

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: P622904 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF25-XX-PC-11W-7040**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622904 (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-7040
Description: Flood light with selectable wattage and CCT
Light Source: (1) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

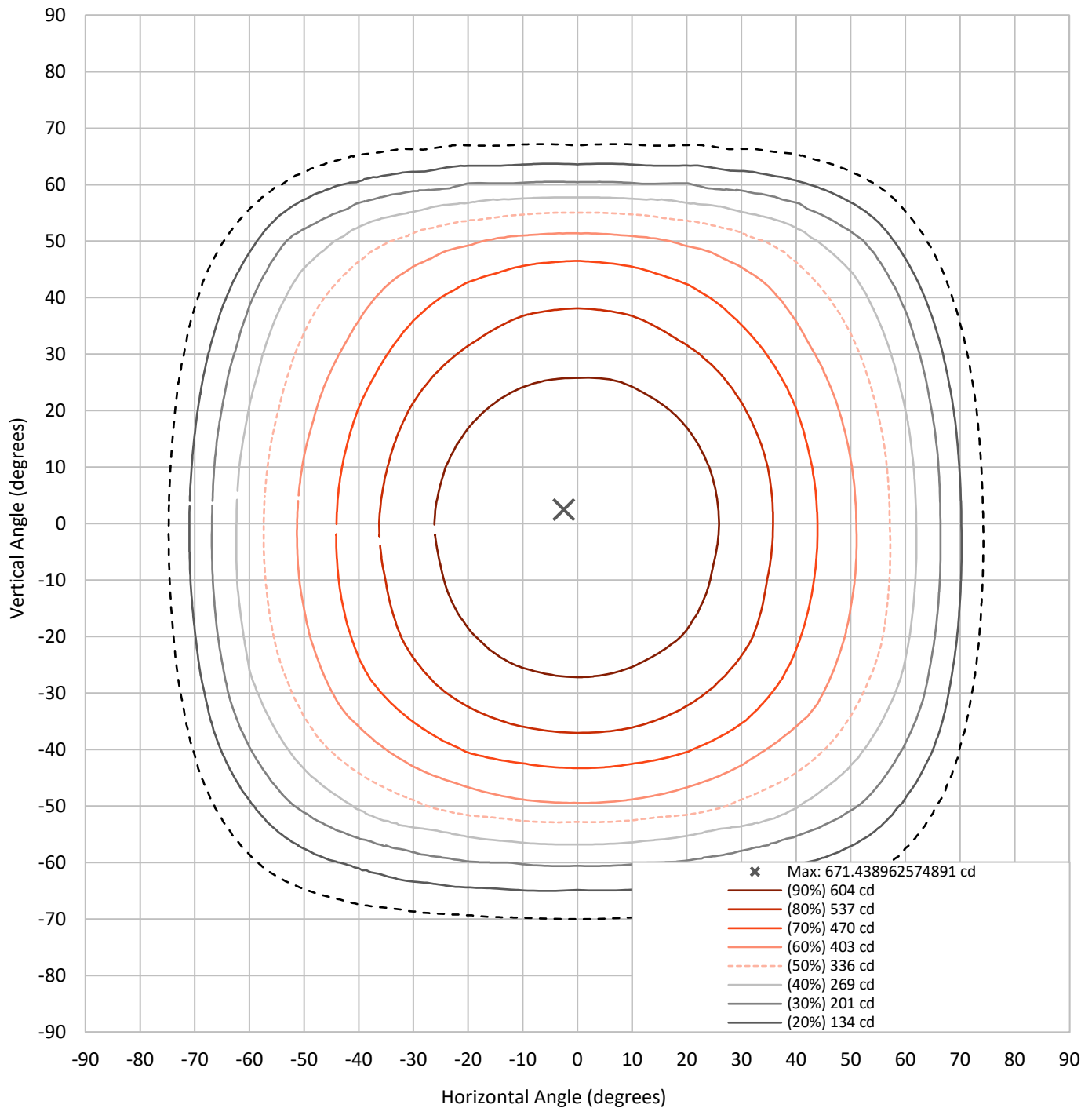
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	1776.4 lumens	Max Intensity:	671.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	161.5 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:	1447.3 lumens	Field Lumens:	1751.7 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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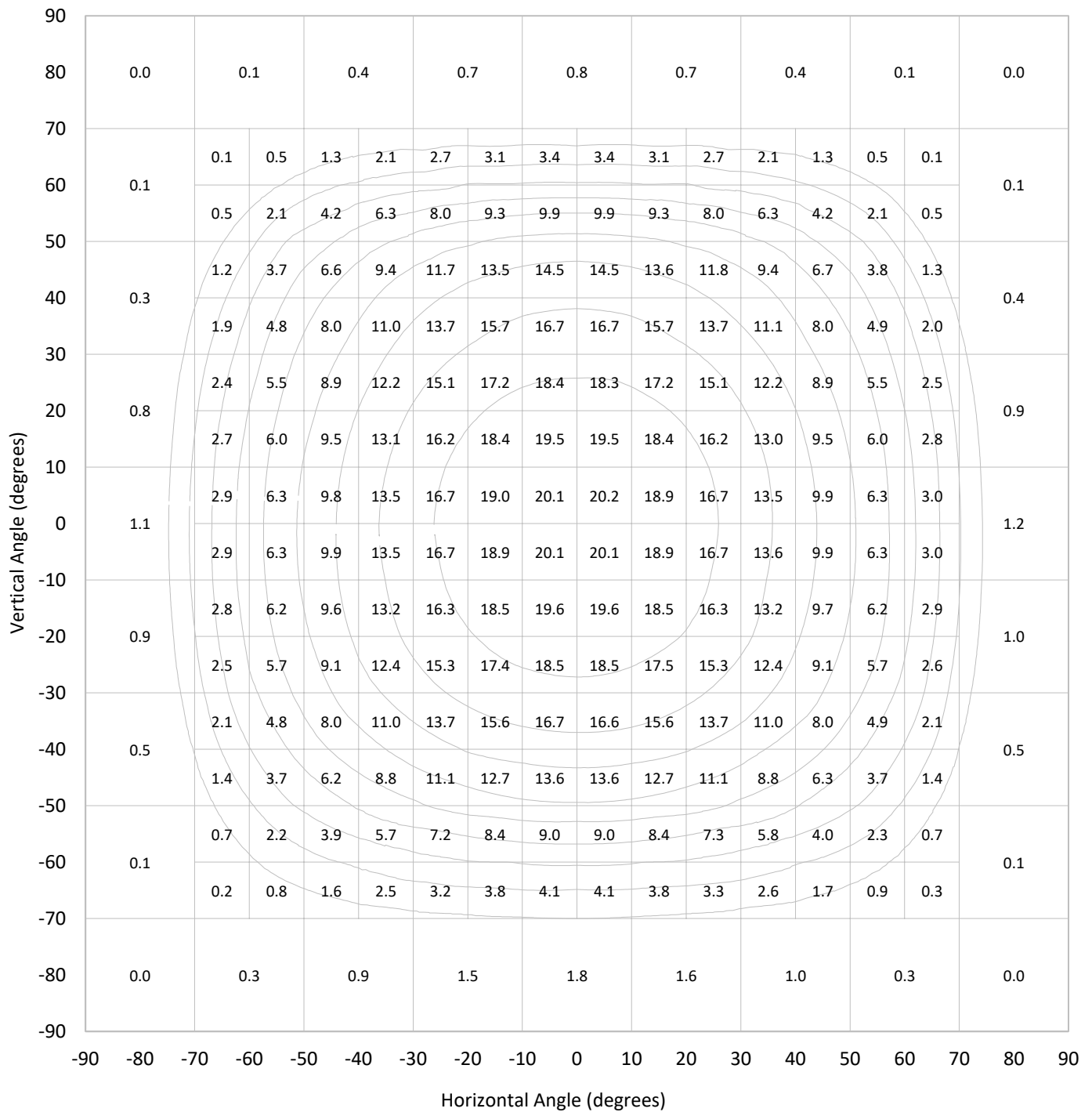
Iso-Candela Plot





