

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: P695880

Luminaire Tested: **LXF.LXT-PA16-730-U-SL3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695880  
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-PA16-730-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 6548 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

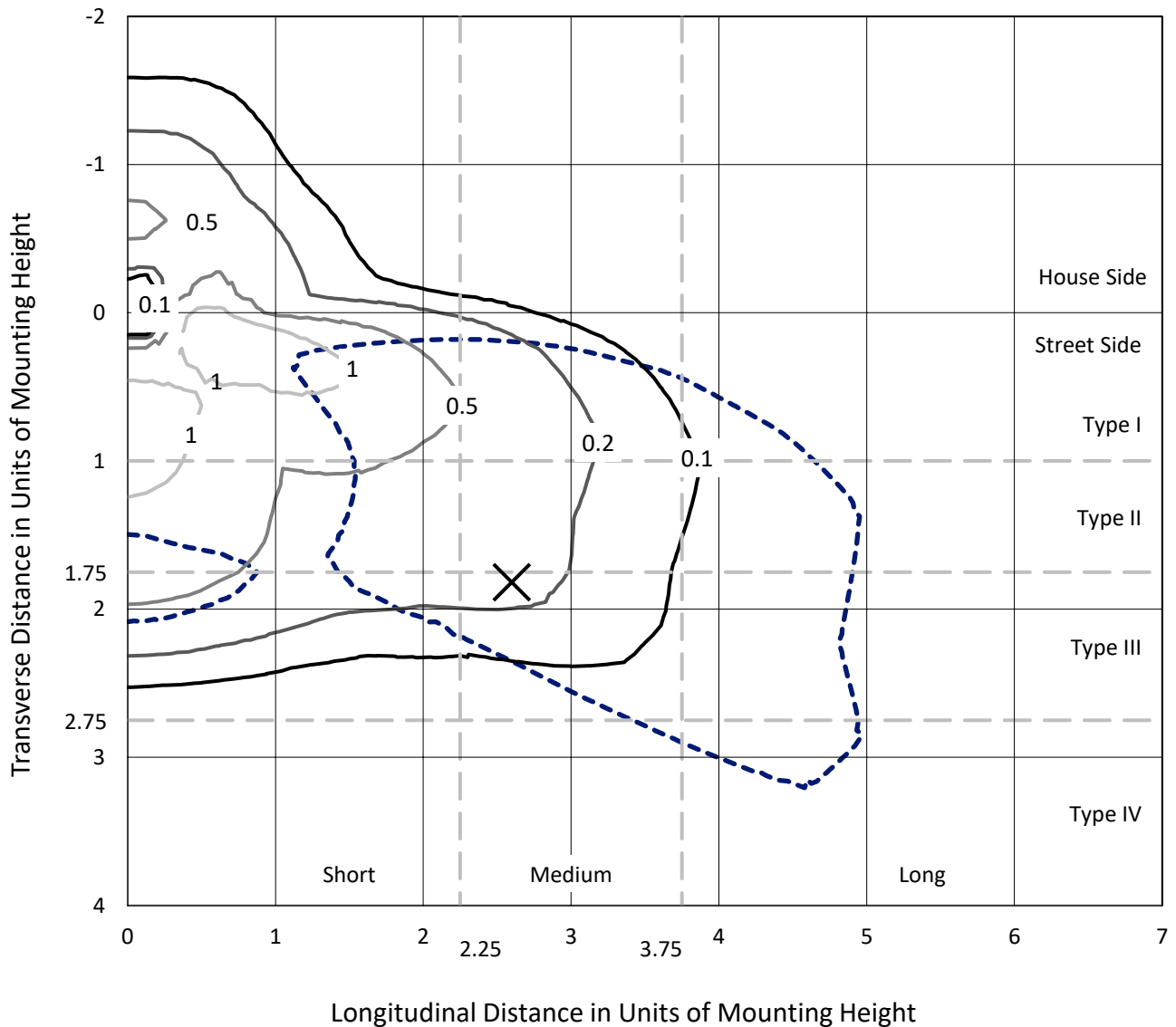
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

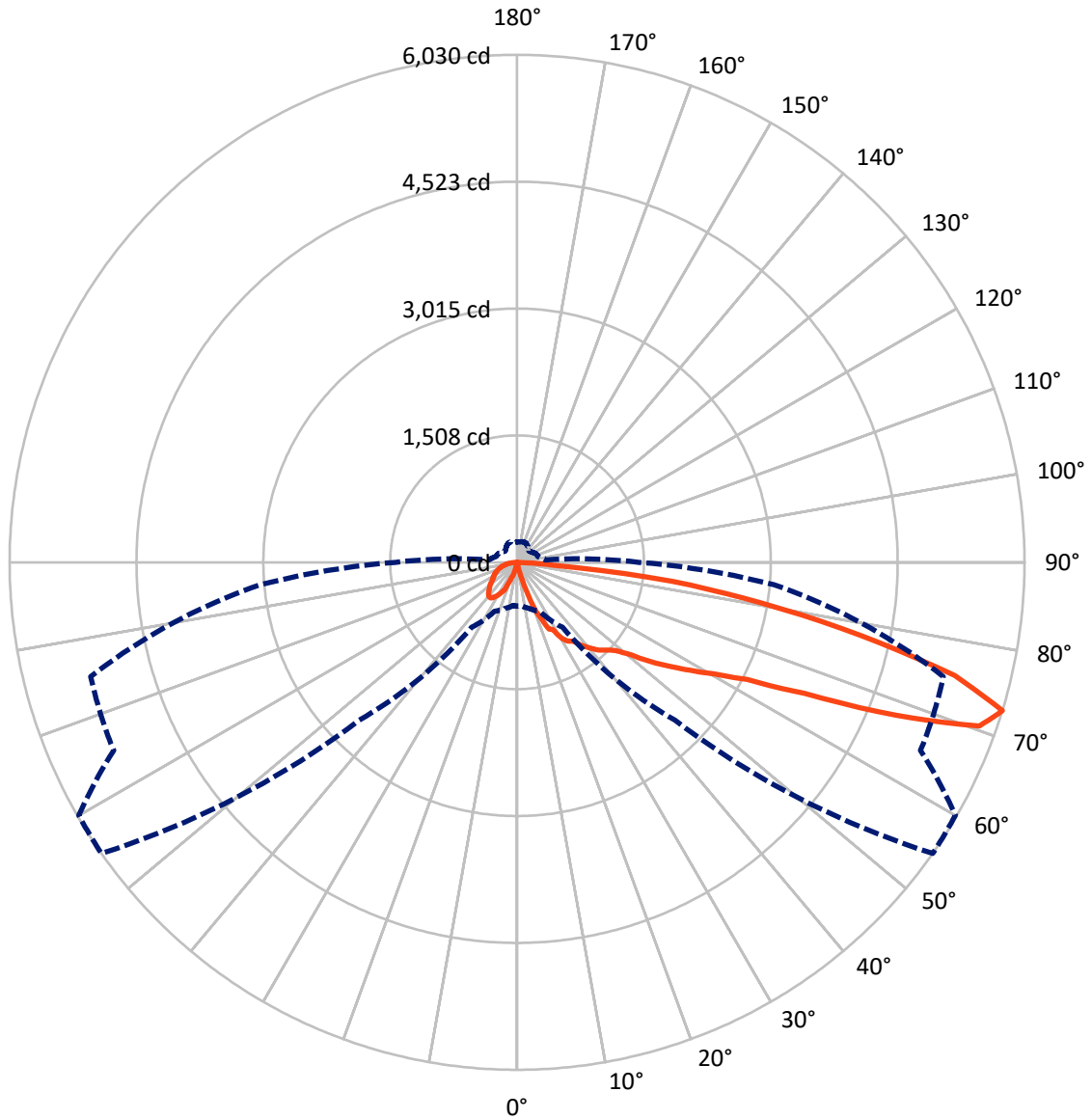
