

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: P695895

Luminaire Tested: **LXF.LXT-PA16-730-U-T3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695895  
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-PA16-730-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6864 lumens  
Efficiency: N/A  
Efficacy: 95.3 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

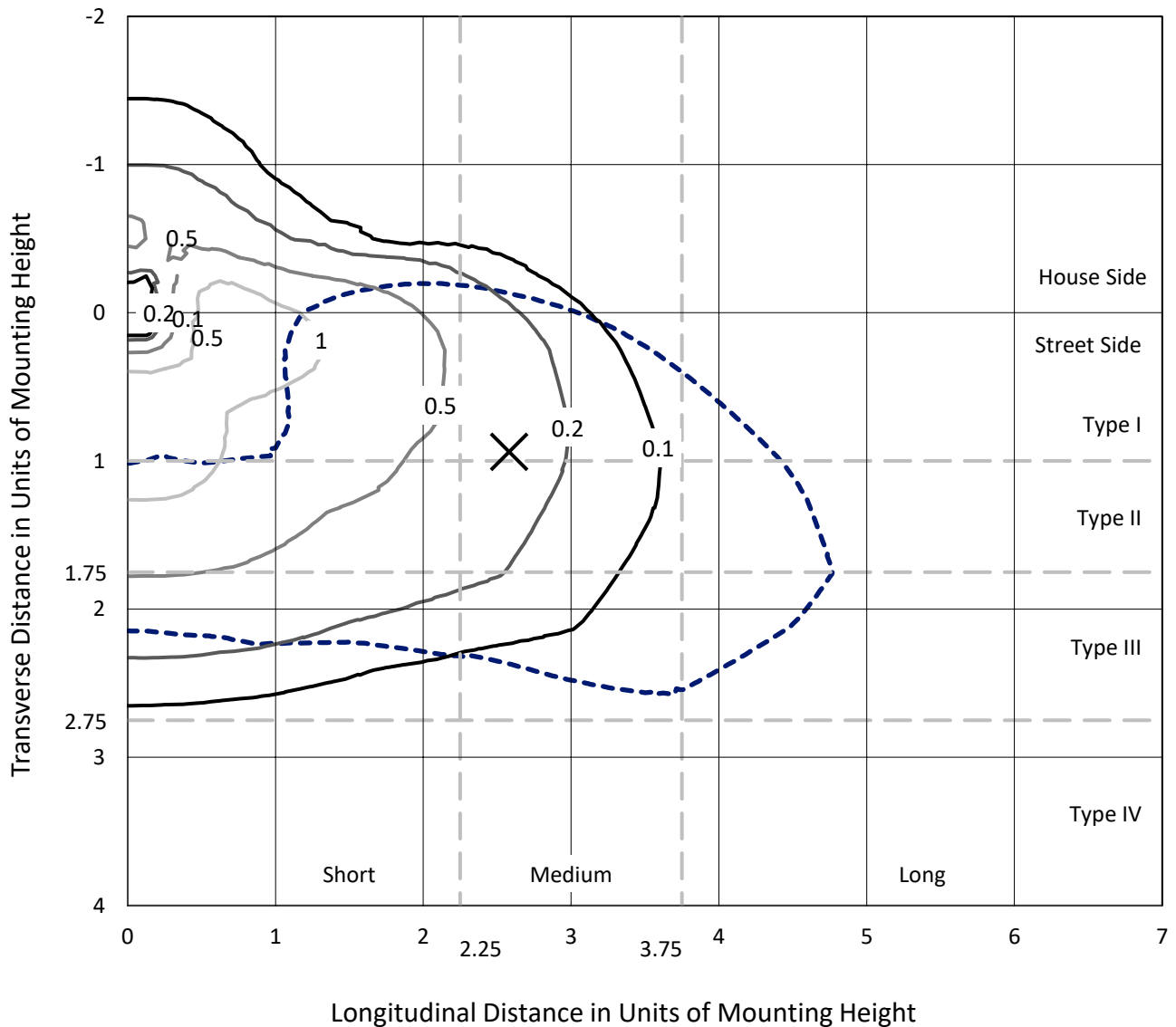
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

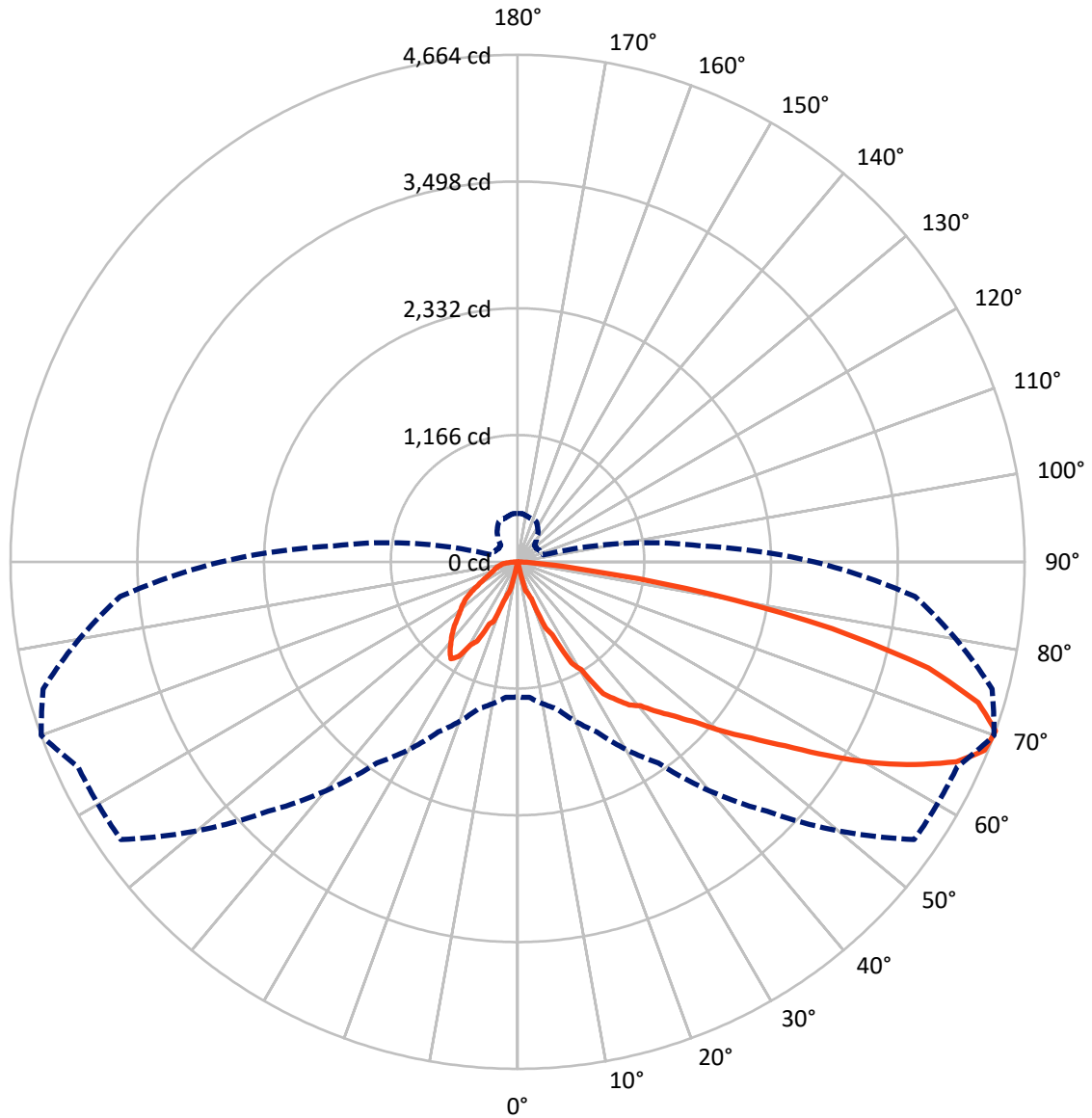
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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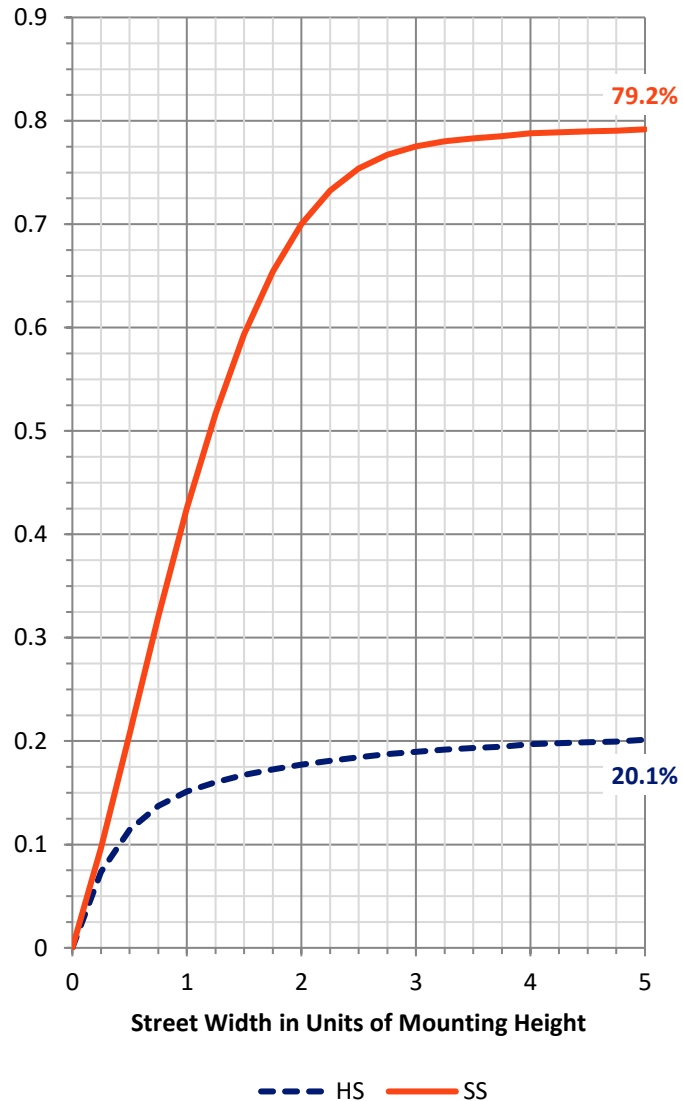
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1414.5	0.0	1414.5
	% Fixture	20.6	0.0	20.6
<b>Street Side</b>	Lumens	5449.5	0.0	5449.5
	% Fixture	79.4	0.0	79.4
<b>Total</b>	Lumens	6864.0	0.0	6864.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	58.1	0.8
20°-30°	328.3	4.8
30°-40°	730.3	10.6
40°-50°	1044.4	15.2
50°-60°	1517.7	22.1
60°-70°	1904.9	27.8
70°-80°	1131.3	16.5
80°-90°	148.7	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°	6864.0	100.0