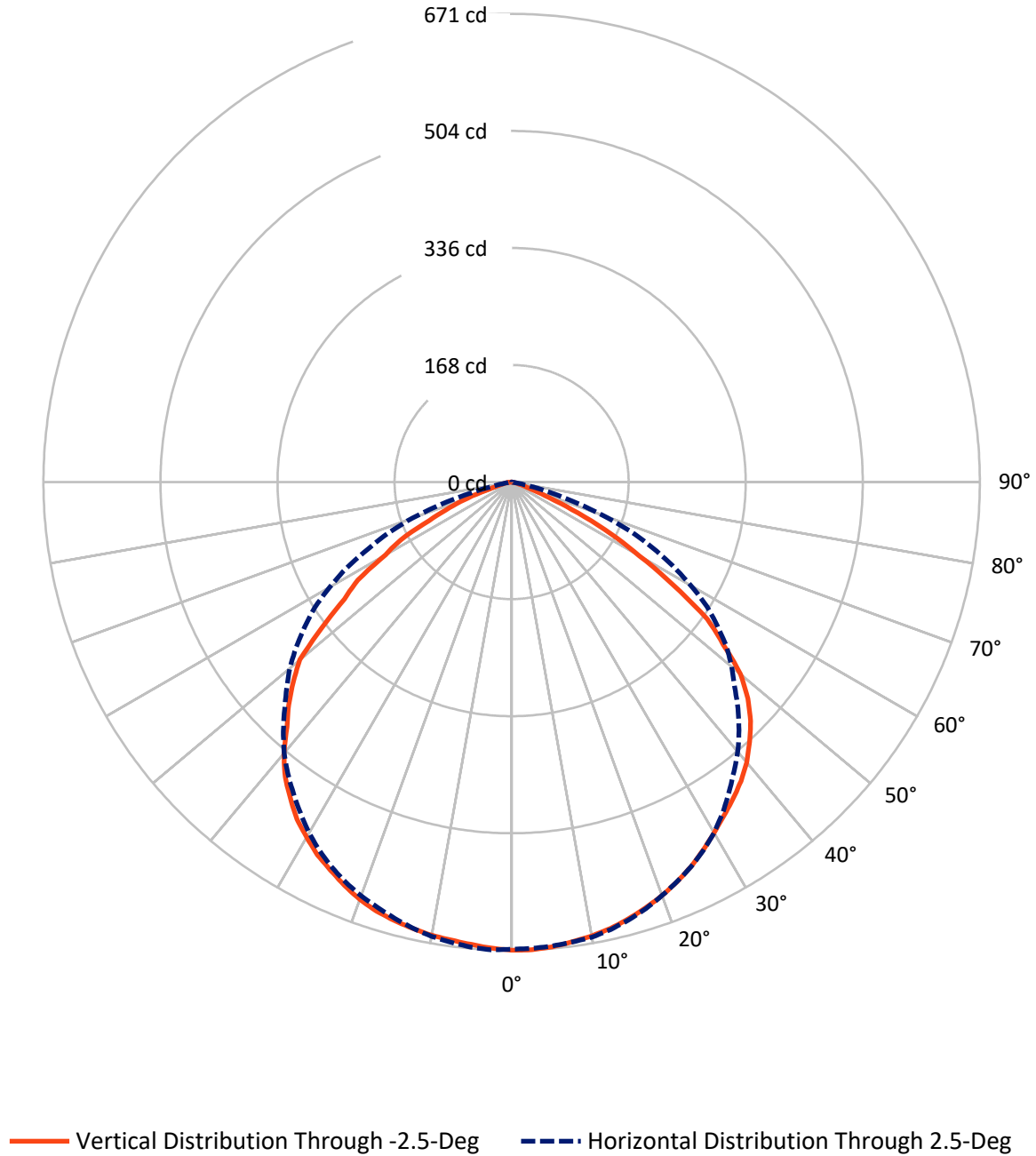
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Lumen Table



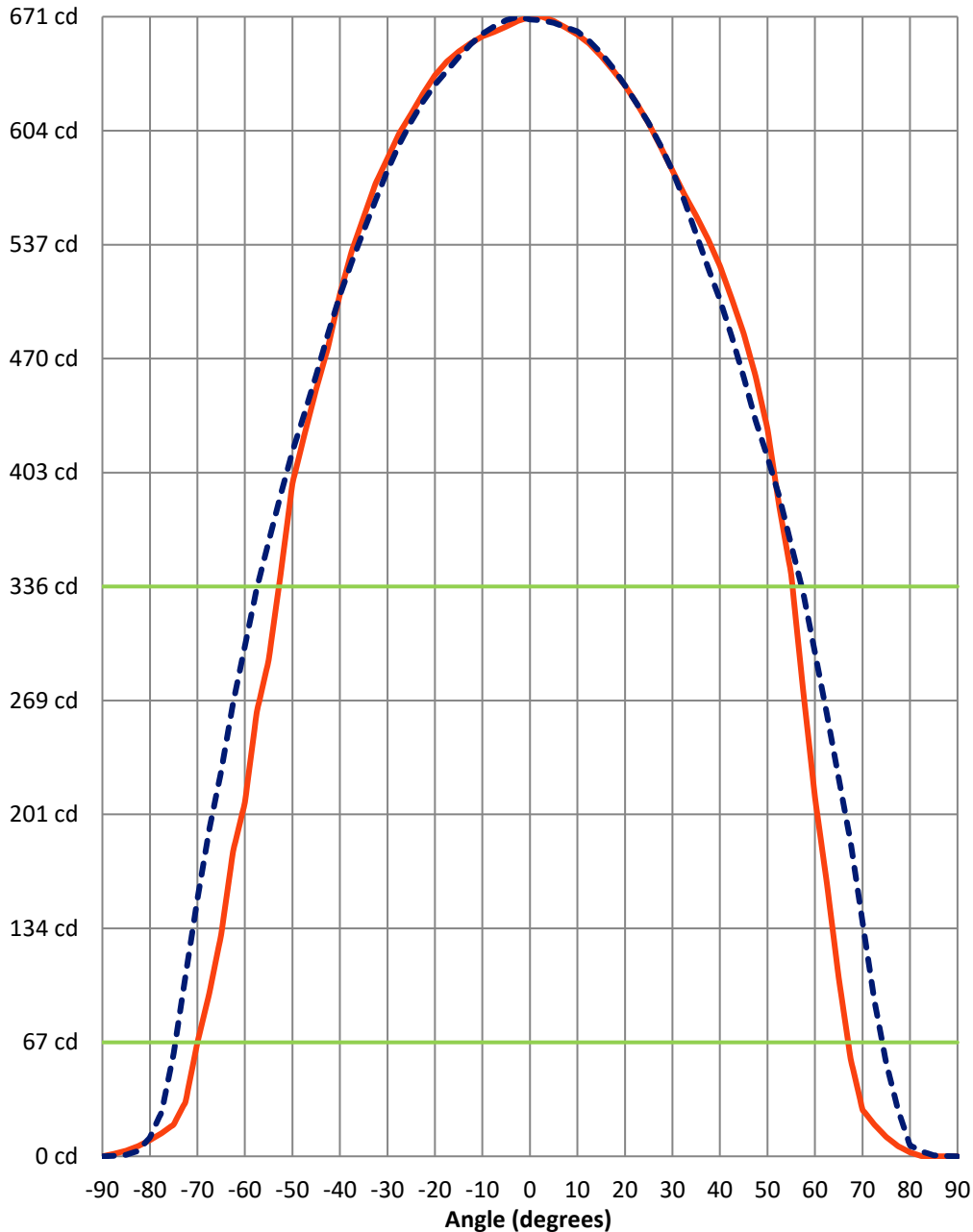
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 114.6°
 V Angle: 108.1°
 Lumens: 1447.3
 Efficiency: 81.5%

