

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: P415269

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3738 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 40
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

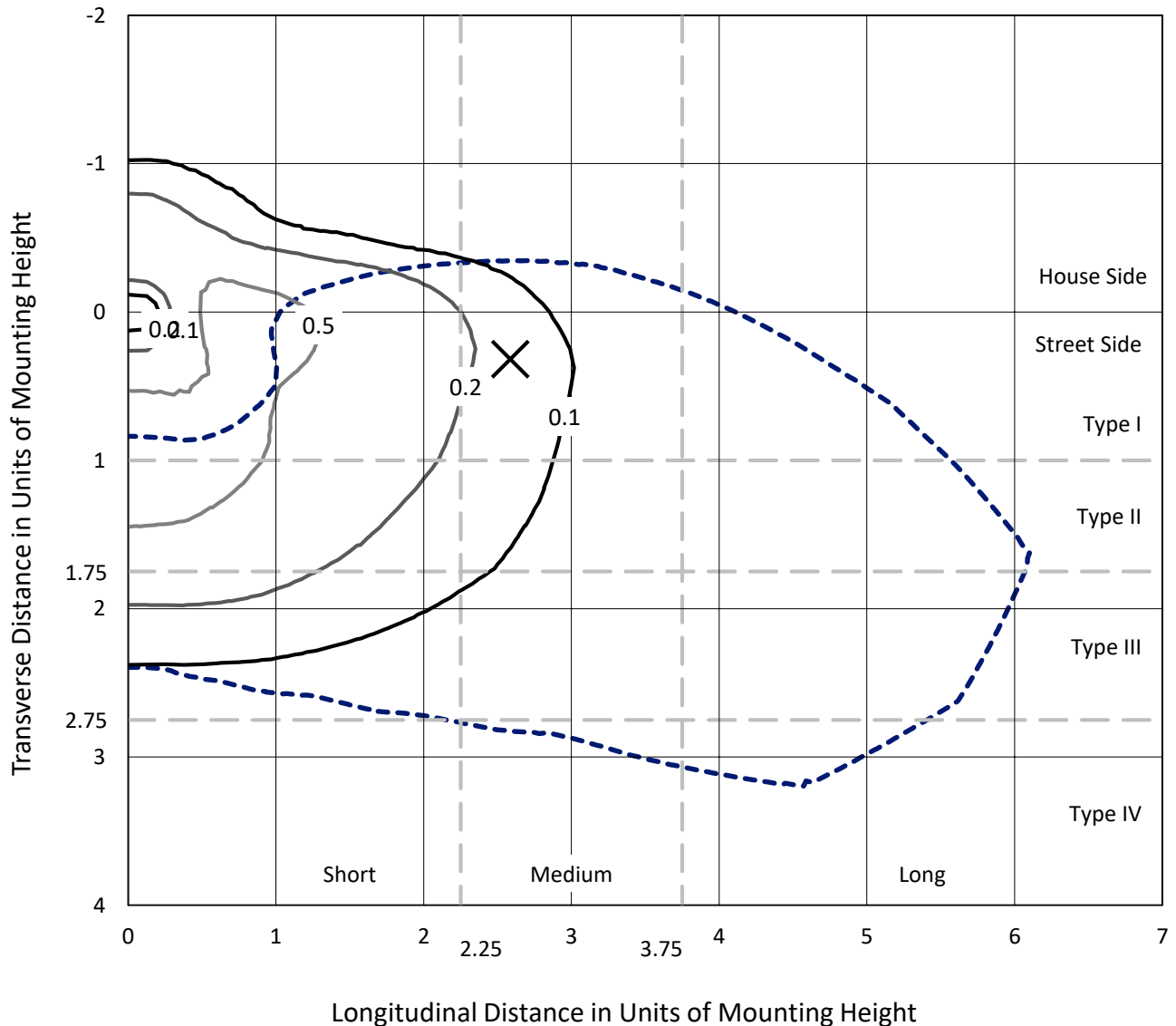


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

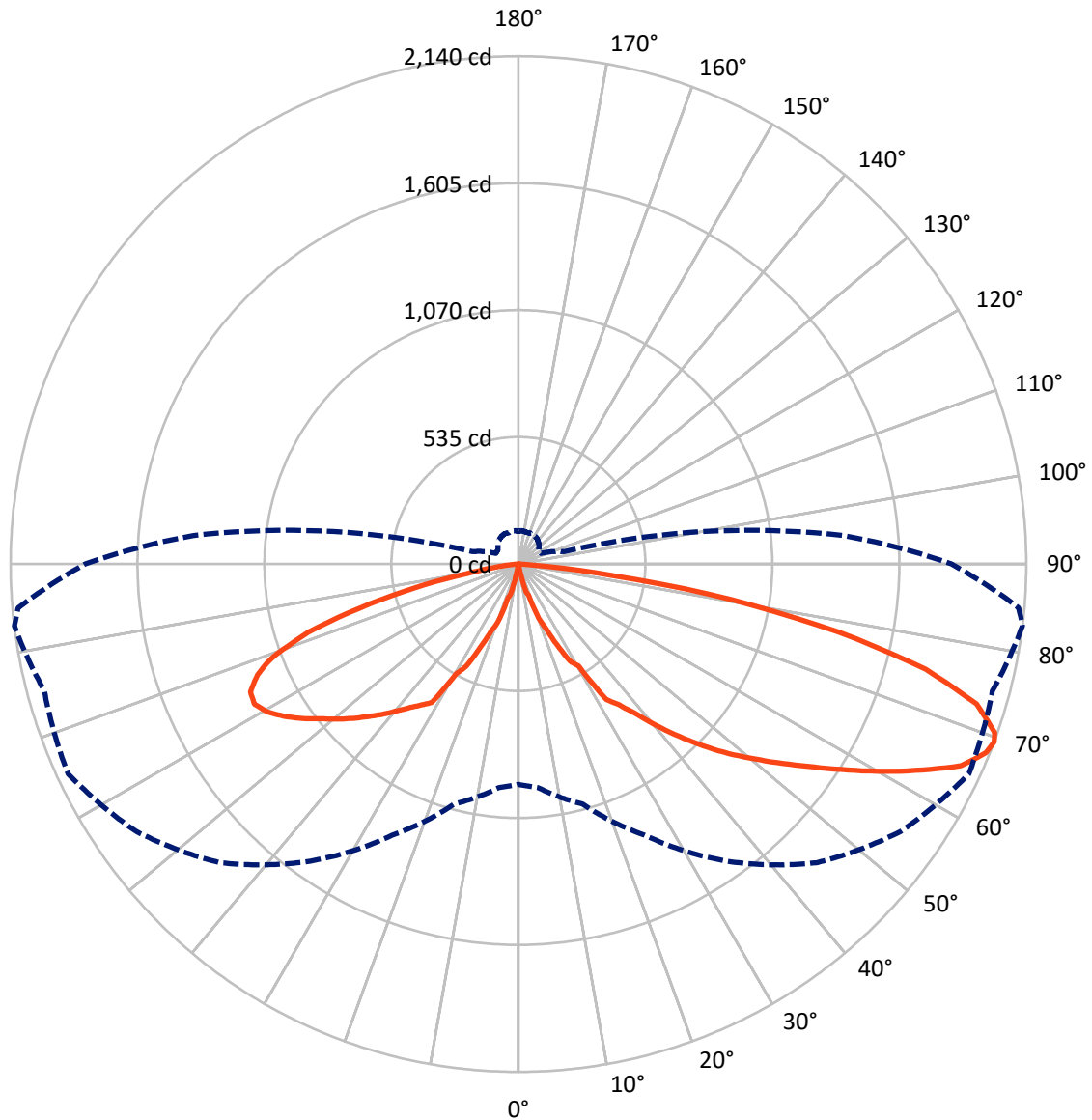


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	792.8	0.0	792.8
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	2945.2	0.0	2945.2
	% Fixture	78.8	0.0	78.8
Total	Lumens	3738.0	0.0	3738.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	38.0	1.0
20°-30°	149.9	4.0
30°-40°	333.6	8.9
40°-50°	566.4	15.2
50°-60°	844.1	22.6
60°-70°	994.1	26.6
70°-80°	695.8	18.6
80°-90°	113.6	3.0
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°	3738.0	100.0
0°-180°	3738.0	100.0



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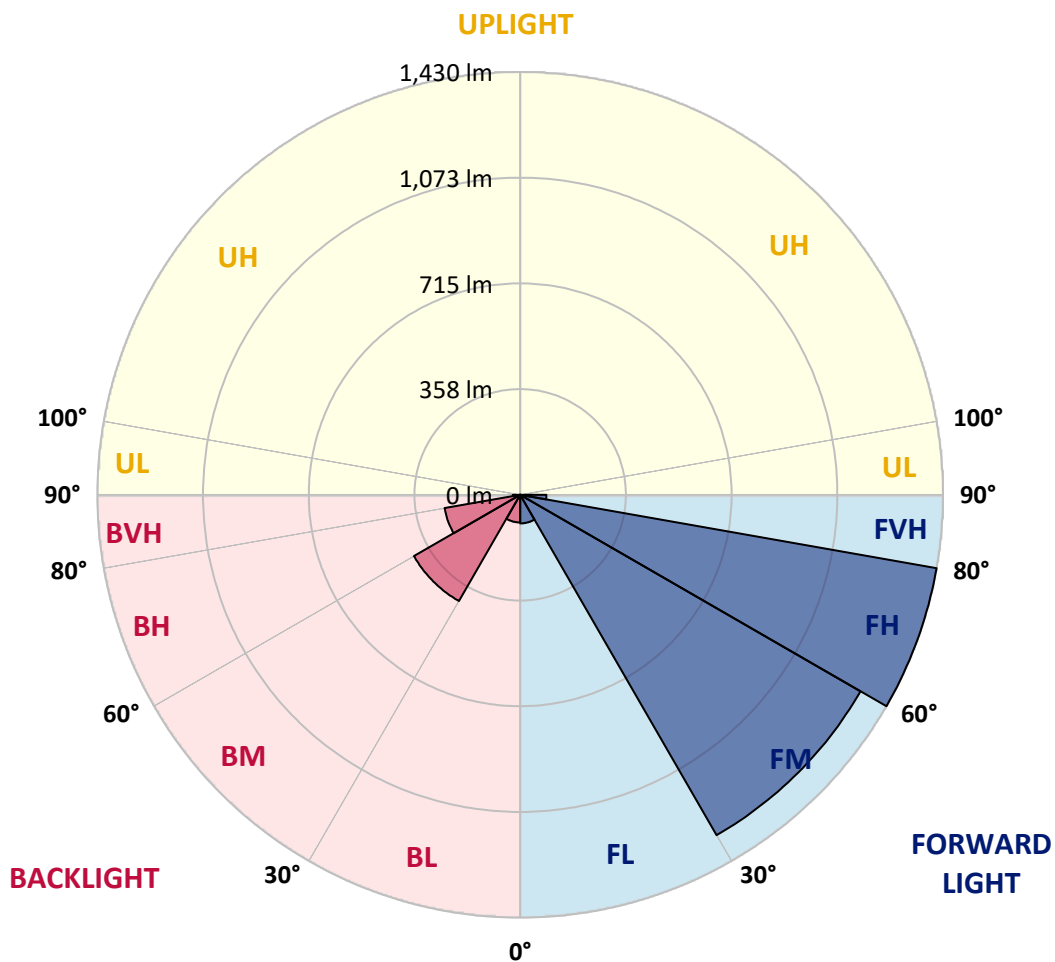
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.8	2.6			
FM (30°-60°)	1329.3	35.6			
FH (60°-80°)	1430.3	38.3			G1/1800
FVH (80°-90°)	88.8	2.4			G1/100
BL (0°-30°)	93.5	2.5	B0/110		
BM (30°-60°)	414.9	11.1	B1/1000		
BH (60°-80°)	259.7	6.9	B1/500		G1/500
BVH (80°-90°)	24.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	2.0	1.6	2.0	2.4	2.4	2.0	1.6	1.6	1.6	1.6	1.2
