

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: P695970

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695970
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-PA16-750-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA 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: 7171 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

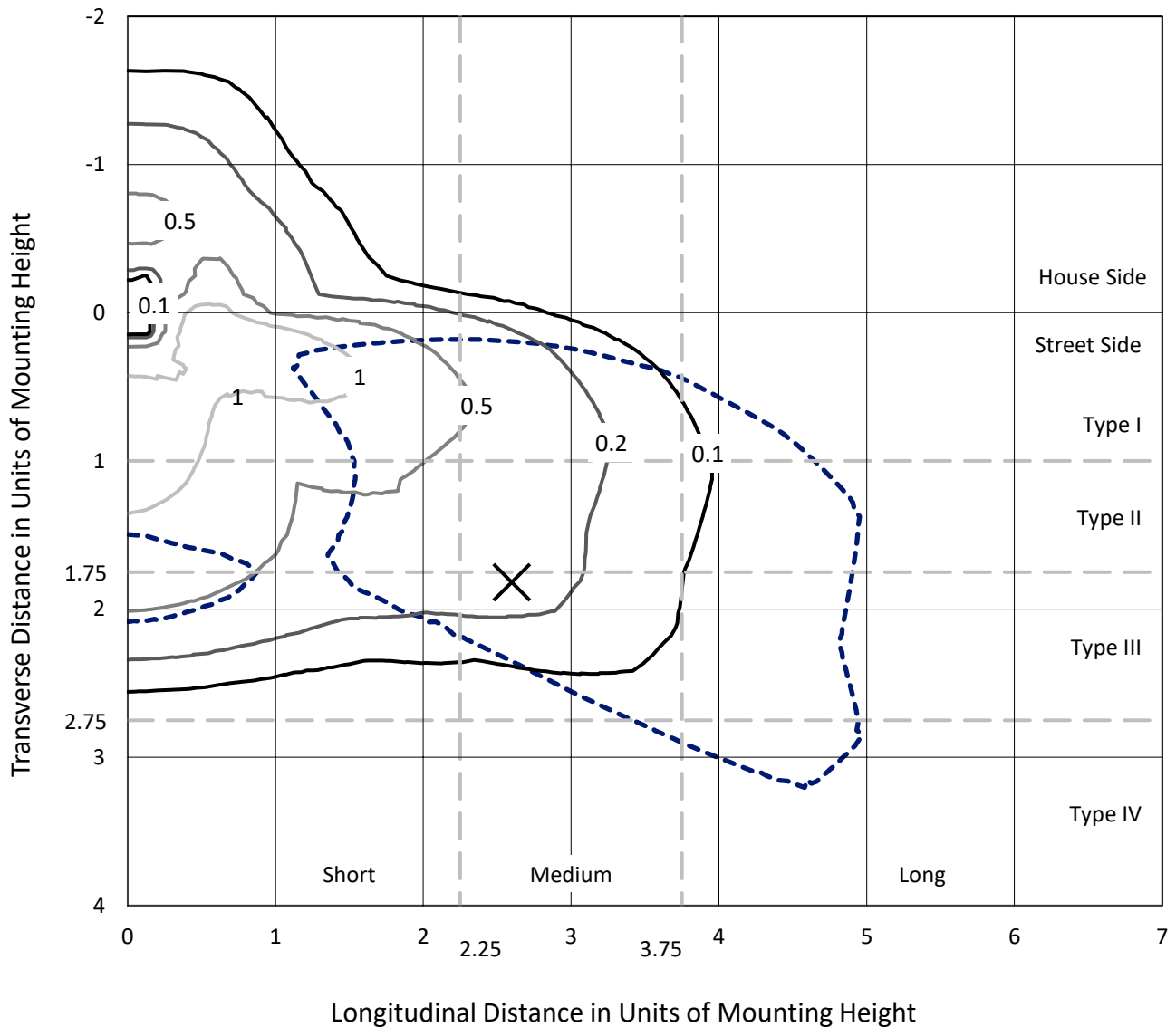
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

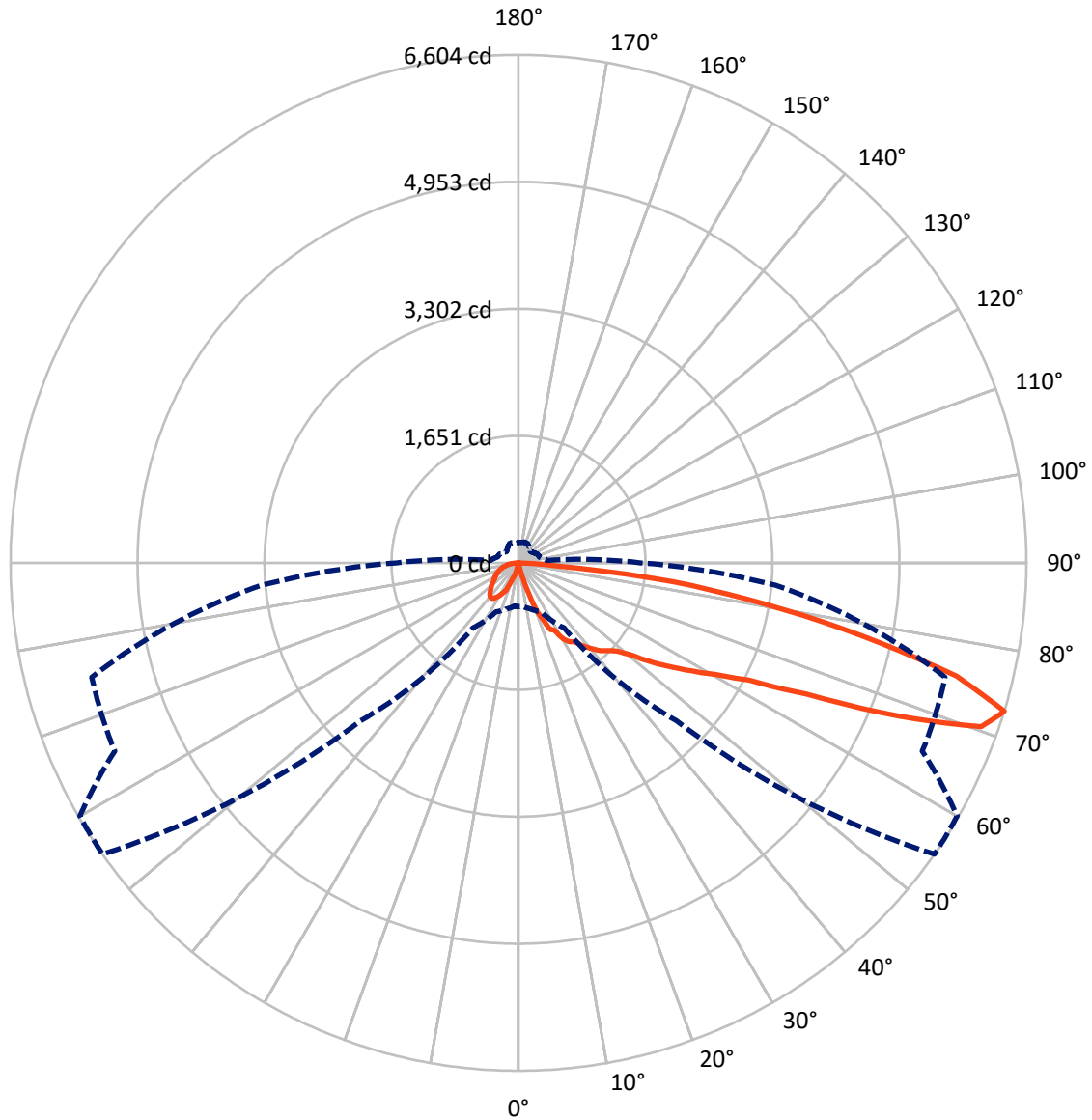
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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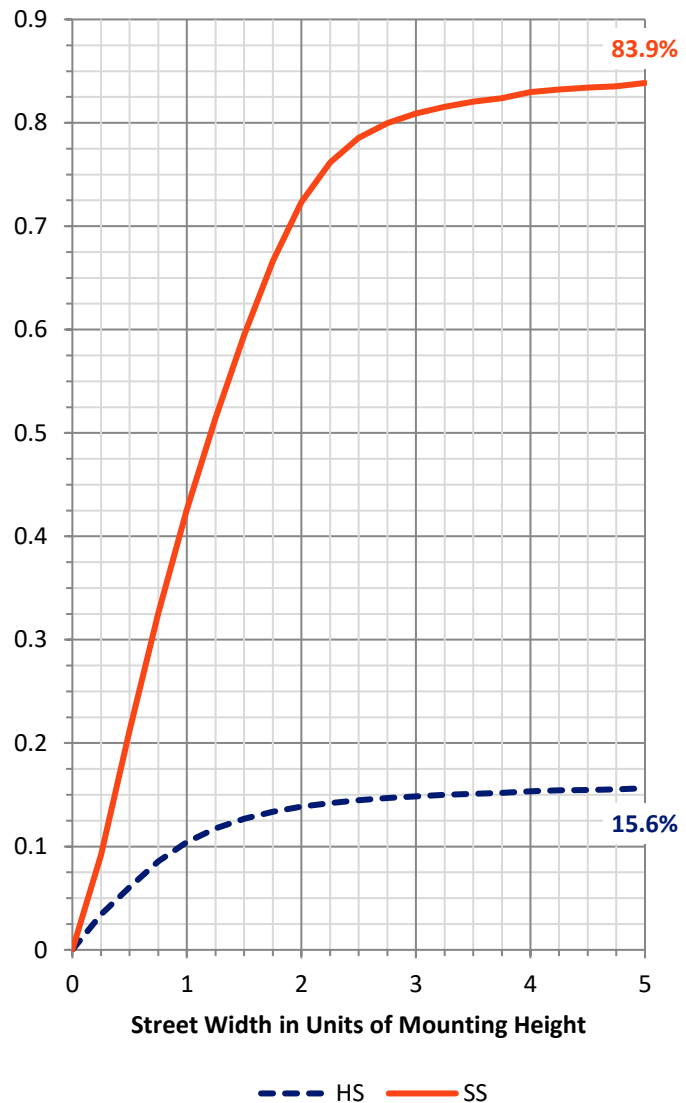
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1139.2	0.0	1139.2
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	6031.8	0.0	6031.8
	% Fixture	84.1	0.0	84.1
Total	Lumens	7171.0	0.0	7171.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	69.3	1.0
20°-30°	324.6	4.5
30°-40°	691.2	9.6
40°-50°	1006.6	14.0
50°-60°	1466.5	20.5
60°-70°	1946.3	27.1
70°-80°	1433.0	20.0
80°-90°	233.2	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°	7171.0	100.0
0°-180°	7171.0	100.0