Field:
 H Angle: 148.8°
 V Angle: 137°
 Lumens: 1751.7
 Efficiency: 98.6%

Spill:
 Lumens: 24.7
 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	1.9
70°	0.0	0.2	0.2	0.3	0.3	0.4	0.6	0.9	1.4	2.3	3.4
67.5°	0.0	0.2	0.3	0.3	0.4	0.5	0.9	1.4	2.4	3.7	4.9
65°	0.0	0.2	0.3	0.3	0.4	0.7	1.3	2.2	3.6	5.1	6.7
62.5°	0.0	0.2	0.3	0.3	0.6	1.0	1.8	3.2	4.8	6.7	9.0
60°	0.0	0.2	0.3	0.4	0.7	1.3	2.5	4.3	6.2	8.6	13.1
57.5°	0.0	0.2	0.3	0.4	0.9	1.7	3.4	5.4	7.8	10.9	23.5
55°	0.0	0.2	0.3	0.5	1.1	2.2	4.2	6.7	9.6	19.6	35.9
52.5°	0.0	0.2	0.3	0.6	1.3	2.9	5.1	8.3	11.7	30.5	48.2
50°	0.0	0.3	0.3	0.7	1.6	3.5	6.6	10.1	21.4	41.6	64.7
47.5°	0.0	0.3	0.3	0.8	1.9	4.2	8.1	12.2	31.2	52.6	79.3
45°	0.0	0.3	0.4	0.9	2.2	4.8	9.8	17.1	40.4	67.2	93.7
42.5°	0.0	0.3	0.4	1.1	2.7	5.8	11.5	24.4	49.5	80.4	108.8
40°	0.0	0.3	0.4	1.2	3.1	7.1	13.5	31.5	59.3	92.6	123.8
37.5°	0.0	0.3	0.5	1.3	3.5	8.5	15.4	38.4	70.6	104.1	137.2
35°	0.0	0.3	0.5	1.5	3.9	10.0	19.2	45.3	80.6	114.8	149.1
32.5°	0.0	0.3	0.5	1.7	4.3	11.4	23.7	52.2	89.4	124.8	160.3
30°	0.0	0.3	0.6	1.8	4.7	12.8	27.7	59.2	97.8	134.5	172.1
27.5°	0.0	0.3	0.6	2.0	5.1	14.3	32.1	67.0	105.8	143.9	183.1
25°	0.0	0.3	0.7	2.2	5.6	15.7	36.2	74.2	113.1	152.3	190.4
22.5°	0.0	0.3	0.7	2.3	6.4	17.1	39.9	80.4	119.6	159.7	197.0
20°	0.0	0.3	0.7	2.4	7.3	18.5	43.5	85.6	125.5	166.6	203.8
17.5°	0.0	0.3	0.8	2.6	8.0	19.7	47.2	90.2	130.9	173.2	209.7
15°	0.0	0.3	0.8	2.8	8.7	21.2	50.6	94.3	136.1	178.9	214.5
12.5°	0.0	0.3	0.8	2.9	9.4	22.7	53.5	97.9	140.6	183.8	218.3
10°	0.0	0.3	0.8	3.0	9.9	24.0	56.0	100.9	144.4	187.1	221.4
7.5°	0.0	0.3	0.9	3.1	10.4	25.1	58.0	103.3	147.5	189.5	223.9
5°	0.0	0.3	0.9	3.1	10.8	25.9	59.5	105.1	149.8	191.4	225.7
2.5°	0.0	0.3	0.9	3.2	11.1	26.5	60.6	106.3	151.5	192.6	226.9
0°	0.0	0.3	0.9	3.2	11.3	26.8	61.1	106.9	152.3	193.1	227.3
-2.5°	0.0	0.3	0.9	3.2	11.4	27.1	61.1	107.0	152.4	193.6	227.8
-5°	0.0	0.3	0.9	3.2	11.3	27.2	60.7	106.4	151.8	193.4	227.7
-7.5°	0.0	0.3	0.9	3.2	11.1	27.0	59.7	105.3	150.4	192.6	226.8
-10°	0.0	0.3	0.9	3.1	10.9	26.7	58.3	103.5	148.1	191.2	225.1
-12.5°	0.0	0.3	0.9	3.1	10.5	26.1	56.4	101.1	145.1	189.0	222.8
-15°	0.0	0.3	0.9	3.0	10.0	25.3	54.2	98.2	141.3	185.7	219.6
-17.5°	0.0	0.3	0.9	2.9	9.4	24.3	51.5	94.6	136.7	181.7	216.0
-20°	0.0	0.3	0.9	2.8	8.7	23.3	48.5	90.4	131.9	177.1	211.9

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Scaled Data Report



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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	8.0	22.1	45.6	85.6	126.6	171.1	207.3
-25°	0.0	0.3	0.8	2.5	7.1	20.6	42.7	80.0	120.5	163.8	201.6
-27.5°	0.0	0.3	0.8	2.4	6.5	18.9	39.4	73.7	113.8	155.5	195.2
-30°	0.0	0.3	0.7	2.3	6.0	17.3	35.8	66.8	106.4	146.0	187.5
-32.5°	0.0	0.3	0.7	2.1	5.5	15.9	32.9	60.8	98.4	136.1	178.7
-35°	0.0	0.3	0.6	1.9	4.8	14.3	29.7	54.9	89.8	126.5	166.4
-37.5°	0.0	0.3	0.6	1.8	4.2	12.6	26.3	49.1	80.4	116.1	151.5
-40°	0.0	0.3	0.6	1.6	3.9	10.9	22.9	43.3	70.3	104.9	136.7
-42.5°	0.0	0.3	0.5	1.5	3.5	9.0	19.2	37.6	61.9	92.5	122.9
-45°	0.0	0.3	0.5	1.4	3.1	7.5	16.9	32.2	54.4	79.8	108.6
-47.5°	0.0	0.3	0.5	1.2	2.8	6.1	14.5	26.8	46.5	67.0	93.9
-50°	0.0	0.3	0.4	1.1	2.4	4.6	12.0	21.3	38.3	57.5	79.2
-52.5°	0.0	0.3	0.4	1.0	2.1	4.0	9.4	17.6	30.6	47.3	65.4
-55°	0.0	0.3	0.4	0.8	1.8	3.4	7.2	14.6	23.4	37.7	54.2
-57.5°	0.0	0.2	0.4	0.7	1.6	2.9	4.8	11.5	18.1	29.2	42.1
-60°	0.0	0.2	0.4	0.6	1.3	2.5	4.1	8.3	14.4	20.6	32.6
-62.5°	0.0	0.2	0.3	0.6	1.1	2.0	3.3	5.1	10.8	16.0	23.0
-65°	0.0	0.2	0.3	0.5	0.9	1.6	2.7	4.2	7.3	12.1	16.7
-67.5°	0.0	0.2	0.3	0.4	0.7	1.3	2.1	3.3	5.0	8.3	12.4
-70°	0.0	0.2	0.3	0.4	0.6	1.0	1.6	2.6	3.8	5.5	8.4
-72.5°	0.0	0.2	0.3	0.4	0.5	0.8	1.3	1.9	2.9	4.0	5.5
-75°	0.0	0.1	0.3	0.3	0.4	0.6	0.9	1.4	2.1	2.9	3.9
-77.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.7	1.0	1.5	2.1	2.8
-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	1.0	1.3
-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



REPORT NUMBER: P622904 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-11W-7040

