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: STREETWORKS

Report Number: P417118

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T2R-FL**

Issue Date: 10/26/2020

Report Generated By E9812814

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P417118
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab:	INNOVATION CENTER
Issue Date:	10/26/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	LXF.LXT-PA1-90-730-U-T2R-FL
Description:	DECORATIVE POST TOP LUMINAIRE
	(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8093 lumens
Efficiency:	N/A
Efficacy:	86.1 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification:	Type III - Short - Non-Cutoff
BUG Rating:	B2 - U3 - G3

Input Watts (W):	94
Input Voltage (V):	NR
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:	28.75 FT

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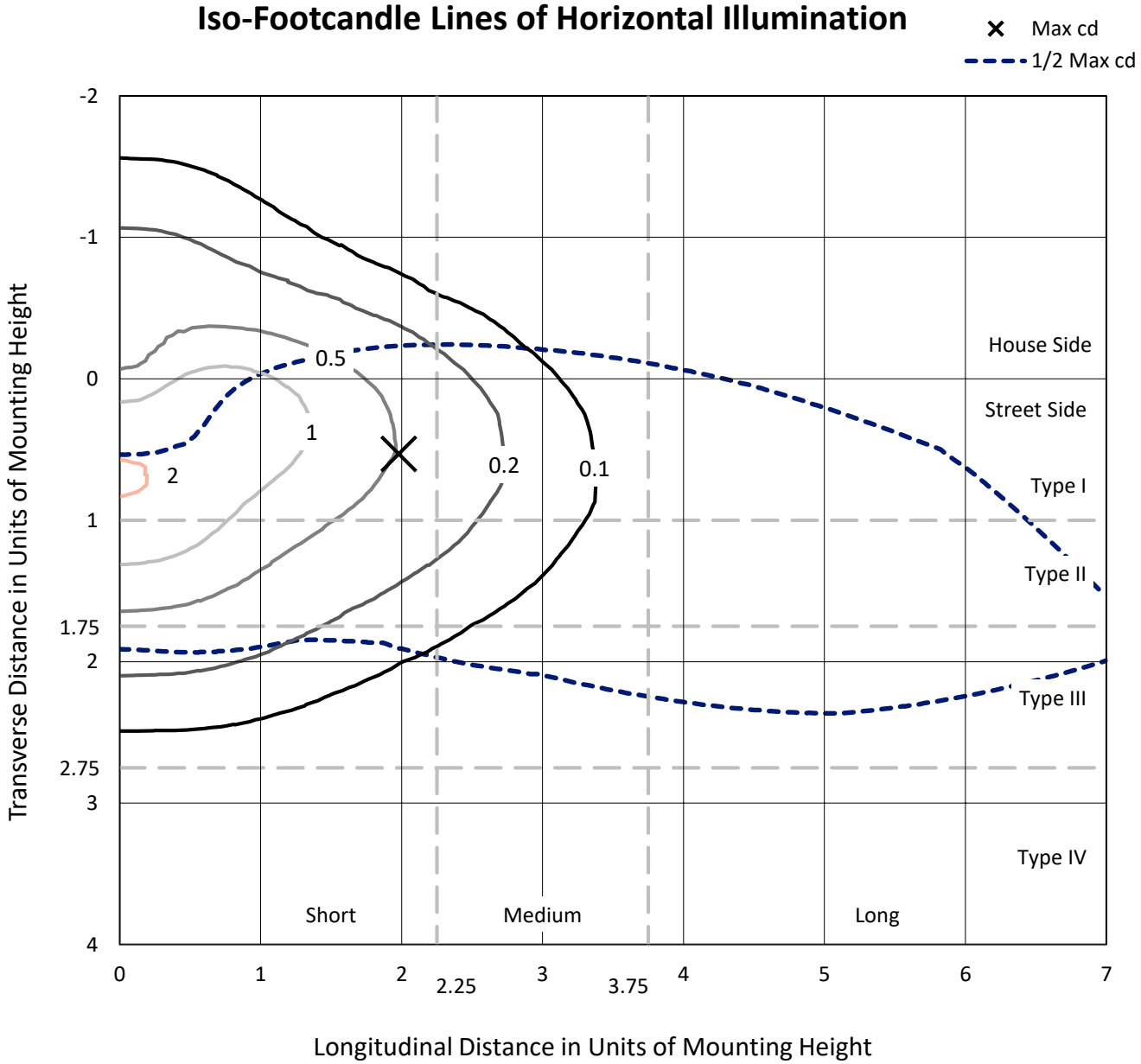
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type III - Short - Non-Cutoff

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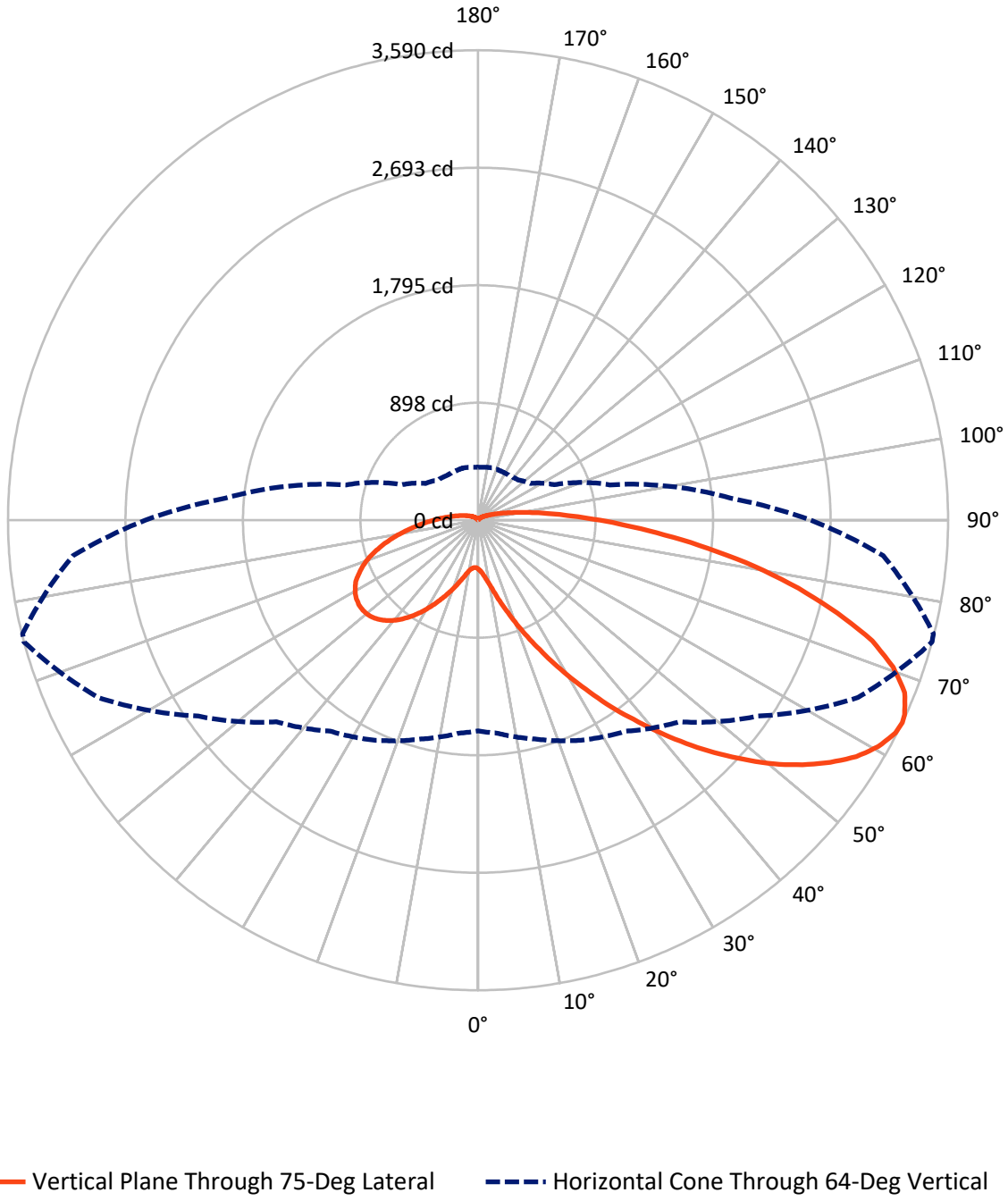
Luminous Intensity Polar Plot



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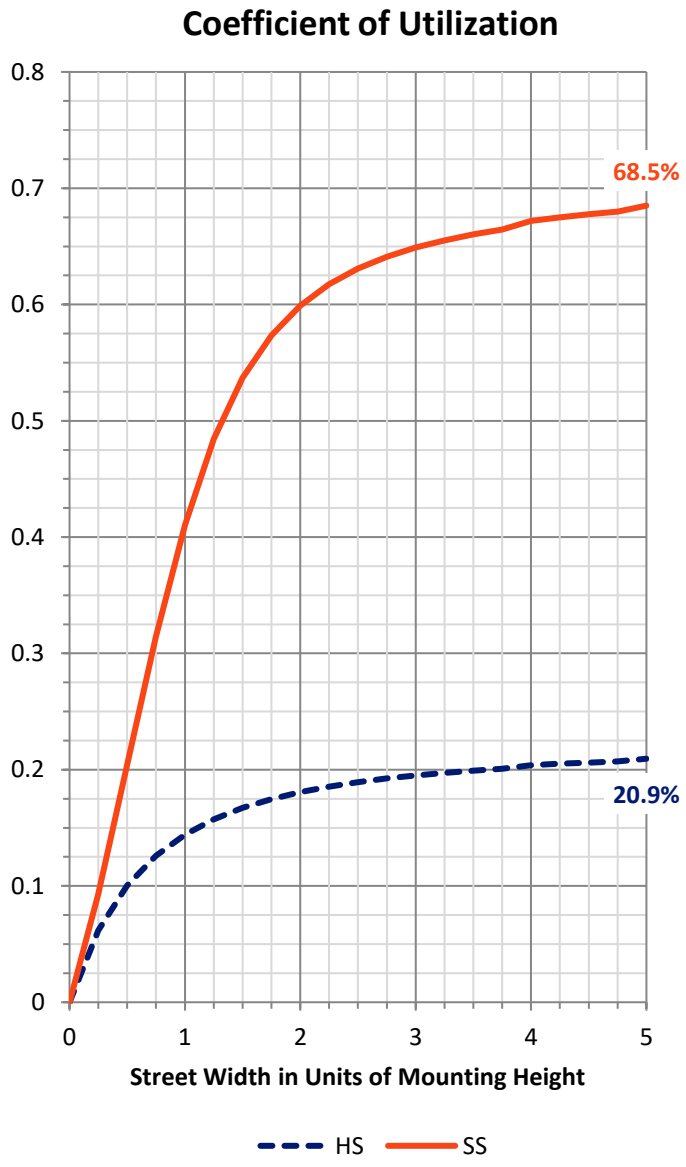
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1785.0	235.1	2020.1
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	5715.3	357.6	6072.9
	% Fixture	70.6	4.4	75.0
Total	Lumens	7500.3	592.7	8093.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	0.5
