

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: LUMARK

Report Number: P622905 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF25-XX-PC-11W-7050**

Issue Date: 10/4/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P622905 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (2022-09-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/4/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LSF25-XX-PC-11W-7050  
Description: Flood light with selectable wattage and CCT  
Light Source: (1) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

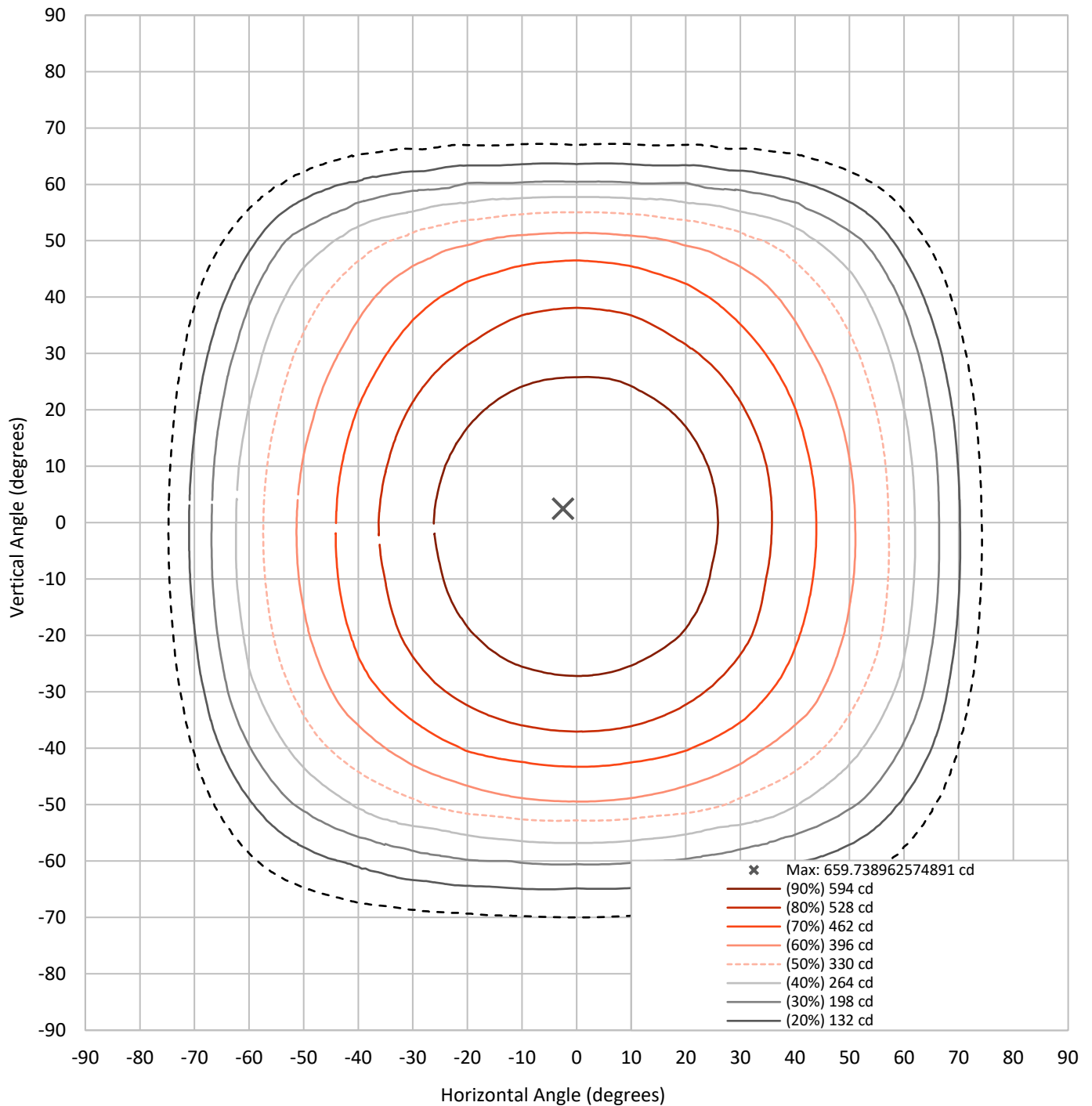
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	1745.5 lumens	Max Intensity:	659.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	158.7 lumens/watt		
Luminous Opening:	Rectangular (W 0.08m x L: 0.16m x H: 0m)		
Beam Angle (50%):	114.6°H x 108.1°V	Field Angle (10%):	148.8°H x 137°V
Beam Lumens:	1422.1 lumens	Field Lumens:	1721.1 lumens
Beam Efficiency:	81.5%	Field Efficiency:	98.6%
Input Watts (W):	11		
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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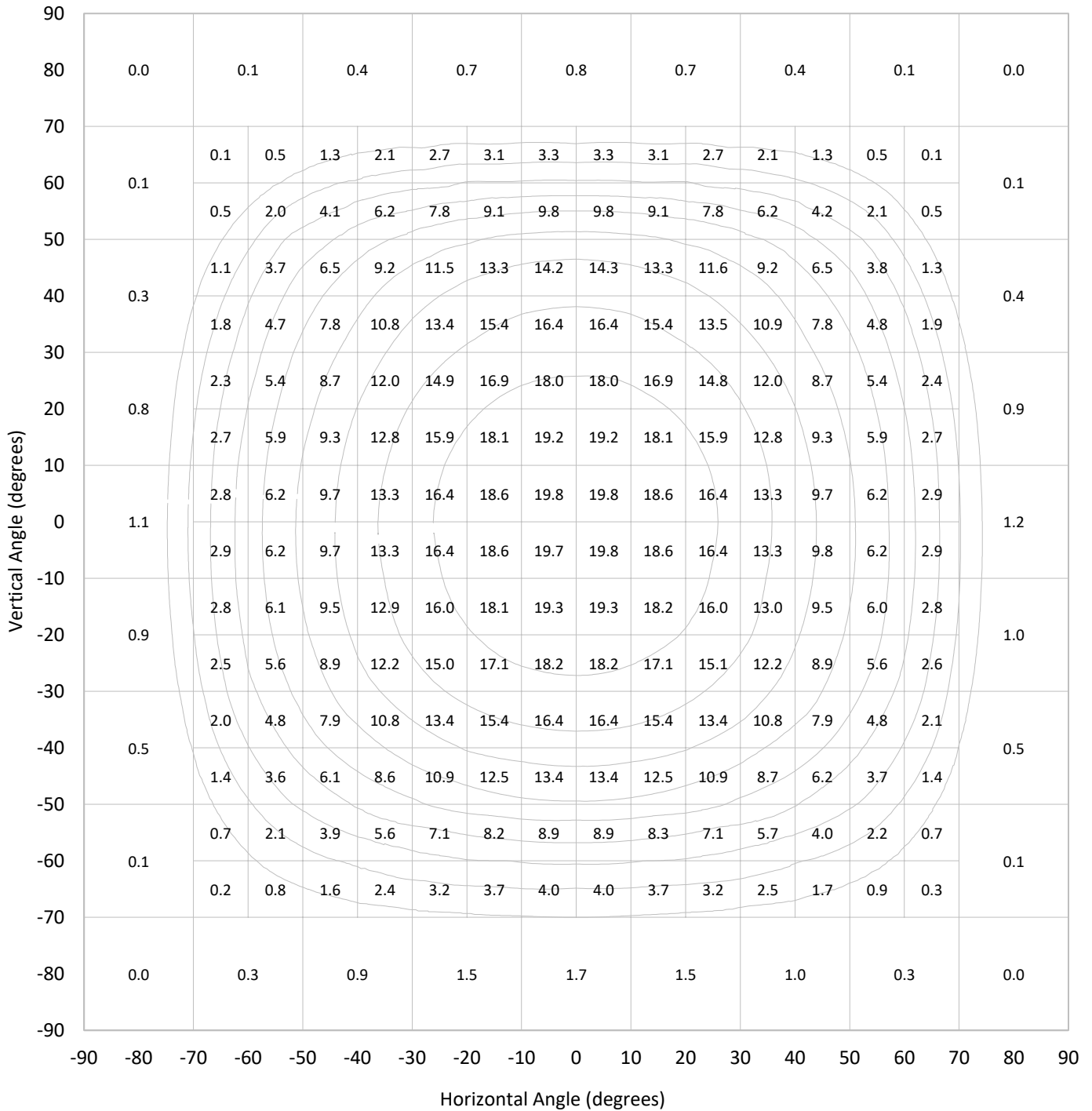
### Iso-Candela Plot





