5	62.0	59.0	55.5	52.9	51.1	48.8	46.1	43.1
-77.5°	54.3	52.9	51.3	49.2	47.0	44.8	42.5	40.3	38.1	36.1	34.2
-80°	40.0	39.3	38.4	36.7	34.9	33.2	31.5	30.2	28.9	27.5	25.7
-82.5°	23.5	23.4	23.2	22.2	21.2	20.2	19.3	18.3	17.3	16.2	15.2
-85°	7.6	8.0	8.3	8.5	8.6	8.6	8.6	8.3	8.0	7.7	7.3
-87.5°	1.6	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.1	2.1	2.2
-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):

	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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
70°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3
67.5°	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3
65°	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.6	0.5	0.4	0.3
62.5°	0.5	0.3	1.0	1.3	0.7	0.6	0.4	1.3	0.8	0.6	0.4
60°	1.2	1.0	2.7	4.3	3.0	1.0	1.5	2.3	2.1	0.7	0.6
57.5°	11.2	3.8	5.6	8.1	8.0	4.3	3.2	4.2	3.6	2.1	0.8
55°	24.0	20.2	13.3	12.2	13.2	10.7	6.9	6.8	5.6	3.8	1.3
52.5°	33.0	34.4	29.9	20.9	18.2	17.4	13.6	9.9	8.7	5.8	3.3
50°	47.7	44.4	44.0	36.9	25.6	23.1	20.0	15.4	12.3	8.3	5.7
47.5°	67.4	59.2	54.8	51.7	40.8	29.5	26.2	21.1	16.2	11.9	8.1
45°	96.3	76.5	68.1	62.9	55.8	41.4	32.8	26.6	21.1	16.0	10.6
42.5°	125.3	98.9	83.2	74.9	67.5	54.9	39.9	32.9	25.9	20.2	13.8
40°	150.9	121.9	99.1	88.4	78.9	68.0	51.3	39.7	30.6	24.5	17.5
37.5°	181.7	148.2	117.4	102.6	91.2	78.9	62.9	46.8	36.2	29.0	21.2
35°	211.5	182.3	137.8	119.7	104.8	90.0	74.0	55.2	43.1	33.6	24.9
32.5°	243.6	214.3	168.8	138.8	118.8	101.5	84.5	65.4	50.1	38.2	28.5
30°	268.8	235.4	195.9	158.0	134.2	114.2	94.9	75.1	57.1	42.9	32.2
27.5°	282.2	253.6	217.4	179.3	151.4	127.3	105.6	84.5	64.0	48.0	36.1
25°	296.0	266.5	232.7	198.0	168.4	141.1	116.3	93.4	71.6	53.8	39.9
22.5°	312.5	277.4	245.6	212.8	186.0	155.2	127.5	102.4	79.2	59.5	43.6
20°	329.1	287.5	258.4	232.9	203.2	170.3	139.2	111.2	86.4	65.0	47.3
17.5°	346.6	306.0	280.0	252.5	220.4	185.0	150.8	119.8	93.2	70.4	50.9
15°	376.9	333.5	301.8	271.6	237.5	199.2	162.0	128.0	99.4	75.5	54.2
12.5°	404.4	359.2	323.6	290.1	254.3	212.6	172.9	135.8	105.3	79.6	57.1
10°	427.2	383.0	345.1	307.9	270.6	225.4	183.2	142.1	108.7	82.7	59.8
7.5°	445.9	405.0	366.1	324.7	284.6	233.7	188.5	145.8	111.5	85.3	62.3
5°	459.4	419.7	377.2	330.6	289.0	237.1	192.0	148.8	113.6	87.5	64.5
2.5°	463.3	424.2	381.5	333.8	292.0	239.3	194.6	151.1	115.3	89.2	66.5
0°	465.5	427.2	384.1	335.8	293.5	240.4	196.1	152.7	116.5	90.6	68.2
-2.5°	468.7	429.8	386.6	340.9	294.5	243.6	197.0	153.7	118.0	91.1	69.2
-5°	470.3	430.8	387.9	344.3	294.2	245.5	196.9	154.1	119.0	91.3	69.9