0°-180°	6864.0	100.0

**Coefficient of Utilization**

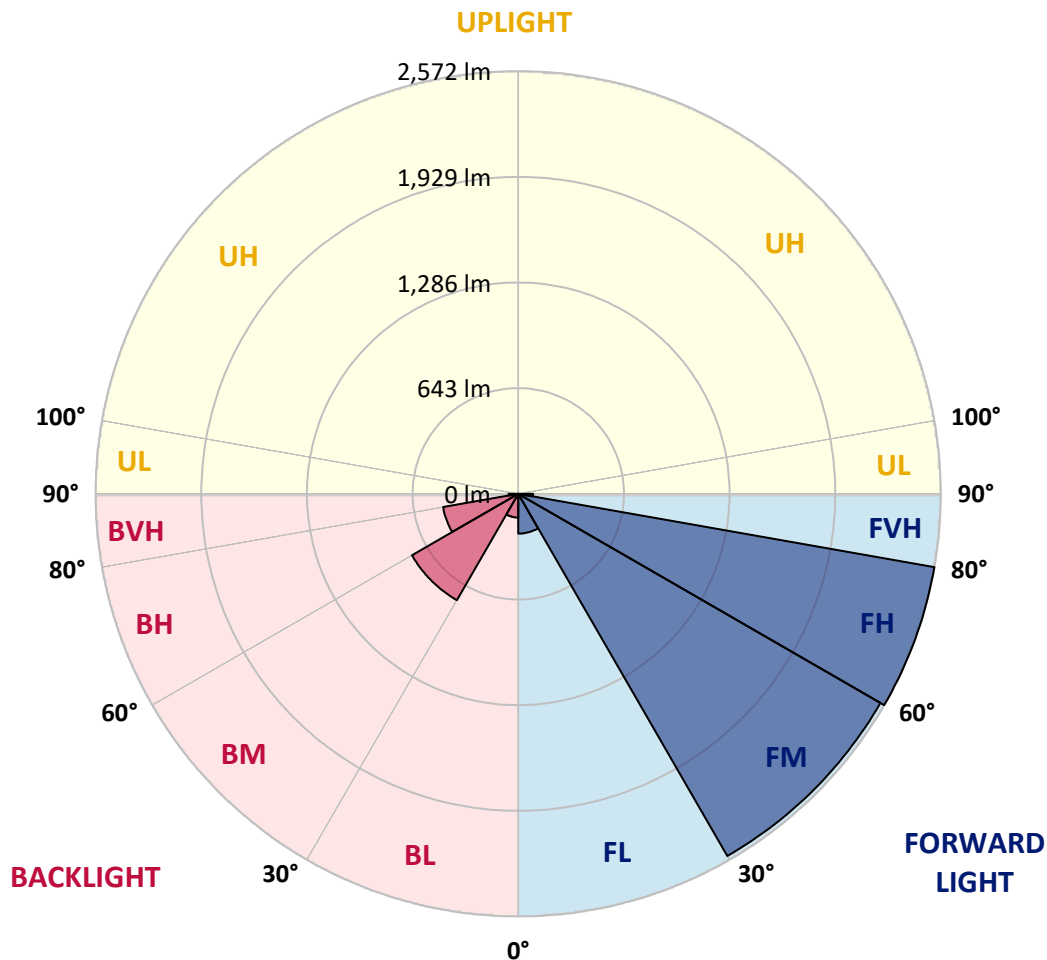


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	242.2	3.5			
FM (30°-60°)	2545.2	37.1			
FH (60°-80°)	2571.8	37.5			G2/5000
FVH (80°-90°)	90.3	1.3			G1/100
BL (0°-30°)	144.5	2.1	B1/500		
BM (30°-60°)	747.2	10.9	B1/1000		
BH (60°-80°)	464.3	6.8	B1/500		G1/500
BVH (80°-90°)	58.4	0.9			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°	65°	70°	75°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
5°	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
7.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
10°	30.7	33.0	21.2	11.8	4.7	2.4	2.4	2.4	2.4	2.4	2.4
12.5°	273.8	273.8	271.4	174.7	54.3	11.8	4.7	14.2	26.0	28.3	42.5
15°	304.5	304.5	304.5	299.8	285.6	99.1	44.8	250.2	273.8	280.9	280.9
17.5°	401.2	408.3	370.6	332.8	316.3	276.1	266.7	299.8	304.5	309.2	311.6
20°	682.1	682.1	682.1	608.9	375.3	483.9	443.7	342.2	358.8	429.6	592.4
22.5°	760.0	757.6	741.1	717.5	769.4	538.1	505.1	597.1	658.5	679.8	670.3
25°	1163.6	1161.2	1099.9	811.9	847.3	727.0	760.0	757.6	743.5	750.6	741.1