5°	32.6	23.7	21.3	18.9	11.3	4.0	2.4	1.6	1.6	1.6	1.6
7.5°	68.8	68.8	68.8	69.2	68.8	51.1	12.1	2.8	1.6	1.6	1.6
10°	69.6	69.2	68.8	69.2	70.0	70.4	68.0	9.7	4.0	3.6	3.6
12.5°	126.0	125.2	120.7	84.5	71.6	72.0	73.6	53.1	19.3	51.1	59.6
15°	133.6	132.8	132.8	133.2	126.4	78.5	110.7	144.9	103.0	123.1	125.2
17.5°	149.7	145.3	141.7	139.2	140.0	156.1	156.9	160.2	119.9	138.0	140.4
20°	229.4	227.8	214.9	164.6	153.7	202.8	180.7	177.9	224.5	243.9	247.9
22.5°	262.0	260.4	251.1	242.3	252.7	220.9	257.1	265.2	304.2	292.6	296.2
25°	355.7	354.5	303.0	280.5	308.3	253.9	317.5	303.8	336.0	374.6	378.7
27.5°	435.4	432.6	422.1	378.3	344.1	380.7	351.3	406.0	456.3	462.8	474.8
30°	517.1	498.6	466.4	468.0	423.7	419.7	418.5	487.3	488.9	499.0	519.5
32.5°	650.7	642.3	615.3	532.0	522.3	466.4	515.1	519.5	638.6	680.5	684.5
35°	757.7	721.5	696.2	649.1	575.9	594.0	573.8	653.5	700.6	727.6	744.1
37.5°	928.4	933.2	891.8	720.3	674.4	653.5	688.5	731.6	790.3	796.8	821.7
40°	1051.1	1047.9	992.0	865.6	763.0	741.7	765.0	807.2	886.9	895.0	901.0
42.5°	1229.8	1214.1	1136.0	994.0	899.0	853.9	860.4	878.1	957.7	993.6	986.3
45°	1395.2	1384.7	1305.8	1130.8	1027.8	975.1	965.4	949.7	1045.5	1093.4	1080.1
47.5°	1524.8	1506.2	1461.2	1282.9	1203.6	1113.9	1065.6	1037.0	1132.4	1193.6	1175.1
