

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: P416272

Luminaire Tested: **LXF.LXT-PA1-70-730-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-730-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7612 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

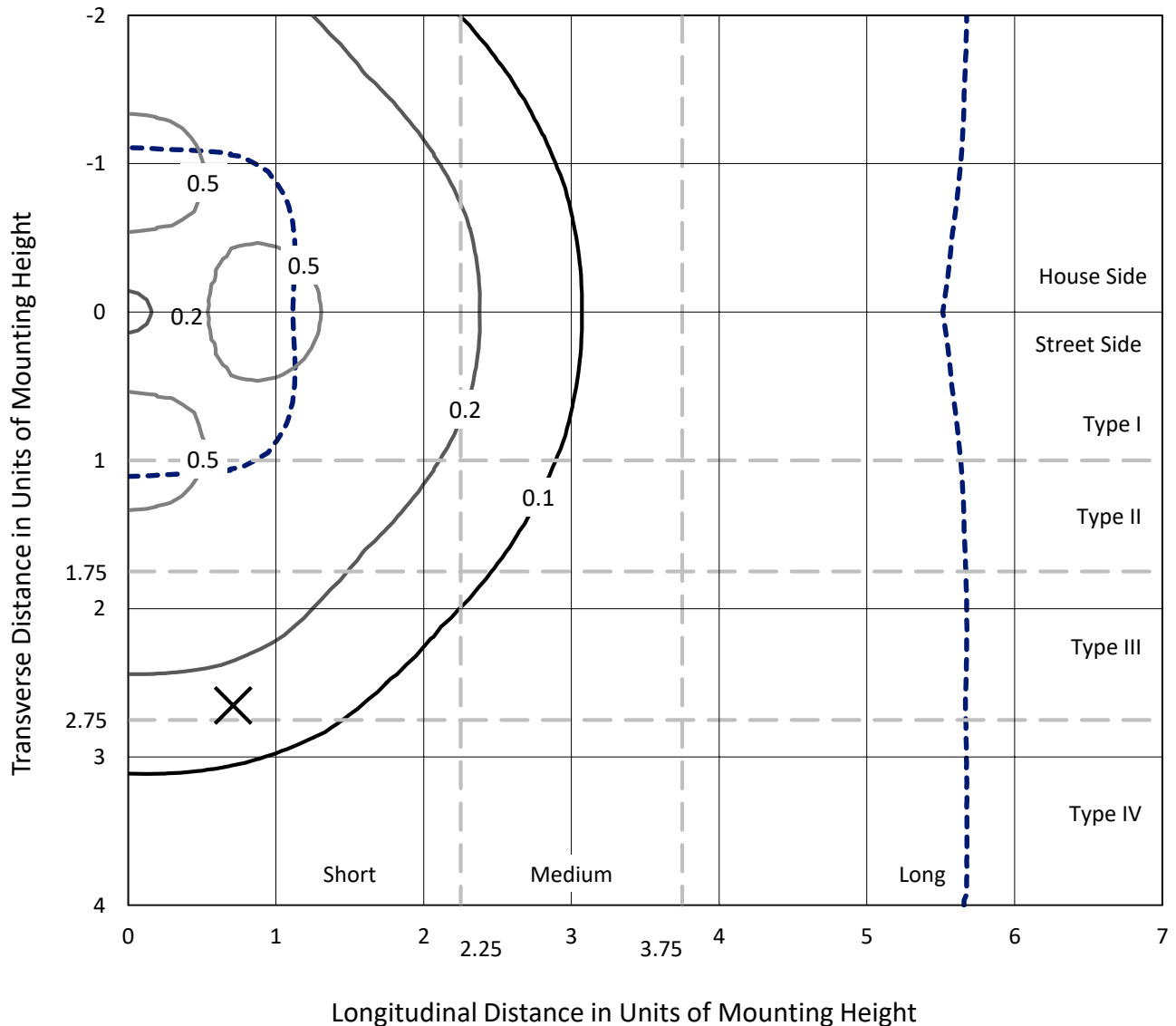
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416272
 CATALOG NUMBER: LXF.LXT-PA1-70-730-U-5WQ-TL