10°-20°	163.3	2.0
20°-30°	413.2	5.1
30°-40°	809.3	10.0
40°-50°	1259.0	15.6
50°-60°	1544.0	19.1
60°-70°	1501.0	18.5
70°-80°	1132.0	14.0
80°-90°	639.2	7.9
90°-100°	301.5	3.7
100°-110°	145.6	1.8
110°-120°	76.4	0.9
120°-130°	41.1	0.5
130°-140°	20.1	0.2
140°-150°	6.9	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7500.3	92.7
0°-180°	8093.0	100.0



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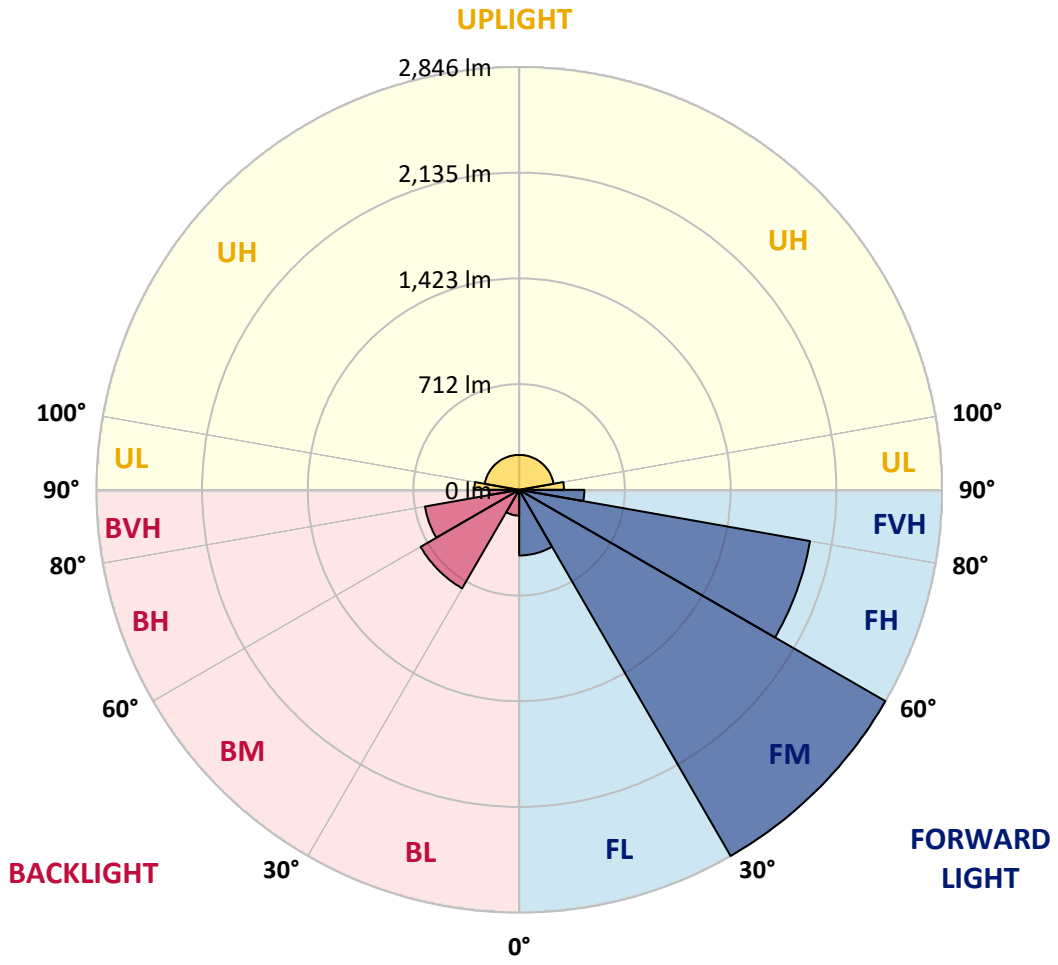
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	442.1	5.5			
FM	(30°-60°)	2846.3	35.2			
FH	(60°-80°)	1988.5	24.6			G2/5000
FVH	(80°-90°)	438.4	5.4			G3/500
BL	(0°-30°)	173.6	2.1	B1/500		
BM	(30°-60°)	766.1	9.5	B1/1000		
BH	(60°-80°)	644.5	8.0	B2/1000		G2/1000
BVH	(80°-90°)	200.8	2.5			G2/225
UL	(90°-100°)	301.5	3.7		U3/500	
UH	(100°-180°)	235.1	2.9		U3/500	

BUG Rating: B2-U3-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	*373.1*	373.1	373.1
2.5°	435.0	431.1	429.1	428.1	421.3	414.4	406.5	398.7	*389.8*	387.9	380.0
5°	502.8	497.8	495.9	490.0	480.2	468.4	451.7	436.0	*416.3*	417.3	399.6
7.5°	580.3	576.4	570.5	561.7	546.9	531.2	506.7	483.1	*456.6*	453.7	428.1
10°	668.7	665.8	659.9	646.1	627.5	600.9	576.4	541.0	*503.7*	501.8	464.5
12.5°	774.8	770.8	754.1	740.4	715.8	691.3	654.0	611.7	*571.5*	566.6	520.4
15°	894.5	888.7	876.9	855.3	828.8	788.5	749.2	707.0	*654.0*	645.1	591.1
17.5°	1017.3	1017.3	1002.6	977.0	940.7	905.3	862.1	809.1	*742.3*	741.4	669.7
20°	1171.5	1169.5	1146.9	1109.6	1073.3	1035.9	983.9	924.0	*849.4*	842.5	755.1