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	0.7	0.8	0.9	1.1	1.2
77.5°	0.5	0.7	0.9	1.2	1.6	2.0	2.4	2.7	3.0	3.4	3.7
75°	1.2	1.8	2.5	3.1	3.7	4.2	4.7	5.5	6.2	6.9	7.5
72.5°	2.7	3.6	4.4	5.1	6.2	7.3	8.4	9.7	10.8	11.8	12.7
70°	4.4	5.4	6.7	8.2	9.8	12.4	14.9	16.2	20.2	23.9	26.1
67.5°	6.2	7.9	9.9	13.6	18.7	23.6	29.1	34.5	37.9	40.6	43.5
65°	8.7	12.0	17.8	26.2	33.8	42.9	48.7	54.5	61.3	68.1	72.3
62.5°	13.5	22.4	32.7	43.8	54.4	62.2	73.3	87.2	94.1	111.0	116.6
60°	24.4	36.7	51.1	63.1	74.9	95.4	110.3	128.2	137.1	141.6	153.5
57.5°	37.9	54.3	69.0	84.4	113.5	132.1	151.4	160.1	171.7	187.5	197.4
55°	53.3	71.6	89.2	125.1	148.6	169.0	181.3	197.8	206.8	234.6	250.2
52.5°	70.7	89.8	123.4	155.3	183.3	198.2	212.5	228.7	254.1	269.8	281.2
50°	86.2	115.8	149.6	183.9	210.6	223.1	241.4	265.5	280.5	300.5	319.6
47.5°	104.5	139.3	173.4	205.7	228.6	247.6	270.3	287.9	310.4	326.4	344.0
45°	125.4	159.2	195.0	221.2	245.5	271.6	291.5	313.5	329.9	347.9	363.0
42.5°	142.9	179.0	209.8	234.9	263.7	290.5	312.2	329.9	348.1	364.7	383.5
40°	158.2	194.4	222.9	251.1	279.6	305.9	327.5	345.1	363.0	381.9	398.7
37.5°	173.4	206.5	234.9	265.7	293.6	319.5	339.4	358.7	377.3	394.9	413.3
35°	186.6	217.9	248.0	278.0	306.7	330.6	351.5	370.5	388.4	407.6	428.0
32.5°	195.5	227.1	259.6	289.0	318.6	341.1	362.4	381.3	399.4	420.6	439.6
30°	205.7	237.4	269.2	300.2	328.3	351.2	372.6	391.9	411.2	431.0	451.0
27.5°	215.2	246.6	277.6	310.5	336.8	360.2	382.1	401.8	422.1	442.1	461.7
25°	222.8	256.1	285.5	319.4	344.7	368.8	391.0	411.4	432.2	452.9	472.4
22.5°	230.2	264.1	295.6	327.0	352.1	376.9	398.9	419.8	441.6	463.1	482.4
20°	237.3	271.2	304.3	333.8	358.6	384.3	405.7	427.6	450.4	471.8	490.9
17.5°	243.7	277.7	311.8	340.3	365.8	390.8	411.6	434.6	458.2	479.6	498.8
15°	249.9	283.6	317.9	346.2	372.2	396.7	418.0	441.0	464.9	485.7	505.6
12.5°	255.6	288.8	323.0	351.1	377.4	402.0	423.9	447.3	470.6	491.3	511.3
10°	260.2	293.2	327.3	355.1	381.8	406.5	428.8	452.2	475.5	496.9	516.7
7.5°	263.2	296.7	330.6	358.2	385.2	410.2	432.7	456.0	479.6	501.4	521.3
5°	265.4	299.1	333.0	360.6	387.7	413.1	435.5	458.6	482.6	504.9	524.8
2.5°	266.8	300.7	334.6	362.1	389.4	415.2	437.3	460.2	484.6	507.3	527.0
0°	267.6	301.3	335.4	362.9	390.2	416.5	438.2	460.7	485.6	508.6	528.2
-2.5°	268.3	301.9	335.6	363.3	390.5	416.6	439.0	461.6	485.8	508.4	527.9
-5°	268.2	301.6	334.9	362.9	389.9	415.8	438.9	461.4	485.0	507.2	526.5
-7.5°	267.4	300.5	333.5	361.7	388.6	414.1	437.8	460.3	483.1	504.9	524.0
-10°	265.9	298.4	331.2	359.4	386.6	411.4	435.7	458.1	480.5	501.7	520.6
-12.5°	262.8	295.5	328.2	356.3	383.7	407.8	432.5	455.1	477.3	497.6	516.6
-15°	258.7	291.8	324.6	352.3	380.1	403.2	428.0	451.3	473.1	493.0	512.0
-17.5°	254.0	287.8	320.2	347.6	374.9	398.3	421.9	445.7	467.8	487.5	506.4
-20°	248.1	283.2	314.5	342.1	368.6	393.3	415.0	438.7	461.3	481.3	499.7



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CATALOG NUMBER: LSF25-XX-PC-11W-7040

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	240.6	277.7	307.7	336.2	360.5	386.6	407.6	430.3	453.2	474.5	492.4
-25°	232.8	271.4	299.5	328.7	351.8	377.8	400.1	420.8	443.0	465.9	483.8
-27.5°	225.4	263.8	290.1	318.8	342.8	367.1	391.7	411.3	432.0	454.1	473.9
-30°	218.1	251.1	279.8	306.5	333.2	355.3	380.2	401.9	420.5	440.2	459.7
-32.5°	209.5	236.0	268.3	292.5	321.5	343.6	366.7	390.3	408.9	425.6	444.0
-35°	198.5	224.1	255.1	279.4	306.1	331.8	352.2	375.2	394.3	409.2	427.7
-37.5°	186.2	212.2	237.9	265.5	288.4	316.1	338.6	356.8	375.4	391.9	407.4
-40°	171.3	199.0	223.1	249.6	271.9	296.4	322.0	338.7	355.3	371.7	386.6
-42.5°	153.0	184.2	208.4	230.6	255.1	275.8	299.9	320.4	335.0	350.3	364.7
-45°	136.0	166.2	192.2	215.0	235.7	255.9	274.2	297.8	315.1	328.3	341.8
-47.5°	120.0	145.1	173.8	196.4	217.7	233.8	248.9	268.2	291.0	306.8	318.1
-50°	103.6	126.9	150.0	176.3	196.3	212.9	225.8	237.7	256.6	279.1	295.1
-52.5°	87.0	109.0	129.5	151.0	172.6	187.3	204.1	214.7	223.6	238.3	260.3
-55°	71.4	90.8	110.2	128.0	145.2	161.6	174.0	191.4	201.4	207.3	214.3
-57.5°	57.9	73.5	90.6	106.9	120.7	134.5	147.2	156.5	169.4	184.3	190.2
-60°	44.5	58.8	72.3	85.6	97.7	109.4	121.3	130.8	136.4	144.5	158.9
-62.5°	33.6	43.9	56.8	66.4	75.6	86.0	94.0	104.2	114.3	118.8	123.4
-65°	23.1	32.5	40.3	49.9	57.1	63.4	71.4	78.2	82.9	90.7	98.3
-67.5°	16.1	20.9	29.1	33.3	39.5	46.1	50.8	54.7	59.9	66.4	69.2
-70°	11.8	14.7	18.0	21.6	25.2	28.3	32.7	37.5	40.1	42.0	44.1
-72.5°	7.8	10.7	12.7	14.0	15.6	17.0	18.2	19.4	22.1	25.1	26.8
-75°	4.9	6.8	8.6	9.9	10.9	11.6	12.2	12.4	12.7	13.6	14.4
-77.5°	3.6	4.4	5.1	6.0	7.1	7.9	8.5	8.9	9.4	9.9	10.4
-80°	2.4	2.9	3.5	4.0	4.4	4.9	5.4	5.9	6.3	6.7	7.0
-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	1.2	1.3	1.5	1.6	1.8	2.0	2.1	2.2	2.4	2.5
-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: P622904 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-11W-7040

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	4.6	4.8	5.1	5.3	5.5	5.6	5.7	5.8	5.9
75°	8.1	8.6	8.9	9.4	9.9	10.2	10.5	10.7	10.9	11.1	11.3
72.5°	14.3	15.5	15.6	15.7	16.3	16.9	17.3	17.6	17.8	18.1	18.4
70°	26.8	26.2	25.1	24.8	26.2	27.1	27.4	27.3	27.3	27.5	28.0
67.5°	45.1	45.0	45.1	46.6	52.5	55.9	55.6	54.1	53.3	55.1	58.3
65°	79.4	90.3	89.3	85.6	95.0	103.0	102.3	101.2	100.8	102.9	105.5
62.5°	117.9	126.7	129.3	130.1	142.3	147.9	149.8	151.1	150.9	151.7	155.2
60°	163.1	172.6	180.6	181.6	181.6	194.2	206.4	208.1	206.9	205.9	209.0
57.5°	213.6	218.8	226.4	234.0	239.8	241.7	250.9	263.6	267.7	266.0	269.8
55°	255.4	263.0	270.5	284.3	301.8	310.5	309.1	310.1	319.4	330.6	334.2
52.5°	296.3	308.8	324.0	333.3	339.1	346.9	359.0	366.2	370.0	371.9	375.6
50°	331.7	343.4	350.9	364.0	377.9	386.7	392.6	402.4	410.0	417.6	421.5
47.5°	356.6	368.8	383.8	393.8	408.6	418.2	424.8	431.6	441.7	448.5	452.2
45°	380.9	393.5	408.4	419.8	429.6	442.1	451.3	457.8	463.4	470.7	476.4
42.5°	398.8	415.6	428.8	441.4	452.5	461.5	472.0	479.5	486.3	491.2	496.8
40°	416.5	435.4	447.0	458.5	470.5	480.0	492.3	498.4	505.0	510.6	516.6
37.5°	432.9	448.7	462.3	473.7	486.1	496.0	507.9	515.5	521.4	527.7	533.1
35°	445.5	461.6	474.6	486.6	499.1	510.9	520.9	528.5	534.9	541.6	547.7
32.5°	457.6	472.9	485.9	498.9	512.0	523.4	532.2	539.3	546.9	554.4	561.0
30°	468.8	484.2	498.4	511.6	524.6	535.5	544.5	552.1	560.1	567.8	574.5
27.5°	479.7	495.6	510.5	524.5	537.4	548.6	557.6	566.1	573.7	582.0	588.2
25°	490.0	506.6	522.2	536.6	549.8	560.6	570.7	580.0	588.2	595.4	600.4
22.5°	500.1	517.0	532.9	547.9	560.5	572.3	583.1	592.2	600.2	607.0	611.9
20°	509.2	526.5	542.8	557.4	570.9	582.8	593.2	602.6	610.3	617.0	622.0
17.5°	517.3	534.9	551.2	566.8	579.7	591.6	602.6	611.2	619.4	625.6	630.8
15°	524.3	542.2	559.1	574.5	587.4	599.8	610.1	619.4	627.2	633.9	638.8
12.5°	530.2	548.4	565.6	580.9	594.4	606.6	616.7	625.6	633.9	640.7	645.8
10°	535.4	553.7	571.2	586.5	600.3	611.8	622.0	630.8	639.2	645.9	651.5
7.5°	539.9	558.1	575.6	591.0	604.0	616.2	626.0	635.1	642.8	650.1	655.7
5°	543.2	561.3	578.8	594.3	607.4	619.4	629.2	637.5	645.2	652.9	659.0
2.5°	545.3	563.3	580.8	596.3	609.7	621.4	631.4	639.5	647.7	655.1	661.4
0°	546.3	563.9	581.6	597.0	610.7	622.4	632.1	640.5	649.2	656.7	662.6
-2.5°	545.8	563.4	580.8	596.4	609.5	621.0	630.4	638.7	647.3	655.0	661.7
-5°	544.3	561.7	578.6	594.5	607.4	618.8	627.6	636.0	644.5	652.6	659.0
-7.5°	541.6	558.8	575.2	591.4	605.0	616.1	625.2	633.6	641.8	649.4	656.0
-10°	538.1	555.2	571.8	588.2	602.1	612.8	622.3	630.7	638.6	646.5	652.8
-12.5°	534.9	552.1	568.8	584.2	598.0	609.2	618.4	627.3	635.3	642.6	648.4
-15°	530.4	548.2	564.7	579.2	592.8	604.2	613.8	622.8	631.1	637.4	643.4
-17.5°	524.7	543.0	559.4	574.8	586.1	597.6	607.2	616.7	624.8	631.3	636.2
-20°	517.3	535.7	552.9	566.2	578.3	588.7	599.7	608.1	616.5	623.8	628.6

