

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: P622912 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF25-XX-PC-25W-7030**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622912 (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-25W-7030
Description: Flood light with selectable wattage and CCT
Light Source: (1) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

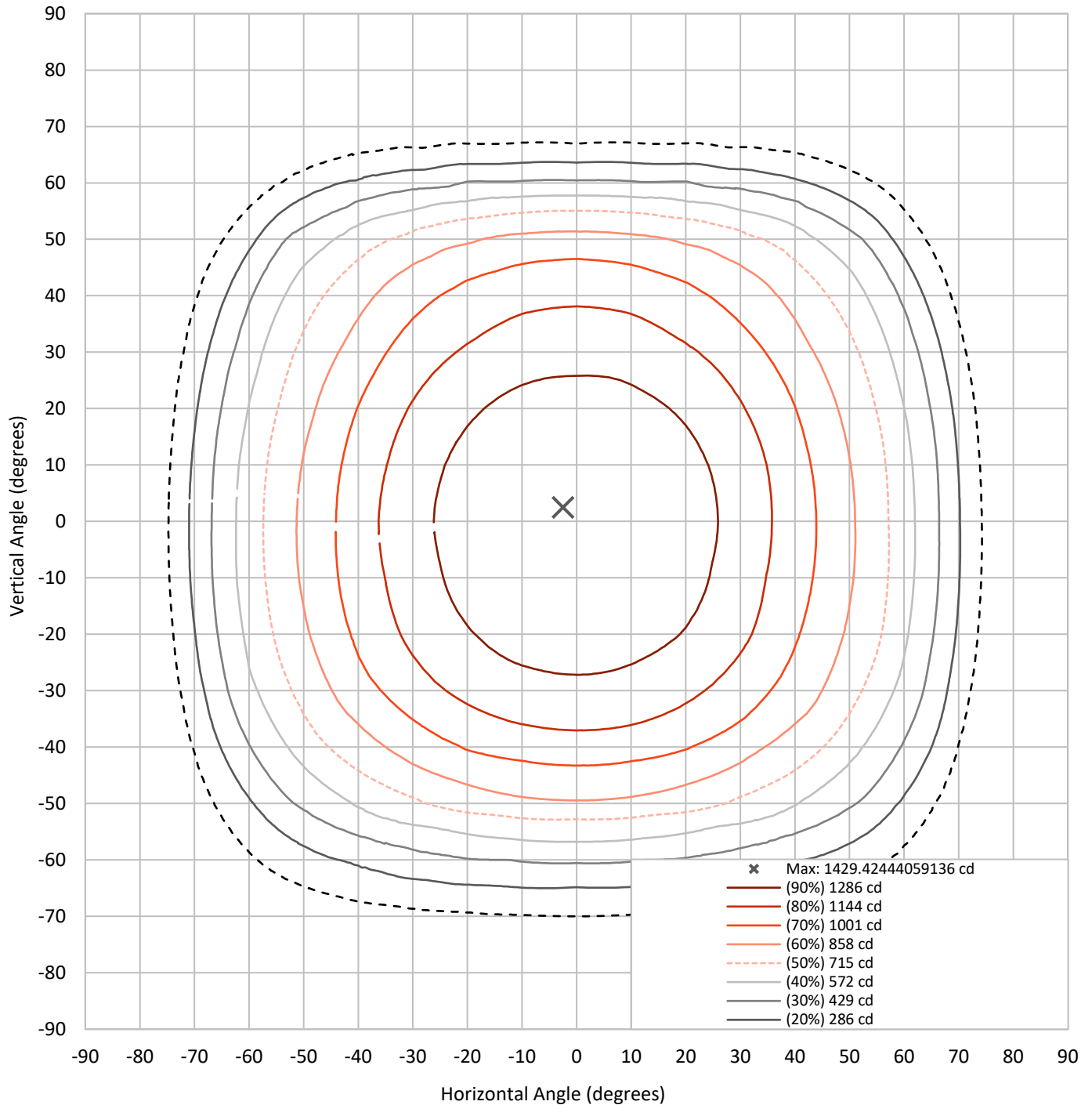
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	3781.8 lumens	Max Intensity:	1429.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	136.5 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:	3081.2 lumens	Field Lumens:	3729.1 lumens
Beam Efficiency:	81.5%	Field Efficiency:	98.6%
Input Watts (W):	27.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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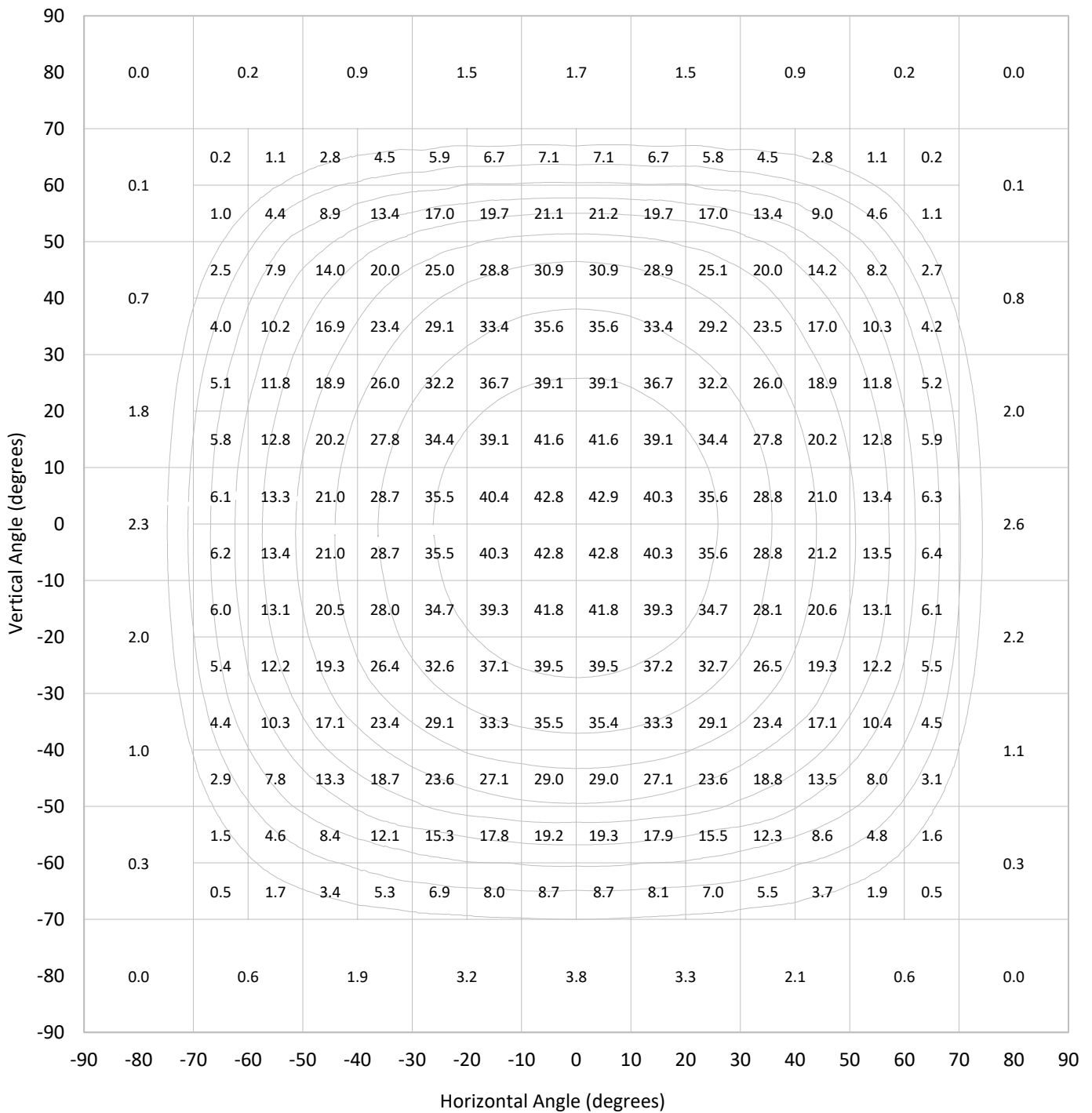
Iso-Candela Plot





