

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: P622911 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF25-XX-PC-22W-7050**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622911 (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-22W-7050
Description: Flood light with selectable wattage and CCT
Light Source: (1) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

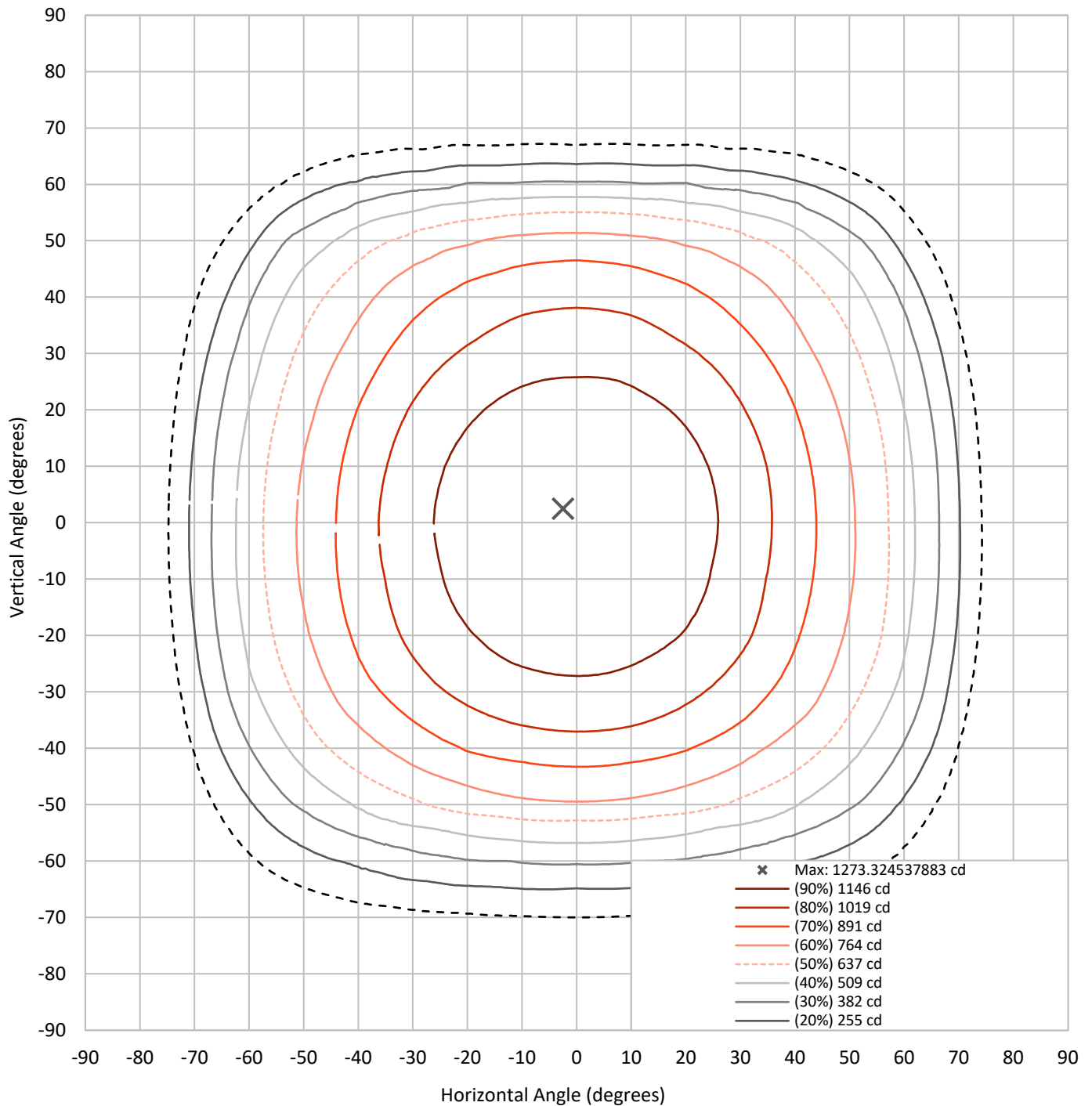
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	3368.9 lumens	Max Intensity:	1273.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	147.1 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:	2744.8 lumens	Field Lumens:	3322 lumens
Beam Efficiency:	81.5%	Field Efficiency:	98.6%
Input Watts (W):	22.9		
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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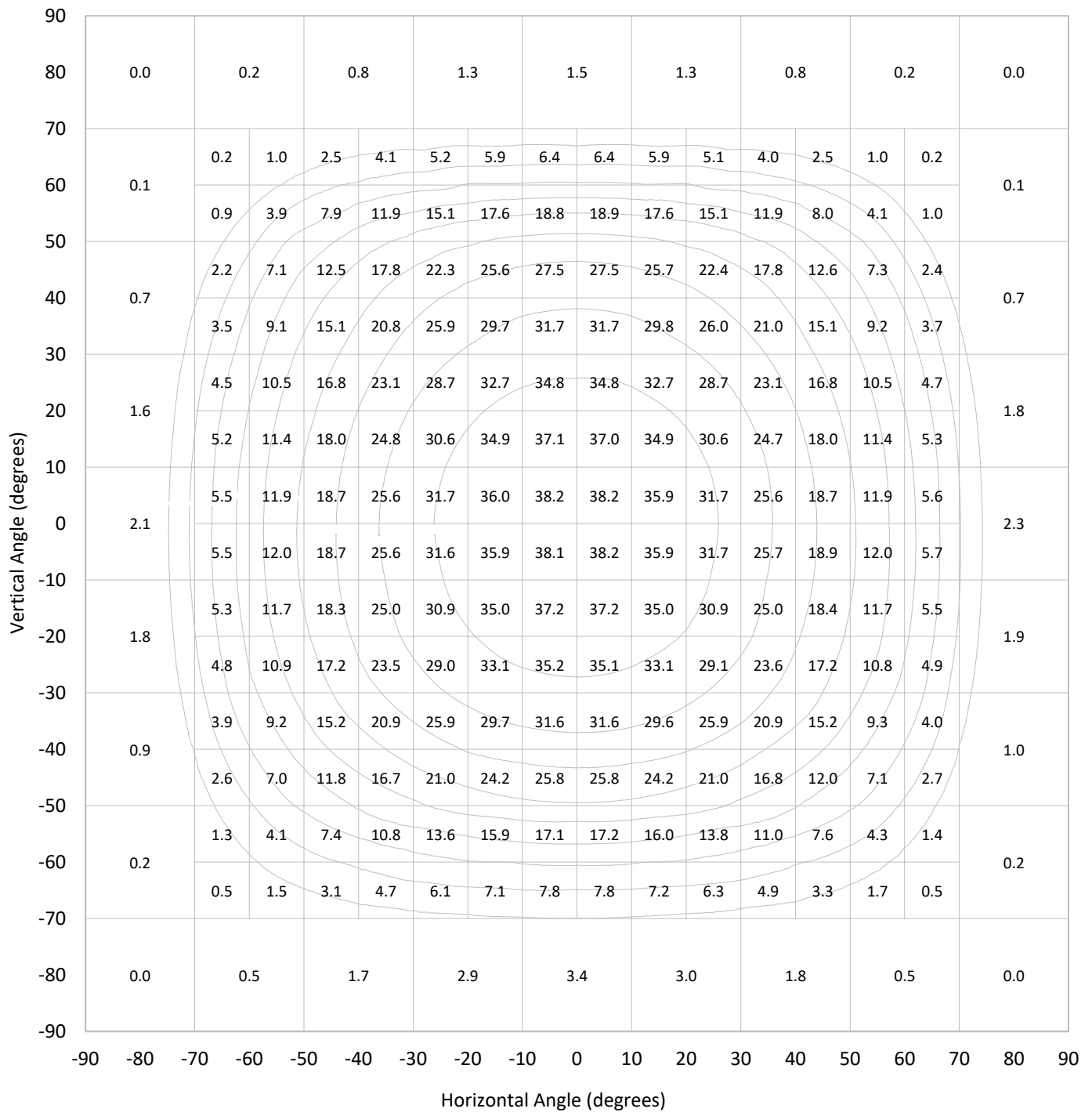
Iso-Candela Plot