-7.5°	469.6	430.4	387.9	345.4	292.9	246.0	195.8	153.7	119.4	91.2	70.4
-10°	467.4	428.7	386.4	342.6	291.6	244.3	193.9	152.8	119.2	90.8	70.6
-12.5°	464.2	425.4	383.4	338.6	289.1	240.7	191.6	151.1	118.2	90.1	70.5
-15°	460.1	420.7	378.8	333.6	284.9	235.9	188.3	148.7	116.4	89.4	70.0
-17.5°	454.7	414.5	372.6	327.6	279.0	230.0	183.7	145.5	114.0	88.5	69.2
-20°	445.1	406.2	364.7	320.7	271.3	223.0	178.0	141.6	111.2	87.3	68.0



REPORT NUMBER: P645297 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	434.4	395.9	354.9	311.5	262.1	215.0	171.1	136.9	108.0	85.7	66.6
-25°	422.9	384.3	343.5	298.7	251.9	206.5	164.2	131.6	104.4	83.7	64.9
-27.5°	409.5	371.2	330.6	284.7	240.0	196.6	157.6	126.8	100.9	81.3	63.0
-30°	394.3	355.7	314.4	269.7	227.0	185.2	150.1	121.7	97.9	78.8	60.9
-32.5°	377.0	338.7	296.5	254.3	213.3	173.0	141.9	116.3	94.5	76.0	58.9
-35°	357.2	318.9	277.6	237.8	198.7	163.2	133.9	110.6	90.6	73.0	56.8
-37.5°	336.6	297.8	258.6	220.6	183.2	152.7	126.7	104.9	86.3	69.9	54.5
-40°	313.1	275.9	238.6	202.8	169.8	141.3	118.9	99.3	82.2	66.5	52.0
-42.5°	288.9	253.0	217.8	184.0	156.6	132.0	110.7	93.2	77.8	63.2	49.3
-45°	262.8	228.8	195.7	168.2	143.2	122.2	103.6	86.9	73.2	59.8	46.4
-47.5°	235.3	203.3	175.7	151.8	131.7	112.4	96.0	81.5	68.4	56.2	43.6
-50°	206.2	179.6	157.2	137.5	119.4	103.5	88.4	75.8	63.9	52.2	40.7
-52.5°	180.3	159.0	140.5	123.6	108.5	94.2	81.8	70.0	59.3	48.4	37.6
-55°	158.2	140.7	125.1	111.0	97.8	86.2	75.0	64.8	54.6	44.6	34.5
-57.5°	139.1	123.8	111.3	99.1	88.1	78.2	68.9	59.5	50.1	40.7	32.0
-60°	120.7	109.3	98.2	88.4	79.1	70.7	63.0	54.2	45.5	36.7	29.3
-62.5°	104.8	95.1	86.7	78.2	70.4	63.6	57.1	49.1	40.8	33.1	26.3
-65°	90.0	82.5	75.4	68.5	62.1	56.3	51.1	43.8	36.2	29.2	23.2
-67.5°	75.9	70.2	64.6	58.8	53.8	49.1	44.7	38.1	31.2	25.2	20.1
-70°	63.2	58.4	54.0	49.7	45.7	41.8	37.6	32.0	26.1	21.5	17.0
-72.5°	51.3	47.8	44.1	40.6	37.6	34.2	30.3	26.0	21.9	17.8	13.8
-75°	40.3	38.0	35.4	32.6	29.8	26.8	24.2	21.2	17.6	14.0	11.1
-77.5°	32.2	30.0	27.4	25.2	23.3	21.2	18.9	16.3	13.4	10.9	8.6
-80°	23.8	22.0	20.6	19.3	17.6	15.7	13.8	11.8	9.7	7.8	6.0
-82.5°	14.5	14.1	13.7	13.1	11.7	10.3	8.9	7.5	6.0	4.7	3.8
-85°	7.3	7.1	6.9	6.6	5.7	4.8	4.5	4.0	3.5	3.0	2.6
-87.5°	2.4	2.6	2.7	2.8	2.6	2.4	2.2	2.0	1.8	1.5	1.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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



REPORT NUMBER: P645297 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1A-727-U-LAM-VSR-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°	0.1	0.1	0.1	0.0	0.0	0.0	0.0
85°	0.2	0.1	0.1	0.1	0.1	0.0	0.0