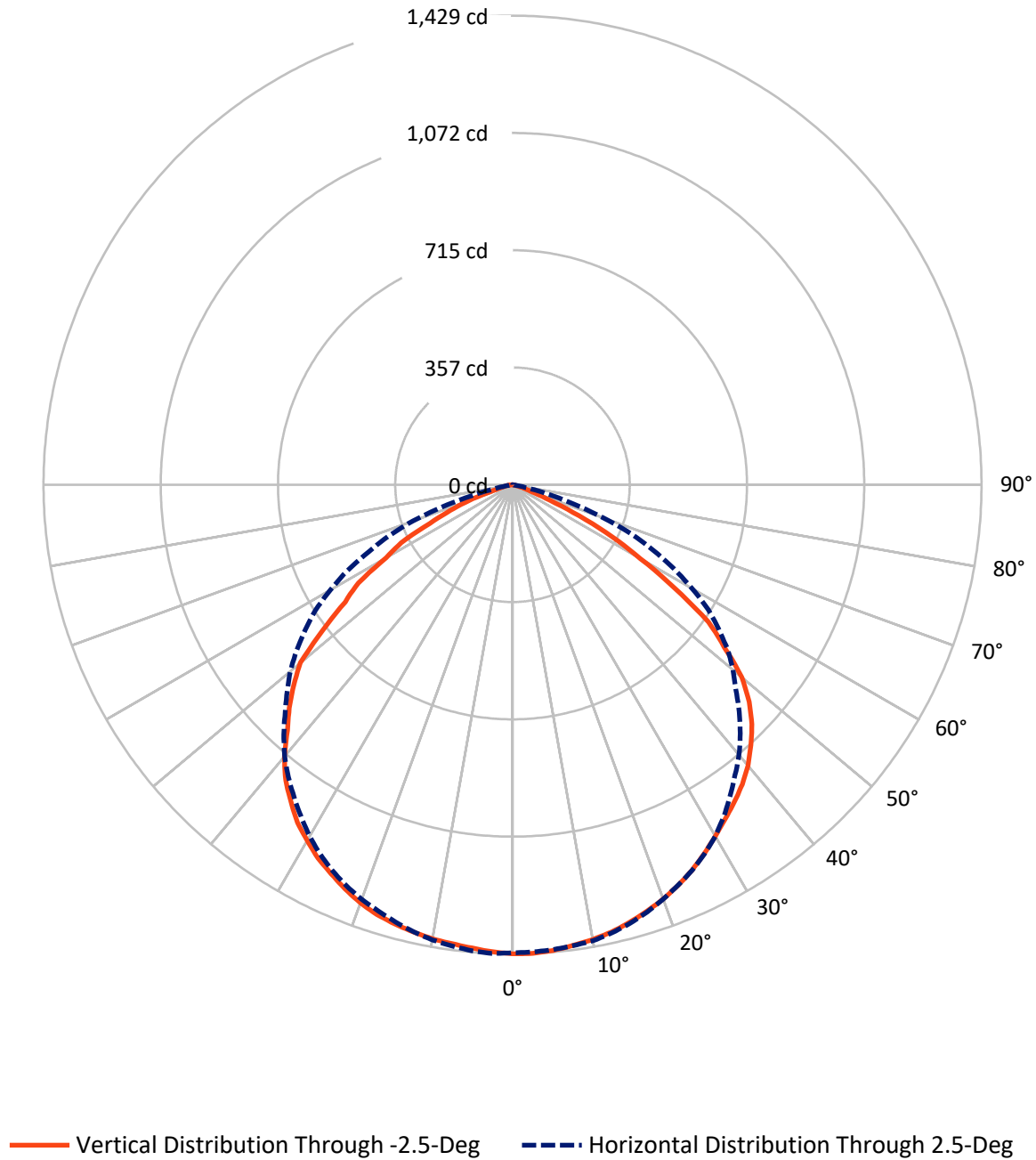
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Lumen Table



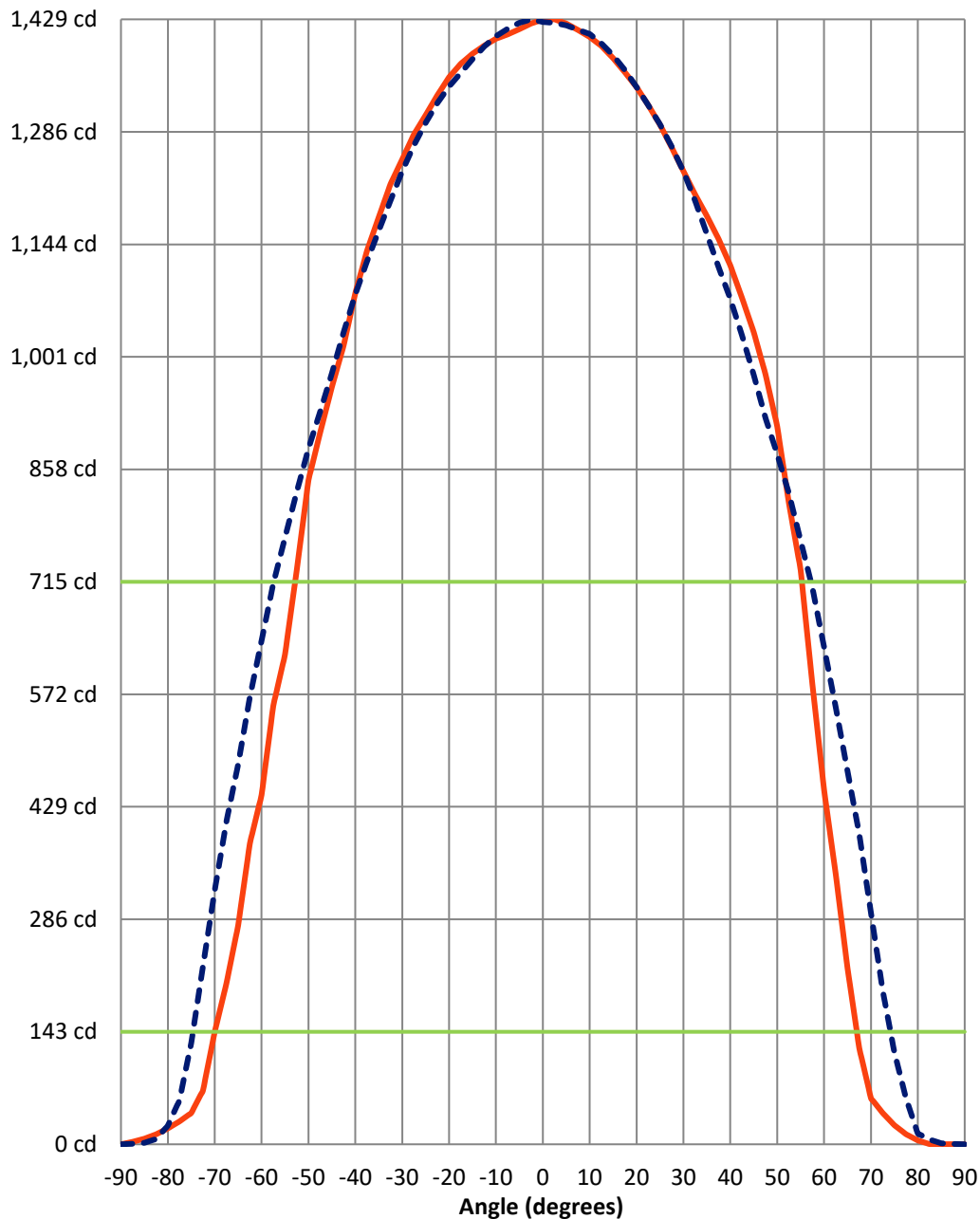
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 114.6°
 V Angle: 108.1°
 Lumens: 3081.2
 Efficiency: 81.5%

