

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: P414618

Luminaire Tested: **LXF.LXT-PA1-30-730-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414618
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-PA1-30-730-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA 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: 3541 lumens
Efficiency: N/A
Efficacy: 114.2 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): 31
Input Voltage (V): NR
Input Current (A_{in}): 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

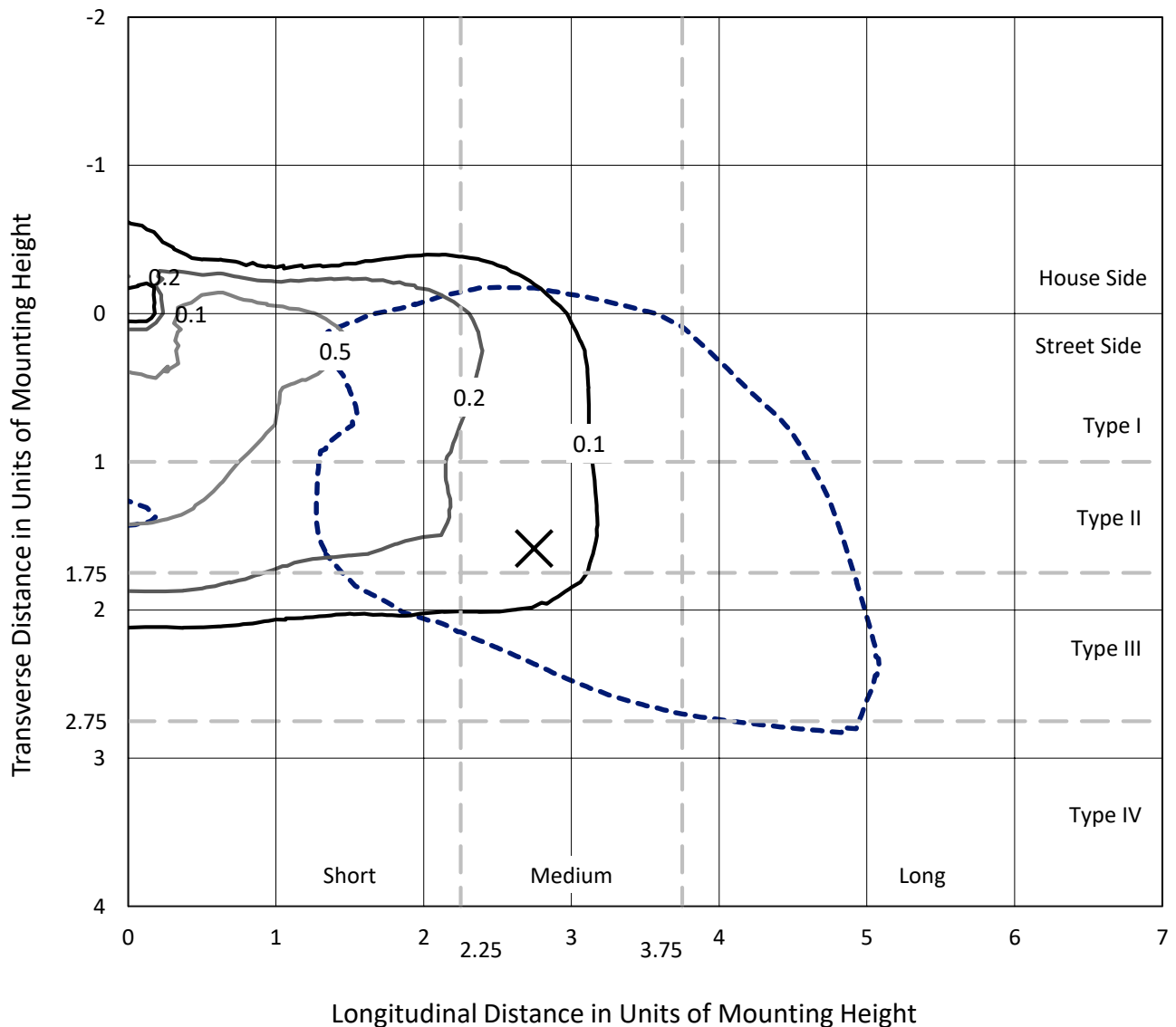


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Iso-Footcandle Lines of Horizontal Illumination

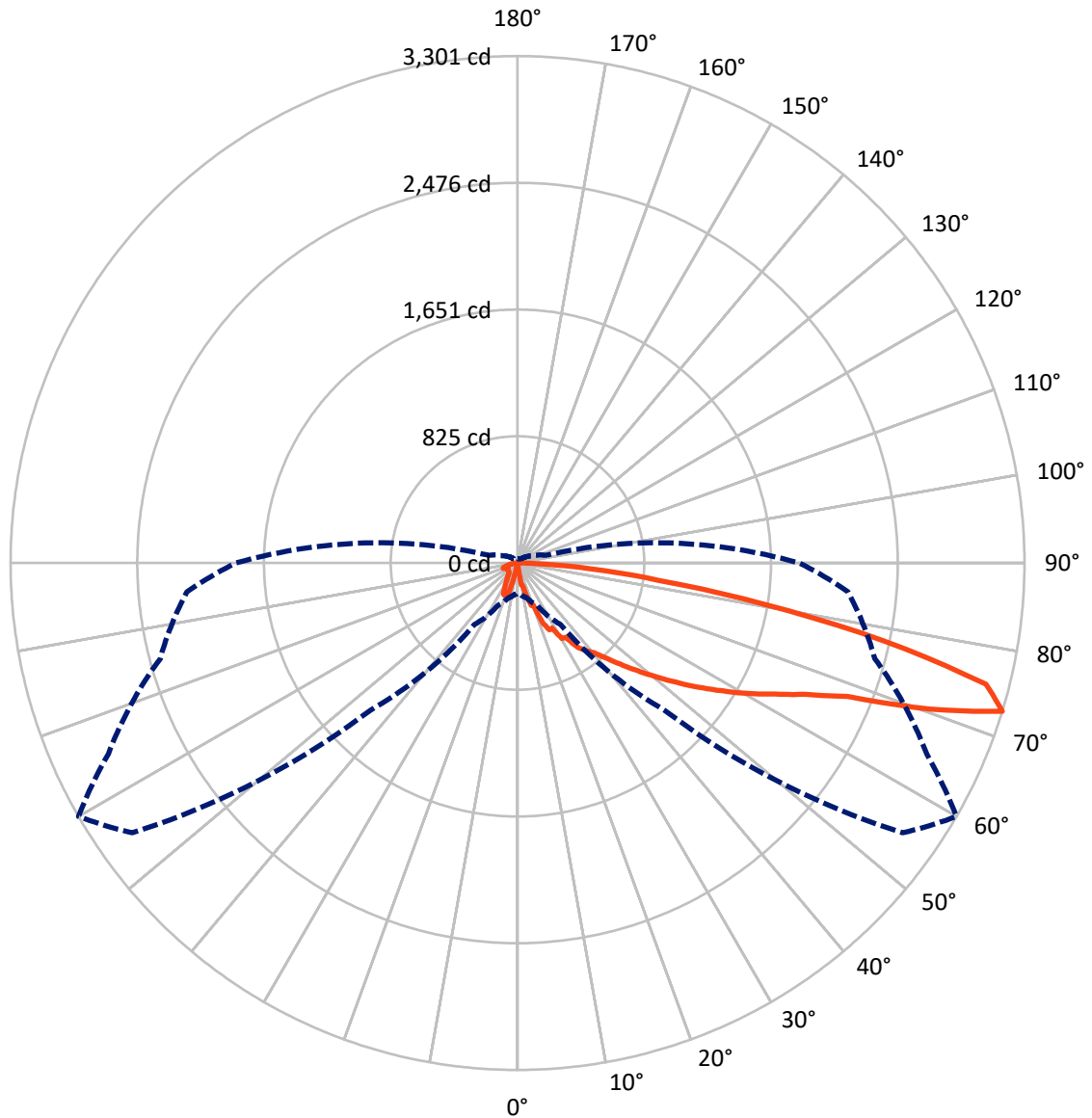
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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	509.9	0.0	509.9
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	3031.0	0.0	3031.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	3541.0	0.0	3541.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	51.6	1.5
20°-30°	155.5	4.4
30°-40°	307.5	8.7
40°-50°	509.3	14.4
50°-60°	760.8	21.5
60°-70°	905.1	25.6
70°-80°	724.5	20.5
80°-90°	123.0	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°	3541.0	100.0
0°-180°	3541.0	100.0

Coefficient of Utilization