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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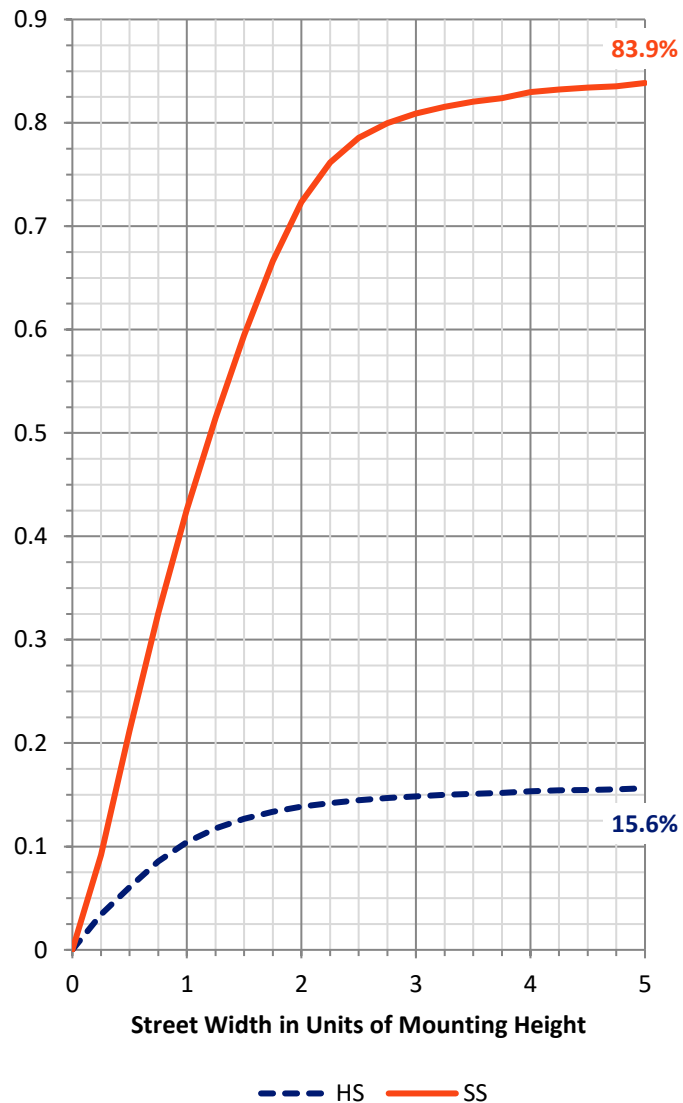
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1040.2	0.0	1040.2
	% Fixture	15.9	0.0	15.9
<b>Street Side</b>	Lumens	5507.8	0.0	5507.8
	% Fixture	84.1	0.0	84.1
<b>Total</b>	Lumens	6548.0	0.0	6548.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	63.3	1.0
20°-30°	296.4	4.5
30°-40°	631.1	9.6
40°-50°	919.1	14.0
50°-60°	1339.1	20.5
60°-70°	1777.2	27.1
70°-80°	1308.5	20.0