Coefficient of Utilization

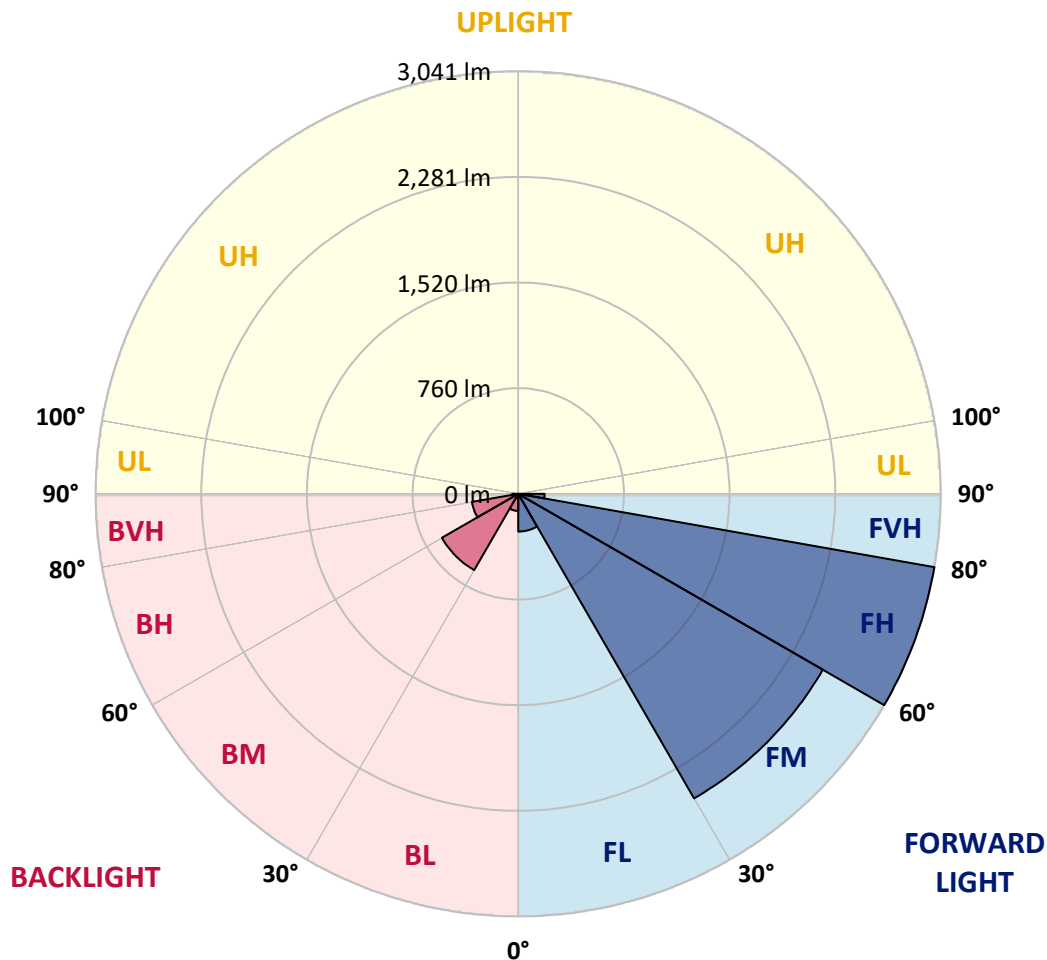


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	271.4	3.8			
FM (30°-60°)	2530.3	35.3			
FH (60°-80°)	3040.8	42.4			G2/5000
FVH (80°-90°)	189.3	2.6			G2/225
BL (0°-30°)	122.8	1.7	B1/500		
BM (30°-60°)	633.9	8.8	B1/1000		
BH (60°-80°)	338.5	4.7	B1/500		G1/500
BVH (80°-90°)	43.9	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-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6
5°	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
7.5°	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
10°	51.7	54.3	43.9	20.7	7.8	2.6	2.6	2.6	5.2	5.2	7.8
12.5°	411.0	416.1	408.4	165.4	77.5	15.5	10.3	18.1	28.4	43.9	173.2
15°	408.4	408.4	416.1	429.1	429.1	90.5	180.9	235.2	328.3	426.5	421.3
17.5°	431.6	429.1	418.7	413.6	442.0	504.0	382.5	460.1	467.8	483.3	473.0
20°	628.1	628.1	628.1	597.1	447.2	620.3	646.2	522.1	527.3	736.6	716.0
22.5°	687.5	685.0	664.3	648.8	674.6	615.2	780.6	896.9	884.0	1002.9	940.8
25°	979.6	951.2	902.1	716.0	747.0	721.1	964.1	1106.3	1000.3	1090.8	1181.2
27.5°	1142.5	1121.8	1077.8	974.4	796.1	873.6	987.4	1163.1	1359.6	1558.6	1400.9
