

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: P414982

Luminaire Tested: **LXF.LXT-PA1-40-727-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414982
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-PA1-40-727-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA 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: 4211 lumens
Efficiency: N/A
Efficacy: 105.3 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): 40
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

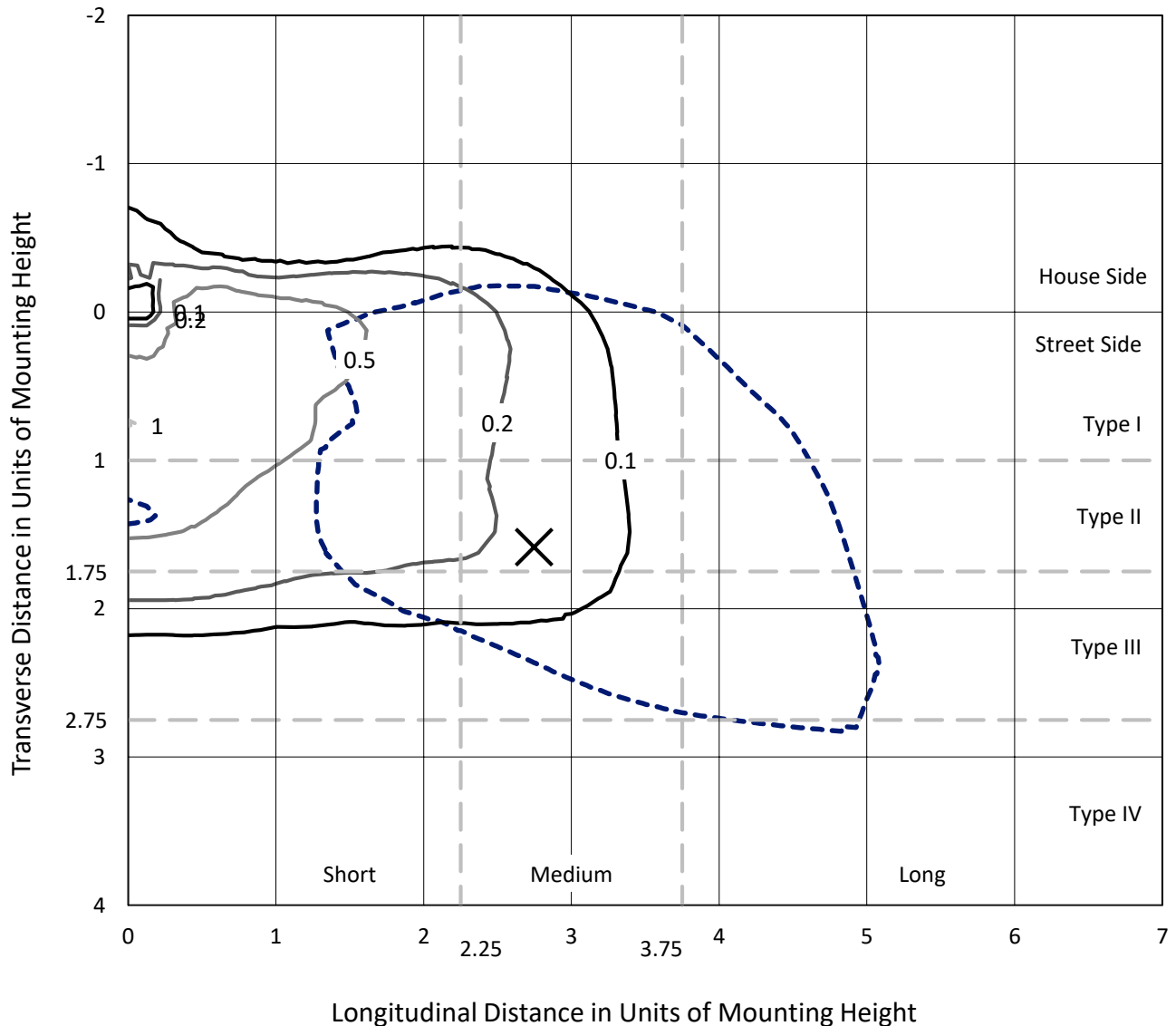


REPORT NUMBER: P414982

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