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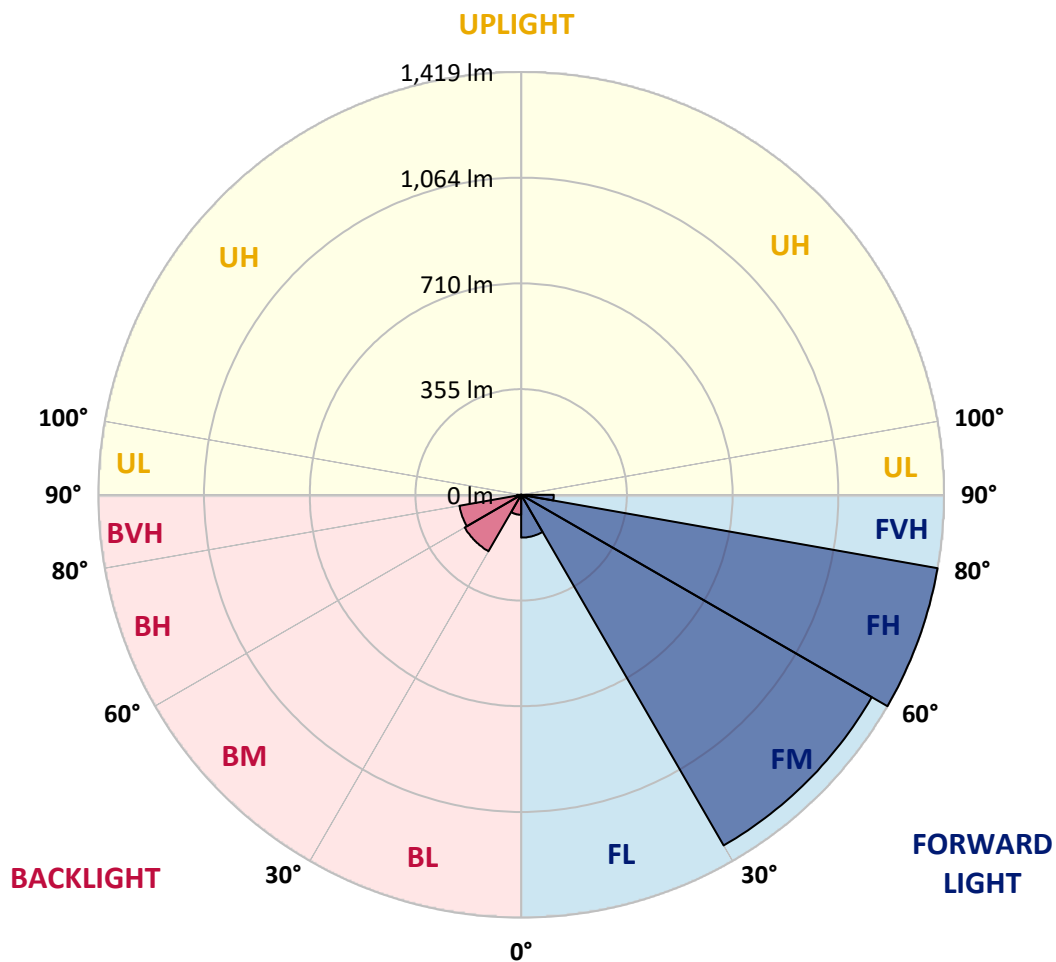
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	143.7	4.1			
FM	(30°-60°)	1358.8	38.4			
FH	(60°-80°)	1419.1	40.1			G1/1800
FVH	(80°-90°)	109.4	3.1			G2/225
BL	(0°-30°)	67.1	1.9	B0/110		
BM	(30°-60°)	218.8	6.2	B0/220		
BH	(60°-80°)	210.5	5.9	B1/500		G1/500
BVH	(80°-90°)	13.6	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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.9	1.9	2.3	2.7	2.7	2.3	1.9	1.9	1.9	1.5	1.9
5°	132.3	66.7	44.7	21.2	15.8	7.7	3.1	2.3	2.3	1.9	1.9
7.5°	152.0	152.0	152.4	153.9	155.1	155.8	19.3	10.0	3.9	1.9	1.9
10°	146.6	145.4	146.2	147.7	149.3	151.6	154.3	146.6	17.4	3.1	2.3
12.5°	270.8	270.0	260.8	158.9	147.4	147.4	151.2	151.6	119.2	11.6	11.2
15°	261.2	260.8	261.9	264.6	268.9	152.4	154.7	225.3	293.6	206.8	240.3
17.5°	268.5	265.4	258.5	256.9	260.8	245.0	288.2	291.6	298.2	237.6	243.4
20°	368.4	367.2	367.2	309.4	255.0	356.4	338.3	292.0	299.7	343.7	430.5
22.5°	367.2	365.3	362.6	362.2	415.5	346.8	352.2	422.4	439.4	503.8	486.4
25°	499.2	494.2	418.6	364.9	412.8	388.5	470.6	483.0	446.7	522.7	497.6
27.5°	542.0	532.4	508.4	466.0	415.9	472.2	469.9	479.9	492.6	714.4	684.0
30°	736.0	690.5	562.4	541.2	497.2	478.0	535.4	570.5	622.2	699.8	712.5
32.5°	823.6	807.0	744.5	666.2	581.0	516.1	585.6	576.7	626.9	850.6	913.5