30°	1530.2	1509.5	1292.4	1132.1	987.4	899.5	1150.2	1380.2	1599.9	1633.5	1460.4
32.5°	1587.0	1589.6	1599.9	1447.4	1160.5	995.1	1225.2	1426.8	1711.1	2052.3	1814.5
35°	1623.2	1620.6	1620.6	1501.7	1382.8	1176.1	1261.3	1605.1	1967.0	2176.3	1796.4
37.5°	1731.8	1724.0	1711.1	1530.2	1463.0	1305.3	1375.1	1651.6	2109.1	2370.2	1778.3
40°	1863.6	1871.3	1837.7	1607.7	1517.2	1403.5	1465.5	1672.3	2277.1	2527.9	1770.5
42.5°	2049.7	2039.4	1982.5	1736.9	1597.4	1447.4	1563.8	1726.6	2401.2	2739.8	1786.0
45°	2259.1	2233.2	2153.1	1915.3	1716.3	1473.3	1628.4	1824.8	2512.4	2980.2	1840.3
47.5°	2476.2	2442.6	2328.8	2060.0	1840.3	1522.4	1711.1	1951.5	2639.0	3285.2	1941.1
50°	2682.9	2659.7	2514.9	2212.5	1969.6	1612.9	1868.8	2142.7	2812.2	3590.2	2111.7
52.5°	2889.7	2851.0	2672.6	2367.6	2093.6	1726.6	2127.2	2424.5	3044.8	3897.8	2297.8
55°	3112.0	3060.3	2830.3	2520.1	2197.0	1879.1	2378.0	2716.6	3321.4	4267.4	2527.9
57.5°	3481.6	3445.4	3117.2	2747.6	2344.4	2065.2	2649.3	3008.6	3618.6	4606.0	2757.9
60°	3900.4	3835.7	3512.6	3143.0	2651.9	2354.7	2949.2	3334.3	3902.9	4931.7	3013.8