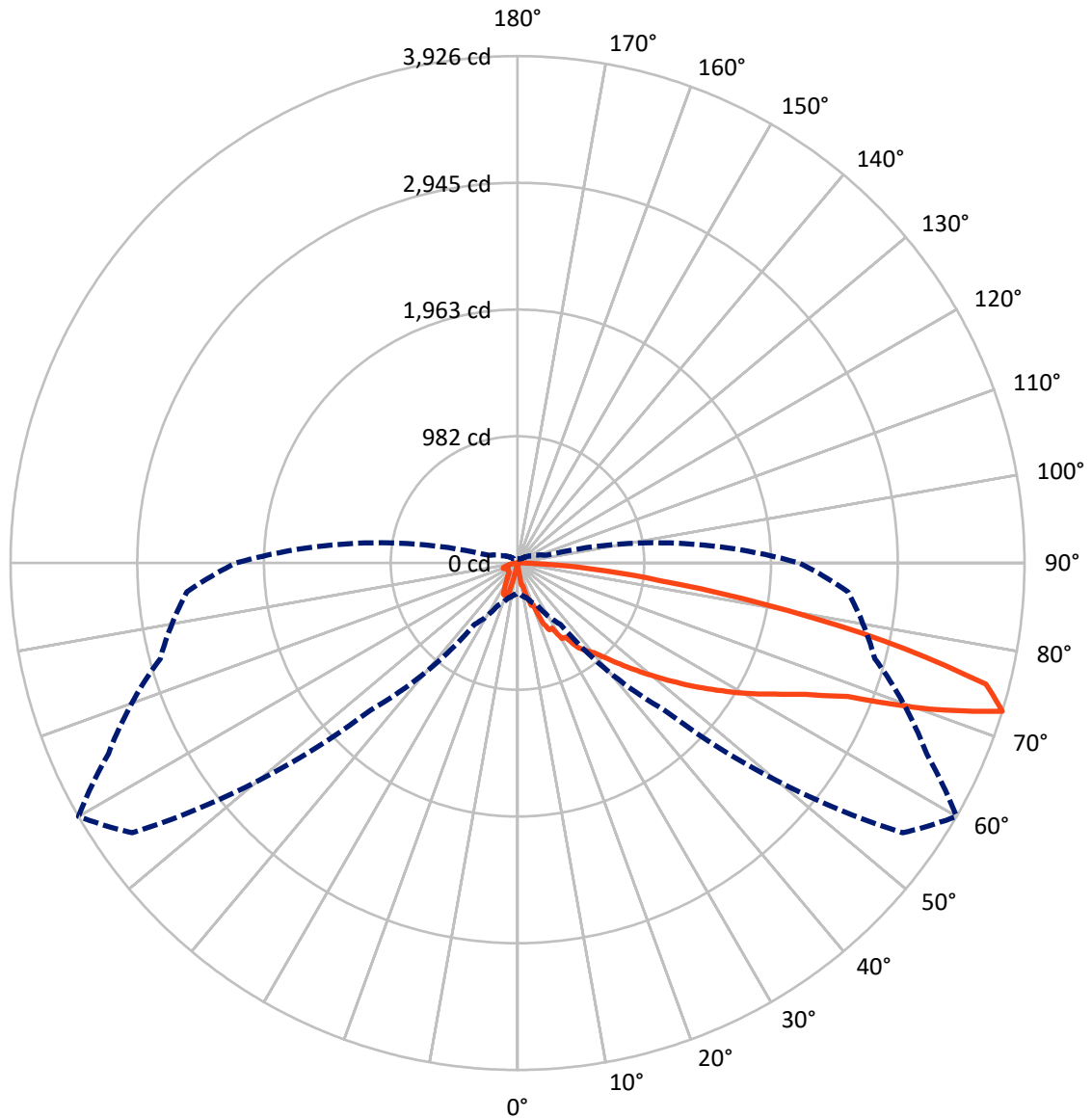


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P414982

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414982

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	606.4	0.0	606.4
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	3604.5	0.0	3604.5
	% Fixture	85.6	0.0	85.6
Total	Lumens	4211.0	0.0	4211.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	61.4	1.5
20°-30°	184.9	4.4
30°-40°	365.6	8.7
40°-50°	605.7	14.4
50°-60°	904.8	21.5
60°-70°	1076.3	25.6
70°-80°	861.6	20.5
80°-90°	146.2	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°	4211.0	100.0
0°-180°	4211.0	100.0