82.5°	0.2	0.2	0.2	0.1	0.1	0.1	0.0
80°	0.3	0.3	0.2	0.2	0.1	0.1	0.0
77.5°	0.3	0.3	0.3	0.2	0.1	0.1	0.0
75°	0.3	0.3	0.3	0.2	0.2	0.1	0.0
72.5°	0.3	0.3	0.3	0.3	0.2	0.1	0.0
70°	0.3	0.3	0.3	0.3	0.2	0.1	0.0
67.5°	0.4	0.4	0.4	0.3	0.2	0.2	0.0
65°	0.4	0.4	0.4	0.3	0.3	0.2	0.0
62.5°	0.5	0.5	0.4	0.4	0.3	0.2	0.0
60°	0.6	0.6	0.4	0.4	0.3	0.2	0.0
57.5°	1.0	0.7	0.5	0.4	0.3	0.2	0.0
55°	1.7	0.9	0.7	0.4	0.4	0.2	0.0
52.5°	2.4	1.1	0.8	0.4	0.4	0.3	0.0
50°	3.2	1.9	0.9	0.5	0.4	0.3	0.0
47.5°	4.3	2.8	1.1	0.5	0.4	0.3	0.0
45°	6.5	3.7	1.2	0.6	0.5	0.3	0.0
42.5°	8.8	4.6	1.4	0.7	0.5	0.3	0.0
40°	11.1	5.6	1.9	0.9	0.5	0.3	0.0
37.5°	13.5	6.7	2.7	1.1	0.5	0.3	0.0
35°	15.9	8.3	3.5	1.3	0.5	0.4	0.0
32.5°	18.5	10.2	4.3	1.5	0.6	0.4	0.0
30°	21.5	12.1	5.1	1.7	0.6	0.4	0.0
27.5°	24.4	14.0	6.2	2.0	0.6	0.4	0.0
25°	27.2	15.8	7.2	2.3	0.6	0.4	0.0
22.5°	30.0	17.6	8.3	2.6	0.6	0.4	0.0
20°	32.7	19.6	9.3	2.9	0.7	0.4	0.0
17.5°	35.3	21.6	10.3	3.2	0.7	0.4	0.0
15°	37.9	23.4	11.3	3.5	0.7	0.5	0.0
12.5°	40.2	25.2	12.3	3.8	0.7	0.5	0.0
10°	42.4	26.9	13.2	4.0	0.7	0.5	0.0
7.5°	44.5	28.5	14.1	4.3	0.8	0.5	0.0
5°	46.3	29.9	14.9	4.6	0.8	0.5	0.0
2.5°	47.9	31.2	15.6	4.9	0.8	0.5	0.0
0°	49.4	32.4	16.3	5.1	0.8	0.5	0.0
-2.5°	50.1	33.1	16.9	5.4	0.9	0.5	0.0
-5°	50.6	33.7	17.4	5.7	1.0	0.6	0.0
-7.5°	51.0	34.1	17.9	6.0	1.1	0.6	0.0
-10°	51.1	34.4	18.2	6.2	1.3	0.6	0.0
-12.5°	51.1	34.5	18.4	6.4	1.4	0.6	0.0
-15°	50.9	34.4	18.5	6.6	1.5	0.6	0.0
-17.5°	50.5	34.2	18.5	6.7	1.5	0.6	0.0
-20°	49.9	33.9	18.4	6.8	1.6	0.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	49.1	33.3	18.1	6.8	1.7	0.7	0.0
-25°	48.1	32.5	17.7	6.7	1.8	0.7	0.0
-27.5°	46.8	31.5	17.2	6.7	1.8	0.7	0.0
-30°	45.4	30.4	16.6	6.5	1.9	0.7	0.0
-32.5°	43.8	29.1	15.8	6.3	1.9	0.7	0.0
-35°	42.1	27.7	15.0	6.1	1.9	0.7	0.0
-37.5°	40.2	26.3	14.0	5.8	1.9	0.7	0.0
-40°	38.2	25.1	13.0	5.4	1.9	0.7	0.0
-42.5°	36.1	23.7	12.3	5.0	1.9	0.7	0.0
-45°	33.8	22.2	11.8	4.6	1.9	0.7	0.0
-47.5°	31.4	20.7	11.1	4.2	1.9	0.6	0.0
-50°	29.4	19.1	10.4	4.0	1.8	0.6	0.0
-52.5°	27.4	17.4	9.6	3.9	1.8	0.6	0.0
-55°	25.3	16.1	8.7	3.8	1.7	0.6	0.0
-57.5°	23.1	14.8	7.8	3.6	1.6	0.5	0.0
-60°	20.9	13.3	6.7	3.4	1.5	0.5	0.0
-62.5°	18.9	11.8	6.3	3.2	1.4	0.5	0.0
-65°	16.7	10.1	5.7	2.9	1.3	0.4	0.0
-67.5°	14.4	8.7	5.1	2.6	1.2	0.4	0.0
-70°	12.0	7.7	4.4	2.3	1.1	0.4	0.0
-72.5°	10.1	6.5	3.7	2.0	1.0	0.3	0.0
-75°	8.3	5.2	3.0	1.7	0.9	0.3	0.0
-77.5°	6.3	3.9	2.5	1.5	0.7	0.2	0.0
-80°	4.3	3.0	2.0	1.2	0.6	0.2	0.0
-82.5°	3.2	2.3	1.5	0.9	0.4	0.1	0.0
-85°	2.1	1.5	1.0	0.6	0.3	0.1	0.0
-87.5°	1.1	0.8	0.5	0.3	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)