Field:
 H Angle: 148.8°
 V Angle: 137°
 Lumens: 3729.1
 Efficiency: 98.6%

Spill:
 Lumens: 52.7
 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	0.1	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	0.3
82.5°	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.2	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
77.5°	0.0	0.2	0.4	0.4	0.5	0.5	0.5	0.6	0.7	0.8	0.9
75°	0.0	0.2	0.4	0.4	0.5	0.6	0.7	0.8	1.0	1.4	1.9
72.5°	0.0	0.3	0.4	0.5	0.6	0.7	0.9	1.2	1.7	2.6	4.0
70°	0.0	0.3	0.4	0.5	0.7	0.9	1.2	1.9	3.0	4.9	7.2
67.5°	0.0	0.4	0.5	0.6	0.8	1.2	1.9	3.0	5.1	7.8	10.5
65°	0.0	0.4	0.5	0.7	1.0	1.6	2.7	4.7	7.7	10.8	14.3
62.5°	0.0	0.4	0.5	0.8	1.2	2.1	3.7	6.9	10.2	14.3	19.1
60°	0.0	0.4	0.6	0.8	1.4	2.8	5.4	9.0	13.3	18.4	27.8
57.5°	0.0	0.4	0.6	0.9	1.9	3.7	7.2	11.5	16.7	23.1	50.0
55°	0.0	0.4	0.6	1.1	2.3	4.7	9.0	14.3	20.5	41.8	76.4
52.5°	0.0	0.4	0.7	1.3	2.8	6.1	10.9	17.8	24.9	64.8	102.7
50°	0.0	0.4	0.7	1.5	3.5	7.4	14.0	21.6	45.5	88.5	137.7
47.5°	0.0	0.5	0.8	1.7	4.1	8.8	17.3	25.9	66.3	111.9	168.8
45°	0.0	0.5	0.8	2.0	4.8	10.2	20.9	36.4	86.1	143.0	199.5
42.5°	0.0	0.5	0.9	2.3	5.7	12.2	24.6	51.9	105.4	171.2	231.7
40°	0.0	0.5	1.0	2.6	6.6	15.2	28.6	67.1	126.3	197.2	263.6
37.5°	0.0	0.5	1.0	2.9	7.5	18.2	32.8	81.8	150.4	221.7	292.0
35°	0.0	0.5	1.1	3.2	8.3	21.2	40.8	96.5	171.7	244.5	317.4
32.5°	0.0	0.5	1.2	3.6	9.2	24.3	50.4	111.2	190.4	265.6	341.4
30°	0.0	0.5	1.3	4.0	10.0	27.4	59.0	126.1	208.3	286.4	366.3
27.5°	0.0	0.5	1.4	4.3	10.8	30.4	68.3	142.6	225.2	306.4	389.7
25°	0.0	0.5	1.4	4.6	11.8	33.5	77.0	157.9	240.7	324.2	405.2
22.5°	0.0	0.6	1.5	4.9	13.7	36.4	84.9	171.2	254.6	340.0	419.4
20°	0.0	0.6	1.6	5.3	15.5	39.3	92.5	182.2	267.2	354.7	433.8
17.5°	0.0	0.6	1.6	5.6	17.1	42.0	100.5	192.1	278.6	368.8	446.3
15°	0.0	0.6	1.7	5.9	18.6	45.1	107.6	200.8	289.7	380.9	456.7
12.5°	0.0	0.6	1.8	6.1	20.0	48.4	113.8	208.4	299.3	391.3	464.7
10°	0.0	0.6	1.8	6.4	21.2	51.1	119.1	214.8	307.4	398.4	471.4
7.5°	0.0	0.6	1.8	6.5	22.2	53.3	123.4	219.9	314.0	403.6	476.6
5°	0.0	0.6	1.9	6.7	23.1	55.1	126.7	223.7	319.0	407.4	480.4
2.5°	0.0	0.6	1.9	6.7	23.7	56.3	128.9	226.3	322.5	410.0	482.9
0°	0.0	0.6	1.9	6.8	24.1	57.1	130.1	227.6	324.3	411.3	483.8
-2.5°	0.0	0.6	1.9	6.8	24.2	57.7	130.2	227.7	324.6	412.2	484.9
-5°	0.0	0.6	1.9	6.8	24.1	57.8	129.2	226.5	323.2	411.9	484.6
-7.5°	0.0	0.6	1.9	6.8	23.7	57.5	127.1	224.1	320.1	410.2	482.7
-10°	0.0	0.6	1.9	6.7	23.2	56.7	124.1	220.3	315.4	407.1	479.3
-12.5°	0.0	0.6	1.9	6.6	22.4	55.5	120.2	215.3	308.9	402.4	474.2
-15°	0.0	0.6	1.9	6.4	21.3	53.8	115.4	209.0	300.7	395.3	467.7
-17.5°	0.0	0.6	1.9	6.2	20.1	51.8	109.7	201.4	290.9	386.8	460.0
-20°	0.0	0.6	1.8	5.9	18.6	49.6	103.2	192.5	280.8	377.1	451.3

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Scaled Data Report



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CATALOG NUMBER: LSF25-XX-PC-25W-7030

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	1.8	5.7	17.0	46.9	97.1	182.3	269.4	364.2	441.4
-25°	0.0	0.6	1.7	5.4	15.1	43.8	90.8	170.4	256.6	348.7	429.2
-27.5°	0.0	0.6	1.6	5.2	13.9	40.2	83.7	156.8	242.3	330.9	415.5
-30°	0.0	0.6	1.6	4.9	12.8	36.9	76.3	142.2	226.6	310.7	399.1
-32.5°	0.0	0.6	1.5	4.5	11.6	33.8	70.1	129.4	209.5	289.7	380.3
-35°	0.0	0.5	1.4	4.2	10.2	30.4	63.2	116.9	191.1	269.2	354.1
-37.5°	0.0	0.5	1.3	3.8	8.9	26.9	56.0	104.5	171.0	247.1	322.6
-40°	0.0	0.5	1.2	3.5	8.2	23.2	48.8	92.1	149.7	223.4	291.0
-42.5°	0.0	0.5	1.2	3.2	7.5	19.2	40.9	79.9	131.9	197.0	261.5
-45°	0.0	0.5	1.1	2.9	6.6	15.9	36.0	68.4	115.8	169.8	231.1
-47.5°	0.0	0.5	1.1	2.5	5.9	12.9	30.8	56.9	99.0	142.7	199.9
-50°	0.0	0.5	1.0	2.3	5.2	9.7	25.6	45.3	81.4	122.4	168.6
-52.5°	0.0	0.5	0.9	2.1	4.5	8.6	20.1	37.6	65.1	100.8	139.3
-55°	0.0	0.5	0.9	1.8	3.9	7.4	15.3	31.1	49.8	80.1	115.4
-57.5°	0.0	0.5	0.8	1.5	3.3	6.3	10.2	24.5	38.6	62.1	89.5
-60°	0.0	0.5	0.8	1.4	2.7	5.2	8.7	17.6	30.6	43.9	69.3
-62.5°	0.0	0.4	0.7	1.3	2.3	4.3	7.1	10.9	23.0	34.2	48.9
-65°	0.0	0.4	0.7	1.1	1.9	3.5	5.8	8.9	15.4	25.7	35.5
-67.5°	0.0	0.4	0.6	1.0	1.6	2.8	4.6	7.1	10.7	17.6	26.3
-70°	0.0	0.4	0.6	0.9	1.4	2.2	3.5	5.5	8.0	11.8	17.9
-72.5°	0.0	0.3	0.5	0.8	1.1	1.7	2.6	4.1	6.1	8.5	11.7
-75°	0.0	0.3	0.5	0.7	1.0	1.4	2.0	3.1	4.5	6.3	8.3
-77.5°	0.0	0.2	0.5	0.6	0.8	1.1	1.5	2.2	3.2	4.5	5.9
-80°	0.0	0.2	0.4	0.6	0.7	0.9	1.2	1.7	2.3	3.1	4.1
-82.5°	0.0	0.1	0.3	0.5	0.6	0.7	0.9	1.2	1.6	2.1	2.7
-85°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.9	1.1	1.4	1.7
-87.5°	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.7	0.8	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622912 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-25W-7030

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°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.3
80°	0.6	0.5	0.7	0.8	0.9	1.2	1.4	1.6	2.0	2.2	2.5
77.5°	1.1	1.4	1.9	2.6	3.5	4.2	5.0	5.7	6.5	7.2	7.9
75°	2.6	3.9	5.3	6.6	7.8	8.9	10.0	11.6	13.1	14.6	15.9
72.5°	5.9	7.7	9.4	10.9	13.2	15.5	17.9	20.6	22.9	25.1	27.1
70°	9.4	11.6	14.4	17.5	20.8	26.4	31.7	34.4	43.1	50.9	55.4
67.5°	13.4	17.0	21.1	29.1	39.8	50.3	62.0	73.4	80.6	86.4	92.6
65°	18.7	25.5	37.9	55.7	71.9	91.3	103.6	115.9	130.6	145.1	153.9
62.5°	28.8	47.8	69.7	93.2	115.9	132.4	156.1	185.6	200.3	236.3	248.2
60°	52.1	78.2	108.9	134.4	159.5	203.0	234.9	273.0	291.9	301.5	326.8
57.5°	80.7	115.7	146.9	179.7	241.5	281.3	322.4	340.8	365.7	399.3	420.2
55°	113.5	152.6	190.0	266.2	316.3	359.8	385.8	421.2	440.3	499.5	532.7
52.5°	150.6	191.2	262.7	330.7	390.1	421.9	452.5	486.9	541.0	574.4	598.6
50°	183.6	246.5	318.5	391.5	448.4	475.1	513.9	565.2	597.2	639.8	680.4
47.5°	222.4	296.6	369.1	437.9	486.8	527.0	575.6	612.9	660.8	694.9	732.4
45°	267.0	339.1	415.2	471.0	522.6	578.3	620.6	667.5	702.3	740.7	772.8
42.5°	304.2	381.1	446.6	500.0	561.4	618.5	664.7	702.4	741.1	776.5	816.5
40°	336.8	413.8	474.5	534.4	595.3	651.3	697.1	734.8	772.9	813.1	848.8
37.5°	369.2	439.5	500.0	565.6	625.0	680.1	722.5	763.7	803.3	840.7	879.9
35°	397.2	463.8	528.0	591.8	653.0	703.9	748.3	788.8	826.9	867.8	911.3
32.5°	416.2	483.4	552.7	615.2	678.2	726.2	771.4	811.8	850.3	895.3	935.9
30°	437.7	505.3	573.0	639.1	698.8	747.7	793.3	834.3	875.4	917.5	960.1
27.5°	458.1	525.0	591.0	661.0	717.0	766.7	813.4	855.5	898.7	941.2	982.8
25°	474.1	545.1	607.7	680.0	733.9	785.2	832.4	875.8	920.0	964.1	1005.5
22.5°	489.9	562.2	629.2	696.2	749.5	802.4	849.1	893.7	940.2	985.9	1027.1
20°	505.1	577.4	647.8	710.7	763.4	818.0	863.8	910.2	958.7	1004.4	1045.1
17.5°	518.8	591.3	663.7	724.4	778.8	831.9	876.3	925.2	975.5	1021.0	1061.8
15°	532.1	603.6	676.6	736.9	792.4	844.5	889.9	938.8	989.6	1034.0	1076.4
12.5°	544.1	614.9	687.6	747.6	803.5	855.8	902.4	952.1	1001.8	1045.8	1088.6
10°	553.9	624.3	696.9	756.0	812.7	865.4	912.9	962.7	1012.4	1057.7	1100.0
7.5°	560.2	631.5	703.8	762.7	819.9	873.2	921.1	970.7	1021.0	1067.4	1109.9
5°	565.0	636.8	709.0	767.7	825.3	879.4	927.1	976.4	1027.4	1074.8	1117.3
2.5°	568.1	640.0	712.4	771.0	828.9	884.0	931.0	979.7	1031.7	1080.0	1122.1
0°	569.7	641.4	714.1	772.6	830.6	886.7	932.9	980.7	1033.8	1082.7	1124.5
-2.5°	571.2	642.7	714.5	773.5	831.2	886.9	934.5	982.6	1034.3	1082.3	1123.9
-5°	571.1	642.2	713.1	772.7	830.1	885.2	934.3	982.3	1032.5	1079.7	1120.9
-7.5°	569.4	639.8	710.0	770.0	827.3	881.6	932.0	979.8	1028.5	1074.8	1115.6
-10°	566.2	635.4	705.2	765.3	822.9	875.9	927.5	975.2	1022.9	1068.0	1108.3
-12.5°	559.5	629.1	698.7	758.5	816.9	868.1	920.8	968.9	1016.0	1059.3	1099.8
-15°	550.8	621.2	691.1	750.1	809.3	858.5	911.1	960.8	1007.0	1049.6	1090.0
-17.5°	540.9	612.7	681.7	740.1	798.2	848.0	898.0	948.9	995.9	1038.0	1078.0
-20°	528.3	602.9	669.6	728.4	784.8	837.4	883.4	933.9	982.1	1024.7	1063.8