REPORT NUMBER: P414982

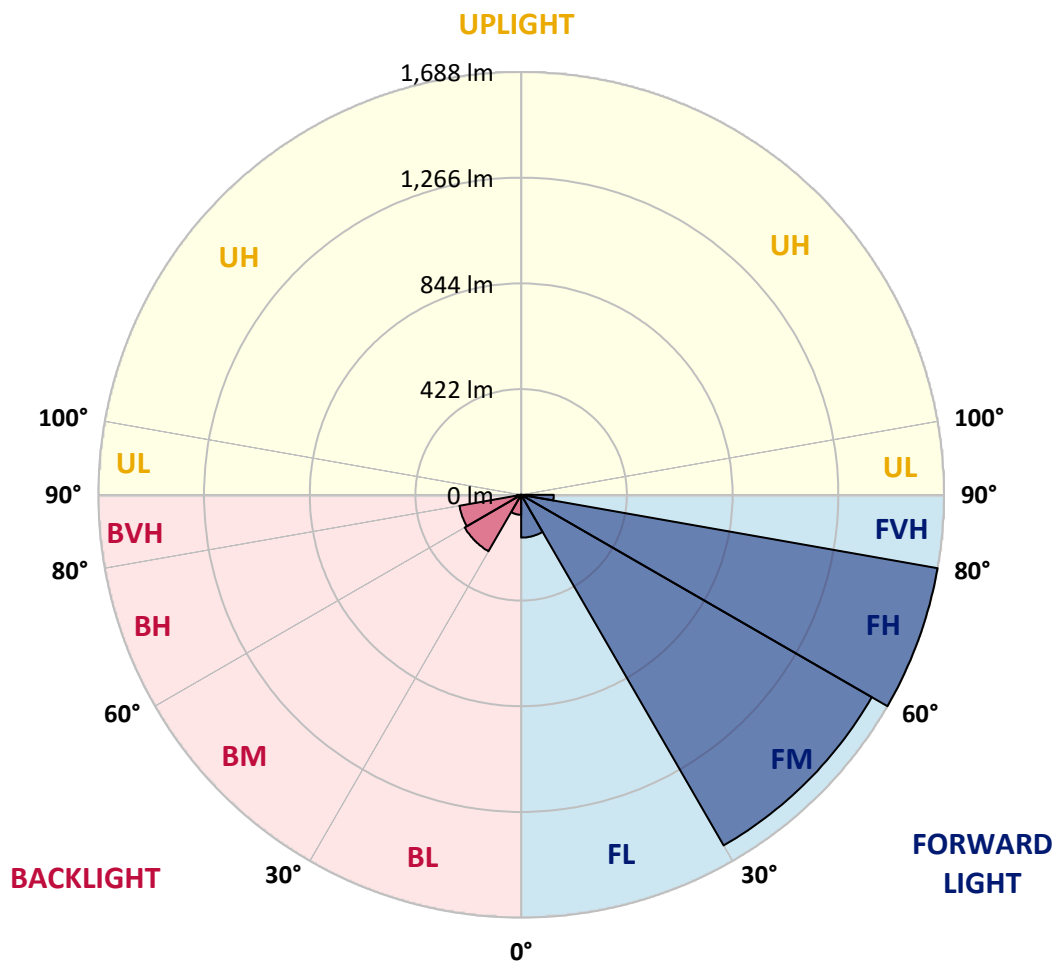
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	170.9	4.1			
FM (30°-60°)	1615.9	38.4			
FH (60°-80°)	1687.6	40.1			G1/1800
FVH (80°-90°)	130.1	3.1			G2/225
BL (0°-30°)	79.8	1.9	B0/110		
BM (30°-60°)	260.2	6.2	B1/1000		
BH (60°-80°)	250.3	5.9	B1/500		G1/500
BVH (80°-90°)	16.1	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





