

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: P415398

Luminaire Tested: **LXF.LXT-PA1-50-727-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-727-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5431 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

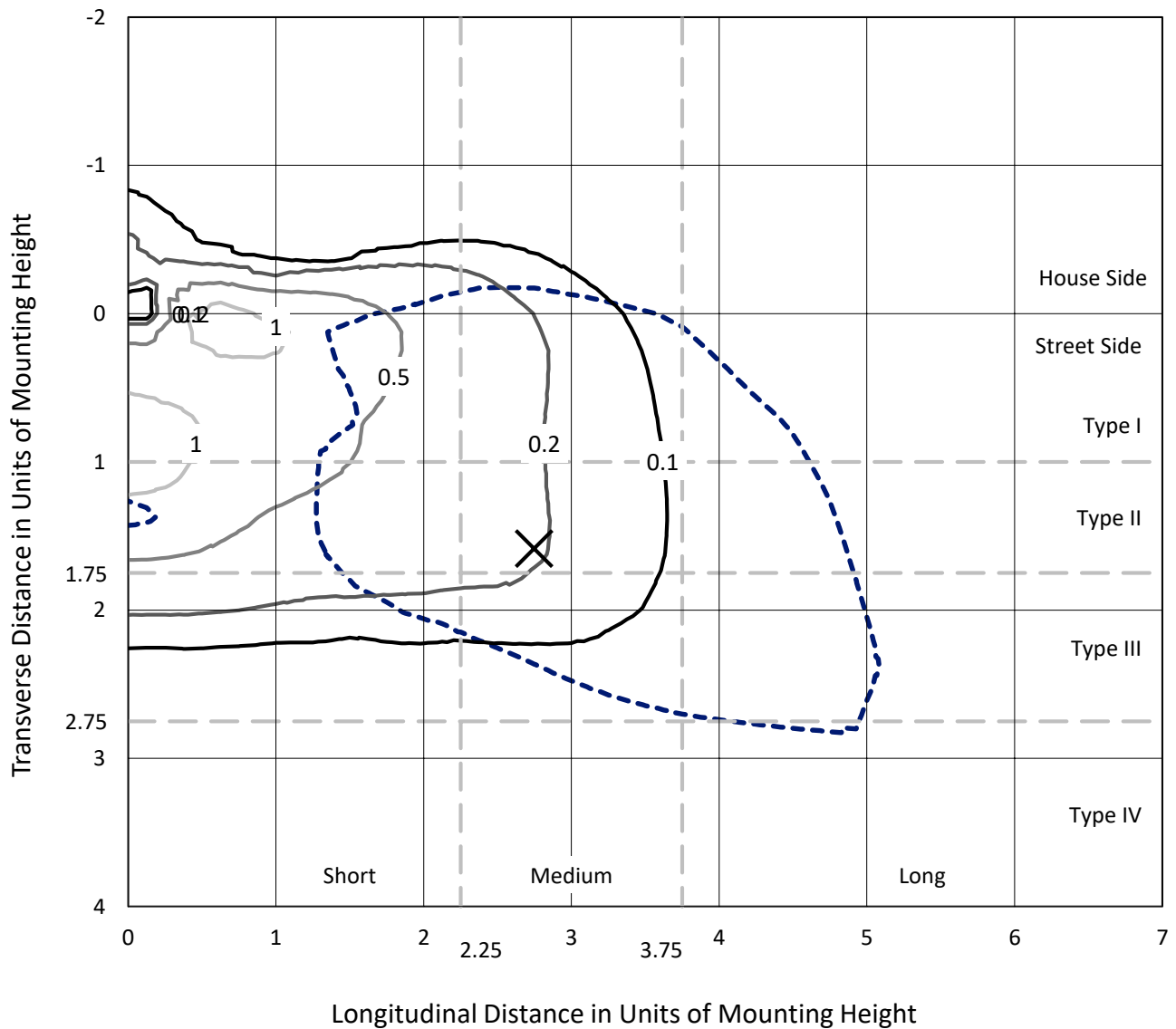
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

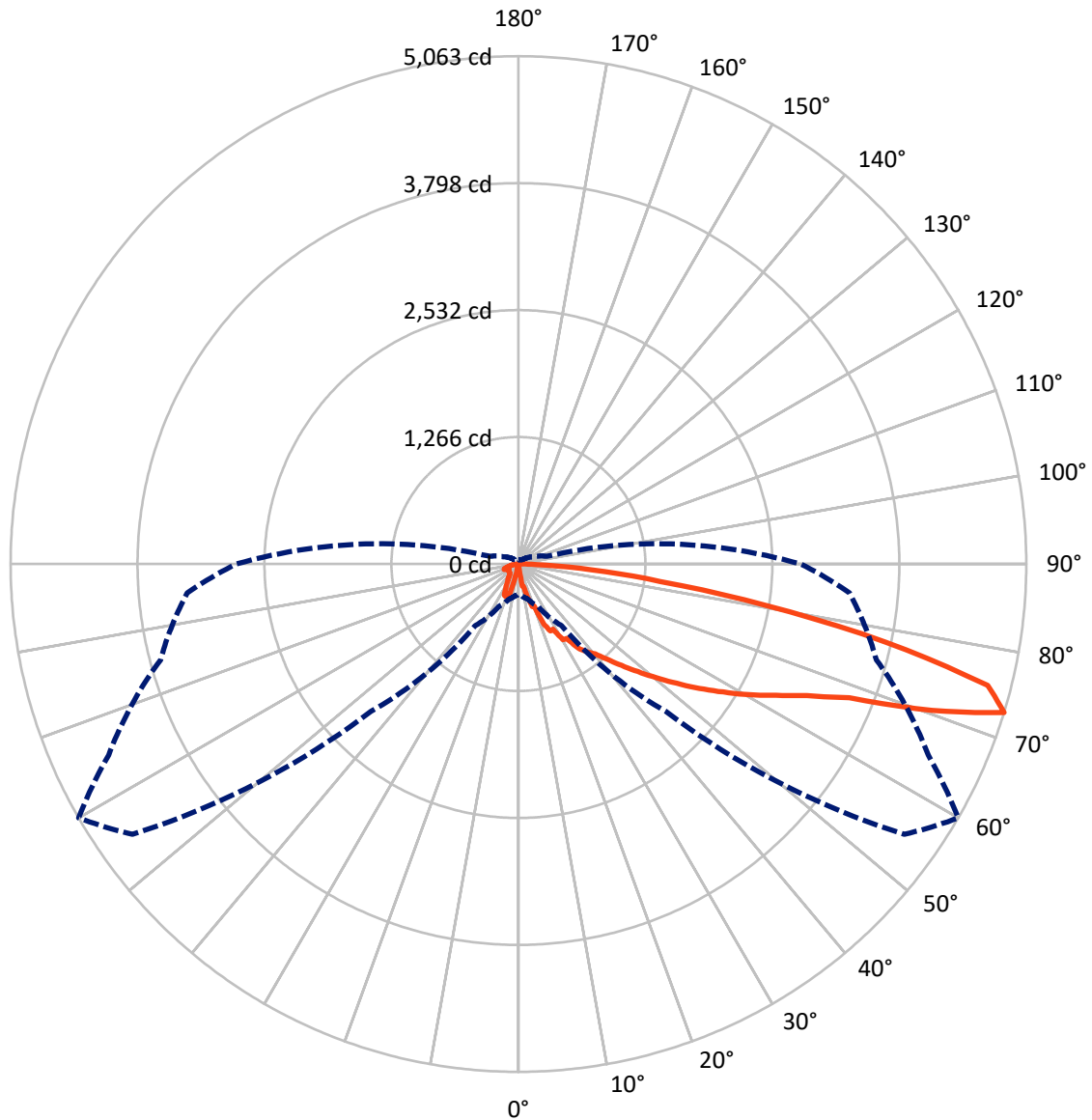
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	782.1	0.0	782.1
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4648.9	0.0	4648.9
	% Fixture	85.6	0.0	85.6
Total	Lumens	5431.0	0.0	5431.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	79.2	1.5
20°-30°	238.4	4.4
30°-40°	471.6	8.7
40°-50°	781.1	14.4
50°-60°	1166.9	21.5
60°-70°	1388.2	25.6
70°-80°	1111.3	20.5
80°-90°	188.6	3.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5431.0	100.0
0°-180°	5431.0	100.0

Coefficient of Utilization



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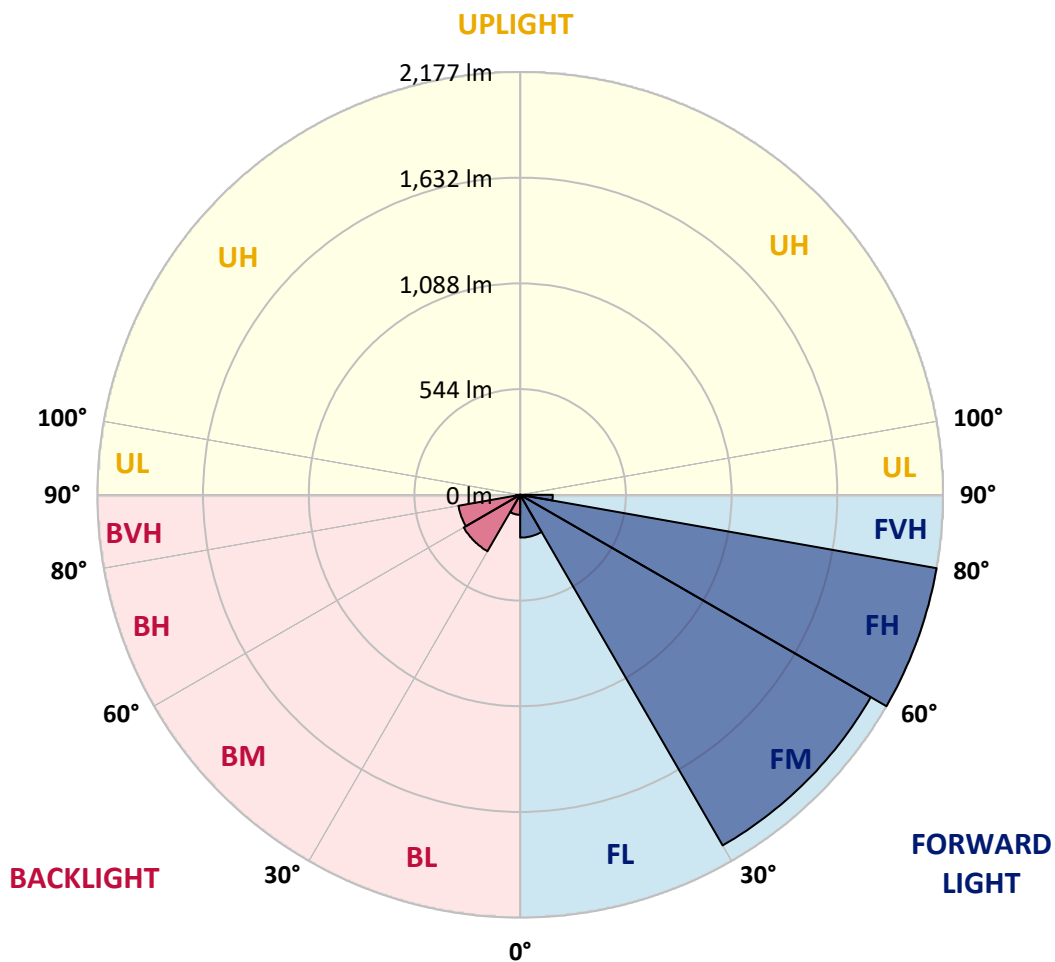
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	220.4	4.1			
FM	(30°-60°)	2084.1	38.4			
FH	(60°-80°)	2176.6	40.1			G2/5000
FVH	(80°-90°)	167.8	3.1			G2/225
BL	(0°-30°)	102.9	1.9	B0/110		
BM	(30°-60°)	335.6	6.2	B1/1000		
BH	(60°-80°)	322.9	5.9	B1/500		G1/500
