

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: P694890

Luminaire Tested: **LXF.LXT-PA16-30-750-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-26)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-750-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3590 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

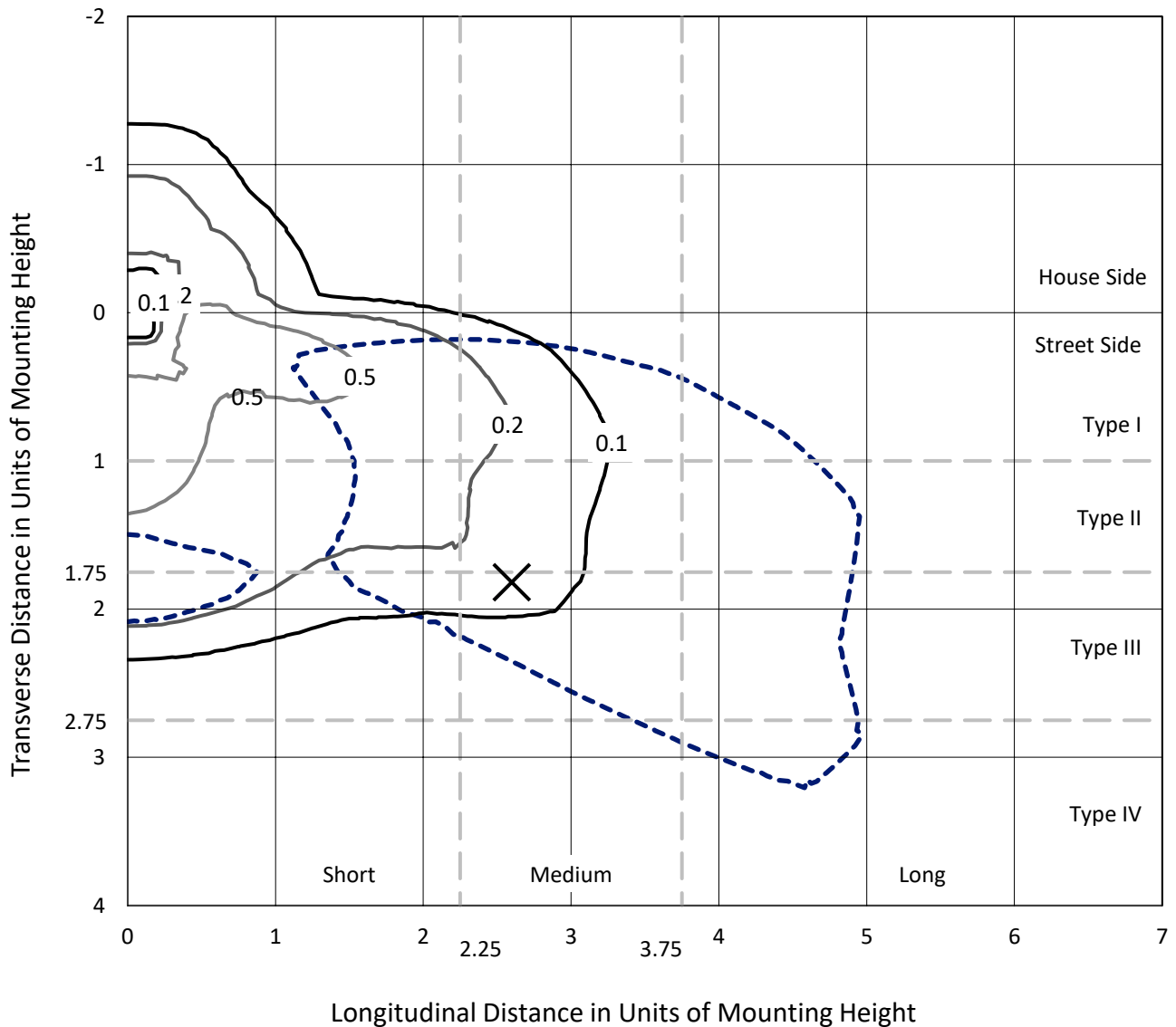
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

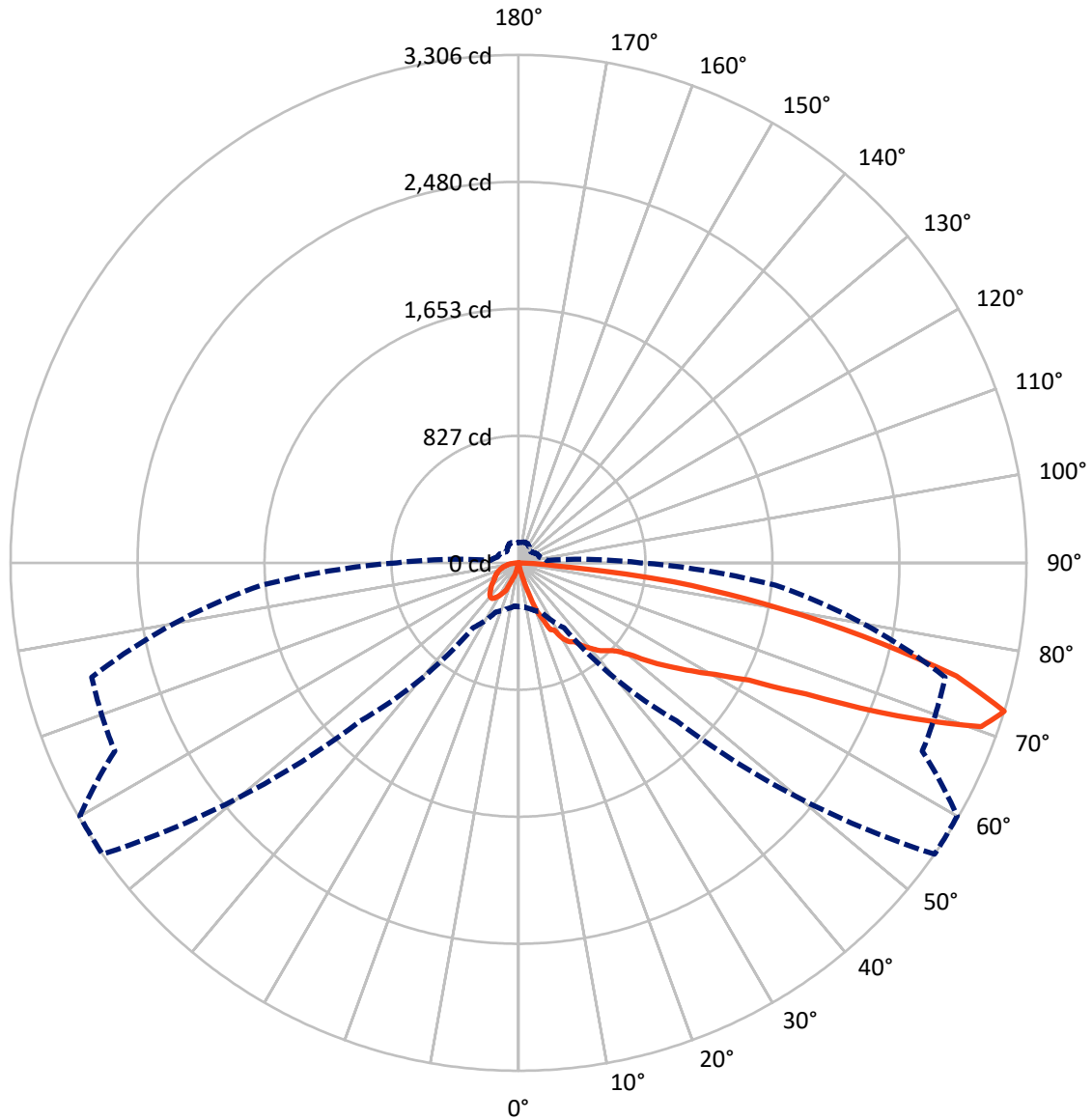
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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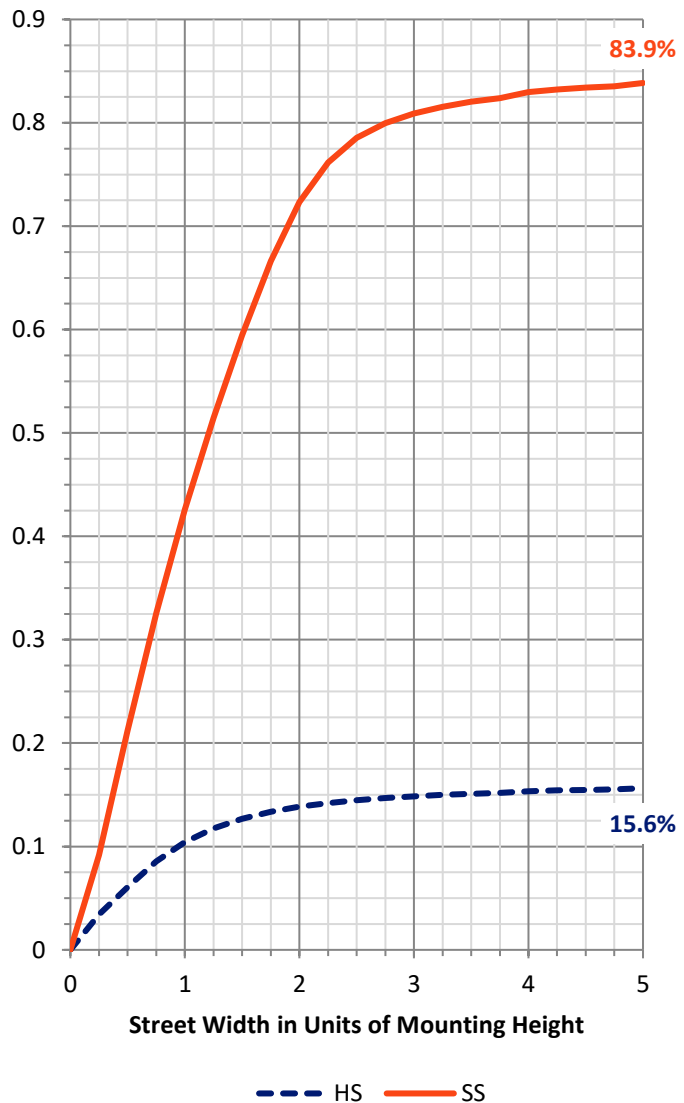
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	570.3	0.0	570.3
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	3019.7	0.0	3019.7
	% Fixture	84.1	0.0	84.1
Total	Lumens	3590.0	0.0	3590.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	34.7	1.0
20°-30°	162.5	4.5
30°-40°	346.0	9.6
40°-50°	503.9	14.0
50°-60°	734.2	20.5
60°-70°	974.4	27.1
70°-80°	717.4	20.0
80°-90°	116.7	3.3
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°	3590.0	100.0
0°-180°	3590.0	100.0

Coefficient of Utilization

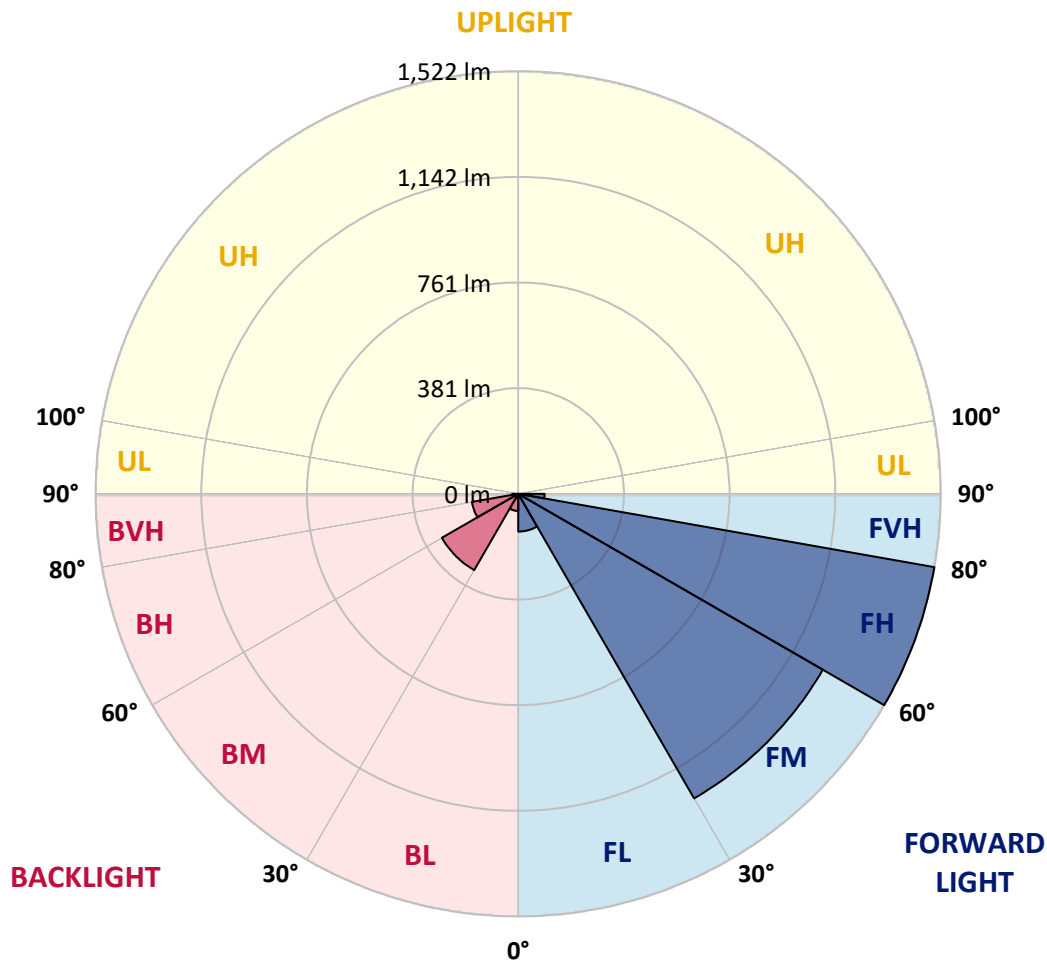


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	135.9	3.8			
FM (30°-60°)	1266.8	35.3			