22.5°	1338.4	1336.4	1308.9	1268.7	1221.5	1168.5	1110.6	1047.7	*966.2*	957.4	855.3
25°	1519.1	1518.1	1489.6	1427.7	1367.8	1317.8	1257.9	1188.1	*1093.9*	1091.9	969.2
27.5°	1739.0	1728.2	1684.0	1608.4	1532.8	1468.0	1398.3	1335.4	*1241.2*	1226.4	1090.0
30°	1951.1	1945.2	1885.3	1803.8	1699.7	1614.3	1543.6	1495.5	*1398.3*	1384.5	1231.4
32.5°	2170.1	2166.2	2093.5	1999.2	1870.6	1764.5	1709.6	1657.5	*1564.2*	1558.3	1370.8
35°	2412.6	2396.9	2313.5	2183.8	2034.6	1915.8	1866.7	1843.1	*1750.8*	1729.2	1524.0
37.5°	2611.0	2599.2	2523.6	2365.5	2189.7	2062.1	2024.8	2009.1	*1929.5*	1920.7	1689.9
40°	2802.5	2793.6	2701.3	2530.5	2330.1	2202.5	2165.2	2191.7	*2127.9*	2114.1	1856.9
42.5°	2940.9	2929.1	2843.7	2662.0	2451.9	2317.4	2316.4	2377.3	*2331.1*	2316.4	2029.7
45°	3023.4	3011.6	2940.9	2766.1	2547.2	2417.5	2440.1	2547.2	*2533.4*	2515.7	2187.8
47.5°	3031.3	3024.4	2973.3	2811.3	2605.1	2496.1	2560.9	2714.1	*2728.8*	2712.1	2356.7
50°	2959.6	2966.4	2934.0	2805.4	2625.7	2547.2	2659.1	2872.2	*2926.2*	2906.5	2524.6
52.5°	2824.1	2816.2	2830.0	2738.6	2604.1	2564.8	2725.9	3004.7	*3103.9*	3084.3	2679.7
55°	2598.2	2604.1	2652.2	2617.9	2536.4	2544.2	2766.1	3109.8	*3265.0*	3249.2	2820.1
57.5°	2360.6	2346.8	2433.2	2439.1	2416.6	2489.2	2771.0	3189.3	*3407.3*	3390.6	2940.9
60°	2049.3	2082.7	2160.3	2227.0	2266.3	2397.9	2738.6	3230.6	*3511.4*	3506.5	3038.1
62.5°	1780.3	1787.1	1892.2	1993.3	2087.6	2269.3	2667.0	3229.6	*3579.2*	3573.3	3096.1