REPORT NUMBER: P414982

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.3	2.3	2.8	3.2	3.2	2.8	2.3	2.3	2.3	1.8	2.3
5°	157.4	79.4	53.2	25.2	18.8	9.2	3.7	2.8	2.8	2.3	2.3
7.5°	180.7	180.7	181.2	183.0	184.4	185.3	22.9	11.9	4.6	2.3	2.3
10°	174.3	172.9	173.9	175.7	177.5	180.3	183.5	174.3	20.6	3.7	2.8
12.5°	322.0	321.1	310.1	189.0	175.2	175.2	179.8	180.3	141.8	13.8	13.3
15°	310.6	310.1	311.5	314.7	319.8	181.2	184.0	267.9	349.1	245.9	285.8
17.5°	319.3	315.6	307.4	305.5	310.1	291.3	342.7	346.8	354.6	282.6	289.5
20°	438.1	436.7	436.7	367.9	303.2	423.9	402.3	347.3	356.5	408.7	512.0
22.5°	436.7	434.4	431.2	430.8	494.1	412.4	418.8	502.3	522.5	599.1	578.5
25°	593.6	587.7	497.7	434.0	490.9	462.0	559.7	574.4	531.2	621.6	591.8
27.5°	644.5	633.1	604.6	554.2	494.5	561.5	558.8	570.7	585.8	849.6	813.4
30°	875.3	821.2	668.9	643.6	591.3	568.4	636.7	678.5	740.0	832.2	847.3
32.5°	979.4	959.7	885.4	792.3	690.9	613.8	696.4	685.8	745.5	1011.5	1086.3
35°	1204.2	1179.9	976.2	892.3	803.3	752.4	716.1	801.0	874.4	1051.9	1107.0
37.5°	1248.3	1242.8	1195.5	1045.0	925.8	827.1	838.1	861.1	908.8	1108.3	1165.2
40°	1282.7	1283.1	1296.9	1167.1	1038.6	947.3	914.3	914.8	955.6	1201.0	1240.0
42.5°	1373.5	1377.2	1414.3	1275.8	1175.3	1087.7	1030.4	1005.1	1036.3	1307.4	1331.8
45°	1537.3	1529.0	1560.7	1387.7	1278.1	1202.8	1157.0	1118.4	1135.0	1420.8	1448.7
47.5°	1743.3	1725.8	1715.3	1527.2	1390.0	1325.3	1282.7	1242.3	1247.3	1529.0	1582.7
50°	1902.4	1893.7	1839.1	1632.7	1486.4	1448.7	1430.8	1380.8	1359.3	1649.7	1735.9
52.5°	1970.3	1962.1	1894.6	1712.5	1562.5	1566.6	1597.8	1532.7	1472.1	1780.4	1881.8
55°	1958.4	1951.5	1907.0	1752.0	1617.6	1680.4	1762.1	1696.9	1618.5	1903.8	2030.4
57.5°	1870.3	1873.5	1873.1	1754.7	1659.8	1787.3	1922.6	1866.7	1773.5	2026.3	2151.1
60°	1675.8	1692.8	1756.1	1735.0	1713.4	1888.2	2078.6	2052.5	1953.8	2160.7	2262.6
62.5°	1342.3	1375.8	1514.3	1627.2	1756.6	2029.5	2230.9	2234.1	2140.5	2264.9	2348.8
65°	905.6	902.8	1109.3	1389.1	1705.6	2251.6	2458.5	2452.0	2313.5	2383.7	2475.9
67.5°	503.3	514.3	649.6	919.3	1509.8	2389.2	2895.2	2757.6	2552.0	2564.9	2654.3
70°	311.5	324.8	370.2	513.8	966.6	2228.6	3456.2	3392.0	2992.9	2805.3	2726.4
72.5°	236.7	244.1	280.8	364.2	581.7	1612.1	3642.5	3926.0	3495.7	2864.5	2569.5
75°	141.3	150.0	200.0	314.7	484.9	834.5	3158.1	3746.2	3655.3	2826.8	2242.4
77.5°	88.1	90.4	107.8	219.7	446.8	525.3	2163.5	2901.6	2979.1	2394.2	1584.5
80°	67.4	67.9	74.3	117.0	361.0	497.3	1252.9	1937.8	1899.2	1278.5	622.5
82.5°	42.7	45.4	57.8	71.6	171.6	484.9	740.4	1103.3	971.2	345.9	173.4
85°	21.6	24.3	40.8	49.1	83.0	525.3	525.3	565.6	397.7	116.1	65.6
87.5°	3.7	3.7	5.5	12.8	16.5	89.0	146.8	128.0	84.4	15.6	12.8
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: P414982