27.5°	1262.7	1258.0	1253.3	1142.4	937.0	981.9	882.7	986.6	1052.7	1102.2	1071.6
30°	1774.9	1673.4	1470.4	1295.8	1196.6	1052.7	1135.3	1196.6	1151.8	1173.0	1123.5
32.5°	1876.4	1885.8	1876.4	1633.3	1331.2	1199.0	1274.5	1269.8	1446.8	1508.2	1491.7
35°	1977.9	1970.8	1956.6	1739.5	1548.3	1383.1	1343.0	1555.4	1555.4	1590.8	1541.2
37.5°	2058.1	2055.8	2036.9	1798.5	1656.9	1449.2	1520.0	1668.7	1671.1	1706.5	1597.9
40°	2126.6	2128.9	2121.9	1862.2	1744.2	1520.0	1602.6	1779.6	1741.9	1793.8	1692.3
42.5°	2185.6	2192.7	2204.5	1956.6	1819.8	1590.8	1680.5	1859.9	1883.5	1944.8	1829.2
45°	2294.2	2308.3	2324.8	2105.3	1921.2	1685.2	1786.7	2020.4	2025.1	2117.1	2018.0
47.5°	2431.1	2440.5	2475.9	2265.8	2072.3	1822.1	1895.3	2138.4	2206.8	2322.5	2244.6
50°	2549.1	2568.0	2615.2	2461.7	2280.0	2022.7	2048.7	2313.0	2449.9	2553.8	2483.0
52.5°	2638.8	2655.3	2726.1	2627.0	2499.5	2237.5	2242.2	2556.2	2695.4	2839.4	2796.9
55°	2711.9	2730.8	2796.9	2782.7	2700.1	2414.5	2508.9	2789.8	2985.7	3155.7	3108.5
57.5°	2723.7	2721.4	2846.5	2888.9	2839.4	2648.2	2846.5	3044.7	3358.6	3493.2	3495.5
60°	2669.4	2681.2	2829.9	2959.8	2964.5	2888.9	3214.7	3384.6	3752.8	3842.5	3870.8