BVH	(80°-90°)	20.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	3.0	3.0	3.5	4.1	4.1	3.5	3.0	3.0	3.0	2.4	3.0
5°	202.9	102.4	68.6	32.5	24.3	11.8	4.7	3.5	3.5	3.0	3.0
7.5°	233.1	233.1	233.7	236.1	237.8	239.0	29.6	15.4	5.9	3.0	3.0
10°	224.8	223.1	224.2	226.6	229.0	232.5	236.7	224.8	26.6	4.7	3.5
12.5°	415.3	414.2	400.0	243.8	226.0	226.0	231.9	232.5	182.8	17.7	17.2
15°	400.6	400.0	401.7	405.9	412.4	233.7	237.3	345.5	450.3	317.1	368.6
17.5°	411.8	407.1	396.4	394.0	400.0	375.7	442.0	447.3	457.4	364.5	373.3
20°	565.0	563.3	563.3	474.5	391.1	546.7	518.9	447.9	459.7	527.2	660.3
22.5°	563.3	560.3	556.2	555.6	637.2	531.9	540.2	647.9	673.9	772.7	746.1
25°	765.6	757.9	642.0	559.7	633.1	595.8	721.8	740.8	685.1	801.7	763.2
27.5°	831.3	816.5	779.8	714.7	637.8	724.2	720.6	736.0	755.6	1095.8	1049.0
30°	1128.9	1059.1	862.6	830.1	762.7	733.1	821.2	875.1	954.3	1073.3	1092.8
32.5°	1263.2	1237.8	1141.9	1021.8	891.0	791.6	898.1	884.5	961.4	1304.6	1401.1
35°	1553.1	1521.8	1259.1	1150.8	1036.0	970.3	923.6	1033.0	1127.7	1356.7	1427.7
37.5°	1609.9	1602.8	1541.9	1347.8	1194.0	1066.8	1081.0	1110.5	1172.1	1429.5	1502.8
40°	1654.3	1654.9	1672.6	1505.2	1339.5	1221.8	1179.2	1179.8	1232.4	1549.0	1599.3
42.5°	1771.4	1776.2	1824.1	1645.4	1515.8	1402.8	1328.9	1296.3	1336.6	1686.2	1717.6