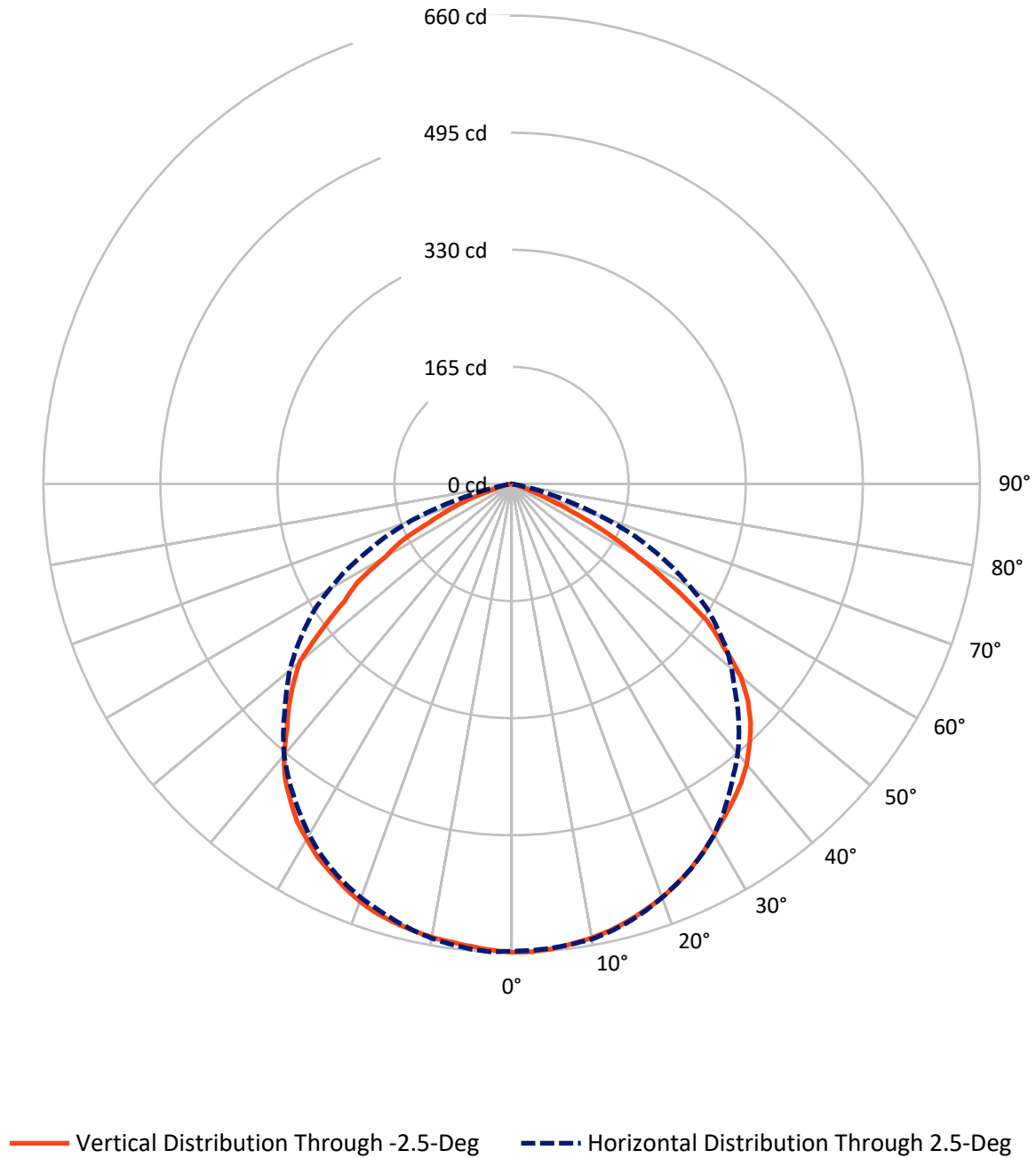
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### Lumen Table



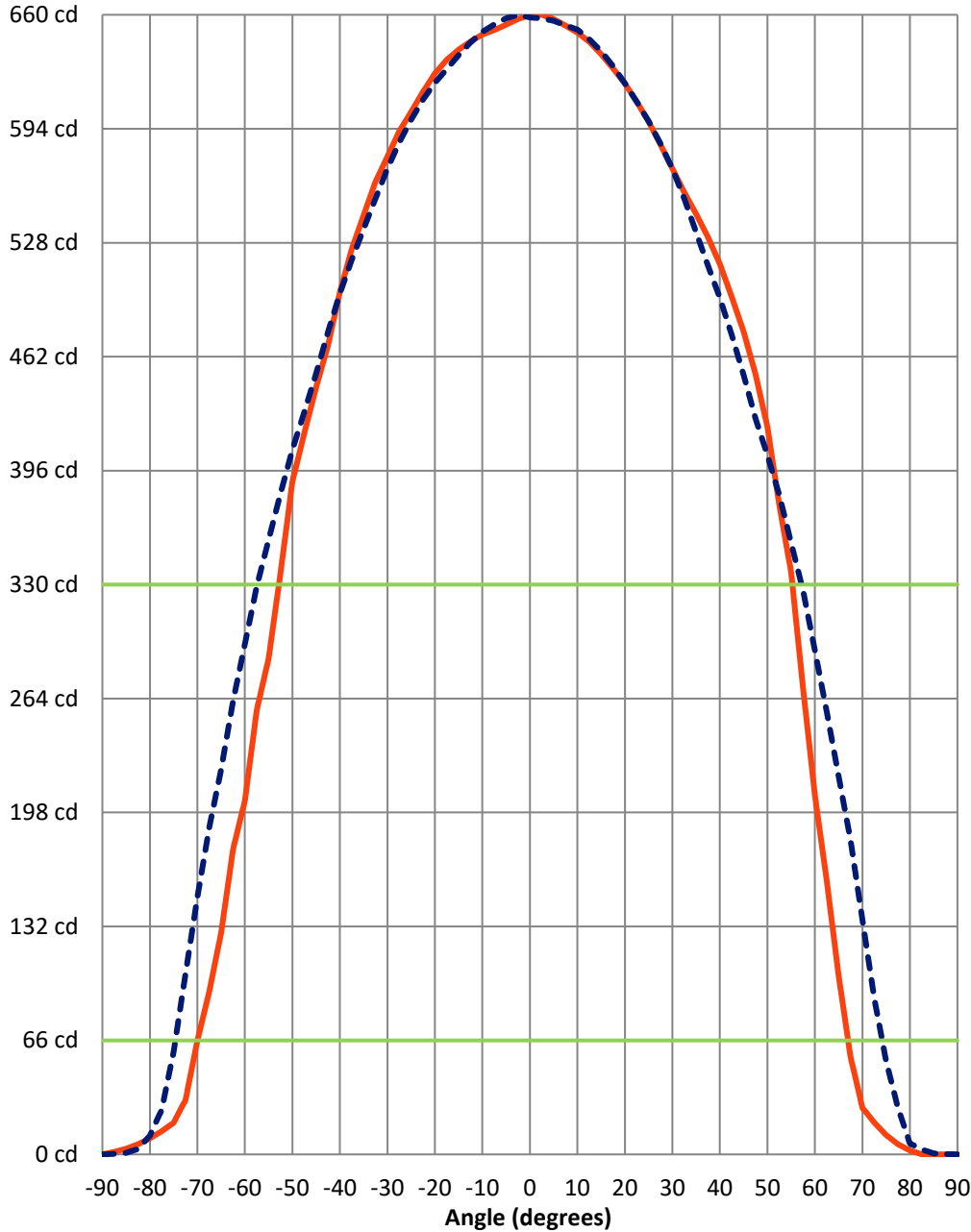
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 114.6°  
 V Angle: 108.1°  
 Lumens: 1422.1  
 Efficiency: 81.5%