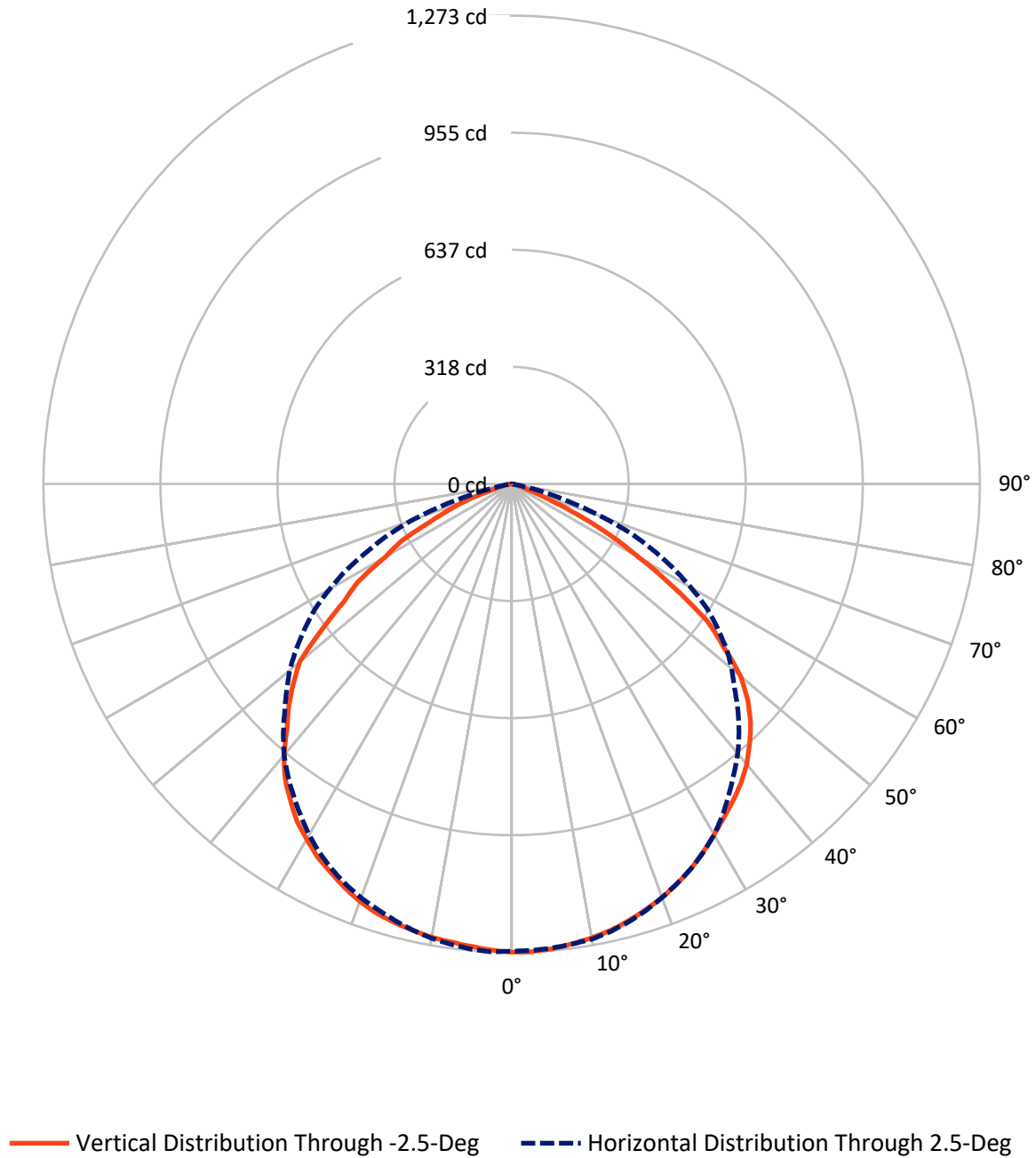
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Lumen Table



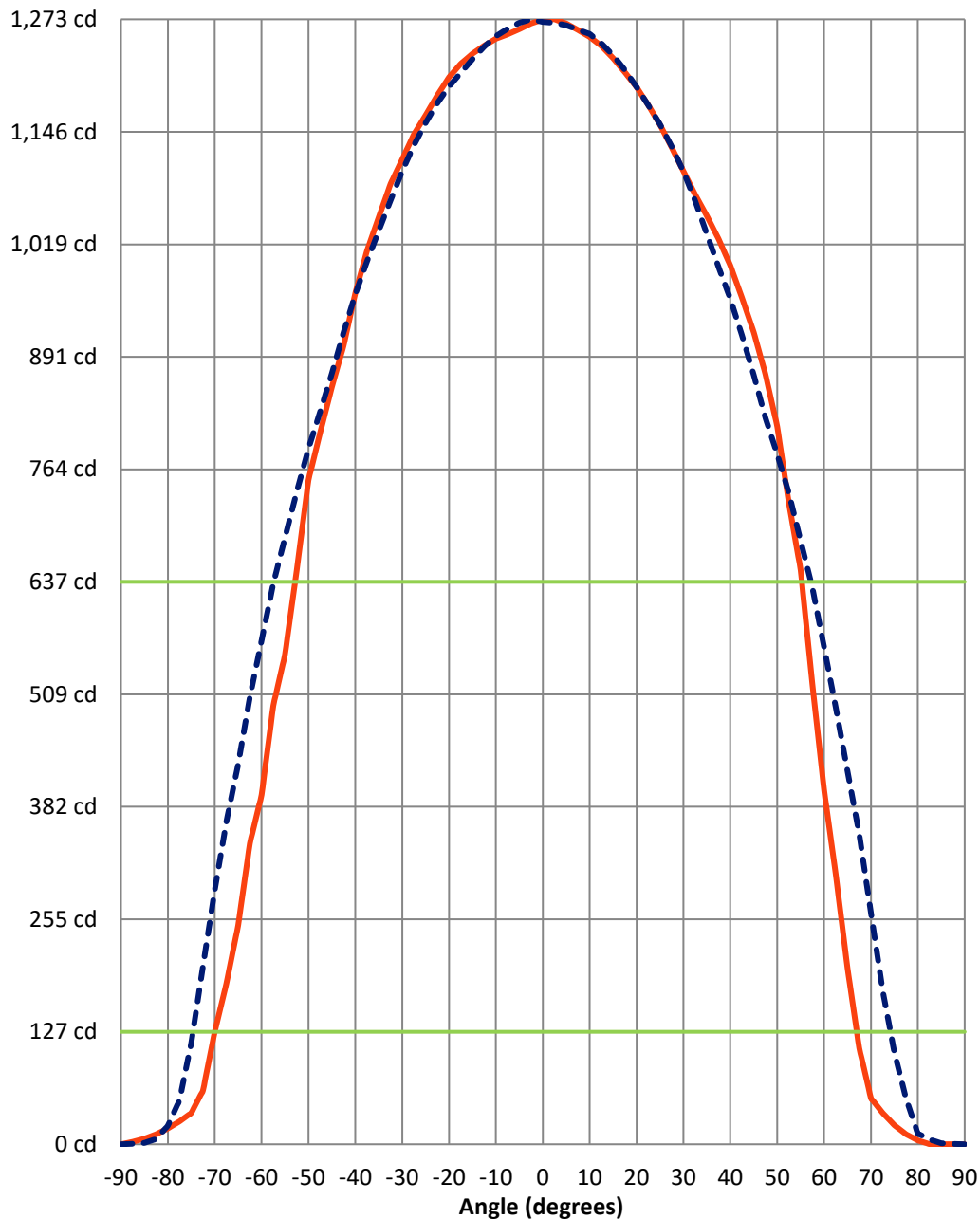
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 114.6°
 V Angle: 108.1°
 Lumens: 2744.8
 Efficiency: 81.5%