Iso-Footcandle Lines of Horizontal Illumination

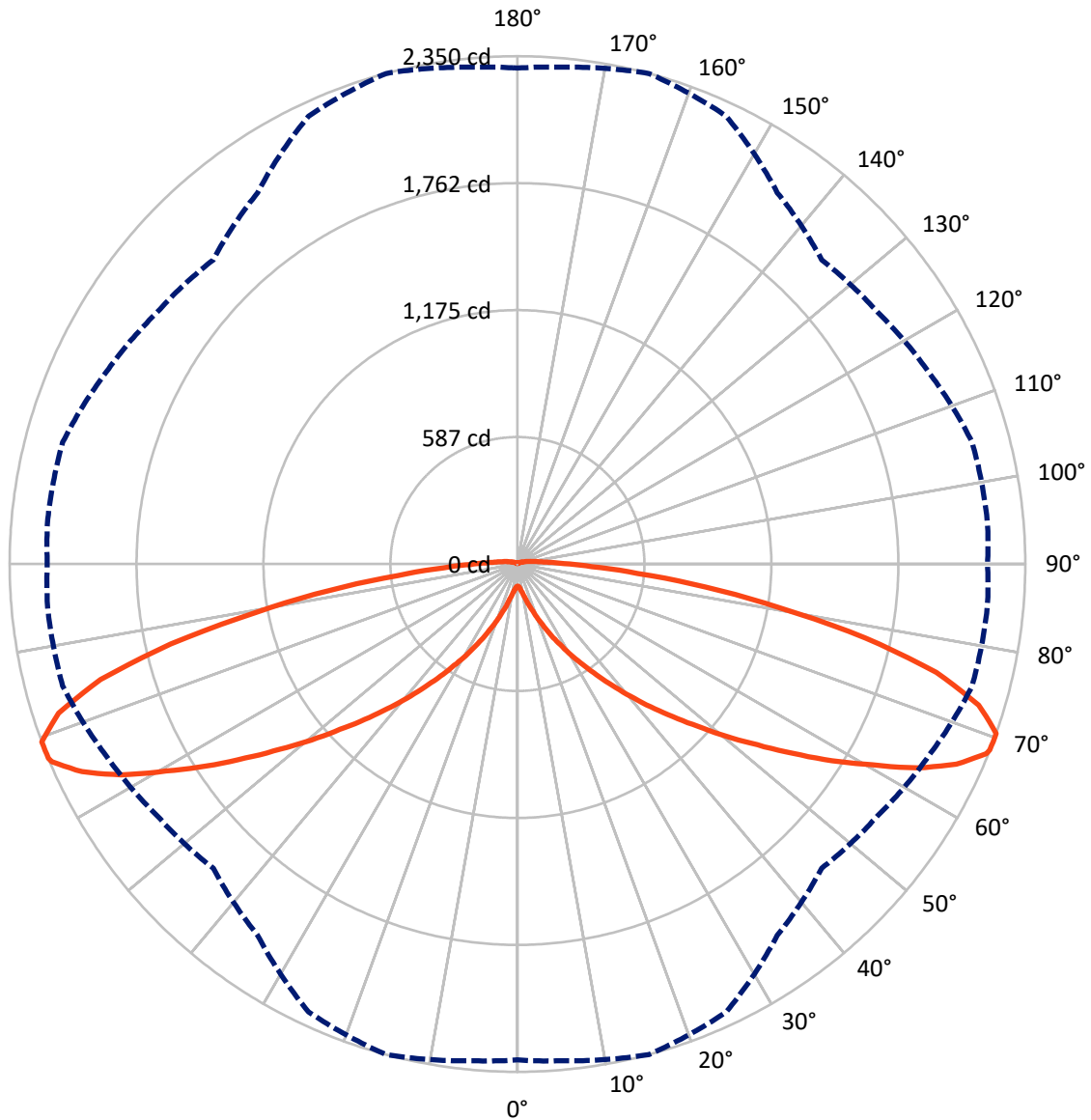
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