FH (60°-80°)	1522.3	42.4			G1/1800
FVH (80°-90°)	94.8	2.6			G1/100
BL (0°-30°)	61.5	1.7	B0/110		
BM (30°-60°)	317.4	8.8	B1/1000		
BH (60°-80°)	169.5	4.7	B1/500		G1/500
BVH (80°-90°)	22.0	0.6			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
7.5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
10°	25.9	27.2	22.0	10.4	3.9	1.3	1.3	1.3	2.6	2.6	3.9
12.5°	205.7	208.3	204.4	82.8	38.8	7.8	5.2	9.1	14.2	22.0	86.7
15°	204.4	204.4	208.3	214.8	214.8	45.3	90.6	117.8	164.3	213.5	210.9
17.5°	216.1	214.8	209.6	207.0	221.3	252.3	191.5	230.3	234.2	242.0	236.8
20°	314.4	314.4	314.4	298.9	223.9	310.6	323.5	261.4	264.0	368.8	358.4
22.5°	344.2	342.9	332.6	324.8	337.7	308.0	390.8	449.0	442.5	502.1	471.0
25°	490.4	476.2	451.6	358.4	374.0	361.0	482.7	553.8	500.8	546.1	591.4
27.5°	571.9	561.6	539.6	487.8	398.5	437.4	494.3	582.3	680.6	780.3	701.3
30°	766.0	755.7	647.0	566.8	494.3	450.3	575.8	691.0	801.0	817.8	731.1
32.5°	794.5	795.8	801.0	724.6	581.0	498.2	613.3	714.3	856.6	1027.4	908.4
35°	812.6	811.3	811.3	751.8	692.3	588.8	631.5	803.6	984.7	1089.5	899.3
37.5°	867.0	863.1	856.6	766.0	732.4	653.5	688.4	826.9	1055.9	1186.6	890.3
40°	933.0	936.8	920.0	804.9	759.6	702.6	733.7	837.2	1140.0	1265.5	886.4
42.5°	1026.1	1021.0	992.5	869.6	799.7	724.6	782.9	864.4	1202.1	1371.6	894.1