64°	*1609.4*	*1632.0*	*1731.2*	*1853.9*	*1966.8*	*2177.0*	*2608.0*	*3202.1*	*3590.0*	*3585.1*	*3105.9*
65°	1516.1	1513.2	1632.0	1755.7	1877.5	2107.2	2548.1	3172.7	*3580.2*	3580.2	3102.0
67.5°	1259.8	1269.6	1373.7	1516.1	1666.4	1922.6	2395.0	3067.6	*3515.3*	3522.2	3045.0
70°	1038.9	1053.6	1167.5	1294.2	1460.1	1737.1	2205.4	2878.1	*3363.1*	3373.0	2922.3
72.5°	857.2	873.9	957.4	1085.0	1268.7	1541.6	1991.4	2640.4	*3148.1*	3152.0	2717.0
75°	697.2	715.8	800.3	911.2	1070.3	1331.5	1757.7	2382.2	*2834.9*	2854.5	2451.9
77.5°	567.6	587.2	664.8	764.9	916.2	1139.1	1525.9	2083.7	*2502.0*	2513.8	2148.5
80°	458.6	479.2	547.9	642.2	773.8	970.2	1308.9	1778.3	*2142.6*	2142.6	1836.2
82.5°	372.2	389.8	451.7	533.2	653.0	818.9	1099.8	1477.8	*1771.4*	1772.4	1517.1
85°	300.5	311.3	372.2	443.8	543.0	686.4	909.3	1202.9	*1428.7*	1408.1	1222.5
87.5°	241.6	251.4	302.4	372.2	450.7	572.5	746.3	979.0	*1123.3*	1130.2	976.0
90°	194.4	200.3	247.4	306.4	379.0	473.3	606.8	778.7	*883.7*	874.9	764.9
92.5°	158.1	165.0	205.2	258.3	319.1	397.7	499.8	616.7	*684.4*	686.4	598.0
95°	129.6	133.5	170.9	218.0	273.0	332.9	407.5	491.0	*537.1*	531.2	465.4
97.5°	108.0	110.0	144.3	186.6	231.7	280.8	339.8	390.8	*416.3*	412.4	364.3
100°	91.3	93.3	122.7	162.0	200.3	239.6	280.8	315.2	*324.0*	319.1	286.7
102.5°	79.5	80.5	105.1	140.4	172.8	205.2	233.7	255.3	*254.3*	254.3	226.8
105°	69.7	70.7	91.3	122.7	152.2	177.7	197.4	208.2	*204.2*	202.3	181.7
107.5°	62.8	63.8	80.5	108.0	134.5	154.2	168.9	171.8	*164.0*	162.0	147.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	57.0	57.0	70.7	95.2	118.8	134.5	144.3	144.3	*132.6*	131.6	121.8