**Field:**  
 H Angle: 148.8°  
 V Angle: 137°  
 Lumens: 1721.1  
 Efficiency: 98.6%

**Spill:**  
 Lumens: 24.3  
 Efficiency: 1.4%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through 2.5-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1
82.5°	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
77.5°	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5
75°	0.0	0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.5	0.7	0.9
72.5°	0.0	0.2	0.2	0.3	0.2	0.3	0.4	0.6	0.8	1.2	1.8
70°	0.0	0.2	0.2	0.3	0.3	0.4	0.6	0.9	1.4	2.3	3.3
67.5°	0.0	0.2	0.3	0.3	0.4	0.5	0.9	1.4	2.4	3.6	4.8
65°	0.0	0.2	0.3	0.3	0.4	0.7	1.3	2.2	3.5	5.0	6.6
62.5°	0.0	0.2	0.3	0.3	0.6	1.0	1.8	3.1	4.7	6.6	8.8
60°	0.0	0.2	0.3	0.4	0.7	1.3	2.5	4.2	6.1	8.5	12.8
57.5°	0.0	0.2	0.3	0.4	0.9	1.7	3.3	5.3	7.7	10.6	23.1
55°	0.0	0.2	0.3	0.5	1.1	2.2	4.1	6.6	9.5	19.3	35.3
52.5°	0.0	0.2	0.3	0.6	1.3	2.8	5.0	8.2	11.4	29.9	47.4
50°	0.0	0.3	0.3	0.7	1.6	3.4	6.5	10.0	21.0	40.9	63.5
47.5°	0.0	0.3	0.3	0.8	1.9	4.1	8.0	11.9	30.6	51.7	77.9
45°	0.0	0.3	0.4	0.9	2.2	4.7	9.6	16.8	39.7	66.0	92.1
42.5°	0.0	0.3	0.4	1.1	2.7	5.6	11.4	24.0	48.7	79.0	106.9
40°	0.0	0.3	0.4	1.2	3.1	7.0	13.2	31.0	58.3	91.0	121.7
37.5°	0.0	0.3	0.5	1.3	3.4	8.4	15.1	37.7	69.4	102.3	134.7
35°	0.0	0.3	0.5	1.5	3.8	9.8	18.8	44.5	79.2	112.8	146.4
32.5°	0.0	0.3	0.5	1.7	4.2	11.2	23.2	51.3	87.9	122.6	157.5
30°	0.0	0.3	0.6	1.8	4.6	12.6	27.2	58.2	96.1	132.2	169.1
27.5°	0.0	0.3	0.6	2.0	5.0	14.1	31.5	65.8	103.9	141.4	179.9
25°	0.0	0.3	0.7	2.2	5.5	15.5	35.5	72.9	111.1	149.6	187.0
22.5°	0.0	0.3	0.7	2.3	6.3	16.8	39.2	79.0	117.5	156.9	193.6
20°	0.0	0.3	0.7	2.4	7.1	18.1	42.7	84.1	123.3	163.7	200.2
17.5°	0.0	0.3	0.8	2.6	7.9	19.4	46.4	88.7	128.6	170.2	206.0
15°	0.0	0.3	0.8	2.7	8.6	20.8	49.7	92.7	133.7	175.8	210.8
12.5°	0.0	0.3	0.8	2.8	9.2	22.3	52.5	96.2	138.1	180.6	214.5
10°	0.0	0.3	0.8	2.9	9.8	23.6	55.0	99.2	141.9	183.9	217.5
7.5°	0.0	0.3	0.9	3.0	10.2	24.6	56.9	101.5	144.9	186.3	220.0
5°	0.0	0.3	0.9	3.1	10.6	25.4	58.4	103.3	147.3	188.1	221.8
2.5°	0.0	0.3	0.9	3.1	10.9	26.0	59.5	104.5	148.9	189.3	222.9
0°	0.0	0.3	0.9	3.1	11.1	26.4	60.0	105.1	149.7	189.8	223.3
-2.5°	0.0	0.3	0.9	3.2	11.2	26.6	60.0	105.1	149.8	190.3	223.8
-5°	0.0	0.3	0.9	3.2	11.1	26.7	59.6	104.6	149.2	190.1	223.7
-7.5°	0.0	0.3	0.9	3.1	10.9	26.5	58.6	103.4	147.8	189.3	222.8
-10°	0.0	0.3	0.9	3.1	10.7	26.2	57.2	101.7	145.6	187.9	221.2
-12.5°	0.0	0.3	0.9	3.0	10.3	25.6	55.4	99.4	142.6	185.7	218.9
-15°	0.0	0.3	0.9	2.9	9.8	24.8	53.2	96.5	138.8	182.4	215.8
-17.5°	0.0	0.3	0.9	2.8	9.3	23.9	50.6	93.0	134.2	178.5	212.3
-20°	0.0	0.3	0.9	2.7	8.6	22.9	47.7	88.8	129.5	174.0	208.3



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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	0.3	0.8	2.6	7.8	21.7	44.8	84.2	124.3	168.1	203.7
-25°	0.0	0.3	0.8	2.5	7.0	20.2	41.9	78.6	118.4	161.0	198.1
-27.5°	0.0	0.3	0.8	2.4	6.4	18.5	38.7	72.4	111.8	152.7	191.8
-30°	0.0	0.3	0.7	2.2	5.9	17.0	35.2	65.6	104.6	143.4	184.2
-32.5°	0.0	0.3	0.7	2.1	5.4	15.6	32.3	59.7	96.7	133.7	175.5
-35°	0.0	0.3	0.6	1.9	4.7	14.0	29.1	54.0	88.2	124.2	163.5
-37.5°	0.0	0.3	0.6	1.8	4.1	12.4	25.8	48.3	78.9	114.0	148.9
-40°	0.0	0.3	0.6	1.6	3.8	10.7	22.5	42.5	69.1	103.1	134.2
-42.5°	0.0	0.3	0.5	1.5	3.4	8.9	18.9	36.8	60.8	90.9	120.7
-45°	0.0	0.3	0.5	1.4	3.0	7.3	16.6	31.6	53.5	78.4	106.7
-47.5°	0.0	0.3	0.5	1.2	2.7	6.0	14.2	26.3	45.7	65.8	92.3
-50°	0.0	0.3	0.4	1.1	2.4	4.5	11.8	20.9	37.6	56.5	77.8
-52.5°	0.0	0.3	0.4	1.0	2.1	3.9	9.3	17.3	30.0	46.5	64.2
-55°	0.0	0.3	0.4	0.8	1.8	3.4	7.0	14.3	23.0	36.9	53.3
-57.5°	0.0	0.2	0.4	0.7	1.6	2.9	4.7	11.3	17.8	28.6	41.3
-60°	0.0	0.2	0.4	0.6	1.3	2.4	4.0	8.1	14.1	20.2	32.0
-62.5°	0.0	0.2	0.3	0.6	1.1	2.0	3.3	5.0	10.6	15.8	22.6
-65°	0.0	0.2	0.3	0.5	0.9	1.6	2.7	4.1	7.1	11.9	16.4
-67.5°	0.0	0.2	0.3	0.4	0.7	1.3	2.1	3.3	4.9	8.1	12.1
-70°	0.0	0.2	0.3	0.4	0.6	1.0	1.6	2.6	3.7	5.4	8.3
-72.5°	0.0	0.2	0.3	0.4	0.5	0.8	1.3	1.9	2.8	3.9	5.4
-75°	0.0	0.1	0.3	0.3	0.4	0.6	0.9	1.4	2.1	2.9	3.8
-77.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.7	1.0	1.5	2.1	2.7
-80°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.7	1.1	1.4	1.9
-82.5°	0.0	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.7	0.9	1.2
-85°	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.8
-87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4
-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: LSF25-XX-PC-11W-7050