62.5°	3884.8	3820.2	3592.8	3380.8	3047.4	2838.0	3360.1	3670.3	4145.9	5239.2	3241.3
65°	3086.2	3096.5	3088.8	3124.9	3158.5	3517.8	4107.1	4164.0	4528.4	5526.2	3458.4
67.5°	1680.1	1664.6	1855.8	2230.6	2750.2	3949.5	5316.8	4960.1	5001.5	5795.0	3608.3
70°	801.3	801.3	912.4	1240.7	1972.1	3683.2	6381.7	5968.1	5510.6	5911.3	3590.2
72.5°	571.2	563.5	622.9	705.6	1031.3	2905.2	6604.0	6585.9	5792.4	5743.3	3352.4
75°	462.7	467.8	491.1	535.0	488.5	1708.5	5880.3	6211.1	5528.7	5213.4	2964.7
77.5°	374.8	374.8	403.2	423.9	312.8	829.7	4564.6	4993.7	4383.7	4251.9	2178.9
80°	279.2	279.2	294.7	338.6	230.0	351.5	3230.9	3362.7	2892.3	2623.5	1070.1
82.5°	170.6	160.3	180.9	237.8	165.4	201.6	2029.0	1830.0	1452.6	814.2	317.9
85°	31.0	36.2	51.7	82.7	62.0	75.0	470.4	343.8	289.5	139.6	72.4
87.5°	0.0	0.0	0.0	2.6	5.2	7.8	10.3	12.9	12.9	10.3	7.8
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: P695970
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	2.6
5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	2.6	2.6	2.6	2.6
7.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	2.6	2.6	2.6
10°	7.8	7.8	5.2	2.6	2.6	0.0	0.0	0.0	2.6	2.6	2.6