112.5°	52.0	53.0	63.8	84.4	105.1	118.8	124.7	119.8	*109.0*	108.0	103.1
115°	48.1	49.1	57.0	75.6	93.3	105.1	108.0	101.1	*90.3*	89.4	85.4
117.5°	45.2	46.2	52.0	66.8	83.5	92.3	93.3	86.4	*75.6*	74.6	73.6
120°	43.2	43.2	48.1	59.9	73.6	81.5	80.5	73.6	*64.8*	63.8	63.8
122.5°	41.2	41.2	44.2	53.0	64.8	71.7	70.7	62.8	*55.0*	55.0	55.0
125°	39.3	39.3	41.2	48.1	57.9	62.8	60.9	54.0	*47.1*	47.1	49.1
127.5°	37.3	37.3	38.3	42.2	51.1	54.0	52.0	45.2	*41.2*	41.2	42.2
130°	35.3	35.3	35.3	38.3	44.2	46.2	44.2	38.3	*35.3*	35.3	37.3
132.5°	33.4	33.4	33.4	33.4	37.3	39.3	36.3	31.4	*30.4*	31.4	32.4
135°	31.4	31.4	30.4	29.5	31.4	32.4	29.5	26.5	*26.5*	26.5	28.5
137.5°	29.5	28.5	27.5	26.5	25.5	25.5	23.6	20.6	*22.6*	22.6	24.5
140°	26.5	25.5	24.5	22.6	20.6	19.6	17.7	16.7	*18.7*	18.7	19.6
142.5°	23.6	22.6	21.6	18.7	15.7	13.7	11.8	12.8	*14.7*	14.7	15.7
145°	19.6	19.6	17.7	14.7	11.8	9.8	7.9	8.8	*10.8*	10.8	11.8
147.5°	16.7	15.7	14.7	11.8	7.9	5.9	3.9	5.9	*7.9*	7.9	8.8
150°	12.8	11.8	10.8	7.9	4.9	2.0	2.0	3.9	*4.9*	4.9	5.9
152.5°	8.8	8.8	7.9	4.9	2.0	0.0	1.0	2.0	*2.9*	2.9	3.9
155°	5.9	4.9	3.9	2.9	1.0	0.0	0.0	1.0	*2.0*	2.0	2.0
157.5°	2.9	2.9	2.0	2.0	0.0	0.0	0.0	0.0	*1.0*	1.0	1.0
160°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0
180°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1
2.5°	375.1	371.2	362.3	354.5	346.6	339.8	335.8	330.9	329.9	329.0	329.0
5°	388.8	380.0	362.3	345.6	329.9	317.2	307.3	297.5	292.6	290.7	289.7
