

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: P695985

Luminaire Tested: **LXF.LXT-PA16-750-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)
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-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7517 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

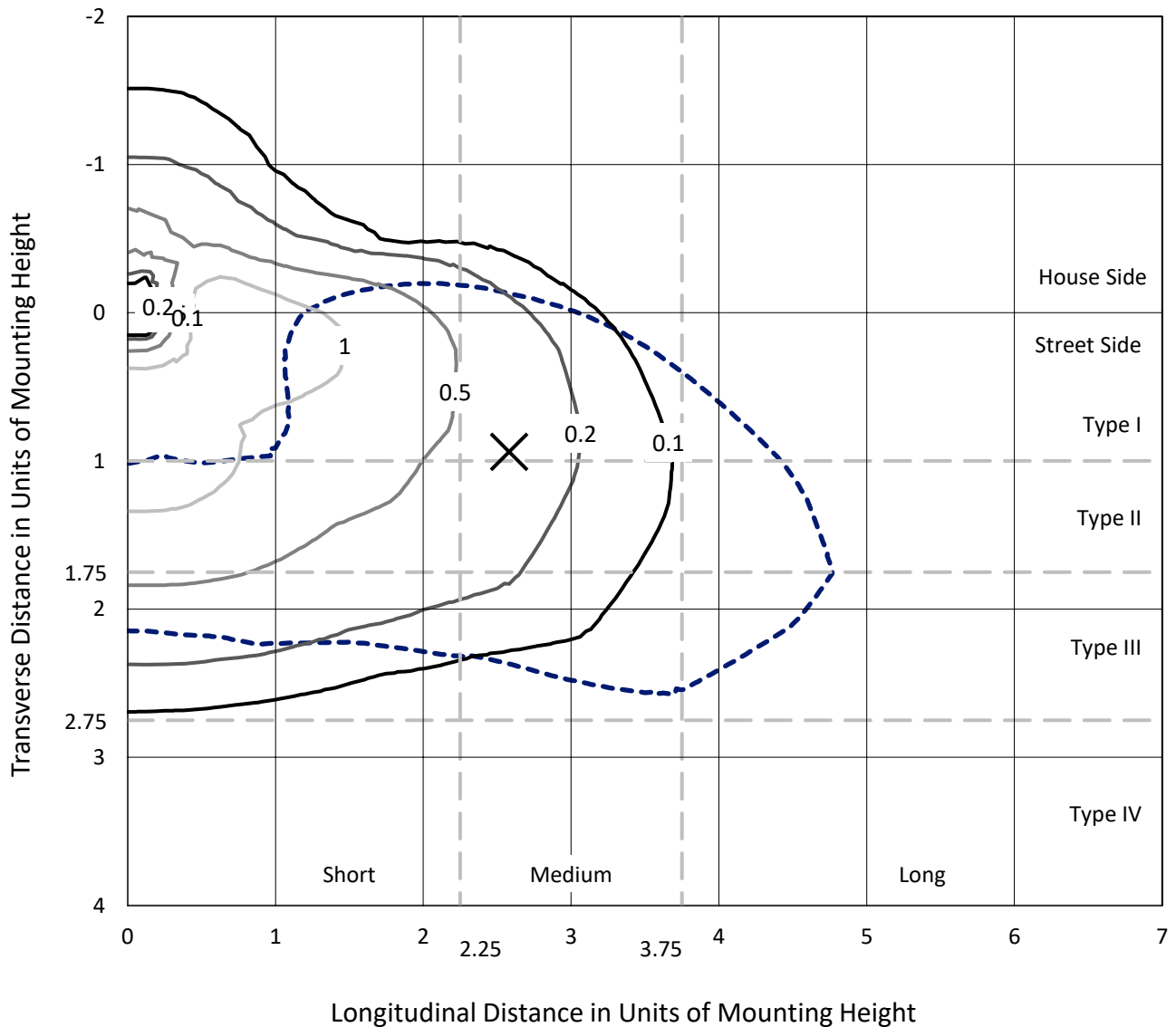
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

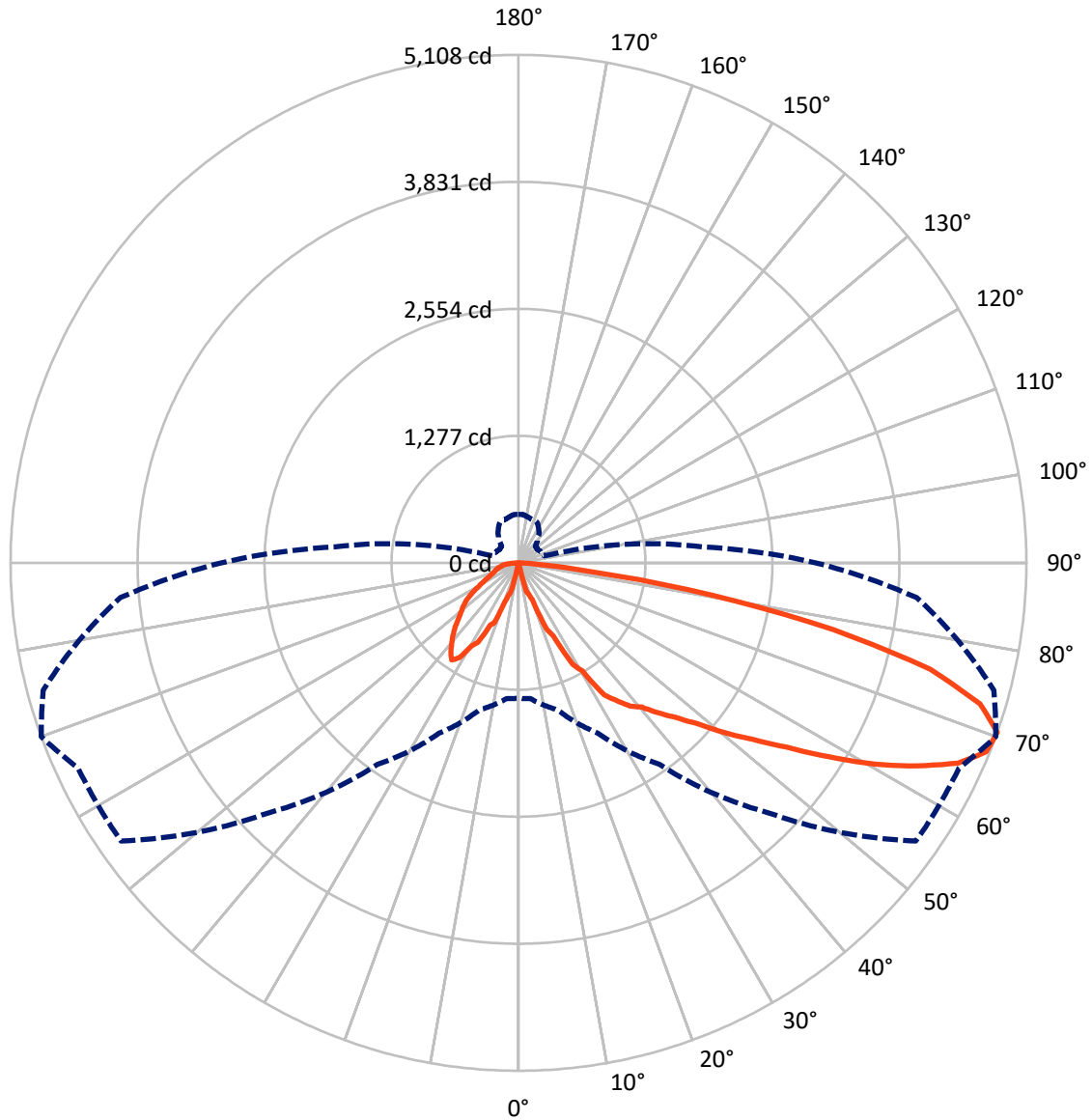
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - N/A

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CATALOG NUMBER: LXF.LXT-PA16-750-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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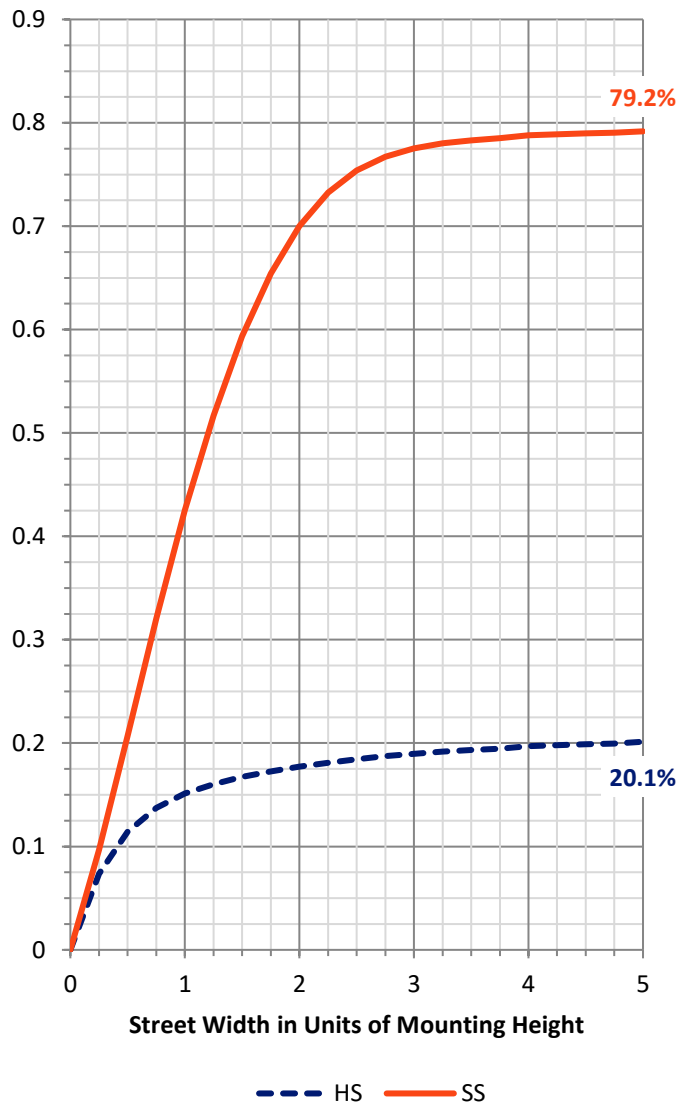
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1549.1	0.0	1549.1
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	5967.9	0.0	5967.9
	% Fixture	79.4	0.0	79.4
Total	Lumens	7517.0	0.0	7517.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	63.6	0.8
20°-30°	359.6	4.8
30°-40°	799.8	10.6
40°-50°	1143.8	15.2
50°-60°	1662.1	22.1
60°-70°	2086.1	27.8
70°-80°	1238.9	16.5
80°-90°	162.8	2.2