12.5°	180.9	186.1	46.5	25.8	7.8	2.6	0.0	2.6	5.2	10.3	12.9
15°	408.4	385.1	297.2	152.5	87.9	10.3	5.2	43.9	118.9	129.2	137.0
17.5°	449.7	418.7	310.2	217.1	170.6	82.7	103.4	165.4	186.1	196.4	196.4
20°	666.9	586.7	380.0	253.3	201.6	219.7	180.9	196.4	217.1	235.2	245.5
22.5°	855.5	716.0	439.4	361.9	274.0	281.7	248.1	284.3	348.9	374.8	377.4
25°	1031.3	798.7	462.7	403.2	392.9	320.5	351.5	354.1	385.1	400.6	403.2
27.5°	1165.7	840.0	553.1	465.3	434.2	392.9	400.6	395.5	491.1	522.1	527.3
30°	1181.2	806.4	579.0	527.3	478.2	454.9	431.6	511.8	550.5	563.5	563.5
32.5°	1310.5	832.3	635.8	568.6	524.7	475.6	516.9	542.8	586.7	666.9	669.4
35°	1173.5	741.8	659.1	617.8	558.3	516.9	540.2	610.0	695.3	713.4	710.8
37.5°	1033.9	674.6	628.1	615.2	579.0	542.8	568.6	635.8	682.4	666.9	666.9
40°	920.2	628.1	604.8	594.5	576.4	529.9	581.6	607.4	659.1	643.6	641.0
42.5°	840.0	594.5	581.6	568.6	555.7	511.8	545.4	602.2	648.8	630.7	625.5
45°	814.2	573.8	566.1	548.0	524.7	485.9	522.1	594.5	638.4	620.3	615.2
47.5°	845.2	555.7	545.4	522.1	491.1	452.3	509.2	581.6	615.2	584.1	581.6
50°	935.7	548.0	524.7	493.7	462.7	442.0	491.1	550.5	579.0	550.5	550.5