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CATALOG NUMBER: LSF25-XX-PC-25W-7030

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	512.2	591.3	655.2	715.7	767.4	823.1	867.8	916.2	964.8	1010.1	1048.3
-25°	495.7	577.9	637.7	699.7	749.0	804.3	851.8	895.9	943.0	991.9	1029.9
-27.5°	479.9	561.6	617.6	678.7	729.8	781.6	834.0	875.7	919.8	966.6	1008.9
-30°	464.4	534.6	595.7	652.6	709.4	756.4	809.5	855.6	895.1	937.1	978.6
-32.5°	446.0	502.4	571.3	622.7	684.4	731.6	780.8	831.1	870.5	906.0	945.3
-35°	422.5	477.1	543.1	594.7	651.7	706.4	749.8	798.9	839.5	871.2	910.5
-37.5°	396.4	451.7	506.5	565.3	614.0	673.1	720.8	759.6	799.2	834.3	867.3
-40°	364.7	423.7	475.0	531.4	578.8	631.1	685.5	721.0	756.5	791.4	823.1
-42.5°	325.7	392.1	443.6	490.9	543.0	587.0	638.4	682.0	713.2	745.7	776.4
-45°	289.6	353.8	409.1	457.7	501.8	544.9	583.6	634.0	670.9	698.9	727.5
-47.5°	255.4	308.8	369.9	418.1	463.4	497.7	529.8	571.0	619.5	653.2	677.1
-50°	220.6	270.1	319.2	375.4	418.0	453.2	480.8	506.1	546.2	594.2	628.2
-52.5°	185.2	232.0	275.8	321.4	367.4	398.8	434.5	457.1	476.0	507.3	554.2
-55°	152.0	193.3	234.5	272.5	309.2	343.9	370.5	407.4	428.8	441.3	456.2
-57.5°	123.3	156.6	192.8	227.5	257.1	286.4	313.4	333.2	360.7	392.5	405.1
-60°	94.7	125.2	153.9	182.3	208.0	232.9	258.2	278.4	290.4	307.6	338.2
-62.5°	71.4	93.5	121.0	141.5	161.1	183.1	200.2	221.9	243.4	252.9	262.7
-65°	49.1	69.2	85.7	106.3	121.7	135.0	152.0	166.4	176.5	193.2	209.4
-67.5°	34.3	44.4	62.0	70.9	84.2	98.3	108.1	116.6	127.6	141.4	147.3
-70°	25.1	31.3	38.3	45.9	53.7	60.2	69.5	79.9	85.4	89.4	93.8
-72.5°	16.6	22.6	27.0	29.7	33.2	36.1	38.9	41.3	47.0	53.4	57.0
-75°	10.5	14.4	18.2	21.0	23.2	24.8	25.8	26.4	27.1	29.1	30.7
-77.5°	7.6	9.4	11.0	12.7	15.0	16.7	18.0	18.9	20.0	21.1	22.2
-80°	5.2	6.4	7.5	8.5	9.5	10.5	11.6	12.6	13.4	14.2	14.9
-82.5°	3.4	4.2	4.7	5.4	6.0	6.7	7.3	8.0	8.5	9.0	9.5
-85°	2.1	2.5	2.8	3.1	3.4	3.8	4.1	4.5	4.8	5.0	5.2
-87.5°	1.1	1.3	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.4
-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: P622912 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-25W-7030

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°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	2.8	3.1	3.3	3.5	3.7	4.0	4.2	4.4	4.6	4.7	4.9
77.5°	8.6	9.2	9.6	10.2	10.8	11.3	11.7	11.9	12.0	12.3	12.6
75°	17.2	18.2	19.0	20.0	21.0	21.7	22.3	22.8	23.0	23.5	23.9
72.5°	30.4	33.0	33.1	33.4	34.8	35.9	36.8	37.5	37.8	38.5	39.2
70°	57.0	55.8	53.4	52.9	55.8	57.6	58.2	58.1	58.0	58.5	59.5
67.5°	96.1	95.9	96.1	99.1	111.7	119.1	118.3	115.2	113.4	117.2	124.0
65°	168.9	192.2	190.2	182.3	202.2	219.2	217.8	215.5	214.7	219.0	224.5
62.5°	250.9	269.8	275.4	277.1	302.9	314.8	318.9	321.7	321.3	323.1	330.4
60°	347.2	367.5	384.4	386.5	386.6	413.3	439.3	442.8	440.3	438.1	445.0
57.5°	454.7	465.9	481.8	498.0	510.4	514.5	534.1	561.0	569.9	566.3	574.4
55°	543.7	560.0	575.9	605.2	642.3	661.0	658.1	660.1	679.9	703.7	711.4
52.5°	630.9	657.3	689.8	709.5	722.0	738.5	764.3	779.6	787.7	791.7	799.6
50°	706.1	731.2	747.1	774.9	804.6	823.3	835.8	856.7	872.7	889.0	897.3
47.5°	759.1	785.2	817.1	838.4	869.7	890.2	904.4	918.9	940.2	954.7	962.5
45°	810.9	837.8	869.4	893.6	914.5	941.3	960.8	974.5	986.4	1002.0	1014.2
42.5°	849.0	884.8	912.8	939.8	963.4	982.6	1005.0	1020.8	1035.3	1045.8	1057.7
40°	886.7	926.9	951.8	976.3	1001.6	1021.8	1048.1	1060.9	1074.9	1086.9	1099.6
37.5°	921.7	955.4	984.3	1008.4	1035.0	1055.9	1081.1	1097.5	1109.9	1123.5	1134.9
35°	948.4	982.6	1010.3	1035.9	1062.6	1087.6	1108.9	1125.1	1138.6	1153.0	1166.0
32.5°	974.2	1006.7	1034.5	1062.2	1090.0	1114.3	1133.0	1148.2	1164.2	1180.2	1194.1
30°	998.0	1030.7	1061.0	1089.1	1116.8	1140.1	1159.3	1175.3	1192.3	1208.8	1222.9
27.5°	1021.2	1055.1	1086.7	1116.8	1144.1	1167.9	1187.1	1205.1	1221.4	1239.1	1252.1
25°	1043.2	1078.5	1111.7	1142.3	1170.4	1193.4	1214.9	1234.9	1252.2	1267.5	1278.3
22.5°	1064.6	1100.5	1134.4	1166.3	1193.3	1218.4	1241.5	1260.7	1277.7	1292.3	1302.8
20°	1084.0	1120.8	1155.6	1186.6	1215.4	1240.8	1262.8	1282.9	1299.4	1313.5	1324.1
17.5°	1101.3	1138.7	1173.4	1206.5	1234.2	1259.4	1282.9	1301.2	1318.6	1331.8	1343.0
15°	1116.3	1154.3	1190.2	1223.0	1250.5	1276.9	1298.8	1318.5	1335.1	1349.4	1360.0
12.5°	1128.8	1167.4	1204.1	1236.7	1265.4	1291.4	1312.7	1331.9	1349.4	1363.9	1374.8
10°	1139.8	1178.6	1215.9	1248.5	1277.8	1302.4	1324.2	1342.8	1360.5	1375.0	1386.9
7.5°	1149.5	1188.0	1225.4	1258.3	1285.8	1311.9	1332.8	1352.0	1368.4	1384.0	1395.9
5°	1156.4	1195.0	1232.1	1265.2	1293.0	1318.6	1339.6	1357.3	1373.6	1390.0	1402.9
2.5°	1160.9	1199.1	1236.4	1269.3	1297.9	1323.0	1344.1	1361.4	1378.8	1394.8	1408.0
0°	1163.0	1200.5	1238.1	1270.8	1300.1	1325.1	1345.6	1363.5	1382.0	1398.2	1410.5
-2.5°	1162.0	1199.3	1236.4	1269.5	1297.6	1322.1	1341.9	1359.8	1377.9	1394.5	1408.7
-5°	1158.7	1195.7	1231.8	1265.6	1293.3	1317.2	1336.1	1353.9	1372.1	1389.3	1403.0
-7.5°	1153.1	1189.5	1224.5	1259.0	1288.0	1311.5	1331.1	1348.8	1366.2	1382.5	1396.5
-10°	1145.4	1181.9	1217.2	1252.1	1281.7	1304.5	1324.8	1342.6	1359.5	1376.2	1389.7
-12.5°	1138.7	1175.5	1210.9	1243.8	1273.2	1296.9	1316.6	1335.5	1352.5	1368.1	1380.4
-15°	1129.1	1167.0	1202.1	1233.0	1262.0	1286.4	1306.6	1325.9	1343.6	1356.9	1369.7
-17.5°	1117.0	1155.9	1191.0	1223.6	1247.9	1272.2	1292.8	1312.9	1330.1	1343.9	1354.5
-20°	1101.3	1140.4	1177.0	1205.4	1231.1	1253.4	1276.5	1294.6	1312.5	1327.9	1338.2