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°	7517.0	100.0
0°-180°	7517.0	100.0

Coefficient of Utilization



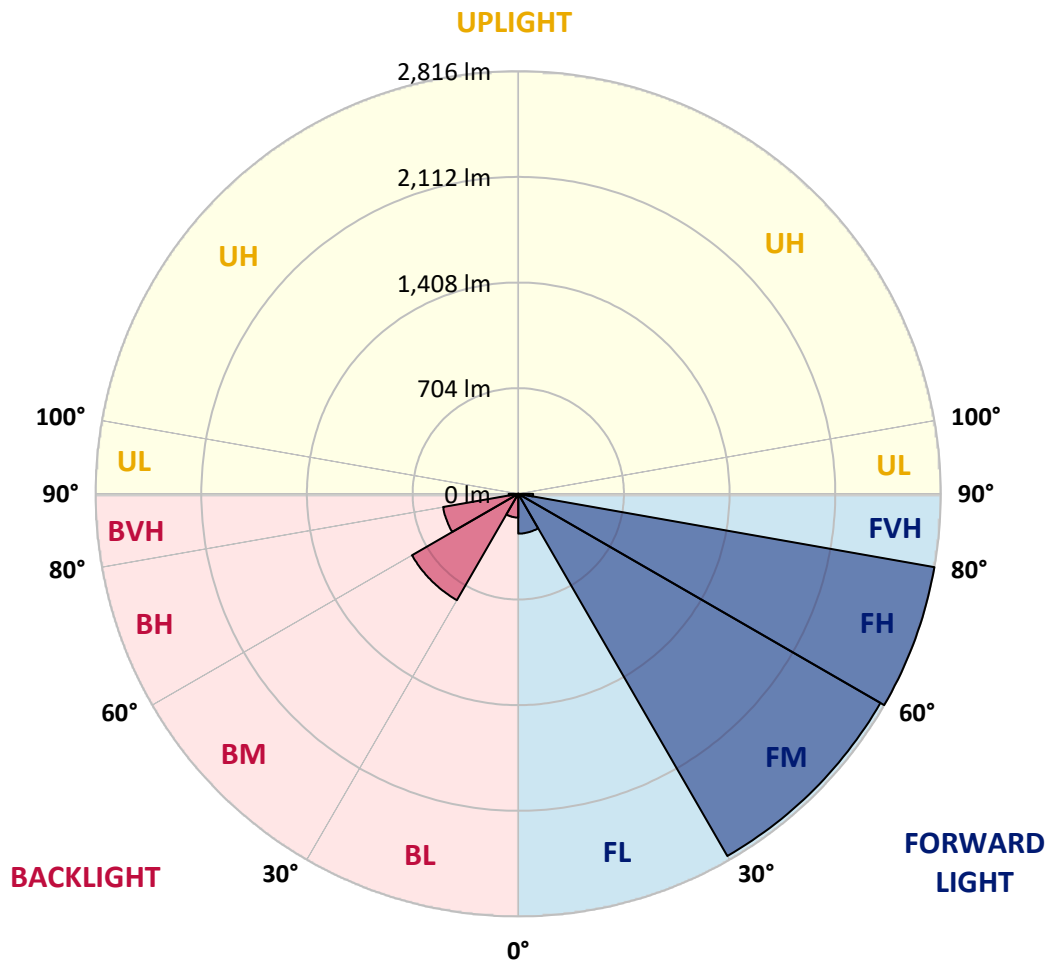
REPORT NUMBER: P695985
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.2	3.5			
FM (30°-60°)	2787.4	37.1			
FH (60°-80°)	2816.4	37.5			G2/5000
FVH (80°-90°)	98.9	1.3			G1/100
BL (0°-30°)	158.3	2.1	B1/500		
BM (30°-60°)	818.3	10.9	B1/1000		
BH (60°-80°)	508.5	6.8	B2/1000		G2/1000
BVH (80°-90°)	64.0	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	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	2.6	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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
10°	33.6	36.2	23.3	12.9	5.2	2.6	2.6	2.6	2.6	2.6	2.6
12.5°	299.8	299.8	297.3	191.3	59.5	12.9	5.2	15.5	28.4	31.0	46.5
15°	333.4	333.4	333.4	328.3	312.8	108.6	49.1	274.0	299.8	307.6	307.6
17.5°	439.4	447.2	405.8	364.5	346.4	302.4	292.1	328.3	333.4	338.6	341.2
20°	747.0	747.0	747.0	666.9	411.0	529.9	485.9	374.8	392.9	470.4	648.8
22.5°	832.3	829.7	811.6	785.8	842.6	589.3	553.1	654.0	721.2	744.4	734.1
25°	1274.3	1271.7	1204.5	889.2	927.9	796.1	832.3	829.7	814.2	822.0	811.6