Field:
 H Angle: 148.8°
 V Angle: 137°
 Lumens: 3322
 Efficiency: 98.6%

Spill:
 Lumens: 46.9
 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	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2
82.5°	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	0.0	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5
77.5°	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8
75°	0.0	0.2	0.4	0.4	0.4	0.5	0.6	0.7	0.9	1.3	1.7
72.5°	0.0	0.3	0.4	0.4	0.5	0.6	0.8	1.1	1.6	2.3	3.5
70°	0.0	0.3	0.4	0.5	0.6	0.8	1.1	1.7	2.7	4.4	6.4
67.5°	0.0	0.4	0.4	0.5	0.7	1.0	1.7	2.7	4.6	6.9	9.3
65°	0.0	0.4	0.5	0.6	0.8	1.4	2.4	4.2	6.8	9.6	12.8
62.5°	0.0	0.4	0.5	0.6	1.0	1.9	3.3	6.1	9.1	12.7	17.1
60°	0.0	0.4	0.5	0.7	1.2	2.5	4.8	8.1	11.8	16.4	24.8
57.5°	0.0	0.4	0.5	0.8	1.6	3.3	6.3	10.2	14.9	20.6	44.5
55°	0.0	0.4	0.5	0.9	2.0	4.2	8.0	12.7	18.3	37.2	68.1
52.5°	0.0	0.4	0.6	1.1	2.5	5.4	9.7	15.9	22.2	57.8	91.5
50°	0.0	0.4	0.6	1.3	3.1	6.6	12.4	19.3	40.6	78.9	122.6
47.5°	0.0	0.4	0.7	1.4	3.7	7.8	15.3	23.1	59.1	99.8	150.3
45°	0.0	0.5	0.7	1.7	4.3	9.0	18.6	32.4	76.7	127.4	177.7
42.5°	0.0	0.5	0.7	2.0	5.1	10.9	21.9	46.3	93.9	152.5	206.4
40°	0.0	0.5	0.8	2.3	5.9	13.5	25.5	59.8	112.5	175.7	234.8
37.5°	0.0	0.5	0.8	2.5	6.6	16.1	29.2	72.8	133.9	197.5	260.1
35°	0.0	0.5	0.9	2.9	7.4	18.9	36.3	85.9	152.9	217.8	282.7
32.5°	0.0	0.5	1.0	3.2	8.2	21.6	44.9	99.1	169.7	236.6	304.0
30°	0.0	0.5	1.1	3.5	8.9	24.4	52.6	112.4	185.6	255.1	326.3
27.5°	0.0	0.5	1.1	3.8	9.6	27.1	60.8	127.0	200.6	272.9	347.1
25°	0.0	0.5	1.2	4.1	10.5	29.8	68.6	140.6	214.4	288.7	361.0
22.5°	0.0	0.5	1.3	4.4	12.2	32.5	75.6	152.5	226.8	302.9	373.6
20°	0.0	0.5	1.3	4.7	13.7	35.0	82.4	162.3	238.1	316.0	386.4
17.5°	0.0	0.5	1.4	5.0	15.2	37.4	89.5	171.2	248.2	328.5	397.6
15°	0.0	0.5	1.4	5.2	16.5	40.2	95.9	178.9	258.1	339.4	406.8
12.5°	0.0	0.5	1.5	5.5	17.8	43.1	101.4	185.7	266.6	348.6	414.0
10°	0.0	0.5	1.5	5.7	18.8	45.5	106.1	191.4	273.8	354.9	419.9
7.5°	0.0	0.5	1.5	5.8	19.7	47.5	110.0	195.9	279.7	359.5	424.6
5°	0.0	0.5	1.6	5.9	20.5	49.0	112.9	199.4	284.2	363.0	428.0
2.5°	0.0	0.5	1.6	6.0	21.4	50.9	115.9	202.8	288.9	366.4	431.0
0°	0.0	0.5	1.6	6.0	21.4	50.9	115.9	202.8	288.9	366.4	431.0
-2.5°	0.0	0.6	1.6	6.1	21.5	51.4	116.0	202.9	289.2	367.2	432.0
-5°	0.0	0.6	1.6	6.1	21.4	51.5	115.1	201.9	287.9	366.9	431.7
-7.5°	0.0	0.6	1.6	6.0	21.1	51.2	113.2	199.7	285.2	365.4	430.0
-10°	0.0	0.6	1.6	5.9	20.6	50.5	110.6	196.3	280.9	362.7	426.9
-12.5°	0.0	0.6	1.6	5.8	19.9	49.4	107.0	191.8	275.2	358.5	422.5
-15°	0.0	0.6	1.6	5.7	19.0	47.9	102.7	186.2	267.9	352.1	416.6
-17.5°	0.0	0.6	1.6	5.5	17.8	46.1	97.7	179.4	259.1	344.6	409.8
-20°	0.0	0.6	1.5	5.3	16.6	44.2	91.9	171.5	250.1	336.0	402.0

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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	0.6	1.5	5.0	15.1	41.8	86.5	162.4	240.0	324.5	393.2
-25°	0.0	0.6	1.4	4.8	13.4	39.0	80.9	151.7	228.6	310.7	382.3
-27.5°	0.0	0.5	1.4	4.6	12.4	35.8	74.6	139.7	215.9	294.8	370.2
-30°	0.0	0.5	1.3	4.3	11.4	32.9	67.9	126.7	201.9	276.8	355.6
-32.5°	0.0	0.5	1.2	4.0	10.4	30.1	62.4	115.3	186.6	258.0	338.8
-35°	0.0	0.5	1.2	3.7	9.1	27.1	56.3	104.2	170.2	239.8	315.5
-37.5°	0.0	0.5	1.1	3.4	8.0	23.9	49.9	93.1	152.3	220.1	287.3
-40°	0.0	0.5	1.0	3.1	7.3	20.6	43.5	82.1	133.3	199.1	259.1
-42.5°	0.0	0.5	1.0	2.8	6.6	17.1	36.4	71.2	117.4	175.5	233.0
-45°	0.0	0.5	1.0	2.5	5.9	14.2	32.0	61.0	103.2	151.2	205.9
-47.5°	0.0	0.5	0.9	2.2	5.3	11.5	27.5	50.7	88.2	127.1	178.1
-50°	0.0	0.5	0.8	2.0	4.6	8.7	22.8	40.4	72.6	109.1	150.2
-52.5°	0.0	0.5	0.8	1.8	4.0	7.6	17.9	33.5	58.1	89.8	124.0
-55°	0.0	0.5	0.7	1.6	3.5	6.5	13.6	27.7	44.4	71.4	102.9
-57.5°	0.0	0.5	0.7	1.3	3.0	5.6	9.2	21.8	34.3	55.3	79.8
-60°	0.0	0.4	0.7	1.2	2.4	4.6	7.7	15.7	27.3	39.1	61.8
-62.5°	0.0	0.4	0.6	1.1	2.1	3.8	6.3	9.7	20.5	30.4	43.6
-65°	0.0	0.4	0.6	1.0	1.7	3.1	5.1	7.9	13.8	23.0	31.6
-67.5°	0.0	0.4	0.6	0.8	1.4	2.5	4.1	6.3	9.5	15.8	23.5
-70°	0.0	0.4	0.5	0.8	1.2	2.0	3.1	4.9	7.1	10.5	16.0
-72.5°	0.0	0.3	0.5	0.7	1.0	1.5	2.4	3.7	5.4	7.5	10.4
-75°	0.0	0.3	0.5	0.6	0.9	1.2	1.8	2.8	4.0	5.6	7.3
-77.5°	0.0	0.2	0.4	0.6	0.7	1.0	1.3	2.0	2.9	4.0	5.3
-80°	0.0	0.2	0.4	0.5	0.6	0.8	1.0	1.4	2.1	2.8	3.6
-82.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	1.1	1.5	1.9	2.4
-85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.2	1.5
-87.5°	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.6	0.7	0.9
-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-22W-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	0.5	0.5	0.6	0.7	0.8	1.1	1.3	1.5	1.8	2.0	2.2
77.5°	1.0	1.3	1.7	2.3	3.1	3.8	4.5	5.2	5.8	6.4	7.0
75°	2.3	3.5	4.8	5.9	7.0	7.9	8.9	10.4	11.7	13.1	14.2
72.5°	5.2	6.9	8.3	9.7	11.7	13.8	16.0	18.4	20.4	22.4	24.2
70°	8.3	10.3	12.8	15.6	18.5	23.5	28.2	30.7	38.4	45.3	49.4
67.5°	11.9	15.1	18.8	25.9	35.4	44.8	55.2	65.5	71.9	76.9	82.5
65°	16.7	22.7	33.8	49.7	64.1	81.4	92.3	103.2	116.3	129.3	137.1
62.5°	25.6	42.6	62.1	83.0	103.3	118.0	139.1	165.4	178.4	210.5	221.1
60°	46.4	69.7	97.1	119.7	142.1	180.9	209.2	243.2	260.0	268.5	291.0
57.5°	71.9	103.1	130.8	160.0	215.2	250.5	287.1	303.5	325.7	355.7	374.4
55°	101.1	135.9	169.2	237.2	281.7	320.5	343.7	375.2	392.2	445.0	474.5
52.5°	134.1	170.3	234.0	294.6	347.5	375.8	403.0	433.7	481.9	511.7	533.4
50°	163.5	219.6	283.7	348.8	399.4	423.2	457.8	503.5	532.0	570.0	606.2
47.5°	198.1	264.2	328.8	390.0	433.6	469.5	512.7	546.0	588.6	619.0	652.5
45°	237.9	302.0	369.8	419.5	465.5	515.1	552.9	594.6	625.7	659.9	688.4
42.5°	271.0	339.5	397.8	445.4	500.1	551.0	592.1	625.7	660.2	691.7	727.3
40°	300.0	368.6	422.7	476.1	530.3	580.2	621.1	654.6	688.5	724.3	756.2
37.5°	328.9	391.5	445.4	503.8	556.8	605.9	643.7	680.3	715.6	749.0	783.9
35°	353.8	413.2	470.4	527.2	581.7	627.1	666.5	702.7	736.6	773.1	811.8
32.5°	370.7	430.6	492.4	548.1	604.2	646.9	687.2	723.2	757.5	797.6	833.8
30°	389.9	450.1	510.5	569.3	622.6	666.0	706.7	743.3	779.8	817.4	855.3
27.5°	408.1	467.7	526.5	588.8	638.7	683.0	724.6	762.1	800.6	838.4	875.6
25°	422.4	485.6	541.4	605.8	653.8	699.5	741.6	780.2	819.6	858.9	895.7
22.5°	436.5	500.8	560.5	620.2	667.7	714.8	756.4	796.2	837.5	878.3	915.0
20°	450.0	514.4	577.1	633.0	680.1	728.7	769.4	810.9	854.0	894.7	931.0
17.5°	462.2	526.8	591.2	645.3	693.8	741.1	780.6	824.2	869.0	909.6	945.9
15°	474.0	537.8	602.8	656.5	705.9	752.3	792.8	836.3	881.6	921.1	959.0
12.5°	484.7	547.7	612.5	665.9	715.8	762.3	803.9	848.2	892.4	931.6	969.7
10°	493.5	556.1	620.8	673.4	724.0	770.9	813.3	857.5	901.9	942.3	979.9
7.5°	499.1	562.6	626.9	679.4	730.4	777.9	820.6	864.7	909.6	950.9	988.7
5°	503.3	567.3	631.5	683.9	735.2	783.4	825.9	869.7	915.2	957.5	995.3
2.5°	506.1	570.2	634.6	686.8	738.4	787.5	829.4	872.7	919.1	962.1	999.5
0°	507.5	571.4	636.1	688.3	739.9	789.9	831.1	873.6	920.9	964.5	1001.7
-2.5°	508.8	572.6	636.5	689.1	740.5	790.1	832.6	875.3	921.4	964.2	1001.1
-5°	508.7	572.1	635.2	688.4	739.5	788.6	832.3	875.0	919.8	961.8	998.5
-7.5°	507.3	569.9	632.5	685.9	737.0	785.3	830.3	872.8	916.2	957.5	993.8
-10°	504.4	566.0	628.2	681.7	733.1	780.3	826.3	868.7	911.3	951.4	987.2
-12.5°	498.4	560.4	622.4	675.6	727.7	773.4	820.2	863.1	905.1	943.7	979.7
-15°	490.7	553.4	615.6	668.2	720.9	764.8	811.7	855.9	897.1	935.0	971.0
-17.5°	481.8	545.8	607.3	659.3	711.1	755.4	800.0	845.3	887.2	924.7	960.3
-20°	470.6	537.1	596.5	648.9	699.1	746.0	787.0	831.9	874.9	912.8	947.7