50°	1663.6	1635.4	1594.8	1433.8	1355.7	1275.7	1169.4	1133.6	1230.2	1290.9	1276.1
52.5°	1755.7	1711.9	1686.5	1568.2	1496.2	1426.2	1270.4	1246.3	1337.6	1396.0	1392.8
55°	1709.5	1707.9	1733.6	1658.8	1588.7	1514.7	1375.5	1374.2	1449.9	1509.9	1512.7
57.5°	1629.0	1637.4	1710.7	1721.9	1692.2	1605.2	1505.4	1517.5	1581.9	1637.4	1643.5
60°	1526.4	1549.7	1655.1	1714.7	1738.4	1695.4	1630.6	1649.1	1726.0	1773.8	1772.2
62.5°	1390.7	1409.7	1540.8	1675.7	1723.9	1764.6	1746.1	1805.6	1866.4	1911.5	1923.1
65°	1230.6	1238.2	1380.3	1562.2	1686.9	1800.0	1842.7	1950.9	1980.3	2049.5	2051.9
67.5°	1053.1	1055.5	1179.1	1396.0	1606.4	1797.2	1924.8	2058.4	2050.7	2124.3	2118.7
69°	928.4	945.7	1047.1	1260.8	1528.4	1779.9	1965.4	2093.8	2068.0	2140.0	2115.5
70°	840.6	839.4	955.3	1146.1	1459.6	1757.7	1991.2	2103.0	2068.4	2129.2	2092.2
72.5°	535.6	543.7	643.9	813.3	1176.3	1629.8	2022.9	2078.5	2024.1	2018.1	1938.8
75°	236.6	214.9	277.7	430.6	739.6	1267.6	1946.5	1967.8	1898.2	1773.8	1637.8
77.5°	82.9	86.1	104.6	175.1	356.1	755.3	1613.3	1731.2	1676.5	1377.5	1225.8
80°	59.2	59.6	70.0	97.8	172.6	266.4	1027.0	1252.3	1290.1	908.3	780.7
82.5°	41.9	41.9	51.9	62.4	119.5	119.1	441.9	688.9	736.0	402.8	301.4
85°	35.0	35.8	39.8	36.2	70.0	60.8	109.1	212.5	174.2	49.1	43.1
87.5°	5.2	4.8	13.7	12.1	10.5	8.9	12.1	13.7	9.3	7.2	5.2