35°	1012.6	992.2	820.9	750.3	675.5	632.6	602.2	673.5	735.3	884.6	930.8
37.5°	1049.7	1045.0	1005.3	878.8	778.5	695.5	704.8	724.1	764.2	932.0	979.8
40°	1078.6	1079.0	1090.5	981.4	873.4	796.6	768.8	769.2	803.5	1009.9	1042.7
42.5°	1155.0	1158.1	1189.3	1072.8	988.3	914.6	866.4	845.2	871.4	1099.4	1119.9
45°	1292.7	1285.7	1312.4	1166.9	1074.7	1011.5	972.9	940.5	954.4	1194.7	1218.2
47.5°	1465.9	1451.2	1442.4	1284.2	1168.9	1114.5	1078.6	1044.6	1048.9	1285.7	1330.9
50°	1599.8	1592.4	1546.5	1372.9	1249.9	1218.2	1203.2	1161.1	1143.0	1387.2	1459.7
52.5°	1656.8	1649.9	1593.2	1440.0	1313.9	1317.4	1343.6	1288.8	1237.9	1497.1	1582.4
55°	1646.8	1641.0	1603.6	1473.2	1360.2	1413.0	1481.7	1426.9	1361.0	1600.9	1707.4
57.5°	1572.8	1575.5	1575.1	1475.5	1395.7	1502.9	1616.7	1569.7	1491.4	1703.9	1808.8
60°	1409.2	1423.5	1476.7	1459.0	1440.8	1587.8	1747.9	1725.9	1643.0	1816.9	1902.6
62.5°	1128.7	1156.9	1273.4	1368.3	1477.1	1706.6	1876.0	1878.7	1800.0	1904.5	1975.1
65°	761.5	759.2	932.8	1168.1	1434.3	1893.3	2067.3	2061.9	1945.4	2004.4	2082.0
67.5°	423.2	432.4	546.2	773.1	1269.5	2009.0	2434.5	2318.8	2146.0	2156.8	2232.0
70°	261.9	273.1	311.3	432.1	812.8	1874.0	2906.3	2852.3	2516.7	2358.9	2292.6
72.5°	199.1	205.2	236.1	306.3	489.1	1355.6	3062.9	3301.3	2939.5	2408.7	2160.7
75°	118.8	126.1	168.2	264.6	407.8	701.7	2655.6	3150.1	3073.8	2377.1	1885.6