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	456.2	526.7	583.6	637.6	683.6	733.2	773.1	816.2	859.4	899.9	933.8
-25°	441.6	514.8	568.0	623.3	667.3	716.5	758.8	798.1	840.0	883.6	917.4
-27.5°	427.5	500.3	550.1	604.6	650.1	696.2	742.9	780.1	819.4	861.0	898.8
-30°	413.7	476.2	530.6	581.3	632.0	673.8	721.1	762.2	797.4	834.8	871.7
-32.5°	397.3	447.5	508.9	554.6	609.7	651.7	695.5	740.3	775.5	807.1	842.1
-35°	376.4	425.1	483.7	529.8	580.6	629.3	668.0	711.6	747.8	776.1	811.1
-37.5°	353.2	402.4	451.2	503.6	546.9	599.6	642.1	676.7	711.9	743.2	772.6
-40°	324.9	377.4	423.2	473.4	515.6	562.2	610.6	642.2	673.9	705.0	733.2
-42.5°	290.2	349.3	395.2	437.3	483.7	523.0	568.7	607.5	635.3	664.3	691.6
-45°	257.9	315.2	364.4	407.8	447.0	485.4	519.9	564.8	597.6	622.6	648.1
-47.5°	227.5	275.1	329.5	372.5	412.8	443.3	472.0	508.7	551.9	581.8	603.2
-50°	196.5	240.6	284.3	334.4	372.3	403.7	428.3	450.9	486.6	529.3	559.6
-52.5°	165.0	206.6	245.6	286.3	327.4	355.2	387.1	407.2	424.0	451.9	493.8
-55°	135.4	172.2	208.9	242.7	275.4	306.4	330.0	362.9	382.0	393.1	406.4
-57.5°	109.9	139.5	171.8	202.6	229.0	255.1	279.2	296.8	321.3	349.6	360.9
-60°	84.4	111.5	137.1	162.3	185.2	207.5	230.0	248.0	258.7	274.0	301.3
-62.5°	63.6	83.3	107.9	126.1	143.5	163.0	178.3	197.7	216.8	225.3	234.0
-65°	43.7	61.7	76.4	94.7	108.5	120.3	135.4	148.2	157.2	172.1	186.5
-67.5°	30.6	39.5	55.3	63.2	75.0	87.6	96.4	103.9	113.6	125.9	131.2
-70°	22.4	27.9	34.1	40.9	47.8	53.6	62.0	71.2	76.1	79.7	83.6
-72.5°	14.8	20.2	24.1	26.5	29.6	32.2	34.6	36.8	41.9	47.6	50.8
-75°	9.3	12.9	16.3	18.8	20.7	22.1	23.0	23.5	24.1	25.9	27.4
-77.5°	6.7	8.3	9.7	11.3	13.4	14.8	16.1	16.8	17.8	18.8	19.7
-80°	4.6	5.7	6.6	7.5	8.4	9.4	10.3	11.1	11.9	12.7	13.3
-82.5°	3.1	3.7	4.2	4.8	5.4	5.9	6.5	7.1	7.6	8.0	8.4
-85°	1.9	2.3	2.5	2.8	3.1	3.4	3.7	4.0	4.2	4.4	4.6
-87.5°	1.0	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
-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: P622911 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-22W-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
82.5°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	2.5	2.8	2.9	3.1	3.3	3.6	3.8	4.0	4.1	4.2	4.4
77.5°	7.6	8.2	8.6	9.1	9.7	10.1	10.4	10.6	10.7	11.0	11.2
75°	15.3	16.2	16.9	17.8	18.7	19.4	19.9	20.3	20.5	21.0	21.3
72.5°	27.1	29.4	29.5	29.7	30.9	31.9	32.8	33.4	33.7	34.3	34.9
70°	50.8	49.7	47.6	47.2	49.8	51.3	51.8	51.7	51.6	52.1	53.0
67.5°	85.7	85.4	85.5	88.3	99.5	106.0	105.3	102.6	101.0	104.4	110.5
65°	150.5	171.2	169.4	162.4	180.1	195.3	194.0	192.0	191.2	195.1	200.0
62.5°	223.5	240.3	245.3	246.8	269.8	280.4	284.1	286.6	286.2	287.7	294.2
60°	309.2	327.4	342.5	344.3	344.4	368.2	391.4	394.5	392.3	390.3	396.4
57.5°	405.0	415.0	429.2	443.7	454.7	458.4	475.8	499.8	507.7	504.4	511.6
55°	484.4	498.9	513.0	539.1	572.2	588.8	586.2	588.0	605.7	626.9	633.7
52.5°	562.0	585.6	614.4	632.0	643.1	657.9	680.9	694.5	701.7	705.2	712.3
50°	629.0	651.4	665.5	690.3	716.7	733.4	744.6	763.2	777.4	791.9	799.4
47.5°	676.2	699.5	727.9	746.9	774.8	793.0	805.6	818.6	837.6	850.5	857.4
45°	722.4	746.3	774.6	796.0	814.7	838.5	855.9	868.2	878.7	892.6	903.4
42.5°	756.4	788.3	813.1	837.2	858.2	875.3	895.3	909.4	922.3	931.7	942.2
40°	789.9	825.7	847.9	869.7	892.3	910.2	933.7	945.1	957.6	968.2	979.6
37.5°	821.1	851.1	876.9	898.3	922.0	940.6	963.1	977.6	988.8	1000.8	1011.0
35°	844.9	875.4	900.1	922.8	946.6	968.8	987.8	1002.2	1014.3	1027.1	1038.8
32.5°	867.9	896.8	921.5	946.2	971.0	992.6	1009.2	1022.8	1037.1	1051.4	1063.8
30°	889.1	918.2	945.1	970.2	994.9	1015.6	1032.7	1047.0	1062.2	1076.9	1089.4
27.5°	909.7	939.9	968.1	994.8	1019.2	1040.3	1057.5	1073.6	1088.1	1103.8	1115.4
25°	929.4	960.8	990.4	1017.6	1042.5	1063.1	1082.3	1100.1	1115.5	1129.2	1138.7
22.5°	948.4	980.3	1010.5	1038.9	1063.0	1085.4	1105.9	1123.1	1138.2	1151.2	1160.5
20°	965.7	998.4	1029.5	1057.0	1082.7	1105.3	1124.9	1142.8	1157.5	1170.1	1179.5
17.5°	981.1	1014.3	1045.3	1074.8	1099.5	1121.8	1142.8	1159.2	1174.6	1186.4	1196.3
15°	994.4	1028.3	1060.2	1089.5	1113.9	1137.4	1157.0	1174.6	1189.4	1202.0	1211.5
12.5°	1005.5	1039.9	1072.7	1101.7	1127.2	1150.4	1169.4	1186.4	1202.1	1215.1	1224.8
10°	1015.4	1049.9	1083.2	1112.2	1138.4	1160.2	1179.7	1196.1	1212.1	1225.0	1235.5
7.5°	1024.0	1058.3	1091.7	1120.9	1145.5	1168.7	1187.3	1204.4	1219.0	1232.9	1243.5
5°	1030.2	1064.5	1097.6	1127.1	1151.8	1174.7	1193.3	1209.1	1223.7	1238.3	1249.7
2.5°	1034.2	1068.2	1101.4	1130.8	1156.1	1178.5	1197.3	1212.8	1228.3	1242.4	1254.3
0°	1036.0	1069.5	1102.9	1132.1	1158.1	1180.4	1198.7	1214.6	1231.1	1245.5	1256.5
-2.5°	1035.1	1068.4	1101.4	1130.9	1155.9	1177.8	1195.4	1211.4	1227.5	1242.2	1254.9
-5°	1032.2	1065.1	1097.3	1127.4	1152.0	1173.4	1190.2	1206.1	1222.3	1237.6	1249.8
-7.5°	1027.2	1059.6	1090.8	1121.5	1147.3	1168.3	1185.7	1201.5	1217.1	1231.6	1244.1
-10°	1020.4	1052.8	1084.4	1115.3	1141.8	1162.0	1180.2	1196.0	1211.1	1226.0	1238.0
-12.5°	1014.4	1047.2	1078.8	1108.0	1134.2	1155.4	1172.8	1189.6	1204.8	1218.8	1229.7
-15°	1005.8	1039.6	1070.8	1098.4	1124.3	1146.0	1164.0	1181.2	1196.9	1208.8	1220.1
-17.5°	995.0	1029.7	1061.0	1090.1	1111.7	1133.3	1151.7	1169.6	1184.9	1197.2	1206.6
-20°	981.1	1015.9	1048.5	1073.8	1096.7	1116.6	1137.2	1153.3	1169.2	1182.9	1192.1