**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	0.1	0.1
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1
80°	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.8	0.9	1.0	1.1
77.5°	0.5	0.6	0.9	1.2	1.6	1.9	2.3	2.7	3.0	3.3	3.6
75°	1.2	1.8	2.5	3.1	3.6	4.1	4.6	5.4	6.1	6.7	7.3
72.5°	2.7	3.6	4.3	5.0	6.1	7.1	8.3	9.5	10.6	11.6	12.5
70°	4.3	5.3	6.6	8.1	9.6	12.2	14.6	15.8	19.9	23.5	25.6
67.5°	6.1	7.8	9.7	13.4	18.4	23.2	28.6	33.9	37.3	39.9	42.7
65°	8.6	11.7	17.5	25.7	33.2	42.1	47.8	53.5	60.2	67.0	71.0
62.5°	13.3	22.1	32.2	43.0	53.5	61.1	72.0	85.7	92.4	109.0	114.5
60°	24.0	36.1	50.2	62.0	73.6	93.7	108.4	126.0	134.8	139.2	150.8
57.5°	37.2	53.4	67.8	82.9	111.5	129.8	148.8	157.3	168.7	184.3	194.0
55°	52.4	70.4	87.7	122.9	146.0	166.1	178.1	194.4	203.2	230.6	245.8
52.5°	69.5	88.2	121.2	152.7	180.1	194.7	208.8	224.7	249.7	265.1	276.3
50°	84.7	113.8	147.0	180.7	207.0	219.3	237.2	260.9	275.7	295.3	314.1
47.5°	102.6	136.9	170.4	202.1	224.7	243.3	265.6	282.9	304.9	320.7	338.0
45°	123.3	156.5	191.6	217.4	241.2	266.9	286.4	308.0	324.2	341.9	356.7
42.5°	140.4	175.9	206.1	230.8	259.1	285.5	306.7	324.2	342.1	358.4	376.8
40°	155.4	191.0	219.0	246.6	274.8	300.6	321.8	339.2	356.7	375.2	391.8
37.5°	170.4	202.8	230.8	261.0	288.4	313.9	333.5	352.5	370.7	388.0	406.2
35°	183.3	214.1	243.7	273.1	301.4	324.9	345.4	364.1	381.7	400.6	420.6
32.5°	192.0	223.1	255.1	283.9	313.1	335.2	356.0	374.7	392.4	413.2	432.0
30°	202.0	233.2	264.5	295.0	322.6	345.1	366.1	385.1	404.0	423.5	443.1
27.5°	211.4	242.3	272.8	305.1	330.9	353.9	375.4	394.9	414.8	434.3	453.6
25°	218.8	251.6	280.5	313.9	338.7	362.4	384.2	404.2	424.6	445.0	464.1
22.5°	226.1	259.5	290.4	321.3	345.9	370.3	391.9	412.5	433.9	455.0	474.0
20°	233.1	266.5	299.0	328.0	352.3	377.5	398.7	420.1	442.5	463.6	482.4
17.5°	239.4	272.9	306.3	334.4	359.4	384.0	404.4	427.0	450.3	471.2	490.1
15°	245.6	278.6	312.3	340.1	365.7	389.8	410.7	433.3	456.8	477.3	496.8
12.5°	251.1	283.8	317.4	345.0	370.8	395.0	416.5	439.4	462.4	482.7	502.4
10°	255.6	288.1	321.6	348.9	375.1	399.4	421.3	444.3	467.2	488.2	507.7
7.5°	258.5	291.5	324.8	352.0	378.5	403.0	425.2	448.0	471.2	492.6	512.3
5°	260.7	293.9	327.2	354.3	381.0	405.9	427.9	450.6	474.1	496.1	515.7
2.5°	262.2	295.5	328.8	355.8	382.6	407.9	429.7	452.1	476.2	498.4	517.9
0°	262.9	296.1	329.6	356.6	383.4	409.2	430.6	452.6	477.1	499.7	519.0
-2.5°	263.6	296.7	329.8	357.0	383.7	409.3	431.4	453.5	477.3	499.5	518.7
-5°	263.6	296.4	329.1	356.6	383.1	408.5	431.2	453.3	476.5	498.3	517.4
-7.5°	262.8	295.3	327.7	355.4	381.9	406.9	430.2	452.2	474.7	496.1	514.9
-10°	261.3	293.3	325.5	353.2	379.8	404.3	428.1	450.1	472.1	492.9	511.5
-12.5°	258.2	290.3	322.5	350.0	377.0	400.7	425.0	447.2	468.9	489.0	507.6
-15°	254.2	286.7	318.9	346.2	373.6	396.2	420.5	443.4	464.8	484.5	503.1
-17.5°	249.6	282.8	314.6	341.6	368.4	391.3	414.4	437.9	459.6	479.1	497.6
-20°	243.8	278.3	309.1	336.2	362.3	386.5	407.7	431.0	453.3	472.9	491.0



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 CATALOG NUMBER: LSF25-XX-PC-11W-7050

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	236.4	272.9	302.4	330.3	354.2	379.9	400.5	422.9	445.3	466.2	483.8
-25°	228.8	266.7	294.3	322.9	345.7	371.2	393.1	413.5	435.2	457.8	475.3
-27.5°	221.5	259.2	285.0	313.2	336.8	360.7	384.9	404.2	424.5	446.1	465.7
-30°	214.3	246.8	274.9	301.2	327.4	349.1	373.6	394.9	413.1	432.5	451.6
-32.5°	205.9	231.9	263.7	287.4	315.9	337.7	360.4	383.5	401.8	418.2	436.3
-35°	195.0	220.2	250.6	274.5	300.8	326.1	346.1	368.7	387.4	402.1	420.2
-37.5°	182.9	208.5	233.8	261.0	283.4	310.6	332.7	350.6	368.8	385.0	400.3
-40°	168.3	195.6	219.2	245.3	267.2	291.3	316.4	332.8	349.2	365.2	379.8
-42.5°	150.4	180.9	204.8	226.6	250.7	271.0	294.6	314.8	329.2	344.2	358.3
-45°	133.6	163.3	188.8	211.2	231.6	251.5	269.4	292.6	309.6	322.6	335.8
-47.5°	117.9	142.5	170.7	193.0	213.9	229.7	244.6	263.6	285.9	301.5	312.5
-50°	101.8	124.6	147.4	173.2	192.9	209.2	221.9	233.6	252.1	274.2	289.9
-52.5°	85.5	107.1	127.2	148.4	169.6	184.1	200.6	211.0	219.7	234.2	255.8
-55°	70.1	89.2	108.3	125.8	142.7	158.7	171.0	188.0	197.9	203.7	210.5
-57.5°	56.9	72.3	89.0	105.0	118.6	132.2	144.6	153.8	166.5	181.2	187.0
-60°	43.7	57.8	71.0	84.1	96.0	107.5	119.1	128.5	134.0	141.9	156.1
-62.5°	33.0	43.1	55.9	65.3	74.3	84.5	92.4	102.4	112.3	116.7	121.2
-65°	22.7	32.0	39.6	49.0	56.2	62.3	70.2	76.8	81.4	89.1	96.6
-67.5°	15.9	20.5	28.7	32.8	38.9	45.4	49.9	53.8	58.9	65.2	68.0
-70°	11.6	14.5	17.7	21.2	24.8	27.8	32.1	36.9	39.5	41.3	43.3
-72.5°	7.7	10.5	12.5	13.8	15.3	16.7	18.0	19.1	21.7	24.7	26.3
-75°	4.9	6.7	8.4	9.7	10.7	11.5	12.0	12.2	12.5	13.4	14.2
-77.5°	3.5	4.3	5.1	5.9	6.9	7.7	8.4	8.8	9.3	9.8	10.2
-80°	2.4	2.9	3.4	3.9	4.4	4.9	5.3	5.8	6.2	6.6	6.9
-82.5°	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.2	4.4
-85°	1.0	1.1	1.3	1.4	1.6	1.8	1.9	2.1	2.2	2.3	2.4
-87.5°	0.5	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1
-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: P622905 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF25-XX-PC-11W-7050

**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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1
80°	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3
77.5°	4.0	4.3	4.5	4.7	5.0	5.2	5.4	5.5	5.5	5.7	5.8
75°	7.9	8.4	8.7	9.2	9.7	10.0	10.3	10.5	10.6	10.8	11.0
72.5°	14.1	15.2	15.3	15.4	16.0	16.6	17.0	17.3	17.5	17.8	18.1
70°	26.3	25.8	24.7	24.5	25.8	26.6	26.9	26.8	26.8	27.0	27.5
67.5°	44.4	44.3	44.3	45.7	51.5	55.0	54.6	53.2	52.4	54.1	57.3
65°	78.0	88.7	87.8	84.1	93.3	101.2	100.5	99.5	99.1	101.1	103.6
62.5°	115.8	124.5	127.1	127.9	139.8	145.3	147.2	148.5	148.3	149.1	152.5
60°	160.2	169.6	177.4	178.4	178.4	190.8	202.8	204.4	203.2	202.2	205.4
57.5°	209.9	215.0	222.4	229.9	235.6	237.4	246.5	258.9	263.1	261.4	265.1
55°	251.0	258.4	265.8	279.3	296.4	305.0	303.7	304.6	313.8	324.8	328.3
52.5°	291.2	303.4	318.3	327.4	333.2	340.8	352.8	359.8	363.5	365.4	369.0
50°	325.9	337.5	344.8	357.6	371.3	380.0	385.8	395.4	402.8	410.3	414.2
47.5°	350.4	362.4	377.1	386.9	401.4	410.9	417.4	424.1	434.0	440.6	444.2
45°	374.2	386.6	401.3	412.4	422.1	434.4	443.5	449.8	455.3	462.5	468.1
42.5°	391.8	408.4	421.3	433.7	444.6	453.5	463.9	471.1	477.8	482.7	488.2
40°	409.3	427.8	439.3	450.6	462.3	471.6	483.7	489.7	496.1	501.6	507.5
37.5°	425.4	440.9	454.3	465.4	477.6	487.3	499.0	506.5	512.3	518.5	523.8
35°	437.7	453.6	466.3	478.1	490.4	502.0	511.8	519.3	525.5	532.2	538.2
32.5°	449.7	464.6	477.4	490.2	503.0	514.3	522.9	529.9	537.4	544.7	551.2
30°	460.6	475.7	489.7	502.7	515.5	526.2	535.1	542.4	550.3	558.0	564.5
27.5°	471.3	487.0	501.6	515.4	528.1	539.0	547.9	556.2	563.7	571.9	577.9
25°	481.5	497.8	513.1	527.2	540.1	550.8	560.8	570.0	577.9	585.0	590.0
22.5°	491.4	507.9	523.6	538.3	550.8	562.3	573.0	581.9	589.7	596.4	601.2
20°	500.3	517.3	533.3	547.7	561.0	572.7	582.8	592.1	599.7	606.3	611.1
17.5°	508.3	525.5	541.6	556.9	569.6	581.2	592.1	600.6	608.6	614.7	619.8
15°	515.2	532.8	549.3	564.5	577.1	589.4	599.4	608.6	616.2	622.8	627.7
12.5°	521.0	538.8	555.8	570.8	584.0	596.0	605.9	614.7	622.8	629.5	634.5
10°	526.1	544.0	561.2	576.2	589.8	601.1	611.2	619.8	628.0	634.6	640.1
7.5°	530.5	548.3	565.6	580.7	593.5	605.5	615.2	624.0	631.6	638.8	644.3
5°	533.7	551.5	568.7	584.0	596.8	608.6	618.3	626.4	634.0	641.5	647.5
2.5°	535.8	553.4	570.7	585.8	599.0	610.6	620.3	628.3	636.4	643.7	649.9
0°	536.8	554.1	571.4	586.5	600.0	611.6	621.0	629.3	637.8	645.3	651.0
-2.5°	536.3	553.5	570.6	585.9	598.9	610.2	619.3	627.6	636.0	643.6	650.1
-5°	534.8	551.8	568.5	584.1	596.9	608.0	616.7	624.9	633.3	641.2	647.5
-7.5°	532.2	549.0	565.2	581.0	594.5	605.3	614.4	622.5	630.6	638.1	644.6
-10°	528.7	545.5	561.8	577.9	591.6	602.0	611.5	619.7	627.5	635.2	641.4
-12.5°	525.5	542.5	558.9	574.1	587.6	598.6	607.6	616.4	624.2	631.5	637.1
-15°	521.1	538.6	554.8	569.1	582.4	593.7	603.1	612.0	620.1	626.3	632.2
-17.5°	515.5	533.5	549.7	564.8	576.0	587.1	596.7	606.0	613.8	620.3	625.1
-20°	508.3	526.4	543.2	556.3	568.2	578.5	589.2	597.5	605.8	612.9	617.6