45°	1130.9	1118.0	1077.9	958.8	859.2	737.6	815.2	913.6	1257.8	1492.0	921.3
47.5°	1239.6	1222.8	1165.9	1031.3	921.3	762.2	856.6	977.0	1321.2	1644.7	971.8
50°	1343.2	1331.5	1259.0	1107.7	986.0	807.4	935.6	1072.7	1407.9	1797.3	1057.2
52.5°	1446.7	1427.3	1338.0	1185.3	1048.1	864.4	1065.0	1213.8	1524.3	1951.3	1150.4
55°	1558.0	1532.1	1416.9	1261.6	1099.9	940.7	1190.5	1360.0	1662.8	2136.4	1265.5
57.5°	1743.0	1724.9	1560.5	1375.5	1173.6	1033.9	1326.3	1506.2	1811.6	2305.9	1380.7
60°	1952.6	1920.3	1758.5	1573.5	1327.6	1178.8	1476.4	1669.2	1953.9	2468.9	1508.8
62.5°	1944.9	1912.5	1798.6	1692.5	1525.6	1420.8	1682.2	1837.5	2075.6	2622.9	1622.7
65°	1545.0	1550.2	1546.3	1564.4	1581.3	1761.1	2056.1	2084.6	2267.1	2766.5	1731.4
67.5°	841.1	833.3	929.1	1116.7	1376.8	1977.2	2661.7	2483.2	2503.9	2901.1	1806.4
70°	401.1	401.1	456.8	621.1	987.3	1843.9	3194.9	2987.8	2758.8	2959.3	1797.3
72.5°	286.0	282.1	311.9	353.3	516.3	1454.4	3306.1	3297.1	2899.8	2875.2	1678.3
75°	231.6	234.2	245.9	267.9	244.6	855.3	2943.8	3109.5	2767.8	2610.0	1484.2
77.5°	187.6	187.6	201.9	212.2	156.6	415.4	2285.2	2500.0	2194.6	2128.6	1090.8
80°	139.8	139.8	147.5	169.5	115.2	176.0	1617.5	1683.5	1448.0	1313.4	535.7
82.5°	85.4	80.2	90.6	119.0	82.8	100.9	1015.8	916.1	727.2	407.6	159.2