REPORT NUMBER: P622911 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-22W-7050

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	966.2	998.6	1029.9	1056.9	1078.3	1099.1	1117.4	1135.8	1151.4	1163.9	1172.9
-25°	948.1	977.0	1008.0	1037.1	1060.1	1078.2	1097.9	1115.5	1130.1	1142.3	1152.2
-27.5°	926.7	955.4	983.7	1012.1	1038.6	1058.1	1074.8	1091.5	1107.5	1119.2	1126.2
-30°	901.6	930.4	957.7	985.0	1009.5	1031.1	1050.6	1065.8	1079.5	1091.2	1100.4
-32.5°	872.9	899.6	928.5	954.6	977.5	998.7	1017.9	1035.7	1048.8	1059.9	1070.3
-35°	843.2	867.9	892.1	920.1	945.2	964.1	981.7	998.0	1012.9	1024.2	1032.2
-37.5°	809.0	838.9	857.5	878.5	904.7	930.3	947.1	960.1	974.3	986.8	996.4
-40°	762.5	798.7	823.3	839.5	856.6	878.3	903.6	918.0	926.9	936.6	947.1
-42.5°	716.9	744.5	774.9	798.6	814.2	828.1	845.0	861.6	874.6	883.0	887.7
-45°	672.5	698.6	722.2	746.1	766.5	781.0	796.8	811.4	823.7	834.4	842.4
-47.5°	623.9	649.1	675.0	697.2	714.9	731.7	748.7	763.2	774.9	784.7	792.8
-50°	570.0	584.4	608.2	637.2	662.3	676.7	688.6	703.3	718.0	730.9	739.2
-52.5°	520.2	529.9	533.9	546.9	569.4	593.8	606.9	613.1	618.3	627.9	640.3
-55°	437.9	470.4	484.3	487.6	488.1	501.2	519.6	531.9	538.2	537.4	544.0
-57.5°	367.3	377.7	401.2	423.5	438.9	442.7	448.8	459.5	470.9	481.3	489.6
-60°	322.3	327.9	330.4	335.0	347.4	364.9	375.6	380.8	380.9	381.2	388.5
-62.5°	246.7	269.0	282.9	287.7	290.7	298.9	309.6	320.2	325.9	329.5	333.7
-65°	197.6	202.5	207.6	212.3	227.6	237.4	237.4	236.6	236.8	243.7	250.3
-67.5°	136.8	140.8	148.2	158.8	164.7	166.0	165.7	166.5	166.6	169.7	174.7
-70°	90.0	98.5	103.2	103.9	104.5	107.7	112.7	118.7	120.6	121.0	122.2
-72.5°	51.4	51.0	50.0	52.8	55.4	57.6	60.4	61.7	61.4	61.5	61.5
-75°	29.6	30.9	30.5	30.7	31.6	32.3	33.2	34.0	34.2	34.5	35.0
-77.5°	20.6	21.3	21.9	22.5	23.2	23.7	24.2	24.6	24.9	25.2	25.5
-80°	14.0	14.6	15.2	15.7	16.1	16.6	16.9	17.2	17.4	17.6	17.8
-82.5°	8.8	9.2	9.6	9.9	10.2	10.4	10.6	10.8	11.0	11.1	11.2
-85°	4.9	5.1	5.3	5.5	5.7	5.8	5.9	6.0	6.1	6.2	6.2
-87.5°	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.8
-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: P622911 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-22W-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	0.1	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	0.2	0.2	0.2	0.2	0.2
80°	4.4	4.4	4.4	4.3	4.4	4.4	4.4	4.3	4.2	4.0	3.9
77.5°	11.4	11.4	11.4	11.3	11.4	11.4	11.3	11.1	10.9	10.6	10.5
75°	21.6	21.6	21.6	21.4	21.6	21.6	21.5	21.3	20.9	20.5	20.2
72.5°	35.3	35.5	35.5	35.3	35.5	35.6	35.4	35.0	34.4	33.9	34.0
70°	53.2	53.0	52.3	51.2	52.4	53.2	53.6	53.4	52.5	52.0	52.1
67.5°	113.1	112.4	109.1	104.2	109.2	112.5	113.1	110.2	103.8	101.0	103.3
65°	202.1	201.7	199.4	195.7	199.9	202.6	203.2	201.1	195.6	191.4	193.2
62.5°	302.5	306.0	305.3	301.2	305.0	305.5	302.1	294.2	287.4	285.6	286.2
60°	400.0	401.5	401.1	399.3	400.8	400.8	398.7	394.3	387.1	388.9	392.9
57.5°	517.2	520.1	521.0	520.2	520.8	519.3	515.6	508.9	502.2	507.3	500.6
55°	640.9	646.9	649.9	648.3	649.9	646.9	641.3	634.9	629.4	607.3	588.4
52.5°	719.6	724.5	725.7	724.0	725.4	724.1	719.0	711.7	704.9	701.3	695.0
50°	804.1	808.9	812.6	814.1	811.2	806.0	799.7	793.5	786.0	774.2	761.1
47.5°	863.9	868.4	871.6	873.3	870.9	867.0	861.4	853.7	845.5	832.5	815.1
45°	909.9	915.3	919.1	920.8	918.1	913.6	907.9	901.8	890.5	876.2	863.2
42.5°	950.6	954.7	958.0	960.0	957.8	954.1	949.3	940.8	929.3	918.1	904.9
40°	985.1	990.3	994.7	997.7	995.0	990.6	985.4	979.4	966.9	955.0	942.5
37.5°	1017.4	1022.1	1024.7	1025.4	1024.7	1022.4	1017.9	1011.0	999.9	987.4	973.0
35°	1046.5	1049.6	1050.8	1050.2	1050.9	1049.9	1046.8	1038.9	1027.4	1014.5	1000.4
32.5°	1072.5	1074.8	1075.0	1073.4	1075.5	1075.9	1074.0	1065.0	1052.5	1038.4	1024.2
30°	1099.1	1101.1	1101.4	1099.8	1102.2	1102.5	1101.0	1090.6	1077.9	1062.9	1048.4
27.5°	1123.6	1126.8	1128.2	1127.6	1129.0	1128.3	1125.4	1116.1	1103.2	1087.0	1074.7
25°	1146.2	1150.9	1153.9	1154.9	1154.9	1152.9	1148.3	1139.7	1127.4	1114.3	1100.2
22.5°	1167.5	1172.8	1176.2	1177.2	1177.7	1175.9	1170.6	1161.5	1150.4	1138.1	1123.3
20°	1187.4	1193.2	1196.6	1198.0	1197.3	1195.1	1189.5	1180.8	1170.3	1157.8	1143.5
17.5°	1203.6	1209.3	1213.4	1215.2	1214.4	1211.3	1205.5	1198.0	1186.7	1174.0	1160.4
15°	1219.2	1225.5	1229.3	1230.4	1230.1	1226.4	1220.0	1212.1	1202.3	1188.7	1174.2
12.5°	1232.5	1239.5	1243.2	1243.7	1242.8	1239.1	1233.2	1225.3	1214.6	1202.1	1186.6
10°	1243.5	1249.9	1253.4	1253.3	1253.0	1249.7	1242.9	1235.2	1225.7	1213.2	1196.9
7.5°	1251.7	1259.3	1261.3	1261.5	1259.9	1256.9	1250.6	1243.4	1234.8	1222.0	1206.3
5°	1259.5	1266.5	1268.6	1266.7	1264.9	1262.4	1258.0	1251.4	1242.1	1229.1	1212.5
2.5°	1262.7	1269.4	1273.3	1270.4	1269.3	1266.6	1261.6	1256.7	1246.1	1232.6	1216.0
0°	1264.5	1270.6	1273.1	1272.2	1269.6	1266.9	1262.7	1255.2	1245.7	1233.3	1217.4
-2.5°	1261.6	1267.7	1268.7	1266.8	1265.2	1262.9	1260.3	1254.4	1243.7	1229.9	1212.6
-5°	1257.6	1261.7	1262.2	1260.1	1259.1	1258.5	1255.7	1249.6	1239.8	1224.8	1205.6
-7.5°	1252.3	1257.2	1256.4	1254.3	1254.1	1253.2	1251.5	1245.2	1234.2	1218.6	1200.6
-10°	1245.7	1250.3	1251.4	1249.1	1250.3	1248.4	1245.9	1238.5	1226.4	1210.7	1192.6
-12.5°	1236.8	1241.3	1243.6	1244.0	1244.3	1242.5	1237.6	1229.5	1218.5	1203.3	1187.2
-15°	1227.0	1232.4	1234.4	1235.0	1235.3	1233.3	1228.2	1219.6	1208.3	1195.7	1179.6
-17.5°	1214.7	1220.9	1223.1	1223.8	1223.2	1220.7	1215.1	1207.6	1196.6	1183.8	1168.5
-20°	1199.8	1205.8	1207.9	1208.1	1207.5	1205.2	1199.8	1192.6	1181.4	1168.0	1154.9