Classified

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

Scaled Data Report



REPORT NUMBER: P622905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-11W-7050

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	500.6	517.3	533.6	547.6	558.7	569.5	578.9	588.4	596.5	603.0	607.7
-25°	491.2	506.2	522.3	537.3	549.2	558.6	568.8	577.9	585.5	591.9	596.9
-27.5°	480.1	495.0	509.6	524.4	538.1	548.2	556.9	565.5	573.8	579.9	583.5
-30°	467.1	482.0	496.2	510.3	523.0	534.2	544.3	552.2	559.3	565.3	570.1
-32.5°	452.2	466.1	481.0	494.6	506.4	517.4	527.4	536.6	543.4	549.1	554.5
-35°	436.9	449.6	462.2	476.7	489.7	499.5	508.6	517.1	524.8	530.6	534.8
-37.5°	419.1	434.7	444.3	455.1	468.7	482.0	490.7	497.4	504.7	511.2	516.2
-40°	395.0	413.9	426.6	435.0	443.8	455.1	468.2	475.6	480.2	485.2	490.7
-42.5°	371.4	385.7	401.5	413.7	421.9	429.0	437.8	446.4	453.1	457.5	459.9
-45°	348.4	361.9	374.2	386.6	397.1	404.6	412.9	420.4	426.8	432.3	436.5
-47.5°	323.2	336.3	349.7	361.2	370.4	379.1	387.9	395.4	401.5	406.6	410.8
-50°	295.3	302.8	315.1	330.2	343.1	350.6	356.8	364.4	372.0	378.7	383.0
-52.5°	269.5	274.6	276.6	283.4	295.0	307.7	314.4	317.6	320.3	325.3	331.7
-55°	226.9	243.7	250.9	252.6	252.9	259.6	269.2	275.6	278.9	278.4	281.8
-57.5°	190.3	195.7	207.9	219.4	227.4	229.4	232.5	238.1	244.0	249.3	253.6
-60°	167.0	169.9	171.2	173.5	180.0	189.0	194.6	197.3	197.3	197.5	201.3
-62.5°	127.8	139.4	146.6	149.0	150.6	154.8	160.4	165.9	168.9	170.7	172.9
-65°	102.4	104.9	107.6	110.0	117.9	122.9	123.0	122.6	122.7	126.3	129.7
-67.5°	70.8	73.0	76.8	82.3	85.4	86.0	85.9	86.3	86.3	87.9	90.5
-70°	46.6	51.1	53.5	53.8	54.1	55.8	58.4	61.5	62.5	62.6	63.3
-72.5°	26.6	26.4	25.9	27.4	28.7	29.9	31.3	32.0	31.8	31.9	31.9
-75°	15.3	16.0	15.8	15.9	16.3	16.7	17.2	17.6	17.7	17.9	18.1
-77.5°	10.7	11.0	11.3	11.7	12.0	12.3	12.6	12.8	12.9	13.1	13.3
-80°	7.2	7.6	7.9	8.1	8.4	8.6	8.8	8.9	9.0	9.1	9.2
-82.5°	4.6	4.8	4.9	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.8
-85°	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1	3.2	3.2	3.2
-87.5°	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-11W-7050

**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°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
85°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
82.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
80°	2.3	2.3	2.3	2.2	2.2	2.3	2.2	2.2	2.1	2.0	2.0
77.5°	5.9	5.9	5.9	5.8	5.9	5.9	5.8	5.7	5.6	5.5	5.4
75°	11.2	11.2	11.2	11.1	11.2	11.2	11.2	11.0	10.8	10.6	10.5
72.5°	18.3	18.4	18.4	18.3	18.4	18.4	18.3	18.1	17.8	17.6	17.6
70°	27.6	27.4	27.1	26.5	27.1	27.5	27.7	27.6	27.2	26.9	27.0
67.5°	58.6	58.2	56.5	54.0	56.6	58.3	58.6	57.1	53.7	52.3	53.5
65°	104.7	104.5	103.3	101.4	103.6	105.0	105.3	104.2	101.3	99.1	100.1
62.5°	156.8	158.5	158.2	156.1	158.0	158.3	156.5	152.4	148.9	148.0	148.3
60°	207.3	208.0	207.8	206.9	207.7	207.6	206.6	204.3	200.6	201.5	203.6
57.5°	268.0	269.5	270.0	269.5	269.8	269.1	267.1	263.7	260.2	262.8	259.4
55°	332.0	335.2	336.7	335.9	336.7	335.2	332.3	329.0	326.1	314.7	304.8
52.5°	372.8	375.4	376.0	375.1	375.9	375.2	372.5	368.7	365.2	363.3	360.1
50°	416.6	419.1	421.0	421.8	420.3	417.6	414.3	411.1	407.2	401.1	394.3
47.5°	447.6	449.9	451.6	452.5	451.3	449.2	446.4	442.3	438.1	431.3	422.3
45°	471.4	474.2	476.2	477.1	475.7	473.3	470.4	467.2	461.3	453.9	447.2
42.5°	492.5	494.6	496.3	497.4	496.3	494.3	491.8	487.4	481.4	475.6	468.8
40°	510.3	513.0	515.4	516.9	515.5	513.2	510.5	507.4	500.9	494.8	488.4
37.5°	527.1	529.6	530.9	531.3	530.9	529.7	527.3	523.8	518.1	511.6	504.1
35°	542.2	543.8	544.4	544.1	544.5	543.9	542.4	538.3	532.3	525.7	518.3
32.5°	555.7	556.8	556.9	556.1	557.2	557.4	556.5	551.8	545.3	538.0	530.6
30°	569.5	570.5	570.7	569.8	571.1	571.2	570.4	565.0	558.5	550.7	543.1
27.5°	582.2	583.8	584.5	584.2	584.9	584.6	583.1	578.3	571.6	563.2	556.8
25°	593.8	596.3	597.8	598.3	598.3	597.3	594.9	590.4	584.1	577.3	570.0
22.5°	604.9	607.6	609.4	609.9	610.2	609.2	606.5	601.8	596.1	589.6	582.0
20°	615.2	618.2	620.0	620.7	620.3	619.2	616.3	611.8	606.4	599.9	592.5
17.5°	623.6	626.6	628.7	629.6	629.2	627.6	624.6	620.7	614.8	608.3	601.2
15°	631.6	634.9	636.9	637.5	637.3	635.4	632.1	628.0	622.9	615.9	608.4
12.5°	638.5	642.2	644.1	644.4	643.9	642.0	638.9	634.8	629.3	622.8	614.8
10°	644.3	647.6	649.4	649.3	649.2	647.5	643.9	639.9	635.0	628.5	620.1
7.5°	648.5	652.4	653.5	653.6	652.7	651.2	647.9	644.2	639.8	633.1	625.0
5°	652.6	656.2	657.3	656.3	655.3	654.1	651.7	648.4	643.5	636.8	628.2
2.5°	654.2	657.7	659.7	658.2	657.6	656.2	653.7	651.2	645.6	638.7	630.0
0°	655.1	658.3	659.6	659.1	657.8	656.4	654.2	650.3	645.4	639.0	630.7
-2.5°	653.6	656.8	657.3	656.3	655.5	654.3	653.0	649.9	644.3	637.2	628.2
-5°	651.6	653.7	654.0	652.8	652.3	652.1	650.6	647.4	642.3	634.6	624.6
-7.5°	648.8	651.4	650.9	649.9	649.8	649.3	648.4	645.2	639.5	631.4	622.0
-10°	645.4	647.8	648.3	647.2	647.8	646.8	645.5	641.6	635.4	627.3	617.9
-12.5°	640.7	643.1	644.3	644.5	644.7	643.7	641.2	637.0	631.3	623.4	615.1
-15°	635.7	638.5	639.6	639.8	640.0	639.0	636.3	631.9	626.0	619.5	611.2
-17.5°	629.3	632.6	633.7	634.0	633.7	632.5	629.5	625.7	619.9	613.3	605.4
-20°	621.6	624.7	625.8	625.9	625.6	624.4	621.6	617.9	612.1	605.1	598.3