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.6	1.6	1.6	1.6	1.2	0.8	0.8	0.8	1.2	1.2	1.2
5°	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.8	3.2	3.6	3.6
7.5°	1.6	1.6	1.6	2.0	2.4	3.6	19.7	68.4	74.8	78.1	80.1
10°	3.2	3.6	3.6	3.6	8.9	75.7	90.1	93.4	96.6	98.2	97.8
12.5°	62.4	64.4	16.1	11.7	70.4	94.6	97.4	100.6	103.8	106.2	105.8
15°	128.4	131.6	126.4	130.8	138.8	102.6	105.0	177.9	192.8	195.6	196.0
17.5°	143.3	145.7	148.1	192.8	197.6	152.1	181.9	195.2	196.8	197.6	198.0
20°	272.8	271.6	219.7	211.3	209.3	264.0	193.2	196.8	235.4	268.0	269.6
22.5°	301.0	304.6	290.1	310.3	274.8	267.2	243.5	260.8	275.3	274.8	273.6
25°	390.3	395.2	332.8	322.7	329.6	265.6	303.8	260.4	264.4	264.8	267.2
27.5°	488.1	489.3	462.0	363.4	324.3	328.8	286.1	277.3	309.9	311.9	311.9
30°	531.6	539.2	488.1	420.9	336.0	310.7	277.3	302.2	287.7	290.1	290.1
32.5°	706.2	700.2	637.4	416.9	348.1	285.7	289.7	280.1	310.3	318.3	319.1
35°	752.1	739.6	641.0	466.0	324.7	291.8	264.8	284.5	284.5	284.1	282.1
37.5°	808.9	787.1	633.4	431.4	326.8	266.4	255.5	255.9	279.3	284.5	280.9
40°	876.1	843.5	632.2	402.8	296.2	252.3	234.6	246.3	245.9	239.0	235.0
42.5°	948.9	905.8	629.4	369.0	266.0	236.6	221.3	217.7	219.7	207.2	206.0
45°	1034.2	970.2	621.3	339.2	241.9	219.7	202.4	196.8	197.6	187.9	185.5