62.5°	2553.8	2579.8	2745.0	2959.8	3066.0	3129.7	3573.4	3767.0	4106.8	4154.0	4123.4
65°	2334.3	2343.7	2506.6	2822.9	3075.4	3349.2	3944.0	4099.8	4434.9	4387.7	4180.0
67.5°	1885.8	1914.2	2065.2	2431.1	2851.2	3446.0	4281.5	4349.9	4630.8	4531.7	4040.8
70°	1243.9	1250.9	1399.6	1725.3	2258.8	3245.3	4453.8	4460.9	4663.9	4517.5	3670.2
72.5°	540.5	498.0	639.6	901.6	1385.5	2530.2	4243.7	4345.2	4430.2	4250.8	3040.0
75°	233.7	238.4	276.1	372.9	642.0	1430.3	3530.9	3788.2	3903.9	3620.6	2216.3
77.5°	174.7	174.7	200.6	226.6	299.8	540.5	2301.2	2820.5	2957.4	2622.2	1378.4
80°	127.5	132.2	151.1	165.2	193.5	219.5	1147.1	1708.8	1796.2	1366.6	606.6
82.5°	96.8	96.8	108.6	118.0	132.2	132.2	389.4	734.0	665.6	465.0	210.1
85°	42.5	35.4	56.6	54.3	59.0	47.2	103.9	134.5	134.5	106.2	47.2
87.5°	0.0	2.4	2.4	2.4	4.7	4.7	9.4	7.1	9.4	9.4	7.1
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	2.4	2.4	2.4	2.4	2.4	2.4	0.0	2.4	2.4	2.4	2.4
5°	2.4	2.4	2.4	2.4	2.4	2.4	0.0	2.4	2.4	2.4	2.4
7.5°	2.4	2.4	2.4	2.4	2.4	0.0	0.0	2.4	2.4	2.4	2.4
10°	2.4	2.4	2.4	2.4	2.4	0.0	0.0	2.4	2.4	2.4	2.4
12.5°	37.8	44.8	28.3	14.2	2.4	0.0	0.0	2.4	2.4	4.7	4.7