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CATALOG NUMBER: LXF.LXT-PA1-70-730-U-5WQ-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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CATALOG NUMBER: LXF.LXT-PA1-70-730-U-5WQ-TL

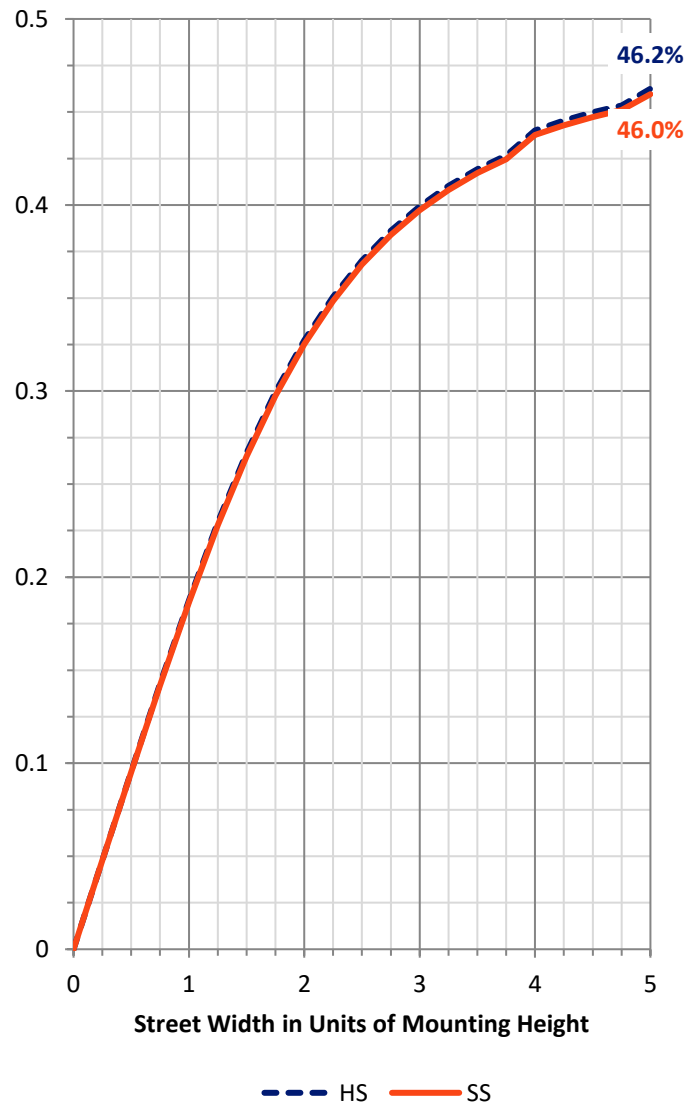
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3672.0	134.0	3806.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3672.0	134.0	3806.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	7343.9	268.1	7612.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.1
10°-20°	55.0	0.7
20°-30°	165.3	2.2
30°-40°	380.1	5.0
40°-50°	730.9	9.6
50°-60°	1292.3	17.0
60°-70°	2002.7	26.3
70°-80°	1943.7	25.5
80°-90°	762.4	10.0
90°-100°	164.1	2.2
100°-110°	56.0	0.7
110°-120°	24.6	0.3
120°-130°	12.4	0.2
130°-140°	6.7	0.1
140°-150°	3.2	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7343.9	96.5
0°-180°	7612.0	100.0