27.5°	1382.9	1377.7	1372.5	1251.0	1026.2	1075.3	966.7	1080.4	1152.8	1207.1	1173.5
30°	1943.8	1832.6	1610.3	1419.1	1310.5	1152.8	1243.3	1310.5	1261.4	1284.6	1230.4
32.5°	2054.9	2065.2	2054.9	1788.7	1457.8	1313.1	1395.8	1390.6	1584.5	1651.7	1633.6
35°	2166.1	2158.3	2142.8	1905.0	1695.6	1514.7	1470.7	1703.4	1703.4	1742.2	1687.9
37.5°	2253.9	2251.4	2230.7	1969.6	1814.5	1587.1	1664.6	1827.4	1830.0	1868.8	1749.9
40°	2328.9	2331.5	2323.7	2039.4	1910.2	1664.6	1755.1	1948.9	1907.6	1964.4	1853.3
42.5°	2393.5	2401.3	2414.2	2142.8	1992.9	1742.2	1840.4	2036.8	2062.7	2129.9	2003.2
45°	2512.4	2527.9	2546.0	2305.6	2104.0	1845.5	1956.7	2212.6	2217.8	2318.6	2210.0
47.5°	2662.3	2672.7	2711.4	2481.4	2269.4	1995.5	2075.6	2341.8	2416.8	2543.4	2458.1
50°	2791.6	2812.3	2864.0	2695.9	2496.9	2215.2	2243.6	2533.1	2683.0	2796.7	2719.2
52.5°	2889.8	2907.9	2985.4	2876.9	2737.3	2450.4	2455.6	2799.3	2951.8	3109.5	3063.0
55°	2969.9	2990.6	3063.0	3047.5	2957.0	2644.2	2747.6	3055.2	3269.8	3455.9	3404.2
57.5°	2982.9	2980.3	3117.3	3163.8	3109.5	2900.1	3117.3	3334.4	3678.2	3825.5	3828.1
60°	2923.4	2936.3	3099.2	3241.3	3246.5	3163.8	3520.5	3706.6	4109.8	4208.0	4239.1