7.5°	412.4	398.7	370.2	344.7	321.1	301.5	285.7	274.0	267.1	263.2	262.2
10°	444.8	425.2	385.9	350.6	319.1	293.6	274.0	260.2	251.4	247.4	246.5
12.5°	495.9	464.5	415.4	365.3	324.0	292.6	270.0	255.3	251.4	247.4	247.4
15°	553.8	522.4	454.6	392.8	339.8	298.5	278.9	269.1	263.2	260.2	259.2
17.5°	628.4	580.3	498.8	422.2	359.4	320.1	294.6	283.8	277.9	274.9	274.0
20°	705.0	648.1	547.9	454.6	385.9	345.6	315.2	298.5	292.6	289.7	288.7
22.5°	796.4	727.6	599.0	489.0	416.3	369.2	334.8	315.2	308.3	305.4	306.4
25°	889.6	816.0	654.0	525.3	444.8	388.8	353.5	330.9	326.0	322.1	322.1
27.5°	1003.5	905.3	709.9	566.6	469.4	406.5	370.2	347.6	338.8	338.8	337.8
30°	1123.3	1000.6	770.8	601.9	491.0	422.2	383.0	362.3	353.5	352.5	352.5
32.5°	1240.2	1102.7	830.7	637.3	507.7	433.0	394.7	375.1	364.3	363.3	364.3
35°	1376.7	1206.8	886.7	665.8	522.4	441.9	403.6	385.9	374.1	373.1	373.1
37.5°	1506.3	1313.8	940.7	688.3	532.2	447.8	410.5	394.7	382.0	381.0	380.0
40°	1641.8	1415.0	989.8	707.0	537.1	451.7	414.4	400.6	388.8	384.9	384.9
42.5°	1779.3	1517.1	1031.0	717.8	540.1	452.7	417.3	404.6	393.8	386.9	386.9
45°	1907.9	1604.5	1065.4	723.7	540.1	453.7	419.3	407.5	397.7	388.8	387.9
47.5°	2049.3	1692.9	1091.9	724.7	537.1	451.7	420.3	410.5	399.6	389.8	388.8
50°	2173.0	1776.3	1108.6	721.7	533.2	450.7	421.3	411.4	402.6	390.8	390.8
52.5°	2282.0	1843.1	1116.5	713.9	528.3	448.7	421.3	413.4	405.5	392.8	391.8
55°	2378.3	1895.1	1115.5	702.1	520.4	445.8	420.3	413.4	407.5	393.8	393.8