47.5°	1124.8	1036.6	619.3	315.9	221.7	202.8	188.7	181.5	184.3	173.4	171.0
50°	1225.8	1105.0	612.5	294.2	199.6	187.1	176.7	168.2	168.6	160.2	158.1
52.5°	1335.6	1171.4	604.8	264.4	179.5	173.8	167.8	161.4	168.6	157.3	154.9
55°	1448.3	1252.3	594.8	229.8	161.4	163.8	157.7	162.6	173.0	155.3	152.1
57.5°	1573.4	1328.4	575.9	192.0	146.9	152.5	156.5	163.0	171.4	154.9	148.9
60°	1692.2	1401.6	530.8	162.2	134.4	143.3	154.1	160.6	159.8	152.1	148.1
62.5°	1812.9	1462.0	447.5	139.2	123.9	138.8	150.5	153.3	149.7	146.9	144.5
65°	1879.3	1476.9	346.9	123.9	115.5	132.8	146.1	148.5	143.3	143.3	141.2
67.5°	1868.4	1429.0	255.9	111.5	108.2	126.8	138.4	144.1	140.4	143.3	140.0
69°	1825.0	1374.2	201.2	105.0	104.6	121.9	134.0	140.4	137.6	141.7	137.6
70°	1773.8	1319.1	177.9	101.4	101.0	118.3	131.2	137.6	134.4	137.6	134.0
72.5°	1577.9	1132.0	127.6	91.3	92.6	111.1	124.3	129.2	126.4	127.2	122.3
75°	1261.6	841.5	101.0	82.9	84.1	102.6	116.7	119.5	117.5	113.9	111.1
77.5°	886.9	542.5	82.9	75.3	75.7	92.6	108.7	108.2	105.0	101.4	97.8
80°	483.7	255.1	70.4	66.0	67.2	82.5	97.0	95.8	91.8	88.1	83.7
82.5°	209.3	103.0	54.7	52.7	56.3	69.2	83.3	80.1	76.5	78.1	60.8
85°	37.4	35.4	31.8	33.8	38.2	49.1	58.8	55.9	53.9	45.9	42.3
87.5°	3.2	4.8	4.8	6.0	8.5	9.3	16.5	12.1	12.5	4.8	2.4
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)