REPORT NUMBER: P622905 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF25-XX-PC-11W-7050

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	611.5	613.7	615.2	615.5	615.5	614.4	611.6	607.4	601.6	595.6	588.6
-25°	599.8	602.2	603.5	603.8	604.0	602.8	599.9	595.8	590.1	584.0	577.9
-27.5°	587.5	590.7	592.3	592.8	592.3	590.7	587.3	582.7	578.5	572.7	565.0
-30°	573.5	576.1	577.6	578.2	577.6	576.0	573.5	570.1	565.0	558.6	551.3
-32.5°	558.5	561.5	563.1	563.7	563.4	562.1	559.6	555.3	549.6	543.3	536.3
-35°	538.5	541.7	543.7	544.5	544.3	542.7	539.8	535.9	531.4	525.1	517.0
-37.5°	519.7	522.5	524.1	524.7	524.5	523.2	520.9	517.4	512.1	505.6	498.4
-40°	495.0	497.9	499.2	498.8	499.5	498.4	495.5	490.8	485.8	480.9	475.3
-42.5°	463.9	466.9	468.4	468.5	468.6	467.4	464.7	461.0	458.1	453.5	446.3
-45°	439.8	442.4	444.1	444.8	444.5	443.1	440.7	437.2	432.8	427.1	420.4
-47.5°	414.1	416.3	417.5	417.6	417.6	416.6	414.4	411.0	406.6	401.6	395.9
-50°	385.9	388.1	389.4	389.4	389.4	388.2	385.8	382.6	378.0	371.7	364.4
-52.5°	335.5	337.1	336.6	334.1	336.2	336.1	333.9	329.4	322.6	318.2	316.0
-55°	284.6	286.4	287.3	287.4	286.8	285.5	283.2	280.2	276.5	276.7	272.8
-57.5°	255.5	256.6	257.1	256.7	256.9	256.3	255.2	253.3	248.9	242.9	236.6
-60°	203.7	204.9	204.9	204.0	204.9	204.8	203.7	201.4	197.7	197.0	196.0
-62.5°	174.6	175.7	176.4	176.5	176.3	175.6	174.3	172.4	169.7	167.0	163.6
-65°	130.9	130.3	128.4	125.5	127.5	128.6	128.4	126.7	123.0	119.7	119.7
-67.5°	92.4	93.7	94.3	94.3	94.0	93.1	91.6	89.5	86.9	85.6	85.9
-70°	64.2	65.2	65.8	65.9	65.8	65.0	63.9	62.7	61.5	60.6	58.9
-72.5°	32.0	31.9	31.6	31.0	31.4	31.5	31.3	31.0	30.7	30.5	30.5
-75°	18.2	18.3	18.3	18.3	18.3	18.3	18.2	18.0	17.8	17.6	17.4
-77.5°	13.4	13.4	13.4	13.4	13.4	13.4	13.3	13.1	13.0	12.7	12.6
-80°	9.3	9.3	9.3	9.3	9.3	9.3	9.2	9.1	9.0	8.9	8.8
-82.5°	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.5
-85°	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.0
-87.5°	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4
-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: P622905 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF25-XX-PC-11W-7050

**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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1
80°	1.9	1.8	1.7	1.6	1.5	1.4	1.2	1.1	1.0	0.9	0.8
77.5°	5.3	5.1	4.9	4.6	4.4	4.2	3.9	3.6	3.3	2.9	2.6
75°	10.3	10.0	9.6	9.1	8.7	8.4	7.9	7.4	6.8	6.1	5.4
72.5°	17.3	16.7	16.1	15.4	15.2	15.2	14.2	12.8	11.9	10.8	9.8
70°	27.2	27.1	26.7	25.8	26.1	26.6	26.2	25.2	23.3	20.0	16.5
67.5°	55.1	55.4	51.8	45.9	45.2	46.1	45.0	42.2	39.1	36.3	32.8
65°	101.7	102.7	94.6	85.2	88.0	87.5	78.1	73.5	71.3	59.7	53.3
62.5°	148.0	147.6	142.7	130.5	129.2	127.4	117.6	113.3	106.2	94.0	88.2
60°	203.6	192.3	180.2	180.2	179.8	171.6	160.7	153.4	142.3	132.5	120.6
57.5°	246.5	236.9	234.5	230.7	223.6	214.6	212.4	195.2	183.4	170.1	155.4
55°	303.0	303.5	297.1	279.8	264.8	257.6	250.2	243.1	233.5	202.7	192.6
52.5°	354.1	341.8	333.2	326.8	318.4	302.9	289.3	275.5	262.3	247.6	224.3
50°	385.3	379.4	371.5	359.3	345.2	337.2	326.8	311.9	292.9	272.8	256.7
47.5°	416.1	409.7	400.0	387.2	376.8	363.6	350.5	339.0	318.8	301.1	279.3
45°	440.0	432.1	420.7	410.7	400.1	387.2	374.7	357.2	341.6	322.5	303.2
42.5°	461.2	451.1	440.2	430.6	417.9	406.1	392.9	376.8	358.8	341.4	321.8
40°	480.2	468.8	458.7	446.3	435.0	422.9	406.8	392.0	375.4	357.0	338.4
37.5°	495.9	485.7	474.3	462.1	449.4	436.0	421.3	404.2	388.3	371.2	352.4
35°	510.4	499.4	488.2	475.6	463.0	449.6	433.5	416.9	399.4	382.2	364.6
32.5°	523.4	513.8	501.7	488.3	475.7	462.4	446.9	428.6	409.9	392.2	375.3
30°	535.9	527.5	515.8	502.0	488.6	475.0	459.3	441.0	420.6	402.2	385.1
27.5°	548.9	539.9	529.5	515.9	501.4	486.9	471.5	453.1	432.6	412.7	394.5
25°	561.7	552.5	540.9	528.2	513.3	498.2	482.7	464.7	445.0	423.6	403.4
22.5°	573.8	563.5	551.5	538.3	524.1	508.1	492.1	474.4	454.7	433.8	412.3
20°	583.7	573.4	560.9	547.6	533.1	517.4	500.8	482.6	463.1	443.0	420.8
17.5°	592.5	581.8	569.7	555.8	541.5	525.9	508.5	490.1	470.1	450.2	428.5
15°	600.0	589.7	577.3	563.7	549.4	533.1	515.8	497.0	476.0	455.9	434.9
12.5°	606.3	596.3	584.1	570.9	555.9	539.6	521.6	502.4	481.4	460.8	439.9
10°	611.3	601.2	589.7	576.3	561.4	545.2	526.5	507.3	486.9	465.5	444.1
7.5°	615.6	605.2	593.9	580.4	565.7	549.1	530.0	511.1	491.1	469.5	447.3
5°	618.7	608.1	596.4	583.3	568.7	551.8	532.4	513.3	494.0	472.4	449.7
2.5°	620.0	609.4	598.1	585.1	570.6	553.2	533.8	514.4	495.8	474.3	451.1
0°	620.0	609.5	598.7	585.6	571.2	553.6	533.9	514.4	496.4	475.1	451.5
-2.5°	618.0	608.1	597.8	585.3	570.4	552.5	533.2	514.6	496.7	475.3	451.7
-5°	615.1	605.9	595.9	584.0	568.3	550.2	531.5	513.9	495.9	474.3	450.9
-7.5°	612.6	603.3	593.4	581.2	565.1	546.7	528.9	512.4	494.1	472.1	449.1
-10°	609.9	601.0	591.2	577.9	561.0	542.2	525.7	509.9	491.3	468.8	446.5
-12.5°	606.5	598.3	587.8	573.9	556.9	539.5	522.9	506.7	487.1	464.6	443.6
-15°	602.5	594.0	583.0	568.7	552.4	535.9	519.8	502.7	482.3	459.9	440.5
-17.5°	597.6	587.9	576.3	562.8	547.5	531.1	515.0	497.8	475.8	454.8	436.0
-20°	590.3	580.0	567.9	554.5	540.8	525.3	509.2	491.1	468.6	448.8	430.1