Classified

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

Scaled Data Report



REPORT NUMBER: P622912 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-25W-7030

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1084.6	1120.9	1156.2	1186.4	1210.5	1233.9	1254.3	1274.9	1292.5	1306.5	1316.7
-25°	1064.3	1096.8	1131.6	1164.2	1190.0	1210.3	1232.5	1252.2	1268.5	1282.3	1293.4
-27.5°	1040.3	1072.5	1104.3	1136.2	1165.9	1187.8	1206.6	1225.2	1243.2	1256.4	1264.2
-30°	1012.1	1044.4	1075.1	1105.7	1133.2	1157.5	1179.3	1196.5	1211.9	1224.9	1235.3
-32.5°	979.9	1009.8	1042.2	1071.6	1097.2	1121.1	1142.6	1162.6	1177.3	1189.8	1201.5
-35°	946.5	974.3	1001.5	1032.8	1061.1	1082.2	1102.0	1120.3	1137.0	1149.7	1158.6
-37.5°	908.1	941.8	962.6	986.1	1015.6	1044.2	1063.2	1077.7	1093.6	1107.8	1118.5
-40°	856.0	896.7	924.2	942.5	961.5	985.9	1014.4	1030.5	1040.5	1051.4	1063.1
-42.5°	804.8	835.7	869.9	896.4	914.0	929.6	948.5	967.1	981.8	991.3	996.5
-45°	754.9	784.3	810.7	837.6	860.5	876.6	894.5	910.8	924.6	936.6	945.7
-47.5°	700.4	728.6	757.7	782.6	802.5	821.5	840.4	856.6	869.9	880.8	889.9
-50°	639.9	656.0	682.8	715.3	743.4	759.6	773.0	789.5	806.0	820.5	829.9
-52.5°	583.9	594.9	599.4	614.0	639.2	666.6	681.2	688.2	694.1	704.8	718.8
-55°	491.6	528.0	543.6	547.3	548.0	562.6	583.2	597.0	604.1	603.2	610.6
-57.5°	412.3	424.0	450.4	475.5	492.8	496.9	503.8	515.9	528.6	540.3	549.6
-60°	361.9	368.0	370.9	376.0	389.9	409.6	421.6	427.4	427.6	428.0	436.1
-62.5°	277.0	301.9	317.6	323.0	326.4	335.5	347.5	359.5	365.8	369.9	374.6
-65°	221.8	227.3	233.1	238.4	255.5	266.4	266.5	265.6	265.8	273.6	280.9
-67.5°	153.5	158.1	166.4	178.3	184.9	186.3	186.1	186.9	187.1	190.6	196.1
-70°	101.0	110.6	115.9	116.7	117.3	120.9	126.5	133.2	135.4	135.8	137.2
-72.5°	57.7	57.2	56.1	59.3	62.2	64.6	67.8	69.2	68.9	69.0	69.1
-75°	33.1	34.6	34.2	34.4	35.4	36.3	37.3	38.2	38.4	38.8	39.3
-77.5°	23.1	23.9	24.5	25.2	26.0	26.6	27.1	27.6	27.9	28.3	28.7
-80°	15.7	16.4	17.0	17.6	18.1	18.6	19.0	19.3	19.6	19.8	20.0
-82.5°	9.9	10.3	10.7	11.1	11.4	11.6	11.9	12.1	12.2	12.4	12.5
-85°	5.5	5.7	6.0	6.2	6.4	6.5	6.7	6.8	6.9	7.0	7.0
-87.5°	2.5	2.6	2.7	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1
-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: P622912 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-25W-7030

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	0.2	0.2
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°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	4.9	5.0	4.9	4.8	4.9	4.9	4.9	4.8	4.7	4.5	4.4
77.5°	12.7	12.8	12.7	12.6	12.7	12.7	12.7	12.5	12.2	11.8	11.7
75°	24.2	24.3	24.2	24.0	24.2	24.3	24.2	23.9	23.5	23.0	22.7
72.5°	39.7	39.9	39.8	39.6	39.8	39.9	39.7	39.3	38.6	38.1	38.2
70°	59.7	59.4	58.6	57.4	58.7	59.7	60.1	59.9	58.9	58.4	58.5
67.5°	127.0	126.1	122.4	116.9	122.5	126.2	127.0	123.7	116.4	113.4	115.9
65°	226.8	226.4	223.8	219.7	224.4	227.4	228.1	225.7	219.6	214.8	216.8
62.5°	339.6	343.5	342.7	338.1	342.4	343.0	339.2	330.2	322.6	320.6	321.3
60°	449.1	450.7	450.3	448.2	449.9	449.8	447.6	442.6	434.6	436.6	441.1
57.5°	580.7	583.9	585.0	584.0	584.6	583.0	578.8	571.3	563.7	569.4	561.9
55°	719.4	726.1	729.6	727.7	729.5	726.2	719.9	712.7	706.5	681.7	660.5
52.5°	807.8	813.3	814.6	812.7	814.4	812.9	807.2	799.0	791.3	787.2	780.2
50°	902.6	908.0	912.2	913.9	910.6	904.8	897.7	890.7	882.3	869.0	854.4
47.5°	969.8	974.9	978.4	980.3	977.7	973.2	967.1	958.3	949.1	934.5	915.0
45°	1021.4	1027.5	1031.8	1033.7	1030.7	1025.6	1019.1	1012.3	999.6	983.6	968.9
42.5°	1067.1	1071.6	1075.4	1077.6	1075.2	1071.0	1065.6	1056.1	1043.2	1030.6	1015.8
40°	1105.7	1111.6	1116.7	1120.0	1116.9	1112.1	1106.1	1099.4	1085.4	1072.0	1058.0
37.5°	1142.2	1147.4	1150.2	1151.1	1150.3	1147.6	1142.6	1134.9	1122.5	1108.4	1092.2
35°	1174.7	1178.2	1179.5	1178.9	1179.7	1178.5	1175.1	1166.3	1153.3	1138.9	1123.1
32.5°	1203.9	1206.4	1206.7	1204.9	1207.3	1207.7	1205.7	1195.5	1181.5	1165.7	1149.7
30°	1233.8	1236.1	1236.4	1234.6	1237.3	1237.6	1235.9	1224.2	1210.0	1193.1	1176.9
27.5°	1261.3	1264.9	1266.4	1265.8	1267.4	1266.5	1263.3	1252.9	1238.5	1220.2	1206.3
25°	1286.6	1292.0	1295.4	1296.4	1296.5	1294.2	1289.1	1279.3	1265.5	1250.9	1235.1
22.5°	1310.6	1316.5	1320.3	1321.5	1322.1	1320.0	1314.0	1303.9	1291.5	1277.6	1260.9
20°	1332.9	1339.4	1343.2	1344.9	1344.1	1341.6	1335.2	1325.5	1313.7	1299.8	1283.7
17.5°	1351.1	1357.5	1362.1	1364.1	1363.2	1359.8	1353.2	1344.8	1332.1	1318.0	1302.6
15°	1368.6	1375.7	1380.0	1381.2	1380.9	1376.7	1369.6	1360.7	1349.7	1334.4	1318.1
12.5°	1383.5	1391.4	1395.6	1396.1	1395.1	1391.0	1384.3	1375.5	1363.5	1349.4	1332.0
10°	1395.9	1403.2	1407.0	1406.9	1406.5	1402.9	1395.1	1386.5	1375.8	1361.8	1343.7
7.5°	1405.1	1413.6	1415.9	1416.1	1414.2	1410.9	1403.8	1395.8	1386.1	1371.7	1354.2
5°	1413.9	1421.6	1424.1	1421.9	1419.9	1417.2	1412.2	1404.8	1394.3	1379.7	1361.1
2.5°	1417.4	1425.0	1429.4	1426.1	1424.8	1421.8	1416.2	1410.8	1398.8	1383.7	1365.0
0°	1419.4	1426.3	1429.2	1428.1	1425.2	1422.1	1417.5	1409.0	1398.4	1384.4	1366.6
-2.5°	1416.3	1423.0	1424.1	1422.0	1420.2	1417.7	1414.7	1408.1	1396.1	1380.6	1361.2
-5°	1411.7	1416.3	1417.0	1414.5	1413.4	1412.7	1409.6	1402.8	1391.7	1374.9	1353.3
-7.5°	1405.7	1411.3	1410.3	1408.0	1407.8	1406.8	1404.9	1397.8	1385.6	1368.0	1347.8
-10°	1398.4	1403.5	1404.7	1402.2	1403.5	1401.5	1398.5	1390.3	1376.7	1359.1	1338.7
-12.5°	1388.3	1393.4	1396.0	1396.4	1396.7	1394.7	1389.3	1380.2	1367.8	1350.7	1332.7
-15°	1377.4	1383.4	1385.7	1386.3	1386.6	1384.4	1378.7	1369.1	1356.4	1342.2	1324.1
-17.5°	1363.5	1370.4	1373.0	1373.8	1373.1	1370.3	1364.0	1355.6	1343.2	1328.8	1311.7
-20°	1346.8	1353.6	1355.9	1356.2	1355.5	1352.9	1346.8	1338.8	1326.3	1311.2	1296.5