85°	15.5	18.1	25.9	41.4	31.1	37.5	235.5	172.1	144.9	69.9	36.2
87.5°	0.0	0.0	0.0	1.3	2.6	3.9	5.2	6.5	6.5	5.2	3.9
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3
7.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3
10°	3.9	3.9	2.6	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3
12.5°	90.6	93.2	23.3	12.9	3.9	1.3	0.0	1.3	2.6	5.2	6.5
15°	204.4	192.8	148.8	76.3	44.0	5.2	2.6	22.0	59.5	64.7	68.6
17.5°	225.2	209.6	155.3	108.7	85.4	41.4	51.8	82.8	93.2	98.3	98.3
20°	333.8	293.7	190.2	126.8	100.9	110.0	90.6	98.3	108.7	117.8	122.9
22.5°	428.3	358.4	220.0	181.2	137.2	141.0	124.2	142.3	174.7	187.6	188.9
25°	516.3	399.8	231.6	201.9	196.7	160.5	176.0	177.3	192.8	200.6	201.9
27.5°	583.6	420.5	276.9	232.9	217.4	196.7	200.6	198.0	245.9	261.4	264.0
30°	591.4	403.7	289.9	264.0	239.4	227.7	216.1	256.2	275.6	282.1	282.1
32.5°	656.1	416.7	318.3	284.7	262.7	238.1	258.8	271.7	293.7	333.8	335.1
35°	587.5	371.4	330.0	309.3	279.5	258.8	270.4	305.4	348.1	357.1	355.8
37.5°	517.6	337.7	314.4	308.0	289.9	271.7	284.7	318.3	341.6	333.8	333.8
40°	460.7	314.4	302.8	297.6	288.6	265.3	291.1	304.1	330.0	322.2	320.9
42.5°	420.5	297.6	291.1	284.7	278.2	256.2	273.0	301.5	324.8	315.7	313.1
45°	407.6	287.3	283.4	274.3	262.7	243.3	261.4	297.6	319.6	310.6	308.0