45°	1982.7	1972.0	2012.8	1789.8	1648.4	1551.3	1492.2	1442.5	1463.8	1832.4	1868.5
47.5°	2248.3	2225.8	2212.2	1969.6	1792.7	1709.3	1654.3	1602.2	1608.7	1972.0	2041.2
50°	2453.6	2442.4	2372.0	2105.7	1917.0	1868.5	1845.4	1780.9	1753.1	2127.6	2238.8
52.5°	2541.2	2530.5	2443.6	2208.7	2015.2	2020.5	2060.8	1976.7	1898.6	2296.2	2427.0
55°	2525.8	2516.9	2459.5	2259.6	2086.2	2167.3	2272.6	2188.6	2087.4	2455.4	2618.7
57.5°	2412.2	2416.3	2415.8	2263.1	2140.6	2305.1	2479.7	2407.5	2287.4	2613.4	2774.3
60°	2161.3	2183.2	2264.9	2237.7	2209.9	2435.3	2680.8	2647.1	2519.9	2786.7	2918.1
62.5°	1731.2	1774.4	1953.1	2098.6	2265.5	2617.5	2877.2	2881.4	2760.7	2921.0	3029.3
65°	1167.9	1164.4	1430.6	1791.6	2199.8	2903.9	3170.7	3162.4	2983.7	3074.3	3193.2
67.5°	649.1	663.3	837.8	1185.7	1947.2	3081.4	3734.0	3556.5	3291.4	3308.0	3423.4
70°	401.7	418.9	477.5	662.7	1246.6	2874.3	4457.6	4374.7	3860.0	3618.0	3516.2
72.5°	305.3	314.8	362.1	469.8	750.2	2079.1	4697.8	5063.4	4508.5	3694.3	3313.9
75°	182.2	193.5	258.0	405.9	625.4	1076.2	4073.0	4831.5	4714.4	3645.8	2892.0
77.5°	113.6	116.6	139.0	283.4	576.3	677.5	2790.3	3742.3	3842.2	3087.9	2043.6
80°	87.0	87.6	95.8	150.9	465.6	641.4	1615.8	2499.2	2449.5	1649.0	802.9
82.5°	55.0	58.6	74.5	92.3	221.3	625.4	954.9	1422.9	1252.5	446.1	223.6