77.5°	74.1	76.0	90.7	184.8	375.7	441.7	1819.3	2439.9	2505.1	2013.3	1332.4
80°	56.7	57.1	62.5	98.4	303.6	418.2	1053.5	1629.5	1597.1	1075.1	523.5
82.5°	35.9	38.2	48.6	60.2	144.3	407.8	622.6	927.8	816.7	290.9	145.8
85°	18.1	20.4	34.3	41.3	69.8	441.7	441.7	475.6	334.5	97.6	55.2
87.5°	3.1	3.1	4.6	10.8	13.9	74.8	123.4	107.6	71.0	13.1	10.8
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.9	1.9	1.9	1.5	1.2	0.8	0.4	0.4	0.4	0.8	0.8
5°	1.9	1.9	1.9	1.5	1.2	0.8	0.4	0.4	0.8	1.2	1.2
7.5°	1.9	1.9	1.9	1.5	1.2	1.2	0.8	1.5	3.5	45.1	30.5
10°	2.3	2.3	2.3	1.9	1.5	4.2	131.9	139.3	139.6	138.9	137.3
12.5°	12.3	13.5	10.0	3.5	14.3	132.3	126.9	120.7	118.4	115.7	115.7
15°	243.8	240.7	227.2	167.4	102.6	118.0	106.1	98.0	152.0	150.1	151.6
17.5°	244.6	239.2	219.9	239.6	222.2	106.1	120.4	130.8	123.4	120.7	121.9
20°	464.1	439.0	223.0	223.4	190.6	188.3	102.2	96.4	97.6	99.9	100.7
22.5°	472.6	443.6	342.2	289.3	163.6	150.8	104.5	83.7	123.8	137.7	139.3
25°	476.4	440.2	323.3	256.1	184.8	113.0	101.1	91.8	113.0	126.9	127.7
27.5°	673.5	610.3	441.7	217.6	142.7	99.1	94.5	86.4	101.5	125.8	126.1
30°	667.8	593.3	409.3	210.6	110.3	91.4	81.8	90.3	95.7	102.2	102.2
32.5°	868.3	761.5	454.0	169.7	92.6	76.0	77.2	82.2	82.6	97.6	98.8
35°	868.7	744.9	391.2	155.1	79.5	69.4	70.6	76.0	84.1	93.7	95.3
37.5°	882.2	737.6	337.2	120.7	79.5	69.4	67.1	72.5	78.3	91.8	93.4