Classified

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

Scaled Data Report



REPORT NUMBER: P622911 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-22W-7050

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1180.3	1184.7	1187.4	1187.9	1188.0	1185.9	1180.6	1172.3	1161.1	1149.6	1136.0
-25°	1157.6	1162.2	1164.9	1165.4	1165.7	1163.5	1157.9	1150.0	1139.0	1127.1	1115.5
-27.5°	1133.8	1140.1	1143.1	1144.1	1143.1	1140.1	1133.6	1124.7	1116.6	1105.5	1090.6
-30°	1106.9	1111.8	1114.9	1116.0	1114.8	1111.8	1107.0	1100.3	1090.6	1078.1	1064.1
-32.5°	1078.0	1083.6	1086.9	1088.0	1087.4	1084.9	1080.0	1071.8	1060.8	1048.7	1035.2
-35°	1039.3	1045.6	1049.4	1050.9	1050.4	1047.4	1041.8	1034.3	1025.7	1013.4	997.8
-37.5°	1003.1	1008.3	1011.6	1012.7	1012.3	1009.9	1005.4	998.7	988.4	975.8	961.9
-40°	955.4	961.0	963.5	962.7	964.0	961.9	956.2	947.2	937.6	928.2	917.3
-42.5°	895.4	901.3	904.1	904.3	904.5	902.1	897.0	889.8	884.1	875.4	861.5
-45°	848.9	853.9	857.2	858.5	857.9	855.2	850.5	844.0	835.4	824.4	811.5
-47.5°	799.2	803.4	805.7	806.0	806.0	804.0	799.8	793.2	784.8	775.2	764.0
-50°	744.9	749.2	751.6	751.7	751.7	749.3	744.7	738.4	729.6	717.3	703.2
-52.5°	647.7	650.6	649.8	644.8	648.9	648.8	644.4	635.7	622.6	614.1	610.0
-55°	549.3	552.8	554.6	554.7	553.6	551.0	546.7	540.8	533.7	534.0	526.6
-57.5°	493.3	495.4	496.3	495.4	495.9	494.8	492.5	488.9	480.4	469.0	456.7
-60°	393.2	395.4	395.5	393.8	395.5	395.4	393.2	388.6	381.6	380.2	378.2
-62.5°	336.9	339.1	340.4	340.6	340.3	339.0	336.5	332.9	327.6	322.5	315.7
-65°	252.6	251.4	247.7	242.2	246.0	248.1	247.9	244.5	237.4	231.1	231.1
-67.5°	178.4	180.9	182.1	182.1	181.6	179.8	176.9	172.8	167.8	165.2	165.8
-70°	124.0	125.8	127.1	127.3	127.0	125.6	123.5	121.0	118.7	116.9	113.6
-72.5°	61.7	61.6	61.0	59.7	60.6	60.7	60.4	59.8	59.2	58.8	59.0
-75°	35.2	35.4	35.5	35.4	35.4	35.3	35.1	34.7	34.3	33.8	33.6
-77.5°	25.7	25.9	25.9	25.9	25.9	25.8	25.6	25.4	25.1	24.7	24.4
-80°	17.9	18.0	18.0	17.9	17.9	17.9	17.8	17.7	17.5	17.2	17.0
-82.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.2	11.1	10.9	10.8	10.6
-85°	6.3	6.3	6.3	6.3	6.3	6.3	6.2	6.2	6.1	6.0	5.9
-87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7
-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: P622911 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-22W-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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.1	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	3.7	3.5	3.2	3.1	2.9	2.7	2.4	2.1	1.9	1.7	1.4
77.5°	10.3	9.9	9.5	8.9	8.4	8.1	7.5	6.9	6.3	5.7	5.0
75°	19.8	19.3	18.6	17.7	16.8	16.2	15.3	14.2	13.1	11.8	10.5
72.5°	33.5	32.3	31.1	29.8	29.5	29.3	27.3	24.6	22.9	20.9	18.9
70°	52.4	52.4	51.5	49.9	50.5	51.3	50.7	48.8	45.0	38.6	31.8
67.5°	106.5	106.9	100.0	88.6	87.3	88.9	86.9	81.4	75.5	70.0	63.4
65°	196.4	198.3	182.6	164.4	170.0	169.0	150.8	141.9	137.6	115.3	103.0
62.5°	285.7	284.9	275.5	251.8	249.3	246.0	226.9	218.7	205.1	181.3	170.2
60°	393.0	371.3	347.7	347.7	347.1	331.1	310.1	296.1	274.7	255.7	232.7
57.5°	475.8	457.2	452.5	445.3	431.6	414.1	409.9	376.8	354.0	328.3	299.9
55°	584.8	585.7	573.6	540.0	511.1	497.3	483.0	469.1	450.7	391.3	371.7
52.5°	683.5	659.8	643.1	630.8	614.5	584.7	558.3	531.8	506.3	477.8	433.0
50°	743.7	732.3	717.1	693.4	666.3	650.8	630.8	602.0	565.4	526.6	495.4
47.5°	803.2	790.7	772.1	747.3	727.2	701.9	676.5	654.3	615.3	581.1	539.2
45°	849.3	834.0	812.0	792.8	772.2	747.3	723.3	689.5	659.4	622.5	585.2
42.5°	890.2	870.7	849.7	831.1	806.7	783.9	758.3	727.2	692.6	659.0	621.2
40°	926.8	905.0	885.4	861.3	839.6	816.4	785.2	756.5	724.6	689.0	653.2
37.5°	957.1	937.3	915.4	891.8	867.4	841.5	813.3	780.1	749.5	716.5	680.3
35°	985.1	964.0	942.2	918.0	893.6	867.7	836.8	804.7	770.8	737.7	703.6
32.5°	1010.2	991.8	968.3	942.4	918.2	892.5	862.6	827.1	791.3	756.9	724.4
30°	1034.4	1018.1	995.6	968.9	943.0	916.8	886.5	851.2	811.7	776.2	743.4
27.5°	1059.5	1042.1	1022.0	995.7	967.9	939.8	910.0	874.6	834.9	796.5	761.3
25°	1084.2	1066.4	1043.9	1019.4	990.8	961.7	931.6	896.9	859.0	817.6	778.5
22.5°	1107.5	1087.6	1064.5	1038.9	1011.5	980.7	949.9	915.6	877.6	837.2	795.7
20°	1126.6	1106.6	1082.7	1056.9	1029.0	998.7	966.7	931.5	893.8	855.0	812.2
17.5°	1143.5	1123.0	1099.6	1072.7	1045.2	1015.0	981.5	945.9	907.3	869.0	827.0
15°	1158.0	1138.1	1114.3	1088.1	1060.3	1029.0	995.5	959.3	918.7	879.9	839.4
12.5°	1170.2	1150.8	1127.3	1101.9	1072.9	1041.5	1006.7	969.6	929.2	889.3	849.1
10°	1180.0	1160.4	1138.2	1112.3	1083.6	1052.5	1016.2	979.1	939.8	898.5	857.1
7.5°	1188.2	1168.1	1146.3	1120.2	1091.9	1059.9	1022.9	986.4	947.9	906.1	863.4
5°	1194.1	1173.6	1151.2	1125.8	1097.7	1065.0	1027.7	990.8	953.6	911.7	868.0
2.5°	1196.7	1176.1	1154.4	1129.2	1101.3	1067.8	1030.3	992.8	957.0	915.4	870.7
0°	1196.6	1176.3	1155.6	1130.3	1102.5	1068.4	1030.5	992.9	958.2	917.1	871.5
-2.5°	1192.9	1173.7	1153.9	1129.7	1101.0	1066.4	1029.2	993.3	958.7	917.3	871.9
-5°	1187.2	1169.4	1150.2	1127.2	1097.0	1062.0	1025.9	992.0	957.1	915.4	870.2
-7.5°	1182.5	1164.5	1145.4	1121.7	1090.7	1055.1	1020.8	989.0	953.6	911.2	866.8
-10°	1177.2	1160.1	1141.0	1115.4	1082.7	1046.6	1014.6	984.2	948.2	904.9	861.8
-12.5°	1170.6	1154.8	1134.5	1107.8	1075.0	1041.3	1009.2	977.9	940.2	896.7	856.2
-15°	1162.9	1146.5	1125.2	1097.8	1066.2	1034.3	1003.3	970.3	930.8	887.7	850.2
-17.5°	1153.4	1134.7	1112.4	1086.2	1056.7	1025.1	994.1	960.9	918.4	877.8	841.5
-20°	1139.3	1119.5	1096.0	1070.3	1043.8	1014.0	982.9	947.9	904.4	866.4	830.2