62.5°	2796.7	2825.2	3006.1	3241.3	3357.6	3427.4	3913.4	4125.3	4497.5	4549.2	4515.6
65°	2556.4	2566.7	2745.0	3091.4	3368.0	3667.8	4319.2	4489.8	4856.8	4805.1	4577.7
67.5°	2065.2	2096.3	2261.7	2662.3	3122.4	3773.8	4688.8	4763.8	5071.4	4962.8	4425.2
70°	1362.2	1369.9	1532.8	1889.5	2473.6	3554.1	4877.5	4885.3	5107.5	4947.3	4019.4
72.5°	591.9	545.4	700.5	987.4	1517.3	2770.9	4647.5	4758.6	4851.7	4655.2	3329.2
75°	255.9	261.1	302.4	408.4	703.1	1566.4	3866.8	4148.6	4275.2	3965.1	2427.1
77.5°	191.3	191.3	219.7	248.1	328.3	591.9	2520.2	3088.8	3238.7	2871.7	1509.5
80°	139.6	144.7	165.4	180.9	212.0	240.4	1256.2	1871.4	1967.0	1496.6	664.3
82.5°	106.0	106.0	118.9	129.2	144.7	144.7	426.5	803.9	728.9	509.2	230.0
85°	46.5	38.8	62.0	59.5	64.6	51.7	113.7	147.3	147.3	116.3	51.7
87.5°	0.0	2.6	2.6	2.6	5.2	5.2	10.3	7.8	10.3	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: P695985
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T3

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	2.6	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	2.6	2.6	2.6	2.6
10°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	2.6	2.6	2.6	2.6