REPORT NUMBER: P622912 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-25W-7030

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1325.0	1329.8	1332.9	1333.5	1333.6	1331.3	1325.3	1316.1	1303.4	1290.5	1275.3
-25°	1299.5	1304.7	1307.7	1308.2	1308.5	1306.1	1299.7	1290.9	1278.6	1265.3	1252.2
-27.5°	1272.8	1279.8	1283.2	1284.2	1283.1	1279.7	1272.6	1262.6	1253.5	1240.9	1224.2
-30°	1242.6	1248.1	1251.5	1252.7	1251.4	1248.0	1242.6	1235.1	1224.3	1210.3	1194.5
-32.5°	1210.2	1216.5	1220.1	1221.4	1220.7	1217.8	1212.5	1203.2	1190.8	1177.1	1162.0
-35°	1166.6	1173.7	1178.1	1179.7	1179.2	1175.8	1169.5	1161.1	1151.3	1137.7	1120.1
-37.5°	1126.0	1131.9	1135.6	1136.8	1136.4	1133.7	1128.7	1121.1	1109.5	1095.4	1079.8
-40°	1072.5	1078.7	1081.5	1080.7	1082.2	1079.8	1073.5	1063.3	1052.5	1041.9	1029.6
-42.5°	1005.2	1011.7	1014.9	1015.1	1015.3	1012.6	1006.9	998.8	992.5	982.6	967.0
-45°	952.9	958.5	962.2	963.7	963.0	960.0	954.7	947.4	937.7	925.4	910.9
-47.5°	897.1	901.8	904.4	904.7	904.7	902.4	897.7	890.4	880.9	870.2	857.7
-50°	836.2	841.0	843.7	843.8	843.8	841.1	836.0	828.9	818.9	805.2	789.4
-52.5°	727.0	730.4	729.4	723.9	728.5	728.3	723.4	713.6	698.9	689.4	684.7
-55°	616.5	620.5	622.5	622.7	621.5	618.5	613.7	607.0	599.1	599.5	591.2
-57.5°	553.7	556.1	557.1	556.1	556.7	555.4	552.9	548.8	539.3	526.4	512.6
-60°	441.4	443.9	444.0	442.1	444.0	443.8	441.3	436.3	428.4	426.8	424.6
-62.5°	378.2	380.7	382.1	382.4	382.0	380.5	377.7	373.7	367.8	362.0	354.4
-65°	283.5	282.3	278.1	271.9	276.2	278.6	278.3	274.5	266.5	259.4	259.4
-67.5°	200.3	203.0	204.4	204.4	203.8	201.8	198.5	194.0	188.3	185.4	186.1
-70°	139.2	141.3	142.7	142.9	142.6	141.0	138.6	135.9	133.3	131.2	127.6
-72.5°	69.2	69.1	68.5	67.1	68.0	68.2	67.8	67.2	66.6	66.1	66.2
-75°	39.6	39.7	39.8	39.7	39.7	39.6	39.4	39.0	38.5	38.0	37.8
-77.5°	28.9	29.1	29.1	29.1	29.1	29.0	28.8	28.5	28.1	27.6	27.3
-80°	20.1	20.2	20.2	20.1	20.1	20.1	20.0	19.8	19.6	19.3	19.1
-82.5°	12.6	12.7	12.7	12.7	12.6	12.6	12.5	12.4	12.3	12.1	11.9
-85°	7.1	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.8	6.7	6.6
-87.5°	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622912 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-25W-7030

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°	0.2	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	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	4.2	3.9	3.6	3.4	3.2	3.0	2.7	2.4	2.1	1.9	1.5
77.5°	11.5	11.1	10.6	10.0	9.4	9.1	8.5	7.8	7.1	6.4	5.6
75°	22.2	21.6	20.9	19.8	18.8	18.1	17.2	16.0	14.8	13.2	11.8
72.5°	37.6	36.3	34.8	33.5	33.1	33.0	30.7	27.7	25.7	23.4	21.2
70°	58.9	58.8	57.8	56.0	56.7	57.6	56.9	54.7	50.5	43.3	35.6
67.5°	119.5	120.0	112.2	99.5	98.0	99.8	97.5	91.4	84.7	78.6	71.2
65°	220.5	222.6	205.0	184.6	190.7	189.6	169.2	159.3	154.5	129.4	115.6
62.5°	320.8	319.8	309.2	282.6	279.9	276.2	254.7	245.4	230.2	203.5	191.1
60°	441.1	416.7	390.3	390.4	389.6	371.7	348.1	332.4	308.3	287.0	261.2
57.5°	534.1	513.3	508.0	499.9	484.5	464.8	460.2	422.9	397.4	368.5	336.6
55°	656.4	657.6	643.9	606.2	573.7	558.3	542.2	526.6	505.9	439.2	417.3
52.5°	767.3	740.6	721.9	708.1	689.9	656.3	626.7	596.9	568.4	536.4	486.0
50°	834.9	822.0	805.0	778.4	748.0	730.6	708.1	675.8	634.6	591.1	556.1
47.5°	901.6	887.7	866.8	838.9	816.4	787.9	759.5	734.5	690.6	652.4	605.3
45°	953.3	936.1	911.4	890.0	866.8	838.9	811.9	774.0	740.2	698.8	657.0
42.5°	999.4	977.4	953.8	932.9	905.5	880.0	851.3	816.4	777.5	739.8	697.3
40°	1040.4	1015.9	993.9	966.9	942.4	916.3	881.4	849.3	813.4	773.5	733.3
37.5°	1074.4	1052.2	1027.5	1001.1	973.7	944.6	912.9	875.7	841.3	804.3	763.6
35°	1105.9	1082.1	1057.7	1030.5	1003.1	974.1	939.3	903.3	865.3	828.2	789.8
32.5°	1134.0	1113.3	1087.0	1057.9	1030.6	1001.9	968.3	928.5	888.2	849.6	813.2
30°	1161.2	1142.9	1117.7	1087.7	1058.5	1029.1	995.1	955.5	911.1	871.4	834.4
27.5°	1189.3	1169.8	1147.3	1117.8	1086.5	1055.0	1021.5	981.7	937.2	894.2	854.6
25°	1217.1	1197.1	1171.8	1144.3	1112.3	1079.5	1045.8	1006.8	964.2	917.8	874.0
22.5°	1243.3	1220.9	1194.9	1166.2	1135.5	1100.9	1066.3	1027.8	985.2	939.8	893.3
20°	1264.7	1242.2	1215.3	1186.5	1155.1	1121.1	1085.2	1045.7	1003.3	959.8	911.8
17.5°	1283.6	1260.7	1234.4	1204.2	1173.3	1139.4	1101.8	1061.8	1018.5	975.5	928.3
15°	1300.0	1277.7	1250.8	1221.4	1190.3	1155.1	1117.4	1076.8	1031.3	987.7	942.3
12.5°	1313.6	1291.8	1265.6	1237.0	1204.3	1169.1	1130.1	1088.5	1043.0	998.3	953.1
10°	1324.6	1302.6	1277.7	1248.7	1216.3	1181.5	1140.7	1099.1	1054.9	1008.6	962.1
7.5°	1333.7	1311.3	1286.8	1257.5	1225.8	1189.7	1148.3	1107.3	1064.0	1017.2	969.2
5°	1340.4	1317.5	1292.3	1263.8	1232.3	1195.5	1153.6	1112.2	1070.4	1023.5	974.3
2.5°	1343.4	1320.2	1295.9	1267.7	1236.3	1198.7	1156.5	1114.5	1074.2	1027.6	977.4
0°	1343.3	1320.4	1297.2	1268.9	1237.6	1199.4	1156.8	1114.5	1075.6	1029.5	978.3
-2.5°	1339.1	1317.5	1295.3	1268.2	1235.9	1197.1	1155.4	1115.0	1076.1	1029.8	978.7
-5°	1332.7	1312.7	1291.2	1265.3	1231.4	1192.2	1151.6	1113.6	1074.4	1027.6	976.9
-7.5°	1327.4	1307.2	1285.8	1259.2	1224.4	1184.4	1145.9	1110.3	1070.5	1022.9	973.0
-10°	1321.4	1302.3	1280.9	1252.2	1215.4	1174.8	1138.9	1104.9	1064.4	1015.8	967.4
-12.5°	1314.1	1296.4	1273.6	1243.5	1206.7	1168.9	1132.9	1097.7	1055.4	1006.6	961.1
-15°	1305.4	1287.0	1263.2	1232.3	1196.8	1161.0	1126.2	1089.2	1044.9	996.4	954.4
-17.5°	1294.8	1273.8	1248.7	1219.3	1186.1	1150.8	1115.9	1078.6	1031.0	985.4	944.6
-20°	1278.9	1256.6	1230.4	1201.4	1171.8	1138.2	1103.3	1064.0	1015.2	972.6	931.9