Classified

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

Scaled Data Report



REPORT NUMBER: P622904 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: LSF25-XX-PC-11W-7040

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	509.5	526.6	543.1	557.3	568.6	579.6	589.1	598.9	607.1	613.7	618.5
-25°	500.0	515.2	531.6	546.9	559.0	568.5	579.0	588.2	595.9	602.3	607.5
-27.5°	488.7	503.8	518.7	533.7	547.7	558.0	566.8	575.6	584.0	590.2	593.8
-30°	475.4	490.6	505.0	519.3	532.3	543.7	554.0	562.0	569.2	575.4	580.3
-32.5°	460.3	474.4	489.6	503.4	515.4	526.6	536.7	546.1	553.0	558.9	564.3
-35°	444.6	457.7	470.4	485.2	498.5	508.4	517.6	526.3	534.1	540.1	544.3
-37.5°	426.6	442.4	452.2	463.2	477.1	490.5	499.4	506.3	513.7	520.4	525.4
-40°	402.1	421.2	434.1	442.7	451.7	463.1	476.5	484.0	488.8	493.9	499.4
-42.5°	378.0	392.6	408.7	421.1	429.4	436.6	445.5	454.3	461.1	465.6	468.1
-45°	354.6	368.4	380.8	393.4	404.2	411.8	420.2	427.9	434.3	439.9	444.2
-47.5°	329.0	342.3	355.9	367.6	377.0	385.9	394.8	402.4	408.6	413.7	418.0
-50°	300.6	308.2	320.7	336.0	349.2	356.8	363.1	370.8	378.6	385.4	389.8
-52.5°	274.3	279.4	281.6	288.4	300.2	313.1	320.0	323.3	326.0	331.1	337.7
-55°	230.9	248.0	255.4	257.1	257.4	264.3	274.0	280.5	283.8	283.3	286.8
-57.5°	193.7	199.2	211.6	223.4	231.5	233.4	236.7	242.3	248.3	253.8	258.2
-60°	170.0	172.9	174.2	176.6	183.1	192.4	198.1	200.8	200.8	201.0	204.9
-62.5°	130.1	141.8	149.2	151.7	153.3	157.6	163.2	168.9	171.8	173.7	175.9
-65°	104.2	106.8	109.5	111.9	120.0	125.2	125.2	124.8	124.9	128.6	132.0
-67.5°	72.1	74.2	78.1	83.8	86.9	87.5	87.4	87.8	87.9	89.5	92.1
-70°	47.5	52.0	54.4	54.8	55.1	56.8	59.4	62.6	63.6	63.8	64.4
-72.5°	27.1	26.9	26.3	27.8	29.2	30.4	31.9	32.5	32.3	32.4	32.4
-75°	15.6	16.3	16.1	16.2	16.6	17.1	17.5	17.9	18.0	18.2	18.5
-77.5°	10.9	11.2	11.5	11.9	12.2	12.5	12.8	13.0	13.1	13.3	13.5
-80°	7.4	7.7	8.0	8.3	8.6	8.8	8.9	9.1	9.2	9.3	9.4
-82.5°	4.7	4.9	5.0	5.2	5.3	5.5	5.6	5.7	5.8	5.9	5.9
-85°	2.6	2.7	2.8	2.9	3.0	3.1	3.1	3.2	3.2	3.3	3.3
-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: P622904 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-11W-7040

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	0.2	0.2
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.1	2.1
77.5°	6.0	6.0	6.0	5.9	6.0	6.0	5.9	5.8	5.7	5.6	5.5
75°	11.4	11.4	11.4	11.3	11.4	11.4	11.3	11.2	11.0	10.8	10.6
72.5°	18.6	18.7	18.7	18.6	18.7	18.7	18.6	18.4	18.1	17.9	17.9
70°	28.1	27.9	27.6	27.0	27.6	28.1	28.3	28.2	27.7	27.4	27.4
67.5°	59.7	59.3	57.5	54.9	57.6	59.3	59.6	58.1	54.7	53.3	54.5
65°	106.5	106.4	105.1	103.2	105.4	106.8	107.1	106.0	103.1	100.9	101.8
62.5°	159.5	161.3	160.9	158.8	160.8	161.1	159.3	155.1	151.5	150.6	150.9
60°	210.9	211.7	211.5	210.5	211.3	211.3	210.2	207.9	204.2	205.1	207.2
57.5°	272.7	274.3	274.8	274.3	274.6	273.9	271.9	268.3	264.8	267.5	264.0
55°	337.9	341.0	342.7	341.8	342.7	341.1	338.1	334.8	331.9	320.3	310.3
52.5°	379.4	382.0	382.6	381.8	382.5	381.8	379.2	375.3	371.7	369.8	366.5
50°	424.0	426.5	428.5	429.3	427.8	425.0	421.7	418.4	414.5	408.2	401.3
47.5°	455.6	457.9	459.6	460.5	459.2	457.2	454.3	450.2	445.8	439.0	429.8
45°	479.8	482.7	484.7	485.6	484.2	481.8	478.7	475.5	469.5	462.0	455.2
42.5°	501.3	503.4	505.1	506.2	505.0	503.1	500.5	496.1	490.1	484.1	477.1
40°	519.4	522.2	524.5	526.1	524.7	522.4	519.6	516.5	509.9	503.6	497.0
37.5°	536.5	539.0	540.3	540.7	540.3	539.1	536.7	533.1	527.3	520.7	513.1
35°	551.8	553.4	554.1	553.8	554.2	553.6	552.0	547.9	541.8	534.9	527.5
32.5°	565.5	566.7	566.8	566.0	567.1	567.3	566.3	561.6	555.0	547.5	540.0
30°	579.6	580.6	580.8	579.9	581.2	581.4	580.5	575.1	568.4	560.4	552.8
27.5°	592.5	594.2	594.9	594.6	595.3	594.9	593.4	588.5	581.8	573.2	566.6
25°	604.3	606.9	608.5	609.0	609.0	607.9	605.5	600.9	594.5	587.6	580.2
22.5°	615.6	618.4	620.2	620.8	621.0	620.0	617.2	612.5	606.7	600.1	592.3
20°	626.1	629.2	631.0	631.7	631.4	630.2	627.2	622.7	617.1	610.5	603.0
17.5°	634.7	637.7	639.9	640.8	640.4	638.8	635.7	631.7	625.7	619.1	611.8
15°	642.8	646.2	648.2	648.8	648.6	646.7	643.3	639.1	634.0	626.8	619.1
12.5°	649.9	653.6	655.5	655.8	655.3	653.4	650.3	646.1	640.4	633.9	625.7
10°	655.7	659.1	660.9	660.8	660.7	659.0	655.4	651.3	646.3	639.7	631.2
7.5°	660.0	664.0	665.1	665.2	664.3	662.8	659.4	655.7	651.1	644.4	636.1
5°	664.2	667.8	668.9	667.9	667.0	665.7	663.3	659.9	655.0	648.1	639.3
2.5°	665.8	669.4	671.4	669.9	669.3	667.8	665.3	662.7	657.1	649.9	641.2
0°	666.7	670.0	671.3	670.8	669.5	668.0	665.8	661.9	656.9	650.3	641.9
-2.5°	665.3	668.4	669.0	668.0	667.2	666.0	664.6	661.4	655.8	648.5	639.4
-5°	663.1	665.3	665.6	664.4	663.9	663.6	662.1	658.9	653.7	645.8	635.7
-7.5°	660.3	662.9	662.5	661.4	661.3	660.8	659.9	656.6	650.8	642.6	633.1
-10°	656.9	659.3	659.9	658.7	659.3	658.3	656.9	653.0	646.7	638.4	628.8
-12.5°	652.1	654.6	655.8	655.9	656.1	655.1	652.6	648.3	642.5	634.5	626.0
-15°	647.0	649.8	650.9	651.2	651.4	650.3	647.6	643.1	637.1	630.4	622.0
-17.5°	640.5	643.8	645.0	645.3	645.0	643.7	640.7	636.7	630.9	624.2	616.2
-20°	632.6	635.8	636.9	637.0	636.7	635.5	632.7	628.9	623.0	615.9	609.0