12.5°	41.4	49.1	31.0	15.5	2.6	0.0	0.0	2.6	2.6	5.2	5.2
15°	312.8	310.2	310.2	284.3	49.1	7.8	5.2	25.8	87.9	186.1	183.5
17.5°	341.2	341.2	341.2	328.3	297.3	82.7	82.7	274.0	297.3	299.8	302.4
20°	646.2	638.4	493.7	354.1	312.8	297.3	271.4	299.8	305.0	307.6	312.8
22.5°	726.3	718.6	685.0	615.2	351.5	431.7	390.3	320.5	478.2	501.4	506.6
25°	806.5	785.8	734.1	643.6	589.3	436.8	457.5	457.5	478.2	475.6	478.2
27.5°	1150.2	1127.0	1057.2	731.5	638.4	511.8	506.6	447.2	480.8	548.0	553.1
30°	1204.5	1176.1	1080.4	842.6	672.0	558.3	473.0	532.5	558.3	550.6	553.1
32.5°	1589.6	1556.0	1403.5	847.8	677.2	514.4	524.7	532.5	542.8	591.9	597.1
35°	1638.8	1607.7	1401.0	971.9	625.5	511.8	506.6	542.8	602.3	610.0	612.6
37.5°	1708.5	1677.5	1372.5	886.6	622.9	506.6	493.7	535.1	555.7	548.0	542.8
40°	1809.4	1762.8	1318.2	793.5	566.1	480.8	480.8	491.1	506.6	478.2	470.4
42.5°	1959.3	1863.6	1258.8	710.8	519.5	447.2	447.2	449.8	439.4	413.6	413.6
45°	2122.1	1948.9	1181.3	635.9	473.0	411.0	413.6	395.5	405.8	385.1	385.1
47.5°	2313.4	2052.3	1085.6	563.5	431.7	377.4	372.2	374.8	387.7	372.2	372.2
50°	2533.1	2176.4	1013.2	498.9	395.5	343.8	356.7	364.5	380.0	367.0	364.5