85°	27.8	31.4	52.7	63.3	107.1	677.5	677.5	729.5	513.0	149.7	84.6
87.5°	4.7	4.7	7.1	16.6	21.3	114.8	189.3	165.1	108.9	20.1	16.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	3.0	3.0	3.0	2.4	1.8	1.2	0.6	0.6	0.6	1.2	1.2
5°	3.0	3.0	3.0	2.4	1.8	1.2	0.6	0.6	1.2	1.8	1.8
7.5°	3.0	3.0	3.0	2.4	1.8	1.8	1.2	2.4	5.3	69.2	46.7
10°	3.5	3.5	3.5	3.0	2.4	6.5	202.3	213.6	214.2	213.0	210.6
12.5°	18.9	20.7	15.4	5.3	21.9	202.9	194.7	185.2	181.6	177.5	177.5
15°	373.9	369.2	348.5	256.8	157.4	181.0	162.7	150.3	233.1	230.2	232.5
17.5°	375.1	366.8	337.2	367.4	340.8	162.7	184.6	200.6	189.3	185.2	187.0
20°	711.8	673.3	342.0	342.6	292.3	288.7	156.8	147.9	149.7	153.2	154.4
22.5°	724.8	680.4	524.8	443.7	250.9	231.3	160.3	128.4	189.9	211.2	213.6
25°	730.7	675.1	495.8	392.9	283.4	173.4	155.0	140.8	173.4	194.7	195.8
27.5°	1033.0	936.0	677.5	333.7	218.9	152.1	145.0	132.5	155.6	192.9	193.5
30°	1024.2	910.0	627.8	323.0	169.2	140.2	125.4	138.4	146.7	156.8	156.8
32.5°	1331.8	1167.9	696.4	260.3	142.0	116.6	118.3	126.0	126.6	149.7	151.5
35°	1332.4	1142.5	599.9	237.8	121.9	106.5	108.3	116.6	129.0	143.8	146.1
37.5°	1353.1	1131.3	517.1	185.2	121.9	106.5	102.9	111.2	120.1	140.8	143.2
40°	1396.9	1136.0	438.4	153.8	117.7	104.7	101.8	108.3	118.9	130.8	131.9
42.5°	1471.5	1162.6	363.9	139.0	114.8	104.7	97.6	102.4	108.3	132.5	134.9