REPORT NUMBER: P622904 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-11W-7040

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	622.4	624.6	626.1	626.4	626.4	625.3	622.5	618.2	612.3	606.2	599.1
-25°	610.4	612.8	614.2	614.5	614.7	613.5	610.6	606.4	600.6	594.4	588.2
-27.5°	597.8	601.1	602.8	603.3	602.8	601.1	597.8	593.1	588.8	582.9	575.0
-30°	583.7	586.3	587.9	588.5	587.9	586.3	583.7	580.2	575.1	568.5	561.1
-32.5°	568.4	571.4	573.1	573.7	573.4	572.0	569.5	565.2	559.4	553.0	545.9
-35°	548.0	551.3	553.3	554.1	553.9	552.3	549.4	545.4	540.8	534.4	526.2
-37.5°	528.9	531.7	533.4	534.0	533.8	532.5	530.2	526.7	521.2	514.5	507.2
-40°	503.8	506.7	508.0	507.6	508.3	507.2	504.2	499.5	494.4	489.4	483.7
-42.5°	472.2	475.2	476.7	476.8	476.9	475.7	473.0	469.2	466.3	461.6	454.3
-45°	447.6	450.3	452.0	452.7	452.4	451.0	448.5	445.0	440.5	434.7	427.9
-47.5°	421.4	423.6	424.8	425.0	425.0	423.9	421.7	418.2	413.8	408.8	402.8
-50°	392.8	395.0	396.3	396.3	396.3	395.0	392.6	389.3	384.7	378.2	370.8
-52.5°	341.5	343.1	342.6	340.0	342.2	342.1	339.8	335.2	328.3	323.8	321.6
-55°	289.6	291.5	292.4	292.5	291.9	290.5	288.3	285.1	281.4	281.6	277.7
-57.5°	260.1	261.2	261.7	261.2	261.5	260.9	259.7	257.8	253.3	247.3	240.8
-60°	207.3	208.5	208.6	207.7	208.6	208.5	207.3	204.9	201.2	200.5	199.4
-62.5°	177.6	178.8	179.5	179.6	179.5	178.7	177.4	175.5	172.8	170.0	166.5
-65°	133.2	132.6	130.6	127.7	129.7	130.8	130.7	128.9	125.2	121.9	121.9
-67.5°	94.1	95.4	96.0	96.0	95.7	94.8	93.3	91.2	88.5	87.1	87.5
-70°	65.4	66.3	67.0	67.1	67.0	66.2	65.1	63.8	62.6	61.6	59.9
-72.5°	32.5	32.5	32.2	31.5	32.0	32.0	31.8	31.5	31.2	31.0	31.1
-75°	18.6	18.7	18.7	18.7	18.7	18.6	18.5	18.3	18.1	17.9	17.8
-77.5°	13.6	13.7	13.7	13.7	13.7	13.6	13.5	13.4	13.2	13.0	12.8
-80°	9.5	9.5	9.5	9.5	9.5	9.5	9.4	9.3	9.2	9.1	9.0
-82.5°	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.8	5.8	5.7	5.6
-85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1
-87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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: P622904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-11W-7040

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°	2.0	1.8	1.7	1.6	1.5	1.4	1.3	1.1	1.0	0.9	0.8
77.5°	5.4	5.2	5.0	4.6	4.4	4.2	4.0	3.6	3.3	3.0	2.7
75°	10.4	10.1	9.8	9.3	8.9	8.5	8.1	7.5	6.9	6.2	5.5
72.5°	17.6	17.0	16.4	15.7	15.5	15.5	14.4	13.0	12.1	11.0	10.0
70°	27.7	27.6	27.2	26.3	26.6	27.0	26.7	25.7	23.7	20.3	16.7
67.5°	56.1	56.4	52.7	46.8	46.1	46.9	45.8	42.9	39.8	36.9	33.4
65°	103.6	104.6	96.3	86.7	89.6	89.1	79.5	74.8	72.6	60.8	54.3
62.5°	150.7	150.2	145.2	132.7	131.5	129.8	119.6	115.3	108.1	95.6	89.8
60°	207.2	195.8	183.4	183.4	183.0	174.6	163.5	156.1	144.8	134.8	122.7
57.5°	250.9	241.1	238.7	234.8	227.6	218.4	216.1	198.7	186.6	173.1	158.1
55°	308.3	308.9	302.5	284.8	269.5	262.2	254.7	247.4	237.6	206.3	196.0
52.5°	360.4	347.9	339.1	332.7	324.1	308.3	294.4	280.4	267.0	251.9	228.3
50°	392.2	386.1	378.1	365.6	351.3	343.2	332.7	317.4	298.1	277.7	261.2
47.5°	423.5	417.0	407.2	394.0	383.5	370.1	356.7	345.0	324.4	306.4	284.3
45°	447.8	439.7	428.1	418.1	407.2	394.0	381.4	363.6	347.7	328.3	308.6
42.5°	469.4	459.2	448.0	438.2	425.4	413.3	399.9	383.5	365.2	347.5	327.5
40°	488.8	477.2	466.9	454.2	442.7	430.5	414.0	398.9	382.1	363.3	344.5
37.5°	504.7	494.2	482.7	470.3	457.4	443.7	428.8	411.4	395.2	377.8	358.7
35°	519.5	508.3	496.9	484.1	471.2	457.6	441.2	424.3	406.4	389.0	371.0
32.5°	532.6	523.0	510.6	497.0	484.1	470.6	454.8	436.2	417.2	399.1	382.0
30°	545.5	536.9	525.0	510.9	497.3	483.4	467.5	448.8	428.0	409.3	392.0
27.5°	558.7	549.5	538.9	525.0	510.4	495.6	479.9	461.2	440.2	420.0	401.5
25°	571.7	562.3	550.5	537.5	522.4	507.1	491.3	472.9	452.9	431.1	410.5
22.5°	584.0	573.5	561.3	547.8	533.3	517.1	500.9	482.8	462.8	441.5	419.6
20°	594.1	583.5	570.9	557.3	542.6	526.6	509.7	491.2	471.3	450.9	428.3
17.5°	602.9	592.2	579.8	565.7	551.1	535.2	517.5	498.7	478.5	458.2	436.1
15°	610.6	600.2	587.5	573.8	559.1	542.6	524.9	505.8	484.5	464.0	442.6
12.5°	617.0	606.8	594.5	581.1	565.8	549.1	530.9	511.3	490.0	469.0	447.8
10°	622.2	611.9	600.2	586.5	571.4	555.0	535.9	516.3	495.5	473.8	452.0
7.5°	626.5	616.0	604.4	590.7	575.8	558.9	539.4	520.1	499.8	477.8	455.2
5°	629.6	618.9	607.0	593.7	578.8	561.6	541.9	522.4	502.8	480.8	457.6
2.5°	631.0	620.2	608.7	595.5	580.7	563.0	543.3	523.5	504.6	482.7	459.1
0°	631.0	620.3	609.3	596.1	581.3	563.4	543.4	523.6	505.3	483.6	459.5
-2.5°	629.0	618.9	608.4	595.7	580.5	562.3	542.7	523.8	505.5	483.7	459.7
-5°	626.0	616.6	606.5	594.4	578.4	560.0	540.9	523.1	504.7	482.7	458.9
-7.5°	623.5	614.0	603.9	591.5	575.1	556.3	538.3	521.5	502.9	480.5	457.1
-10°	620.7	611.7	601.6	588.2	570.9	551.8	535.0	519.0	500.0	477.1	454.4
-12.5°	617.3	608.9	598.2	584.1	566.8	549.1	532.1	515.6	495.8	472.8	451.5
-15°	613.2	604.5	593.4	578.9	562.2	545.4	529.0	511.6	490.8	468.1	448.4
-17.5°	608.2	598.4	586.5	572.7	557.2	540.5	524.2	506.7	484.3	462.9	443.7
-20°	600.8	590.3	578.0	564.4	550.4	534.6	518.2	499.8	476.9	456.9	437.7