Classified

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

Scaled Data Report



REPORT NUMBER: P622905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-11W-7050

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	580.7	570.2	557.7	545.2	531.2	517.3	502.6	481.8	461.2	442.4	423.0
-25°	569.2	558.4	547.0	533.8	521.4	508.5	492.4	471.3	452.7	434.4	414.5
-27.5°	556.0	546.2	533.7	522.6	511.4	497.0	478.7	460.9	443.5	425.1	405.3
-30°	542.4	531.8	521.4	511.8	498.6	482.7	464.8	449.0	432.4	414.9	396.3
-32.5°	526.4	517.1	508.0	497.0	483.3	466.0	451.4	436.0	418.8	403.6	384.9
-35°	509.0	501.2	491.7	478.9	464.2	451.1	436.9	419.3	402.1	388.4	369.9
-37.5°	492.0	482.4	469.5	456.5	446.4	435.0	416.8	398.4	384.7	369.2	351.8
-40°	466.8	455.0	444.3	435.7	425.8	409.9	391.4	378.1	364.7	349.7	331.8
-42.5°	436.7	428.5	421.8	412.4	398.5	382.1	368.2	356.9	344.3	328.6	311.1
-45°	413.0	405.1	396.7	385.0	372.5	359.5	346.8	335.5	322.0	307.0	286.9
-47.5°	388.3	380.1	371.0	360.6	348.5	335.2	322.4	312.5	299.4	280.9	258.1
-50°	356.7	350.7	342.7	328.9	312.9	301.0	295.0	287.8	269.4	246.9	230.0
-52.5°	312.9	304.9	290.9	279.9	274.8	272.3	265.8	250.6	229.5	216.4	208.1
-55°	266.2	256.9	249.7	249.4	247.1	239.0	221.9	206.7	200.6	193.8	182.9
-57.5°	230.5	226.6	223.9	214.8	203.2	192.2	187.5	183.2	175.4	160.9	149.3
-60°	192.0	186.0	177.0	171.0	169.1	167.3	162.6	150.2	136.6	129.5	123.2
-62.5°	157.9	152.7	148.9	146.9	141.9	133.3	125.2	118.2	111.6	103.8	96.6
-65°	119.4	117.9	115.7	112.6	107.6	102.6	96.9	89.9	83.2	76.7	72.9
-67.5°	85.4	84.9	83.0	78.7	72.8	69.0	67.3	64.5	62.0	54.6	48.5
-70°	55.9	53.6	52.3	51.2	49.7	47.6	43.9	40.1	37.8	36.3	34.6
-72.5°	30.2	29.3	28.4	26.6	24.5	24.9	25.3	25.0	23.0	19.9	17.2
-75°	17.1	16.7	16.3	15.8	15.7	15.6	14.8	13.7	13.0	12.3	11.8
-77.5°	12.4	12.2	11.9	11.6	11.2	10.9	10.5	10.0	9.5	9.0	8.4
-80°	8.7	8.5	8.3	8.0	7.7	7.4	7.1	6.7	6.4	6.0	5.6
-82.5°	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.2	4.0	3.8	3.5
-85°	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.2	2.1	2.0	1.9
-87.5°	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.0	0.9	0.9	0.8
-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: P622905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-11W-7050

**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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
80°	0.6	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	2.3	1.9	1.5	1.1	0.8	0.5	0.4	0.4	0.3	0.3	0.2
75°	4.7	4.1	3.6	3.0	2.4	1.7	1.0	0.7	0.5	0.4	0.4
72.5°	8.5	7.4	6.3	5.2	4.4	3.6	2.6	1.6	1.0	0.7	0.5
70°	15.2	12.8	10.1	8.5	6.9	5.4	4.3	3.1	2.0	1.2	0.7
67.5°	28.7	23.8	19.2	14.4	10.4	8.1	6.2	4.7	3.3	2.1	1.2
65°	47.6	39.7	33.5	26.5	18.8	12.4	8.8	6.5	4.7	3.2	1.9
62.5°	72.9	63.8	52.0	41.5	32.7	22.4	13.6	8.9	6.3	4.3	2.9
60°	105.9	92.6	77.4	64.0	46.8	35.2	23.5	12.9	8.4	5.7	3.7
57.5°	141.1	123.2	106.1	88.0	69.5	48.6	35.2	22.0	10.8	7.4	4.8
55°	174.7	157.2	136.4	114.6	90.1	68.1	47.5	32.5	18.3	9.3	6.0
52.5°	206.9	189.0	168.9	141.8	112.8	87.3	62.7	43.0	27.3	11.5	7.5
50°	235.6	217.0	198.2	169.1	136.9	106.7	80.3	55.2	36.4	19.3	9.2
47.5°	261.2	240.3	222.2	193.2	160.1	127.2	96.7	69.2	45.4	27.2	11.6
45°	282.0	262.1	238.1	214.9	182.4	147.3	113.7	83.3	56.6	35.0	16.2
42.5°	301.2	280.9	254.7	229.2	201.3	166.8	130.6	97.4	67.6	42.5	22.7
40°	317.6	295.4	271.1	242.8	217.8	183.8	147.4	111.5	77.9	50.4	28.9
37.5°	332.8	309.5	285.1	257.1	229.3	199.5	162.8	124.8	89.7	59.2	34.8
35°	345.5	323.4	298.0	270.6	240.3	213.7	176.4	137.7	100.9	67.3	40.4
32.5°	357.1	335.4	310.0	282.8	251.6	222.8	188.3	150.8	111.5	74.9	45.8
30°	366.9	346.7	321.6	293.6	262.4	231.1	200.7	162.1	121.5	82.7	51.1
27.5°	376.0	356.2	331.8	303.5	272.6	239.3	211.2	172.4	130.7	90.8	56.9
25°	384.1	363.6	341.2	312.6	282.1	248.2	218.1	181.3	139.7	98.2	62.2
22.5°	391.6	370.7	349.4	320.8	290.6	256.7	224.4	189.3	148.2	105.2	67.0
20°	398.8	377.9	356.1	329.0	298.2	264.6	230.1	196.8	155.7	111.6	71.4
17.5°	405.6	383.5	360.9	335.9	305.2	271.6	235.4	203.3	162.0	117.3	75.4
15°	411.7	389.1	365.5	341.5	311.1	277.7	240.8	208.3	167.6	122.1	78.8
12.5°	416.7	393.9	370.6	346.0	316.0	282.3	245.5	211.6	172.4	126.3	82.1
10°	420.5	398.0	374.9	349.1	320.1	285.9	249.4	214.4	176.0	129.7	85.0
7.5°	423.2	401.1	378.1	351.5	323.1	288.7	252.5	216.5	178.7	132.5	87.4
5°	425.1	403.4	380.3	353.1	325.2	290.6	254.7	218.0	180.7	134.5	89.2
2.5°	426.0	404.8	381.7	353.9	326.4	291.6	256.1	218.8	181.9	135.8	90.3
0°	426.0	405.3	382.3	353.9	326.8	291.8	256.5	218.9	182.3	136.4	90.8
-2.5°	427.0	406.0	382.8	355.1	327.9	293.0	257.3	219.5	183.0	137.1	91.4
-5°	427.2	405.8	382.4	355.5	328.0	293.3	257.1	219.4	182.9	137.1	91.4
-7.5°	426.6	404.7	381.3	355.2	327.3	292.6	256.0	218.6	182.2	136.5	90.7
-10°	425.3	402.6	379.4	354.2	325.7	291.0	254.1	217.0	180.7	135.1	89.4
-12.5°	423.1	399.5	377.0	352.6	323.1	288.2	251.3	214.8	178.6	133.0	87.4
-15°	419.7	395.7	374.0	349.8	319.6	284.6	247.9	211.9	175.4	130.3	85.0
-17.5°	414.6	391.2	370.2	346.1	315.2	280.2	243.7	208.2	171.8	126.9	82.1
-20°	407.9	386.6	366.1	340.8	309.8	275.1	238.6	203.8	167.6	122.4	78.5



REPORT NUMBER: P622905 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: LSF25-XX-PC-11W-7050