REPORT NUMBER: P622911 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-22W-7050

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1120.9	1100.6	1076.6	1052.4	1025.3	998.5	970.0	929.9	890.1	854.0	816.4
-25°	1098.7	1077.9	1055.7	1030.3	1006.5	981.5	950.3	909.6	873.8	838.4	800.0
-27.5°	1073.1	1054.1	1030.1	1008.7	987.0	959.3	923.9	889.6	856.0	820.4	782.3
-30°	1046.9	1026.4	1006.4	987.8	962.3	931.6	897.0	866.6	834.5	800.7	764.9
-32.5°	1016.0	998.1	980.5	959.3	932.9	899.5	871.3	841.5	808.2	778.9	742.9
-35°	982.5	967.3	949.0	924.4	895.9	870.8	843.2	809.2	776.0	749.6	714.0
-37.5°	949.7	931.1	906.2	881.2	861.7	839.6	804.5	768.9	742.5	712.7	679.0
-40°	900.9	878.3	857.7	840.9	821.8	791.1	755.5	729.8	703.8	675.1	640.4
-42.5°	842.9	827.2	814.2	796.1	769.1	737.7	710.7	688.9	664.5	634.3	600.5
-45°	797.1	781.8	765.6	743.2	719.1	693.9	669.3	647.6	621.6	592.6	553.8
-47.5°	749.5	733.5	716.1	696.0	672.5	647.1	622.3	603.3	577.9	542.3	498.1
-50°	688.6	676.9	661.4	634.8	604.0	581.0	569.3	555.6	520.1	476.7	443.9
-52.5°	604.0	588.6	561.6	540.3	530.4	525.6	513.2	483.7	442.9	417.6	401.7
-55°	513.9	495.9	482.0	481.5	477.1	461.3	428.4	399.0	387.1	374.1	353.1
-57.5°	444.9	437.5	432.2	414.6	392.3	371.0	361.8	353.6	338.5	310.5	288.2
-60°	370.7	359.0	341.7	330.1	326.3	322.9	313.9	289.9	263.6	249.9	237.8
-62.5°	304.8	294.6	287.5	283.5	273.8	257.2	241.6	228.2	215.4	200.2	186.4
-65°	230.4	227.5	223.4	217.4	207.8	198.2	186.9	173.6	160.6	148.0	140.8
-67.5°	164.9	163.9	160.2	151.8	140.6	133.2	129.9	124.5	119.8	105.5	93.7
-70°	108.0	103.6	101.1	98.9	96.0	92.0	84.6	77.4	73.0	70.2	66.8
-72.5°	58.2	56.5	54.7	51.4	47.2	48.0	49.0	48.3	44.4	38.4	33.1
-75°	33.0	32.2	31.5	30.6	30.2	30.0	28.5	26.4	25.1	23.6	22.9
-77.5°	24.0	23.5	23.0	22.3	21.7	21.0	20.3	19.4	18.5	17.4	16.3
-80°	16.7	16.4	15.9	15.5	14.9	14.3	13.7	12.9	12.3	11.6	10.7
-82.5°	10.4	10.1	9.9	9.6	9.3	8.9	8.5	8.1	7.7	7.2	6.7
-85°	5.8	5.6	5.4	5.3	5.1	4.8	4.6	4.3	4.1	3.9	3.6
-87.5°	2.6	2.5	2.4	2.4	2.3	2.2	2.0	1.9	1.8	1.7	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: P622911 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-22W-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	1.2	1.0	0.7	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	4.3	3.6	3.0	2.1	1.5	1.1	0.8	0.7	0.6	0.5	0.4
75°	9.0	8.0	7.0	5.9	4.7	3.3	2.1	1.5	1.1	0.8	0.6
72.5°	16.5	14.2	12.0	9.9	8.5	6.9	5.0	3.2	2.0	1.3	1.0
70°	29.4	24.8	19.4	16.3	13.3	10.4	8.2	6.0	4.0	2.4	1.5
67.5°	55.4	45.9	37.1	27.8	19.9	15.6	11.9	9.0	6.4	4.1	2.4
65°	91.9	76.7	64.7	51.3	36.3	23.8	17.0	12.5	9.1	6.2	3.7
62.5°	140.8	123.2	100.4	80.1	63.1	43.2	26.2	17.1	12.2	8.4	5.4
60°	204.3	178.8	149.4	123.6	90.2	68.0	45.3	24.9	16.0	11.0	7.2
57.5°	272.5	237.7	204.8	169.8	134.2	93.8	68.0	42.5	20.8	14.2	9.2
55°	337.2	303.4	263.2	221.3	174.0	131.4	91.6	62.9	35.2	17.8	11.5
52.5°	399.2	364.8	325.9	273.7	217.7	168.5	121.0	83.0	52.6	22.1	14.3
50°	454.7	418.8	382.7	326.4	264.2	205.9	155.0	106.6	70.3	37.3	17.7
47.5°	504.2	463.7	428.7	372.9	309.0	245.5	186.5	133.6	87.6	52.5	22.3
45°	544.4	505.9	459.6	414.7	352.0	284.3	219.4	160.8	109.2	67.5	31.3
42.5°	581.3	542.2	491.6	442.4	388.5	321.9	252.1	188.0	130.4	82.0	43.8
40°	613.1	570.1	523.3	468.6	420.3	354.8	284.4	215.1	150.3	97.2	55.8
37.5°	642.3	597.4	550.4	496.3	442.4	385.0	314.2	240.9	173.0	114.2	67.2
35°	666.8	624.4	575.2	522.4	463.6	412.3	340.4	265.9	194.7	129.9	78.0
32.5°	689.2	647.3	598.4	545.9	485.6	429.9	363.5	291.2	215.3	144.5	88.4
30°	708.1	669.1	620.7	566.7	506.4	446.0	387.3	312.9	234.5	159.7	98.6
27.5°	725.7	687.5	640.4	585.8	526.1	461.8	407.5	332.7	252.2	175.2	109.7
25°	741.3	701.8	658.5	603.4	544.6	479.0	420.9	349.9	269.7	189.6	119.9
22.5°	755.8	715.5	674.4	619.3	560.8	495.5	433.1	365.4	286.0	203.1	129.2
20°	769.7	729.5	687.4	634.9	575.5	510.7	444.0	379.9	300.5	215.4	137.8
17.5°	782.8	740.2	696.6	648.3	589.0	524.3	454.3	392.3	312.7	226.3	145.4
15°	794.7	750.9	705.3	659.1	600.6	535.9	464.7	401.9	323.5	235.7	152.2
12.5°	804.2	760.3	715.3	667.8	610.0	544.9	473.7	408.5	332.7	243.7	158.4
10°	811.6	768.1	723.6	673.9	617.8	551.8	481.3	413.8	339.7	250.3	164.1
7.5°	816.8	774.2	729.7	678.5	623.7	557.1	487.3	417.9	345.0	255.6	168.7
5°	820.5	778.5	733.9	681.6	627.7	560.7	491.6	420.8	348.7	259.5	172.1
2.5°	822.2	781.2	736.7	683.1	630.1	562.7	494.3	422.4	351.1	262.1	174.3
0°	822.2	782.2	737.9	683.1	630.8	563.1	495.2	422.6	352.0	263.2	175.4
-2.5°	824.3	783.6	738.8	685.4	632.8	565.4	496.6	423.7	353.2	264.6	176.5
-5°	824.7	783.2	738.0	686.2	633.2	566.0	496.3	423.5	353.0	264.6	176.4
-7.5°	823.4	781.0	735.9	685.6	631.8	564.7	494.2	421.9	351.6	263.3	175.1
-10°	820.9	777.0	732.3	683.8	628.7	561.5	490.4	418.9	348.9	260.7	172.5
-12.5°	816.8	771.0	727.5	680.7	623.6	556.2	485.1	414.6	344.6	256.7	168.7
-15°	810.1	763.7	721.8	675.3	616.9	549.1	478.4	408.9	338.6	251.4	164.1
-17.5°	800.1	755.0	714.5	668.1	608.3	540.9	470.4	401.8	331.5	244.9	158.5
-20°	787.3	746.1	706.6	657.9	598.0	531.0	460.5	393.3	323.5	236.3	151.6