45°	1589.8	1219.4	306.5	133.1	113.6	100.6	92.9	94.1	98.2	156.8	163.3
47.5°	1728.2	1298.1	256.8	130.2	111.8	96.4	85.8	87.0	96.4	178.1	187.0
50°	1888.0	1414.7	227.2	129.6	110.0	90.5	80.5	87.0	106.5	177.5	181.6
52.5°	2075.5	1533.0	211.2	131.9	108.9	85.2	83.4	97.6	101.2	142.6	142.6
55°	2244.2	1664.3	212.4	133.7	105.3	85.2	85.8	82.8	79.9	98.2	98.8
57.5°	2409.8	1795.1	231.9	130.2	100.0	85.8	74.0	68.0	69.2	83.4	85.2
60°	2553.6	1921.1	290.5	122.5	95.3	77.5	68.6	63.9	65.1	84.0	85.8
62.5°	2708.6	2075.0	402.3	125.4	94.7	73.4	63.9	58.6	60.9	69.8	71.0
65°	2918.1	2289.7	502.9	147.9	98.2	71.0	58.6	55.6	56.2	56.8	56.8
67.5°	3123.4	2422.3	485.2	174.5	110.0	69.8	55.6	52.1	51.5	51.5	51.5
70°	3103.3	2278.5	384.6	185.2	119.5	69.8	53.2	48.5	47.3	47.3	47.3
72.5°	2812.8	1948.9	295.2	171.6	110.0	66.9	49.7	44.4	42.6	42.6	42.6
75°	2393.3	1563.2	247.9	149.1	89.9	57.4	43.8	39.6	38.5	38.5	37.9
77.5°	1528.9	924.2	210.6	121.3	69.2	46.7	37.9	34.3	34.3	34.3	32.5
80°	613.6	406.5	163.9	95.8	53.8	37.3	31.4	29.6	29.0	28.4	26.6
82.5°	233.1	200.6	106.5	69.8	41.4	28.4	25.4	23.7	23.7	23.1	20.1
85°	83.4	78.1	49.1	40.2	25.4	17.7	19.5	17.7	17.2	15.4	13.0
87.5°	17.7	19.5	13.6	8.9	8.9	5.3	6.5	7.1	7.1	6.5	3.5
90°	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)