Classified

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

Scaled Data Report



REPORT NUMBER: P622912 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF25-XX-PC-25W-7030

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1258.3	1235.5	1208.4	1181.3	1151.0	1120.9	1088.9	1043.9	999.1	958.6	916.4
-25°	1233.4	1209.9	1185.0	1156.5	1129.8	1101.8	1066.8	1021.1	981.0	941.2	898.1
-27.5°	1204.6	1183.2	1156.3	1132.4	1107.9	1076.8	1037.1	998.7	960.9	920.9	878.2
-30°	1175.1	1152.2	1129.8	1108.9	1080.2	1045.8	1006.9	972.8	936.8	898.8	858.7
-32.5°	1140.6	1120.4	1100.6	1076.9	1047.2	1009.7	978.1	944.7	907.3	874.3	833.9
-35°	1102.9	1085.8	1065.3	1037.7	1005.7	977.5	946.6	908.4	871.1	841.5	801.5
-37.5°	1066.1	1045.2	1017.2	989.1	967.3	942.5	903.1	863.2	833.5	800.0	762.2
-40°	1011.4	985.8	962.8	943.9	922.5	888.0	848.1	819.2	790.1	757.8	718.8
-42.5°	946.2	928.5	914.0	893.6	863.4	828.1	797.7	773.3	746.0	712.0	674.1
-45°	894.8	877.6	859.4	834.3	807.2	778.9	751.4	727.0	697.8	665.2	621.7
-47.5°	841.4	823.4	803.8	781.3	755.0	726.3	698.6	677.2	648.8	608.7	559.1
-50°	773.0	759.9	742.5	712.6	678.0	652.2	639.1	623.7	583.8	535.1	498.3
-52.5°	678.0	660.7	630.4	606.5	595.4	590.0	576.1	542.9	497.2	468.8	451.0
-55°	576.8	556.6	541.1	540.5	535.5	517.8	480.9	448.0	434.6	420.0	396.4
-57.5°	499.4	491.1	485.1	465.4	440.4	416.5	406.2	397.0	380.1	348.6	323.6
-60°	416.2	403.0	383.6	370.6	366.3	362.5	352.4	325.4	296.0	280.6	266.9
-62.5°	342.1	330.8	322.7	318.3	307.4	288.7	271.2	256.2	241.8	224.7	209.3
-65°	258.6	255.4	250.7	244.0	233.2	222.4	209.8	194.8	180.3	166.2	158.0
-67.5°	185.1	183.9	179.8	170.4	157.8	149.5	145.8	139.7	134.4	118.4	105.1
-70°	121.2	116.3	113.4	111.0	107.8	103.2	95.0	86.9	81.9	78.8	75.0
-72.5°	65.4	63.4	61.4	57.7	53.0	53.9	55.0	54.3	49.9	43.2	37.3
-75°	37.0	36.1	35.3	34.4	34.0	33.8	32.1	29.6	28.2	26.6	25.7
-77.5°	26.9	26.4	25.8	25.0	24.3	23.6	22.7	21.8	20.7	19.5	18.3
-80°	18.8	18.4	17.9	17.4	16.8	16.1	15.3	14.5	13.8	13.0	12.0
-82.5°	11.7	11.4	11.1	10.8	10.4	10.0	9.6	9.1	8.6	8.1	7.5
-85°	6.4	6.3	6.1	5.9	5.7	5.5	5.2	4.9	4.7	4.4	4.1
-87.5°	2.9	2.8	2.8	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8
-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: P622912 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-25W-7030

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	0.3	0.3	0.3	0.3	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°	1.3	1.0	0.7	0.6	0.5	0.4	0.5	0.4	0.4	0.4	0.4
77.5°	4.9	4.0	3.3	2.3	1.7	1.2	0.9	0.8	0.7	0.6	0.5
75°	10.1	9.0	7.8	6.6	5.2	3.7	2.3	1.6	1.2	0.9	0.7
72.5°	18.5	15.9	13.5	11.1	9.5	7.7	5.6	3.6	2.3	1.5	1.1
70°	33.0	27.8	21.9	18.3	14.9	11.7	9.2	6.8	4.4	2.6	1.6
67.5°	62.1	51.5	41.7	31.2	22.4	17.5	13.3	10.0	7.2	4.6	2.6
65°	103.1	86.0	72.6	57.6	40.8	26.8	19.1	14.0	10.1	7.0	4.1
62.5°	158.0	138.2	112.6	89.9	70.8	48.5	29.4	19.2	13.7	9.4	6.1
60°	229.4	200.7	167.7	138.8	101.2	76.3	50.9	28.0	18.0	12.3	8.1
57.5°	305.8	266.8	230.0	190.6	150.6	105.3	76.3	47.8	23.3	15.9	10.3
55°	378.5	340.6	295.5	248.4	195.3	147.5	102.9	70.6	39.6	20.0	12.9
52.5°	448.2	409.4	365.9	307.3	244.3	189.1	135.8	93.2	59.1	24.8	16.1
50°	510.5	470.2	429.5	366.4	296.5	231.2	174.0	119.6	78.9	41.9	19.9
47.5°	566.0	520.5	481.2	418.6	346.9	275.6	209.4	150.0	98.4	59.0	25.1
45°	611.1	567.9	515.9	465.5	395.1	319.1	246.4	180.5	122.6	75.8	35.2
42.5°	652.6	608.6	551.8	496.6	436.1	361.4	283.0	211.0	146.4	92.2	49.3
40°	688.3	640.0	587.5	526.1	471.8	398.3	319.3	241.5	168.7	109.2	62.7
37.5°	721.0	670.6	617.8	557.1	496.7	432.2	352.7	270.4	194.2	128.2	75.4
35°	748.5	700.9	645.7	586.4	520.5	462.8	382.1	298.4	218.5	145.8	87.6
32.5°	773.7	726.7	671.7	612.8	545.2	482.6	408.0	326.8	241.7	162.2	99.2
30°	794.9	751.2	696.8	636.3	568.5	500.7	434.8	351.2	263.2	179.3	110.7
27.5°	814.7	771.8	718.9	657.7	590.7	518.4	457.4	373.4	283.1	196.7	123.2
25°	832.1	787.8	739.3	677.4	611.4	537.7	472.5	392.8	302.7	212.8	134.6
22.5°	848.4	803.2	757.2	695.2	629.6	556.2	486.2	410.2	321.1	228.0	145.1
20°	864.0	818.8	771.6	712.8	646.1	573.3	498.4	426.5	337.3	241.8	154.7
17.5°	878.7	830.8	782.0	727.8	661.2	588.6	510.0	440.4	351.0	254.0	163.2
15°	892.1	842.9	791.8	739.9	674.2	601.6	521.6	451.2	363.1	264.5	170.8
12.5°	902.8	853.5	803.0	749.7	684.8	611.7	531.8	458.5	373.5	273.6	177.8
10°	911.0	862.2	812.2	756.6	693.5	619.5	540.2	464.5	381.3	281.0	184.2
7.5°	916.9	869.1	819.1	761.7	700.1	625.4	547.0	469.2	387.2	287.0	189.4
5°	921.0	874.0	823.9	765.2	704.6	629.5	551.9	472.4	391.5	291.4	193.2
2.5°	923.0	876.9	827.0	766.9	707.3	631.7	554.8	474.1	394.1	294.2	195.7
0°	922.9	878.1	828.4	766.9	708.1	632.1	555.8	474.4	395.1	295.5	196.9
-2.5°	925.3	879.6	829.3	769.4	710.3	634.7	557.5	475.7	396.5	297.1	198.1
-5°	925.7	879.2	828.5	770.4	710.7	635.3	557.1	475.4	396.3	297.1	198.0
-7.5°	924.3	876.8	826.1	769.7	709.2	633.9	554.7	473.6	394.7	295.6	196.5
-10°	921.5	872.2	822.1	767.6	705.7	630.4	550.4	470.3	391.6	292.6	193.6
-12.5°	916.8	865.5	816.7	764.1	700.0	624.5	544.5	465.4	386.9	288.2	189.4
-15°	909.4	857.3	810.2	758.0	692.5	616.5	537.0	459.1	380.1	282.2	184.2
-17.5°	898.2	847.6	802.1	749.9	682.9	607.2	528.0	451.1	372.1	274.9	177.9
-20°	883.8	837.6	793.3	738.4	671.3	596.1	516.9	441.6	363.1	265.2	170.2