REPORT NUMBER: P416272

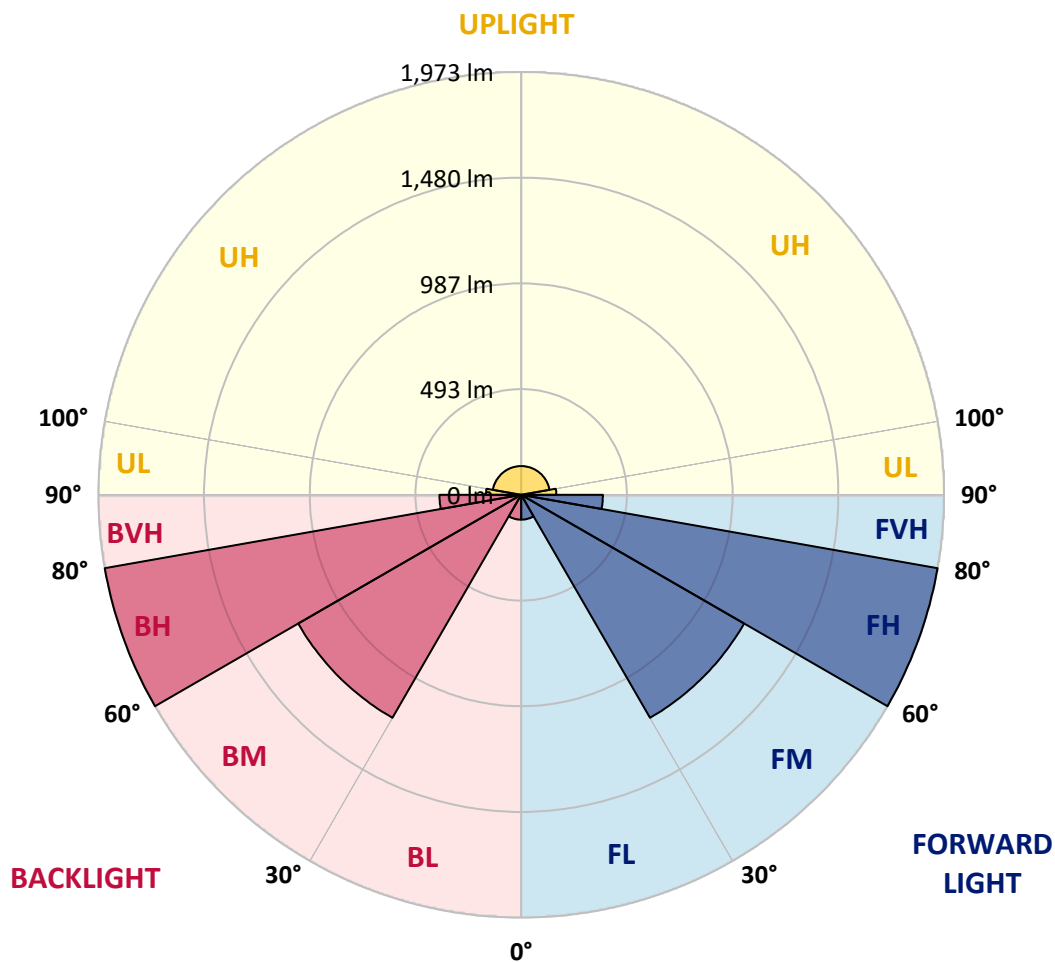
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	115.9	1.5			
FM (30°-60°)	1201.7	15.8			
FH (60°-80°)	1973.2	25.9			G2/5000
FVH (80°-90°)	381.2	5.0			G3/500
BL (0°-30°)	115.9	1.5	B1/500		
BM (30°-60°)	1201.7	15.8	B2/2500		
BH (60°-80°)	1973.2	25.9	B3/2500		G2/5000
BVH (80°-90°)	381.2	5.0			G3/500
UL (90°-100°)	164.1	2.2		U3/500	
UH (100°-180°)	134.0	1.8		U3/500	