REPORT NUMBER: P622904 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-11W-7040

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	591.1	580.4	567.7	554.9	540.6	526.5	511.5	490.4	469.4	450.3	430.5
-25°	579.4	568.4	556.6	543.3	530.7	517.5	501.1	479.6	460.8	442.1	421.9
-27.5°	565.8	555.8	543.2	531.9	520.4	505.8	487.2	469.1	451.4	432.6	412.5
-30°	552.0	541.2	530.7	520.9	507.4	491.2	473.0	457.0	440.0	422.2	403.4
-32.5°	535.8	526.3	517.0	505.9	491.9	474.3	459.4	443.8	426.2	410.7	391.8
-35°	518.1	510.0	500.4	487.5	472.4	459.2	444.7	426.7	409.2	395.3	376.5
-37.5°	500.8	491.0	477.8	464.6	454.4	442.7	424.2	405.5	391.5	375.8	358.1
-40°	475.1	463.1	452.2	443.4	433.3	417.1	398.4	384.8	371.1	356.0	337.7
-42.5°	444.5	436.1	429.3	419.7	405.6	389.0	374.7	363.2	350.4	334.5	316.6
-45°	420.3	412.2	403.7	391.9	379.2	365.9	352.9	341.5	327.8	312.5	292.0
-47.5°	395.2	386.8	377.6	367.0	354.6	341.2	328.1	318.1	304.8	285.9	262.7
-50°	363.1	356.9	348.8	334.7	318.5	306.4	300.2	293.0	274.2	251.3	234.0
-52.5°	318.5	310.3	296.1	285.0	279.7	277.2	270.5	255.1	233.6	220.2	211.9
-55°	271.0	261.5	254.2	253.9	251.5	243.3	225.9	210.4	204.1	197.3	186.2
-57.5°	234.6	230.7	227.9	218.6	206.8	195.6	190.8	186.5	178.5	163.8	152.0
-60°	195.5	189.3	180.2	174.1	172.1	170.3	165.5	152.9	139.0	131.8	125.4
-62.5°	160.7	155.4	151.6	149.5	144.4	135.6	127.4	120.3	113.6	105.6	98.3
-65°	121.5	120.0	117.8	114.6	109.6	104.5	98.5	91.5	84.7	78.0	74.3
-67.5°	87.0	86.4	84.5	80.0	74.1	70.2	68.5	65.6	63.2	55.6	49.4
-70°	56.9	54.6	53.2	52.1	50.6	48.5	44.6	40.8	38.5	37.0	35.2
-72.5°	30.7	29.8	28.9	27.1	24.9	25.3	25.8	25.5	23.4	20.3	17.5
-75°	17.4	17.0	16.6	16.2	16.0	15.9	15.0	13.9	13.3	12.5	12.1
-77.5°	12.6	12.4	12.1	11.8	11.4	11.1	10.7	10.2	9.7	9.2	8.6
-80°	8.8	8.6	8.4	8.1	7.8	7.5	7.2	6.8	6.5	6.1	5.7
-82.5°	5.5	5.4	5.2	5.1	4.9	4.7	4.5	4.2	4.0	3.8	3.5
-85°	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.3	2.2	2.1	1.9
-87.5°	1.4	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: P622904 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-11W-7040

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	1.6	1.1	0.8	0.5	0.4	0.4	0.3	0.3	0.2
75°	4.8	4.2	3.7	3.1	2.5	1.7	1.0	0.8	0.6	0.4	0.4
72.5°	8.7	7.5	6.4	5.2	4.5	3.6	2.6	1.7	1.1	0.7	0.5
70°	15.5	13.1	10.3	8.6	7.0	5.5	4.3	3.2	2.1	1.3	0.8
67.5°	29.2	24.2	19.6	14.6	10.5	8.2	6.3	4.7	3.4	2.2	1.3
65°	48.5	40.4	34.1	27.0	19.1	12.6	9.0	6.6	4.8	3.3	2.0
62.5°	74.3	65.0	52.9	42.2	33.3	22.7	13.8	9.0	6.4	4.4	2.9
60°	107.7	94.3	78.8	65.2	47.6	35.8	23.9	13.2	8.5	5.8	3.8
57.5°	143.6	125.3	108.1	89.5	70.8	49.5	35.8	22.4	11.0	7.5	4.9
55°	177.8	160.0	138.8	116.7	91.7	69.3	48.3	33.1	18.6	9.4	6.1
52.5°	210.5	192.4	171.9	144.3	114.8	88.9	63.8	43.8	27.7	11.7	7.6
50°	239.8	220.8	201.8	172.1	139.3	108.6	81.7	56.2	37.1	19.7	9.3
47.5°	265.9	244.5	226.0	196.7	162.9	129.4	98.4	70.4	46.2	27.7	11.8
45°	287.1	266.8	242.3	218.7	185.6	149.9	115.7	84.8	57.6	35.6	16.5
42.5°	306.5	285.9	259.2	233.3	204.8	169.8	132.9	99.2	68.8	43.3	23.1
40°	323.3	300.6	276.0	247.1	221.6	187.1	150.0	113.4	79.2	51.3	29.4
37.5°	338.7	315.0	290.2	261.7	233.3	203.0	165.7	127.0	91.2	60.2	35.4
35°	351.6	329.2	303.3	275.5	244.5	217.4	179.5	140.2	102.7	68.5	41.1
32.5°	363.4	341.3	315.5	287.8	256.1	226.7	191.6	153.6	113.5	76.2	46.6
30°	373.4	352.9	327.3	298.9	267.0	235.2	204.2	165.0	123.6	84.2	52.0
27.5°	382.7	362.6	337.6	308.9	277.4	243.5	214.9	175.4	133.0	92.4	57.9
25°	390.9	370.1	347.2	318.2	287.1	252.5	221.9	184.5	142.2	100.0	63.3
22.5°	398.5	377.3	355.7	326.5	295.7	261.3	228.4	192.7	150.8	107.1	68.2
20°	405.9	384.7	362.5	334.8	303.5	269.3	234.1	200.3	158.5	113.6	72.7
17.5°	412.8	390.3	367.4	341.9	310.6	276.5	239.6	206.9	164.9	119.3	76.7
15°	419.1	395.9	372.0	347.5	316.7	282.6	245.0	211.9	170.6	124.3	80.2
12.5°	424.1	400.9	377.2	352.1	321.7	287.3	249.8	215.4	175.4	128.5	83.5
10°	427.9	405.0	381.6	355.4	325.7	291.0	253.8	218.2	179.1	132.0	86.6
7.5°	430.7	408.2	384.8	357.8	328.8	293.8	256.9	220.4	181.9	134.8	89.0
5°	432.6	410.5	387.0	359.4	331.0	295.7	259.2	221.9	183.9	136.9	90.8
2.5°	433.6	412.0	388.5	360.2	332.2	296.7	260.6	222.7	185.1	138.2	91.9
0°	433.6	412.5	389.1	360.2	332.6	296.9	261.1	222.8	185.6	138.8	92.5
-2.5°	434.7	413.2	389.6	361.4	333.7	298.1	261.9	223.4	186.2	139.5	93.1
-5°	434.8	413.0	389.2	361.8	333.9	298.4	261.7	223.3	186.1	139.6	93.0
-7.5°	434.2	411.9	388.1	361.5	333.2	297.8	260.6	222.4	185.4	138.9	92.3
-10°	432.8	409.7	386.2	360.5	331.5	296.1	258.6	220.9	183.9	137.5	91.0
-12.5°	430.6	406.6	383.7	358.9	328.9	293.3	255.8	218.6	181.7	135.4	89.0
-15°	427.2	402.7	380.6	356.1	325.3	289.6	252.3	215.6	178.5	132.6	86.5
-17.5°	421.9	398.2	376.8	352.3	320.8	285.2	248.1	211.8	174.8	129.1	83.6
-20°	415.1	393.5	372.7	346.9	315.3	280.0	242.8	207.4	170.6	124.6	79.9