47.5°	423.1	278.2	273.0	261.4	245.9	226.4	254.9	291.1	308.0	292.4	291.1
50°	468.4	274.3	262.7	247.2	231.6	221.3	245.9	275.6	289.9	275.6	275.6
52.5°	531.8	275.6	252.3	234.2	216.1	209.6	235.5	265.3	276.9	262.7	261.4
55°	600.4	279.5	239.4	221.3	196.7	200.6	230.3	260.1	264.0	248.4	247.2
57.5°	678.0	283.4	226.4	212.2	186.3	190.2	220.0	249.7	248.4	227.7	227.7
60°	757.0	287.3	213.5	200.6	176.0	177.3	207.0	236.8	229.0	208.3	207.0
62.5°	823.0	283.4	198.0	187.6	165.6	161.7	191.5	221.3	214.8	192.8	192.8
65°	879.9	267.9	185.0	174.7	155.3	148.8	176.0	201.9	196.7	176.0	177.3
67.5°	903.2	243.3	172.1	161.7	143.6	134.6	157.9	178.6	177.3	160.5	161.7
70°	868.3	209.6	157.9	148.8	130.7	119.0	139.8	157.9	157.9	146.2	146.2
72.5°	793.2	185.0	142.3	134.6	115.2	106.1	122.9	137.2	139.8	132.0	133.3
75°	709.1	161.7	124.2	120.3	102.2	90.6	104.8	119.0	121.6	117.8	117.8
77.5°	534.4	125.5	104.8	104.8	89.3	77.6	89.3	102.2	104.8	103.5	102.2
80°	270.4	89.3	84.1	89.3	73.8	64.7	73.8	85.4	89.3	97.0	97.0
82.5°	91.9	58.2	63.4	72.5	59.5	51.8	56.9	69.9	91.9	78.9	77.6
85°	25.9	25.9	33.6	38.8	40.1	34.9	40.1	66.0	53.1	45.3	44.0
87.5°	2.6	3.9	5.2	7.8	6.5	7.8	10.4	12.9	9.1	6.5	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

(END OF REPORT)