BUG Rating: B3-U3-G3

Type V Short





REPORT NUMBER: P416272

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-5WQ-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5
2.5°	104.2	104.2	104.2	105.0	105.0	105.8	105.0	104.2	104.2	103.3	103.3
5°	111.7	111.7	111.7	111.7	112.5	112.5	110.8	110.0	109.2	109.2	109.2
7.5°	123.3	123.3	124.2	123.3	123.3	122.5	120.8	119.2	119.2	118.3	118.3
10°	141.6	140.0	140.0	139.1	138.3	136.6	135.0	134.1	132.5	132.5	130.8
12.5°	166.6	165.8	163.3	160.8	157.5	155.0	153.3	152.5	152.5	152.5	154.1
15°	195.8	196.6	195.0	189.1	182.5	177.5	176.6	176.6	178.3	180.0	180.0
17.5°	234.1	232.5	228.3	221.6	213.3	208.3	205.0	207.5	211.6	214.1	215.8
20°	275.8	275.0	269.1	258.3	249.1	242.5	240.0	243.3	250.8	257.5	256.6
22.5°	324.1	323.3	314.1	300.0	287.5	280.0	277.5	284.1	300.0	308.3	310.0
25°	379.1	376.6	368.3	349.1	331.6	320.0	321.6	333.3	354.1	370.8	370.0
27.5°	441.6	438.3	422.4	400.8	377.4	365.8	369.1	388.3	416.6	435.8	438.3
30°	509.9	504.9	488.3	456.6	429.9	413.3	421.6	448.3	484.1	511.6	514.9
32.5°	575.8	581.6	553.3	521.6	484.9	463.3	474.1	510.8	554.9	593.3	596.6
35°	659.1	654.1	629.9	588.3	543.3	520.8	534.9	579.9	629.9	674.9	676.6
37.5°	748.2	743.2	711.6	660.7	608.3	581.6	599.9	648.2	712.4	757.4	767.4
40°	844.1	834.1	804.9	742.4	678.2	650.7	668.2	729.1	798.2	847.4	854.1
42.5°	938.2	932.4	902.4	830.7	757.4	722.4	748.2	808.2	888.2	936.5	944.9
45°	1040.7	1039.9	1007.4	929.0	846.6	807.4	834.1	900.7	977.4	1033.2	1038.2
47.5°	1149.0	1149.8	1121.5	1043.2	943.2	899.0	924.9	999.9	1089.9	1139.8	1144.8
50°	1277.3	1272.3	1253.2	1161.5	1056.5	1006.5	1039.9	1118.2	1201.5	1254.8	1259.8
52.5°	1412.3	1412.3	1389.8	1305.7	1183.2	1131.5	1159.8	1239.8	1333.2	1381.5	1391.5
55°	1562.3	1555.6	1546.5	1454.8	1329.8	1269.8	1298.2	1389.0	1474.8	1516.5	1517.3
57.5°	1724.8	1718.1	1716.4	1634.0	1491.5	1413.1	1445.6	1531.5	1629.0	1656.4	1664.8
60°	1882.3	1893.9	1887.2	1814.8	1653.9	1565.6	1602.3	1692.3	1786.4	1811.4	1819.8
62.5°	2053.9	2059.7	2078.1	1989.7	1816.4	1722.3	1758.9	1838.9	1934.7	1955.6	1958.9
65°	2202.2	2208.0	2232.2	2148.9	1952.2	1853.1	1894.7	1978.9	2074.7	2093.1	2082.2
67.5°	2290.5	2303.9	2340.5	2261.4	2058.9	1949.7	1992.2	2071.4	2154.7	2171.4	2157.2
68°	2303.9	2314.7	2348.9	2277.2	2072.2	1961.4	2006.4	2084.7	2169.7	2183.0	2172.2
70°	2294.7	2307.2	2349.7	2286.4	2096.4	1990.6	2033.1	2099.7	2178.0	2183.0	2175.5
72.5°	2168.0	2190.5	2232.2	2209.7	2055.6	1959.7	1995.6	2036.4	2090.6	2089.7	2080.6
75°	1925.6	1915.6	2001.4	2012.2	1910.6	1855.6	1873.1	1873.9	1884.8	1869.8	1839.8
77.5°	1539.8	1563.1	1646.4	1718.9	1684.8	1663.1	1666.4	1617.3	1595.6	1531.5	1511.5
80°	1123.2	1141.5	1230.7	1340.7	1389.8	1414.8	1386.5	1294.0	1218.2	1152.3	1129.9
82.5°	766.6	773.2	878.2	984.0	1082.4	1112.4	1087.4	961.5	856.6	786.6	755.7
85°	471.6	482.4	557.4	662.4	778.2	846.6	788.2	662.4	556.6	501.6	489.1
87.5°	277.5	294.1	344.1	423.3	534.1	592.4	546.6	437.4	352.5	312.5	297.5
90°	173.3	183.3	215.0	272.5	358.3	400.8	370.0	284.1	227.5	193.3	182.5
92.5°	120.8	124.2	145.8	182.5	244.1	273.3	247.5	195.0	155.8	130.0	125.8
95°	90.0	92.5	105.8	129.1	168.3	190.8	173.3	137.5	110.8	93.3	90.8
97.5°	70.8	72.5	83.3	98.3	123.3	139.1	128.3	105.0	85.8	71.7	69.2
100°	55.0	56.7	66.7	78.3	96.7	105.0	98.3	82.5	67.5	55.0	53.3
102.5°	43.3	44.2	53.3	64.2	77.5	83.3	78.3	66.7	53.3	42.5	41.7
105°	34.2	35.0	43.3	53.3	64.2	68.3	65.0	55.0	42.5	32.5	31.7
107.5°	26.7	27.5	34.2	44.2	53.3	56.7	53.3	45.0	33.3	25.8	25.0