REPORT NUMBER: P622911 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-22W-7050

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	773.8	734.6	694.7	645.1	585.2	517.8	448.1	383.7	311.8	226.0	143.4
-25°	760.1	719.9	677.8	626.0	567.9	503.1	434.9	372.6	297.7	214.3	135.0
-27.5°	744.6	702.3	656.9	604.7	546.2	488.6	421.5	360.4	282.9	201.5	126.3
-30°	723.7	681.3	632.5	579.5	523.3	466.7	407.0	347.1	268.6	187.3	116.7
-32.5°	699.5	655.0	605.8	549.6	498.9	441.4	389.3	331.7	252.4	171.9	107.3
-35°	671.1	625.0	574.2	522.3	475.1	419.4	368.6	308.1	232.9	155.3	97.4
-37.5°	637.9	591.1	538.7	495.0	445.3	395.8	346.1	282.1	212.0	139.1	87.6
-40°	601.1	551.1	507.0	467.5	417.5	370.5	317.8	256.9	189.6	123.8	78.8
-42.5°	556.2	512.6	477.6	432.7	389.0	342.2	283.1	227.5	163.7	109.0	69.4
-45°	509.1	478.7	443.5	401.7	358.4	307.5	255.2	197.3	139.3	94.0	59.6
-47.5°	464.8	440.4	407.3	367.1	321.7	268.8	221.5	166.4	118.2	82.4	51.1
-50°	424.4	397.5	367.3	327.7	276.8	236.4	186.8	137.1	100.0	69.3	44.4
-52.5°	379.3	348.7	321.1	278.1	241.6	198.2	151.6	113.9	82.6	55.9	37.9
-55°	322.3	299.1	266.5	237.8	200.9	159.6	122.7	94.5	65.7	47.2	31.3
-57.5°	270.8	244.6	222.6	194.2	159.0	125.3	100.8	71.7	51.3	38.7	24.3
-60°	217.9	199.5	176.3	149.4	122.1	101.7	75.3	53.9	41.9	30.2	16.8
-62.5°	169.7	154.0	130.5	111.8	98.7	73.1	53.2	42.3	32.7	21.7	9.4
-65°	125.8	107.6	96.8	88.7	63.4	48.7	40.3	32.6	23.7	13.3	7.7
-67.5°	86.7	81.1	66.9	50.9	41.7	36.3	30.4	23.2	14.8	8.8	6.1
-70°	55.8	45.2	37.6	34.6	31.1	26.7	20.9	14.0	9.4	6.9	4.7
-72.5°	30.3	29.3	27.6	25.1	21.7	17.3	11.8	9.4	7.2	5.2	3.5
-75°	22.3	21.0	19.0	16.2	12.7	10.8	8.8	6.9	5.2	3.7	2.6
-77.5°	15.0	13.1	11.8	10.4	9.1	7.7	6.2	4.9	3.7	2.7	1.9
-80°	9.8	8.9	7.9	7.0	6.1	5.2	4.2	3.3	2.5	1.9	1.4
-82.5°	6.1	5.5	4.9	4.3	3.7	3.3	2.7	2.1	1.7	1.3	1.0
-85°	3.3	3.0	2.7	2.4	2.2	1.9	1.6	1.3	1.1	0.9	0.7
-87.5°	1.5	1.4	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	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: P622911 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-22W-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	0.1	0.1	0.1	0.0	0.0
85°	0.2	0.2	0.2	0.2	0.1	0.1	0.0
82.5°	0.3	0.3	0.3	0.2	0.2	0.1	0.0
80°	0.4	0.3	0.3	0.3	0.2	0.1	0.0
77.5°	0.4	0.4	0.4	0.3	0.3	0.2	0.0
75°	0.5	0.4	0.4	0.3	0.3	0.2	0.0
72.5°	0.7	0.5	0.4	0.4	0.3	0.2	0.0
70°	1.0	0.6	0.5	0.4	0.3	0.2	0.0
67.5°	1.4	0.9	0.6	0.4	0.4	0.3	0.0
65°	2.1	1.2	0.7	0.5	0.4	0.3	0.0
62.5°	2.9	1.6	0.8	0.5	0.4	0.3	0.0
60°	4.2	2.1	1.0	0.6	0.4	0.3	0.0
57.5°	5.7	2.9	1.3	0.6	0.4	0.3	0.0
55°	7.1	3.7	1.7	0.8	0.5	0.3	0.0
52.5°	8.5	4.8	2.0	0.9	0.5	0.3	0.0
50°	10.4	5.9	2.6	1.0	0.5	0.3	0.0
47.5°	12.3	7.0	3.2	1.1	0.5	0.4	0.0
45°	15.1	8.0	3.8	1.4	0.6	0.4	0.0
42.5°	17.9	9.2	4.5	1.6	0.6	0.4	0.0
40°	22.8	10.4	5.3	1.8	0.6	0.4	0.0
37.5°	28.0	11.6	6.0	2.0	0.7	0.4	0.0
35°	35.6	13.5	6.7	2.3	0.7	0.4	0.0
32.5°	44.3	15.8	7.3	2.7	0.8	0.4	0.0
30°	52.5	18.0	7.9	3.0	0.8	0.4	0.0
27.5°	60.1	20.6	8.5	3.3	0.9	0.4	0.0
25°	67.1	24.5	9.1	3.6	0.9	0.4	0.0
22.5°	73.5	28.4	9.7	3.8	1.0	0.4	0.0
20°	79.4	32.1	10.2	4.1	1.0	0.4	0.0
17.5°	84.8	35.7	10.7	4.4	1.1	0.4	0.0
15°	89.6	39.3	11.1	4.7	1.1	0.4	0.0
12.5°	93.7	42.8	11.5	4.9	1.1	0.4	0.0
10°	97.2	45.8	11.7	5.1	1.1	0.4	0.0
7.5°	100.1	48.2	12.0	5.2	1.2	0.4	0.0
5°	102.4	50.2	12.1	5.3	1.2	0.4	0.0
2.5°	104.0	51.7	12.3	5.4	1.2	0.4	0.0
0°	105.0	52.6	12.3	5.4	1.2	0.4	0.0
-2.5°	105.4	52.9	12.9	5.5	1.2	0.5	0.0
-5°	105.1	52.7	13.4	5.5	1.2	0.5	0.0
-7.5°	104.1	51.9	13.8	5.5	1.3	0.5	0.0
-10°	102.5	50.7	14.1	5.4	1.3	0.5	0.0
-12.5°	100.2	49.0	14.2	5.3	1.3	0.5	0.0
-15°	97.2	46.9	14.3	5.1	1.3	0.5	0.0
-17.5°	93.5	44.4	14.2	5.0	1.2	0.5	0.0
-20°	89.1	41.7	13.9	4.7	1.2	0.5	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P622911 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-22W-7050

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	84.5	38.7	13.5	4.5	1.2	0.5	0.0
-25°	79.6	35.4	12.8	4.3	1.2	0.5	0.0
-27.5°	74.3	31.9	12.1	4.1	1.1	0.5	0.0
-30°	68.5	29.4	11.2	3.8	1.1	0.5	0.0
-32.5°	62.1	27.1	10.1	3.5	1.0	0.4	0.0
-35°	55.4	24.5	8.8	3.2	1.0	0.4	0.0
-37.5°	48.8	21.9	7.6	2.9	0.9	0.4	0.0
-40°	43.2	19.8	6.9	2.7	0.9	0.4	0.0
-42.5°	37.5	17.3	6.2	2.5	0.9	0.4	0.0
-45°	33.1	14.6	5.5	2.2	0.8	0.4	0.0
-47.5°	28.4	11.6	4.9	1.9	0.8	0.4	0.0
-50°	24.0	8.4	4.3	1.7	0.7	0.4	0.0
-52.5°	19.2	7.3	3.7	1.5	0.7	0.4	0.0
-55°	14.2	6.3	3.2	1.4	0.7	0.4	0.0
-57.5°	8.9	5.3	2.7	1.2	0.6	0.4	0.0
-60°	7.5	4.4	2.2	1.1	0.6	0.4	0.0
-62.5°	6.1	3.6	1.9	1.0	0.6	0.3	0.0
-65°	5.0	2.9	1.5	0.9	0.5	0.3	0.0
-67.5°	3.9	2.3	1.3	0.8	0.5	0.3	0.0
-70°	2.9	1.8	1.1	0.7	0.5	0.3	0.0
-72.5°	2.2	1.4	0.9	0.7	0.4	0.2	0.0
-75°	1.7	1.2	0.8	0.6	0.4	0.2	0.0
-77.5°	1.3	1.0	0.7	0.5	0.4	0.2	0.0
-80°	1.0	0.8	0.6	0.5	0.3	0.1	0.0
-82.5°	0.8	0.6	0.5	0.4	0.2	0.1	0.0
-85°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
-87.5°	0.3	0.3	0.2	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)