15°	285.6	283.2	283.2	259.6	44.8	7.1	4.7	23.6	80.2	169.9	167.6
17.5°	311.6	311.6	311.6	299.8	271.4	75.5	75.5	250.2	271.4	273.8	276.1
20°	590.1	583.0	450.8	323.4	285.6	271.4	247.8	273.8	278.5	280.9	285.6
22.5°	663.2	656.2	625.5	561.7	321.0	394.2	356.4	292.7	436.6	457.9	462.6
25°	736.4	717.5	670.3	587.7	538.1	398.9	417.8	417.8	436.6	434.3	436.6
27.5°	1050.3	1029.1	965.3	668.0	583.0	467.3	462.6	408.3	439.0	500.4	505.1
30°	1099.9	1073.9	986.6	769.4	613.7	509.8	431.9	486.2	509.8	502.7	505.1
32.5°	1451.6	1420.9	1281.6	774.2	618.4	469.7	479.1	486.2	495.7	540.5	545.2
35°	1496.4	1468.1	1279.3	887.5	571.2	467.3	462.6	495.7	549.9	557.0	559.4
37.5°	1560.1	1531.8	1253.3	809.6	568.8	462.6	450.8	488.6	507.5	500.4	495.7
40°	1652.2	1609.7	1203.7	724.6	516.9	439.0	439.0	448.4	462.6	436.6	429.6
42.5°	1789.1	1701.7	1149.4	649.1	474.4	408.3	408.3	410.7	401.2	377.6	377.6
45°	1937.8	1779.6	1078.6	580.6	431.9	375.3	377.6	361.1	370.6	351.7	351.7
47.5°	2112.4	1874.0	991.3	514.5	394.2	344.6	339.9	342.2	354.0	339.9	339.9
50°	2313.0	1987.3	925.2	455.5	361.1	313.9	325.7	332.8	347.0	335.2	332.8