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	400.9	380.6	359.9	334.2	303.2	268.2	232.2	198.8	161.6	117.1	74.3
-25°	393.8	373.0	351.2	324.3	294.2	260.6	225.3	193.1	154.3	111.0	69.9
-27.5°	385.8	363.8	340.3	313.3	283.0	253.2	218.4	186.7	146.6	104.4	65.5
-30°	374.9	353.0	327.7	300.2	271.1	241.9	210.9	179.8	139.2	97.0	60.5
-32.5°	362.4	339.3	313.8	284.8	258.5	228.7	201.7	171.8	130.8	89.0	55.6
-35°	347.7	323.8	297.5	270.6	246.2	217.3	191.0	159.7	120.7	80.4	50.4
-37.5°	330.4	306.2	279.1	256.4	230.7	205.1	179.3	146.2	109.9	72.0	45.4
-40°	311.4	285.5	262.7	242.2	216.3	192.0	164.7	133.1	98.2	64.2	40.8
-42.5°	288.2	265.6	247.5	224.2	201.6	177.3	146.7	117.9	84.8	56.5	36.0
-45°	263.8	248.1	229.8	208.1	185.7	159.3	132.2	102.2	72.1	48.6	30.9
-47.5°	240.8	228.2	211.0	190.2	166.7	139.3	114.8	86.2	61.3	42.7	26.5
-50°	219.9	205.9	190.3	169.8	143.4	122.5	96.8	71.0	51.8	35.9	22.9
-52.5°	196.5	180.7	166.3	144.1	125.2	102.7	78.5	59.0	42.7	29.0	19.6
-55°	167.0	154.9	138.1	123.3	104.1	82.7	63.6	48.9	34.0	24.4	16.2
-57.5°	140.3	126.8	115.4	100.6	82.4	64.9	52.2	37.1	26.6	20.0	12.6
-60°	112.9	103.4	91.4	77.4	63.2	52.7	39.0	27.9	21.7	15.6	8.7
-62.5°	87.9	79.8	67.6	57.9	51.1	37.9	27.5	21.9	17.0	11.2	4.8
-65°	65.2	55.8	50.2	46.0	32.8	25.2	20.9	16.9	12.3	6.9	4.0
-67.5°	44.9	42.0	34.6	26.3	21.6	18.8	15.8	12.0	7.6	4.6	3.2
-70°	28.9	23.4	19.4	18.0	16.1	13.8	10.8	7.3	4.9	3.6	2.5
-72.5°	15.7	15.2	14.3	13.0	11.3	8.9	6.1	4.9	3.7	2.7	1.8
-75°	11.5	10.9	9.8	8.4	6.5	5.6	4.6	3.6	2.7	1.9	1.3
-77.5°	7.7	6.7	6.1	5.4	4.7	4.0	3.2	2.5	1.9	1.4	0.9
-80°	5.1	4.6	4.1	3.6	3.2	2.7	2.2	1.7	1.3	1.0	0.7
-82.5°	3.2	2.9	2.5	2.2	2.0	1.7	1.4	1.1	0.8	0.7	0.5
-85°	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.5	0.4
-87.5°	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2
-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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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P622905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-11W-7050

**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	0.0	0.0	0.0	0.0	0.0
85°	0.1	0.1	0.1	0.1	0.0	0.0	0.0
82.5°	0.1	0.1	0.1	0.1	0.1	0.0	0.0
80°	0.2	0.1	0.1	0.1	0.1	0.0	0.0
77.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.0
75°	0.3	0.2	0.2	0.1	0.1	0.1	0.0
72.5°	0.4	0.3	0.2	0.2	0.1	0.1	0.0
70°	0.5	0.4	0.2	0.2	0.1	0.1	0.0
67.5°	0.7	0.5	0.3	0.2	0.2	0.1	0.0
65°	1.0	0.6	0.3	0.2	0.2	0.1	0.0
62.5°	1.5	0.8	0.4	0.2	0.2	0.1	0.0
60°	2.2	1.1	0.5	0.3	0.2	0.1	0.0
57.5°	3.0	1.5	0.7	0.3	0.2	0.1	0.0
55°	3.7	1.9	0.9	0.4	0.2	0.1	0.0
52.5°	4.4	2.5	1.0	0.4	0.2	0.1	0.0
50°	5.4	3.1	1.3	0.5	0.2	0.2	0.0
47.5°	6.4	3.7	1.6	0.6	0.2	0.2	0.0
45°	7.8	4.2	1.9	0.7	0.3	0.2	0.0
42.5°	9.3	4.8	2.4	0.8	0.3	0.2	0.0
40°	11.8	5.4	2.8	0.9	0.3	0.2	0.0
37.5°	14.5	6.0	3.1	1.0	0.3	0.2	0.0
35°	18.4	7.0	3.5	1.2	0.3	0.2	0.0
32.5°	23.0	8.2	3.8	1.4	0.4	0.2	0.0
30°	27.2	9.3	4.1	1.6	0.4	0.2	0.0
27.5°	31.1	10.7	4.4	1.7	0.4	0.2	0.0
25°	34.8	12.7	4.7	1.9	0.5	0.2	0.0
22.5°	38.1	14.7	5.0	2.0	0.5	0.2	0.0
20°	41.2	16.6	5.3	2.1	0.5	0.2	0.0
17.5°	43.9	18.5	5.6	2.3	0.5	0.2	0.0
15°	46.4	20.3	5.8	2.4	0.5	0.2	0.0
12.5°	48.6	22.1	6.0	2.5	0.6	0.2	0.0
10°	50.4	23.7	6.1	2.6	0.6	0.2	0.0
7.5°	51.9	25.0	6.2	2.7	0.6	0.2	0.0
5°	53.0	26.0	6.3	2.8	0.6	0.2	0.0
2.5°	53.9	26.7	6.4	2.8	0.6	0.2	0.0
0°	54.4	27.2	6.4	2.8	0.6	0.2	0.0
-2.5°	54.6	27.4	6.7	2.9	0.6	0.2	0.0
-5°	54.4	27.3	7.0	2.9	0.6	0.2	0.0
-7.5°	54.0	26.9	7.2	2.9	0.6	0.2	0.0
-10°	53.1	26.2	7.3	2.8	0.6	0.2	0.0
-12.5°	51.9	25.4	7.4	2.8	0.6	0.2	0.0
-15°	50.4	24.2	7.4	2.7	0.6	0.2	0.0
-17.5°	48.5	23.0	7.4	2.6	0.6	0.2	0.0
-20°	46.2	21.6	7.2	2.5	0.6	0.2	0.0

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REPORT NUMBER: P622905 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-11W-7050

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	43.8	20.0	7.0	2.4	0.6	0.2	0.0
-25°	41.3	18.3	6.7	2.3	0.6	0.2	0.0
-27.5°	38.5	16.5	6.3	2.1	0.5	0.2	0.0
-30°	35.5	15.2	5.8	2.0	0.5	0.2	0.0
-32.5°	32.2	14.0	5.2	1.9	0.5	0.2	0.0
-35°	28.7	12.7	4.6	1.7	0.4	0.2	0.0
-37.5°	25.3	11.4	3.9	1.5	0.4	0.2	0.0
-40°	22.4	10.3	3.6	1.4	0.4	0.2	0.0
-42.5°	19.4	9.0	3.3	1.3	0.4	0.2	0.0
-45°	17.1	7.6	2.9	1.1	0.4	0.2	0.0
-47.5°	14.7	6.0	2.6	1.0	0.4	0.2	0.0
-50°	12.4	4.3	2.2	0.9	0.3	0.2	0.0
-52.5°	9.9	3.8	1.9	0.8	0.3	0.2	0.0
-55°	7.4	3.3	1.6	0.7	0.3	0.2	0.0
-57.5°	4.6	2.8	1.4	0.6	0.3	0.2	0.0
-60°	3.9	2.3	1.1	0.5	0.3	0.2	0.0
-62.5°	3.2	1.9	0.9	0.5	0.3	0.1	0.0
-65°	2.6	1.5	0.8	0.4	0.3	0.1	0.0
-67.5°	2.0	1.2	0.6	0.4	0.3	0.1	0.0
-70°	1.5	0.9	0.5	0.3	0.2	0.1	0.0
-72.5°	1.1	0.7	0.5	0.3	0.2	0.1	0.0
-75°	0.8	0.6	0.4	0.3	0.2	0.1	0.0
-77.5°	0.7	0.5	0.4	0.3	0.2	0.1	0.0
-80°	0.5	0.4	0.3	0.2	0.1	0.1	0.0
-82.5°	0.4	0.3	0.3	0.2	0.1	0.0	0.0
-85°	0.3	0.3	0.2	0.1	0.1	0.0	0.0
-87.5°	0.2	0.1	0.1	0.1	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)