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CATALOG NUMBER: LXF.LXT-PA1-70-730-U-5WQ-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	21.7	21.7	28.3	36.7	45.0	47.5	45.0	36.7	26.7	20.8	20.0
112.5°	18.3	18.3	23.3	30.8	37.5	40.8	37.5	30.0	21.7	16.7	16.7
115°	15.0	15.8	19.2	25.8	31.7	34.2	31.7	25.0	18.3	14.2	14.2
117.5°	13.3	14.2	16.7	21.7	27.5	29.2	26.7	20.8	15.0	12.5	12.5
120°	12.5	12.5	14.2	18.3	23.3	25.0	22.5	18.3	13.3	11.7	11.7
122.5°	11.7	11.7	12.5	15.8	20.0	21.7	19.2	15.0	11.7	10.8	10.0
125°	10.8	10.8	11.7	14.2	17.5	18.3	16.7	13.3	10.0	9.2	9.2
127.5°	10.0	10.0	10.8	12.5	15.0	15.8	15.0	11.7	9.2	9.2	9.2
130°	9.2	9.2	10.0	10.8	13.3	14.2	12.5	10.0	8.3	8.3	8.3
132.5°	8.3	8.3	8.3	10.0	11.7	11.7	10.8	9.2	8.3	7.5	7.5
135°	8.3	8.3	8.3	8.3	10.0	10.8	9.2	8.3	7.5	7.5	7.5
137.5°	7.5	7.5	7.5	7.5	8.3	9.2	8.3	7.5	6.7	6.7	6.7
140°	6.7	6.7	6.7	6.7	7.5	7.5	7.5	5.8	5.8	5.8	5.8
142.5°	5.8	5.8	5.8	5.8	5.8	6.7	5.8	5.0	5.0	5.0	5.0
145°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
147.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
150°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
152.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
155°	1.7	1.7	1.7	1.7	2.5	1.7	2.5	1.7	1.7	1.7	1.7
157.5°	0.8	0.8	1.7	1.7	1.7	2.5	1.7	1.7	0.8	0.8	0.8
160°	0.0	0.8	0.8	0.8	1.7	1.7	1.7	0.8	0.8	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

(END OF REPORT)