52.5°	2551.4	2107.7	873.3	408.3	332.8	288.0	316.3	325.7	342.2	335.2	332.8
55°	2829.9	2258.8	790.7	370.6	306.8	273.8	309.2	325.7	344.6	339.9	337.5
57.5°	3089.6	2388.6	675.0	332.8	288.0	264.3	306.8	325.7	349.3	344.6	342.2
60°	3323.2	2511.3	533.4	304.5	271.4	252.5	299.8	325.7	351.7	354.0	351.7
62.5°	3441.2	2518.4	431.9	283.2	254.9	240.7	292.7	323.4	349.3	363.5	363.5
65°	3384.6	2376.8	344.6	262.0	240.7	226.6	285.6	330.4	370.6	394.2	394.2
67.5°	3153.3	2091.2	285.6	245.5	224.2	214.8	295.0	372.9	410.7	434.3	434.3
70°	2730.8	1689.9	245.5	231.3	212.4	219.5	328.1	408.3	420.1	446.1	443.7
72.5°	2166.7	1262.7	219.5	217.1	205.3	231.3	349.3	394.2	394.2	403.6	394.2
75°	1524.7	802.5	198.3	203.0	188.8	212.4	330.4	368.2	351.7	347.0	344.6
77.5°	868.6	434.3	174.7	184.1	169.9	184.1	288.0	328.1	311.6	299.8	295.0
80°	372.9	221.9	151.1	165.2	148.7	155.8	240.7	283.2	271.4	257.3	252.5
82.5°	148.7	115.7	127.5	146.3	125.1	132.2	205.3	240.7	231.3	217.1	203.0
85°	42.5	44.8	77.9	103.9	94.4	103.9	165.2	191.2	177.0	139.3	134.5
87.5°	4.7	7.1	16.5	21.2	23.6	18.9	37.8	51.9	47.2	35.4	28.3
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)