40°	910.8	740.7	285.8	100.3	76.8	68.3	66.4	70.6	77.5	85.3	86.0
42.5°	959.4	758.0	237.2	90.7	74.8	68.3	63.7	66.7	70.6	86.4	88.0
45°	1036.5	795.1	199.8	86.8	74.1	65.6	60.6	61.3	64.0	102.2	106.5
47.5°	1126.8	846.4	167.4	84.9	72.9	62.9	55.9	56.7	62.9	116.1	121.9
50°	1231.0	922.4	148.1	84.5	71.8	59.0	52.5	56.7	69.4	115.7	118.4
52.5°	1353.3	999.5	137.7	86.0	71.0	55.5	54.4	63.7	66.0	93.0	93.0
55°	1463.2	1085.1	138.5	87.2	68.7	55.5	55.9	54.0	52.1	64.0	64.4
57.5°	1571.2	1170.4	151.2	84.9	65.2	55.9	48.2	44.4	45.1	54.4	55.5
60°	1664.9	1252.6	189.4	79.9	62.1	50.5	44.7	41.7	42.4	54.8	55.9
62.5°	1766.0	1352.9	262.3	81.8	61.7	47.8	41.7	38.2	39.7	45.5	46.3
65°	1902.6	1492.9	327.9	96.4	64.0	46.3	38.2	36.3	36.6	37.0	37.0
67.5°	2036.4	1579.3	316.3	113.8	71.8	45.5	36.3	33.9	33.6	33.6	33.6
70°	2023.3	1485.6	250.7	120.7	77.9	45.5	34.7	31.6	30.9	30.9	30.9
72.5°	1833.9	1270.7	192.5	111.9	71.8	43.6	32.4	28.9	27.8	27.8	27.8
75°	1560.4	1019.2	161.6	97.2	58.6	37.4	28.5	25.8	25.1	25.1	24.7
77.5°	996.8	602.6	137.3	79.1	45.1	30.5	24.7	22.4	22.4	22.4	21.2
80°	400.0	265.0	106.9	62.5	35.1	24.3	20.4	19.3	18.9	18.5	17.4
82.5°	152.0	130.8	69.4	45.5	27.0	18.5	16.6	15.4	15.4	15.0	13.1
85°	54.4	50.9	32.0	26.2	16.6	11.6	12.7	11.6	11.2	10.0	8.5
87.5°	11.6	12.7	8.9	5.8	5.8	3.5	4.2	4.6	4.6	4.2	2.3
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)