52.5°	2794.2	2308.2	956.4	447.2	364.5	315.3	346.4	356.7	374.8	367.0	364.5
55°	3099.2	2473.6	865.9	405.8	336.0	299.8	338.6	356.7	377.4	372.2	369.6
57.5°	3383.5	2615.8	739.3	364.5	315.3	289.5	336.0	356.7	382.5	377.4	374.8
60°	3639.4	2750.2	584.2	333.4	297.3	276.6	328.3	356.7	385.1	387.7	385.1
62.5°	3768.6	2758.0	473.0	310.2	279.2	263.6	320.5	354.1	382.5	398.1	398.1
65°	3706.6	2602.9	377.4	286.9	263.6	248.1	312.8	361.9	405.8	431.7	431.7
67.5°	3453.3	2290.1	312.8	268.8	245.6	235.2	323.1	408.4	449.8	475.6	475.6
70°	2990.6	1850.7	268.8	253.3	232.6	240.4	359.3	447.2	460.1	488.5	485.9
72.5°	2372.8	1382.9	240.4	237.8	224.9	253.3	382.5	431.7	431.7	442.0	431.7
75°	1669.8	878.8	217.1	222.3	206.8	232.6	361.9	403.2	385.1	380.0	377.4
77.5°	951.2	475.6	191.3	201.6	186.1	201.6	315.3	359.3	341.2	328.3	323.1
80°	408.4	243.0	165.4	180.9	162.8	170.6	263.6	310.2	297.3	281.7	276.6
82.5°	162.8	126.7	139.6	160.3	137.0	144.7	224.9	263.6	253.3	237.8	222.3
85°	46.5	49.1	85.3	113.7	103.4	113.7	180.9	209.4	193.9	152.5	147.3
87.5°	5.2	7.8	18.1	23.3	25.8	20.7	41.4	56.9	51.7	38.8	31.0
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)