57.5°	2460.7	1931.5	1106.6	688.3	512.6	443.8	420.3	414.4	409.5	396.7	396.7
60°	2516.7	1952.1	1089.0	671.6	504.7	439.9	419.3	415.4	412.4	399.6	400.6
62.5°	2543.2	1949.2	1061.5	654.0	495.9	436.0	417.3	414.4	413.4	403.6	403.6
64°	*2541.3*	*1935.4*	*1042.8*	*641.2*	*490.0*	*434.0*	*416.3*	*413.4*	*414.4*	*405.5*	*405.5*
65°	2528.5	1915.8	1023.2	631.4	485.1	432.1	414.4	412.4	414.4	405.5	405.5
67.5°	2466.6	1854.9	973.1	606.8	472.3	423.2	408.5	407.5	410.5	404.6	403.6
70°	2343.9	1758.7	919.1	575.4	456.6	413.4	399.6	398.7	402.6	397.7	395.7
72.5°	2177.0	1625.1	853.3	543.0	437.9	399.6	387.9	386.9	388.8	385.9	383.0
75°	1966.8	1468.0	779.7	506.7	417.3	382.0	371.2	369.2	372.2	368.2	366.3
77.5°	1733.1	1294.2	702.1	468.4	390.8	362.3	351.5	348.6	348.6	343.7	338.8
80°	1475.9	1116.5	624.5	429.1	363.3	337.8	329.0	325.0	322.1	314.2	309.3
82.5°	1232.3	949.5	545.0	388.8	333.9	311.3	302.4	297.5	290.7	280.8	274.0
85°	1002.6	790.5	472.3	345.6	304.4	282.8	275.9	267.1	258.3	247.4	238.6
87.5°	805.2	647.1	407.5	307.3	271.0	254.3	246.5	234.7	225.8	214.1	206.2
90°	639.2	530.2	348.6	270.0	241.6	226.8	220.0	208.2	195.4	182.6	175.8
92.5°	515.5	432.1	300.5	238.6	216.0	203.3	194.4	182.6	167.9	155.1	150.2
95°	409.5	349.6	256.3	211.1	191.5	179.7	170.9	160.1	144.3	129.6	125.7
97.5°	324.0	287.7	219.0	185.6	169.9	160.1	150.2	140.4	124.7	110.0	108.0
100°	260.2	233.7	187.6	164.0	150.2	141.4	133.5	122.7	108.0	92.3	92.3
102.5°	210.1	193.4	161.0	144.3	133.5	125.7	117.8	108.0	93.3	79.5	78.6
105°	171.8	160.1	138.5	127.7	118.8	112.9	105.1	94.3	80.5	67.8	66.8