Classified

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

Scaled Data Report



REPORT NUMBER: P622904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-11W-7040

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	408.0	387.4	366.3	340.2	308.6	273.1	236.3	202.3	164.4	119.2	75.6
-25°	400.9	379.6	357.4	330.1	299.5	265.3	229.3	196.5	157.0	113.0	71.2
-27.5°	392.7	370.3	346.4	318.8	288.1	257.7	222.2	190.0	149.2	106.3	66.6
-30°	381.6	359.3	333.5	305.6	276.0	246.1	214.6	183.0	141.6	98.7	61.6
-32.5°	368.9	345.4	319.4	289.8	263.1	232.8	205.3	174.9	133.1	90.6	56.6
-35°	353.9	329.6	302.8	275.4	250.6	221.1	194.3	162.5	122.8	81.9	51.3
-37.5°	336.3	311.7	284.1	261.0	234.8	208.7	182.5	148.8	111.8	73.3	46.2
-40°	316.9	290.6	267.3	246.5	220.2	195.3	167.6	135.5	100.0	65.3	41.5
-42.5°	293.3	270.3	251.9	228.2	205.1	180.5	149.3	120.0	86.3	57.5	36.6
-45°	268.5	252.4	233.9	211.8	189.0	162.1	134.5	104.0	73.4	49.5	31.4
-47.5°	245.1	232.3	214.8	193.5	169.7	141.7	116.8	87.7	62.3	43.5	26.9
-50°	223.8	209.6	193.6	172.8	145.9	124.7	98.5	72.3	52.7	36.6	23.3
-52.5°	200.0	183.8	169.3	146.7	127.4	104.5	79.9	60.1	43.5	29.5	20.0
-55°	169.9	157.7	140.5	125.4	105.9	84.1	64.7	49.8	34.6	24.9	16.5
-57.5°	142.8	129.0	117.4	102.4	83.9	66.1	53.1	37.8	27.0	20.4	12.8
-60°	114.9	105.2	93.0	78.8	64.4	53.6	39.7	28.4	22.0	15.9	8.9
-62.5°	89.5	81.2	68.8	59.0	52.0	38.5	28.0	22.3	17.3	11.4	5.0
-65°	66.3	56.7	51.1	46.7	33.4	25.6	21.2	17.2	12.5	7.0	4.1
-67.5°	45.7	42.7	35.3	26.8	21.9	19.1	16.0	12.3	7.8	4.7	3.3
-70°	29.4	23.8	19.8	18.3	16.4	14.1	11.0	7.4	5.0	3.7	2.5
-72.5°	16.0	15.5	14.6	13.2	11.5	9.1	6.2	5.0	3.8	2.7	1.8
-75°	11.7	11.1	10.0	8.6	6.7	5.8	4.7	3.7	2.8	2.0	1.4
-77.5°	7.9	6.9	6.2	5.5	4.8	4.1	3.3	2.6	1.9	1.4	1.0
-80°	5.2	4.7	4.2	3.7	3.2	2.8	2.2	1.7	1.3	1.0	0.7
-82.5°	3.2	2.9	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.7	0.5
-85°	1.8	1.6	1.4	1.3	1.1	1.0	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: P622904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-11W-7040

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°	0.8	0.5	0.3	0.2	0.2	0.1	0.0
65°	1.1	0.6	0.3	0.2	0.2	0.1	0.0
62.5°	1.6	0.9	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°	3.8	2.0	0.9	0.4	0.2	0.1	0.0
52.5°	4.5	2.5	1.1	0.4	0.2	0.1	0.0
50°	5.5	3.1	1.4	0.5	0.2	0.2	0.0
47.5°	6.5	3.7	1.7	0.6	0.2	0.2	0.0
45°	8.0	4.3	2.0	0.7	0.3	0.2	0.0
42.5°	9.5	4.9	2.4	0.8	0.3	0.2	0.0
40°	12.0	5.5	2.8	1.0	0.3	0.2	0.0
37.5°	14.7	6.1	3.1	1.1	0.3	0.2	0.0
35°	18.8	7.1	3.5	1.2	0.3	0.2	0.0
32.5°	23.4	8.3	3.9	1.4	0.4	0.2	0.0
30°	27.7	9.5	4.2	1.6	0.4	0.2	0.0
27.5°	31.7	10.9	4.5	1.7	0.4	0.2	0.0
25°	35.4	12.9	4.8	1.9	0.5	0.2	0.0
22.5°	38.7	15.0	5.1	2.0	0.5	0.2	0.0
20°	41.8	16.9	5.4	2.2	0.5	0.2	0.0
17.5°	44.7	18.8	5.7	2.3	0.5	0.2	0.0
15°	47.2	20.7	5.9	2.4	0.5	0.2	0.0
12.5°	49.4	22.5	6.1	2.6	0.6	0.2	0.0
10°	51.3	24.1	6.2	2.6	0.6	0.2	0.0
7.5°	52.8	25.4	6.3	2.7	0.6	0.2	0.0
5°	54.0	26.5	6.4	2.8	0.6	0.2	0.0
2.5°	54.9	27.2	6.5	2.8	0.6	0.2	0.0
0°	55.4	27.7	6.5	2.8	0.6	0.2	0.0
-2.5°	55.6	27.9	6.8	2.9	0.6	0.2	0.0
-5°	55.4	27.7	7.1	2.9	0.6	0.2	0.0
-7.5°	54.9	27.4	7.3	2.9	0.6	0.2	0.0
-10°	54.1	26.7	7.4	2.8	0.6	0.2	0.0
-12.5°	52.8	25.8	7.5	2.8	0.6	0.2	0.0
-15°	51.3	24.7	7.5	2.7	0.6	0.2	0.0
-17.5°	49.3	23.4	7.5	2.6	0.6	0.2	0.0
-20°	47.0	22.0	7.4	2.5	0.6	0.2	0.0

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REPORT NUMBER: P622904 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-11W-7040

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	44.5	20.4	7.1	2.4	0.6	0.2	0.0
-25°	42.0	18.7	6.8	2.3	0.6	0.2	0.0
-27.5°	39.2	16.8	6.4	2.2	0.6	0.2	0.0
-30°	36.1	15.5	5.9	2.0	0.5	0.2	0.0
-32.5°	32.8	14.3	5.3	1.9	0.5	0.2	0.0
-35°	29.2	12.9	4.6	1.7	0.5	0.2	0.0
-37.5°	25.7	11.6	4.0	1.5	0.4	0.2	0.0
-40°	22.7	10.5	3.6	1.4	0.4	0.2	0.0
-42.5°	19.7	9.1	3.3	1.3	0.4	0.2	0.0
-45°	17.4	7.7	2.9	1.1	0.4	0.2	0.0
-47.5°	15.0	6.1	2.6	1.0	0.4	0.2	0.0
-50°	12.6	4.4	2.3	0.9	0.3	0.2	0.0
-52.5°	10.1	3.9	1.9	0.8	0.3	0.2	0.0
-55°	7.5	3.3	1.6	0.7	0.3	0.2	0.0
-57.5°	4.7	2.8	1.4	0.6	0.3	0.2	0.0
-60°	4.0	2.3	1.1	0.5	0.3	0.2	0.0
-62.5°	3.3	1.9	1.0	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	0.7	0.4	0.3	0.1	0.0
-70°	1.5	1.0	0.6	0.3	0.2	0.1	0.0
-72.5°	1.2	0.8	0.5	0.3	0.2	0.1	0.0
-75°	0.9	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)