REPORT NUMBER: P622912 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF25-XX-PC-25W-7030

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	868.6	824.7	779.8	724.1	657.0	581.2	503.0	430.7	350.0	253.7	161.0
-25°	853.3	808.1	760.8	702.7	637.5	564.7	488.2	418.3	334.2	240.6	151.5
-27.5°	835.9	788.3	737.3	678.8	613.2	548.5	473.2	404.6	317.5	226.2	141.8
-30°	812.4	764.7	710.0	650.5	587.5	523.9	456.9	389.6	301.5	210.2	131.0
-32.5°	785.2	735.2	680.0	617.0	560.0	495.5	437.0	372.3	283.3	192.9	120.4
-35°	753.3	701.6	644.5	586.3	533.3	470.8	413.8	345.9	261.4	174.3	109.3
-37.5°	716.0	663.5	604.7	555.7	499.8	444.3	388.5	316.7	238.0	156.1	98.4
-40°	674.7	618.6	569.2	524.7	468.7	415.9	356.8	288.4	212.8	139.0	88.5
-42.5°	624.4	575.4	536.2	485.7	436.7	384.2	317.8	255.4	183.7	122.3	78.0
-45°	571.5	537.5	497.9	450.9	402.3	345.1	286.4	221.4	156.3	105.4	66.9
-47.5°	521.8	494.4	457.2	412.1	361.2	301.7	248.6	186.7	132.7	92.5	57.3
-50°	476.4	446.2	412.3	367.9	310.7	265.4	209.7	153.9	112.2	77.8	49.7
-52.5°	425.8	391.5	360.4	312.2	271.2	222.5	170.2	127.9	92.7	62.7	42.5
-55°	361.8	335.7	299.1	267.0	225.4	179.1	137.8	106.1	73.7	53.0	35.1
-57.5°	304.0	274.6	250.0	218.0	178.5	140.6	113.1	80.5	57.6	43.4	27.3
-60°	244.6	224.0	197.9	167.7	137.0	114.2	84.5	60.5	47.0	33.9	18.9
-62.5°	190.5	172.9	146.4	125.6	110.8	82.1	59.7	47.5	36.8	24.4	10.5
-65°	141.1	120.8	108.7	99.6	71.1	54.6	45.2	36.7	26.6	15.0	8.7
-67.5°	97.4	91.1	75.1	57.1	46.8	40.7	34.2	26.1	16.6	9.9	6.9
-70°	62.7	50.8	42.2	38.9	35.0	30.0	23.5	15.8	10.6	7.8	5.3
-72.5°	34.1	32.9	31.0	28.3	24.5	19.5	13.2	10.5	8.1	5.8	4.0
-75°	25.1	23.6	21.3	18.2	14.3	12.2	9.9	7.8	5.9	4.2	2.9
-77.5°	16.8	14.7	13.2	11.7	10.2	8.7	7.0	5.5	4.1	3.0	2.1
-80°	11.0	10.0	8.9	7.8	6.8	5.8	4.7	3.7	2.8	2.1	1.5
-82.5°	6.8	6.1	5.5	4.9	4.3	3.7	3.0	2.4	1.9	1.5	1.1
-85°	3.7	3.4	3.0	2.7	2.4	2.1	1.8	1.5	1.2	1.0	0.8
-87.5°	1.7	1.5	1.4	1.3	1.1	1.0	0.9	0.8	0.7	0.6	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	0.6	0.5	0.4	0.3	0.3	0.2	0.0
72.5°	0.8	0.6	0.4	0.4	0.3	0.2	0.0
70°	1.1	0.7	0.5	0.4	0.3	0.2	0.0
67.5°	1.6	1.0	0.6	0.4	0.4	0.3	0.0
65°	2.3	1.3	0.7	0.5	0.4	0.3	0.0
62.5°	3.2	1.8	0.9	0.5	0.4	0.3	0.0
60°	4.7	2.4	1.1	0.6	0.4	0.3	0.0
57.5°	6.4	3.2	1.5	0.7	0.4	0.3	0.0
55°	8.0	4.1	1.9	0.8	0.5	0.3	0.0
52.5°	9.6	5.4	2.3	1.0	0.5	0.3	0.0
50°	11.6	6.7	2.9	1.1	0.5	0.3	0.0
47.5°	13.7	7.9	3.5	1.3	0.6	0.4	0.0
45°	16.9	9.1	4.2	1.5	0.6	0.4	0.0
42.5°	20.1	10.3	5.1	1.8	0.6	0.4	0.0
40°	25.6	11.7	5.9	2.0	0.6	0.4	0.0
37.5°	31.4	13.0	6.7	2.3	0.7	0.4	0.0
35°	40.0	15.1	7.5	2.6	0.7	0.4	0.0
32.5°	49.8	17.7	8.3	3.0	0.8	0.4	0.0
30°	59.0	20.1	8.9	3.4	0.9	0.4	0.0
27.5°	67.5	23.1	9.6	3.7	0.9	0.4	0.0
25°	75.4	27.5	10.2	4.0	1.0	0.4	0.0
22.5°	82.6	31.8	10.9	4.3	1.0	0.4	0.0
20°	89.2	36.0	11.5	4.6	1.1	0.4	0.0
17.5°	95.2	40.0	12.0	4.9	1.1	0.4	0.0
15°	100.6	44.1	12.5	5.2	1.2	0.4	0.0
12.5°	105.2	48.0	12.9	5.5	1.2	0.4	0.0
10°	109.2	51.3	13.2	5.7	1.2	0.4	0.0
7.5°	112.4	54.1	13.4	5.8	1.3	0.4	0.0
5°	115.0	56.4	13.6	6.0	1.3	0.4	0.0
2.5°	116.8	58.0	13.7	6.1	1.3	0.4	0.0
0°	117.9	59.1	13.8	6.1	1.3	0.4	0.0
-2.5°	118.3	59.4	14.4	6.1	1.3	0.5	0.0
-5°	118.0	59.1	15.0	6.1	1.3	0.5	0.0
-7.5°	116.9	58.3	15.5	6.1	1.4	0.5	0.0
-10°	115.1	56.9	15.8	6.0	1.4	0.5	0.0
-12.5°	112.5	55.0	16.0	5.9	1.4	0.5	0.0
-15°	109.1	52.5	16.0	5.8	1.4	0.5	0.0
-17.5°	105.0	49.7	15.9	5.6	1.3	0.5	0.0
-20°	100.0	46.7	15.6	5.3	1.3	0.5	0.0

Classified

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

Scaled Data Report



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	94.9	43.4	15.2	5.1	1.3	0.5	0.0
-25°	89.4	39.7	14.5	4.9	1.3	0.5	0.0
-27.5°	83.4	35.7	13.6	4.6	1.2	0.5	0.0
-30°	76.9	32.9	12.6	4.3	1.2	0.5	0.0
-32.5°	69.8	30.3	11.3	4.0	1.1	0.5	0.0
-35°	62.1	27.4	9.8	3.6	1.0	0.5	0.0
-37.5°	54.7	24.6	8.5	3.3	1.0	0.4	0.0
-40°	48.4	22.2	7.8	3.0	0.9	0.4	0.0
-42.5°	42.0	19.5	7.0	2.8	0.9	0.4	0.0
-45°	37.1	16.4	6.2	2.5	0.9	0.4	0.0
-47.5°	31.8	13.1	5.5	2.1	0.8	0.4	0.0
-50°	26.9	9.4	4.9	1.9	0.8	0.4	0.0
-52.5°	21.6	8.2	4.1	1.7	0.7	0.4	0.0
-55°	16.0	7.1	3.6	1.5	0.7	0.4	0.0
-57.5°	9.9	6.0	3.0	1.3	0.7	0.4	0.0
-60°	8.4	5.0	2.4	1.2	0.6	0.4	0.0
-62.5°	7.0	4.1	2.1	1.0	0.6	0.4	0.0
-65°	5.6	3.3	1.7	0.9	0.6	0.4	0.0
-67.5°	4.4	2.6	1.4	0.8	0.5	0.3	0.0
-70°	3.3	2.0	1.2	0.8	0.5	0.3	0.0
-72.5°	2.5	1.6	1.0	0.7	0.5	0.3	0.0
-75°	1.8	1.3	0.9	0.6	0.4	0.2	0.0
-77.5°	1.4	1.0	0.8	0.6	0.4	0.2	0.0
-80°	1.1	0.9	0.7	0.5	0.3	0.2	0.0
-82.5°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
-85°	0.7	0.6	0.4	0.3	0.2	0.1	0.0
-87.5°	0.4	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)