52.5°	1062.3	550.5	504.0	467.8	431.6	418.7	470.4	529.9	553.1	524.7	522.1
55°	1199.3	558.3	478.2	442.0	392.9	400.6	460.1	519.5	527.3	496.3	493.7
57.5°	1354.4	566.1	452.3	423.9	372.2	380.0	439.4	498.9	496.3	454.9	454.9
60°	1512.1	573.8	426.5	400.6	351.5	354.1	413.6	473.0	457.5	416.1	413.6
62.5°	1643.9	566.1	395.5	374.8	330.8	323.1	382.5	442.0	429.1	385.1	385.1
65°	1757.6	535.0	369.6	348.9	310.2	297.2	351.5	403.2	392.9	351.5	354.1
67.5°	1804.1	485.9	343.8	323.1	286.9	268.8	315.3	356.7	354.1	320.5	323.1
70°	1734.4	418.7	315.3	297.2	261.1	237.8	279.2	315.3	315.3	292.1	292.1
72.5°	1584.4	369.6	284.3	268.8	230.0	211.9	245.5	274.0	279.2	263.6	266.2
75°	1416.4	323.1	248.1	240.4	204.2	180.9	209.4	237.8	243.0	235.2	235.2
77.5°	1067.5	250.7	209.4	209.4	178.3	155.1	178.3	204.2	209.4	206.8	204.2
80°	540.2	178.3	168.0	178.3	147.3	129.2	147.3	170.6	178.3	193.9	193.9
82.5°	183.5	116.3	126.7	144.7	118.9	103.4	113.7	139.6	183.5	157.7	155.1
85°	51.7	51.7	67.2	77.5	80.1	69.8	80.1	131.8	106.0	90.5	87.9
87.5°	5.2	7.8	10.3	15.5	12.9	15.5	20.7	25.8	18.1	12.9	10.3
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)