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.3	2.3	2.3	1.8	1.4	0.9	0.5	0.5	0.5	0.9	0.9
5°	2.3	2.3	2.3	1.8	1.4	0.9	0.5	0.5	0.9	1.4	1.4
7.5°	2.3	2.3	2.3	1.8	1.4	1.4	0.9	1.8	4.1	53.7	36.2
10°	2.8	2.8	2.8	2.3	1.8	5.0	156.9	165.6	166.1	165.2	163.3
12.5°	14.7	16.1	11.9	4.1	17.0	157.4	150.9	143.6	140.8	137.6	137.6
15°	289.9	286.3	270.2	199.1	122.0	140.4	126.2	116.5	180.7	178.5	180.3
17.5°	290.8	284.4	261.5	284.9	264.2	126.2	143.1	155.5	146.8	143.6	145.0
20°	551.9	522.1	265.2	265.6	226.6	223.9	121.6	114.7	116.1	118.8	119.7
22.5°	562.0	527.6	406.9	344.1	194.5	179.4	124.3	99.5	147.3	163.8	165.6
25°	566.6	523.4	384.4	304.6	219.7	134.4	120.2	109.2	134.4	150.9	151.8
27.5°	801.0	725.7	525.3	258.7	169.7	117.9	112.4	102.8	120.7	149.6	150.0
30°	794.1	705.6	486.7	250.5	131.2	108.7	97.3	107.3	113.8	121.6	121.6
32.5°	1032.7	905.6	540.0	201.9	110.1	90.4	91.8	97.7	98.2	116.1	117.4
35°	1033.1	885.9	465.2	184.4	94.5	82.6	84.0	90.4	100.0	111.5	113.3
37.5°	1049.2	877.1	400.9	143.6	94.5	82.6	79.8	86.2	93.1	109.2	111.0
40°	1083.1	880.8	339.9	119.3	91.3	81.2	78.9	84.0	92.2	101.4	102.3
42.5°	1140.9	901.4	282.1	107.8	89.0	81.2	75.7	79.4	84.0	102.8	104.6
45°	1232.7	945.5	237.6	103.2	88.1	78.0	72.0	72.9	76.2	121.6	126.6
47.5°	1340.0	1006.5	199.1	100.9	86.7	74.8	66.5	67.4	74.8	138.1	145.0
50°	1463.9	1096.9	176.2	100.5	85.3	70.2	62.4	67.4	82.6	137.6	140.8
52.5°	1609.3	1188.6	163.8	102.3	84.4	66.1	64.7	75.7	78.4	110.6	110.6
55°	1740.0	1290.5	164.7	103.7	81.7	66.1	66.5	64.2	61.9	76.2	76.6
57.5°	1868.5	1391.9	179.8	100.9	77.5	66.5	57.3	52.8	53.7	64.7	66.1
60°	1980.0	1489.6	225.2	95.0	73.9	60.1	53.2	49.5	50.5	65.1	66.5
62.5°	2100.2	1608.8	312.0	97.3	73.4	56.9	49.5	45.4	47.3	54.1	55.1
65°	2262.6	1775.4	389.9	114.7	76.2	55.1	45.4	43.1	43.6	44.0	44.0
67.5°	2421.8	1878.1	376.2	135.3	85.3	54.1	43.1	40.4	39.9	39.9	39.9
70°	2406.2	1766.7	298.2	143.6	92.7	54.1	41.3	37.6	36.7	36.7	36.7
72.5°	2180.9	1511.1	228.9	133.0	85.3	51.8	38.5	34.4	33.0	33.0	33.0
75°	1855.7	1212.0	192.2	115.6	69.7	44.5	33.9	30.7	29.8	29.8	29.4
77.5°	1185.4	716.6	163.3	94.0	53.7	36.2	29.4	26.6	26.6	26.6	25.2
80°	475.7	315.2	127.1	74.3	41.7	28.9	24.3	22.9	22.5	22.0	20.6
82.5°	180.7	155.5	82.6	54.1	32.1	22.0	19.7	18.4	18.4	17.9	15.6
85°	64.7	60.6	38.1	31.2	19.7	13.8	15.1	13.8	13.3	11.9	10.1
87.5°	13.8	15.1	10.6	6.9	6.9	4.1	5.0	5.5	5.5	5.0	2.8
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)