107.5°	143.4	132.6	119.8	112.9	106.0	100.2	94.3	83.5	69.7	58.9	58.9

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

Scaled Data Report

REPORT NUMBER: P417118
CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	117.8	113.9	104.1	99.2	95.2	89.4	83.5	72.7	59.9	52.0	52.0
112.5°	100.2	96.2	91.3	88.4	84.4	80.5	73.6	63.8	52.0	46.2	46.2
115°	84.4	82.5	79.5	77.6	75.6	71.7	64.8	55.0	44.2	40.3	41.2
117.5°	73.6	72.7	70.7	69.7	67.8	62.8	57.0	48.1	38.3	36.3	36.3
120°	63.8	63.8	61.9	61.9	59.9	56.0	49.1	41.2	33.4	32.4	32.4
122.5°	56.0	56.0	55.0	55.0	53.0	49.1	43.2	35.3	28.5	28.5	29.5
125°	49.1	49.1	48.1	48.1	47.1	43.2	37.3	30.4	25.5	25.5	25.5
127.5°	43.2	43.2	43.2	42.2	40.3	37.3	31.4	25.5	22.6	22.6	22.6
130°	38.3	38.3	37.3	37.3	35.3	31.4	26.5	21.6	18.7	20.6	20.6
132.5°	33.4	33.4	33.4	31.4	29.5	26.5	21.6	17.7	16.7	17.7	17.7
135°	28.5	29.5	28.5	27.5	25.5	21.6	17.7	14.7	14.7	15.7	15.7
137.5°	24.5	24.5	24.5	22.6	20.6	17.7	13.7	11.8	12.8	13.7	13.7
140°	20.6	20.6	19.6	18.7	16.7	13.7	10.8	8.8	10.8	11.8	11.8
142.5°	16.7	16.7	15.7	14.7	11.8	9.8	6.9	6.9	8.8	9.8	9.8
145°	12.8	12.8	11.8	10.8	8.8	5.9	4.9	5.9	7.9	7.9	7.9
147.5°	8.8	8.8	8.8	6.9	4.9	2.9	2.0	3.9	5.9	5.9	6.9
150°	5.9	5.9	5.9	4.9	2.9	1.0	1.0	2.9	3.9	4.9	4.9
152.5°	3.9	3.9	3.9	2.9	2.0	0.0	0.0	2.0	2.9	2.9	2.9
155°	2.0	2.0	2.0	2.0	1.0	0.0	0.0	1.0	2.0	2.0	2.0
157.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	2.0	1.0	1.0
160°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)