80°-90°	212.9	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°	6548.0	100.0
0°-180°	6548.0	100.0

**Coefficient of Utilization**



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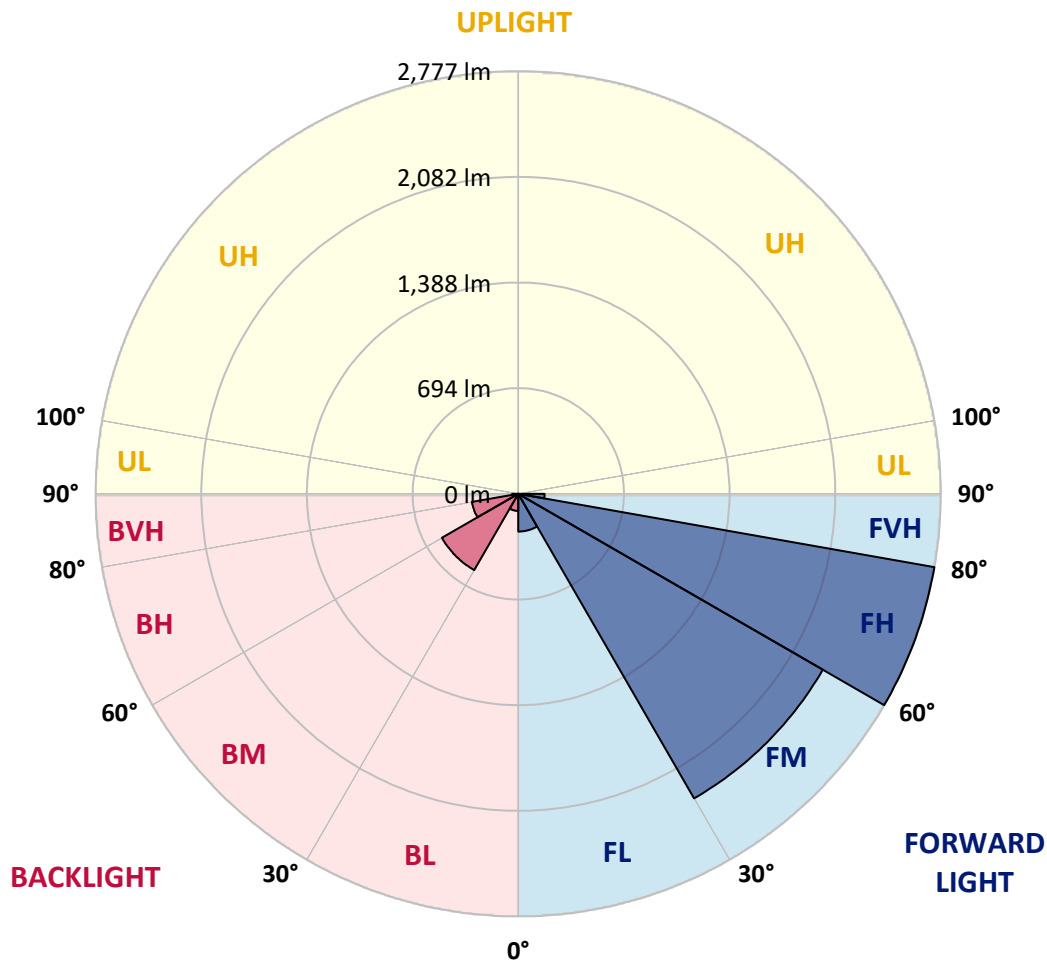
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.8	3.8			
FM (30°-60°)	2310.5	35.3			
FH (60°-80°)	2776.6	42.4			G2/5000
FVH (80°-90°)	172.8	2.6			G2/225
BL (0°-30°)	112.1	1.7	B1/500		
BM (30°-60°)	578.9	8.8	B1/1000		
BH (60°-80°)	309.1	4.7	B1/500		G1/500
BVH (80°-90°)	40.1	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°	2.4	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	0.0	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°	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
10°	47.2	49.6	40.1	18.9	7.1	2.4	2.4	2.4	4.7	4.7	7.1
12.5°	375.3	380.0	372.9	151.1	70.8	14.2	9.4	16.5	26.0	40.1	158.1
15°	372.9	372.9	380.0	391.8	391.8	82.6	165.2	214.8	299.7	389.4	384.7
17.5°	394.1	391.8	382.3	377.6	403.6	460.2	349.3	420.1	427.2	441.4	431.9
20°	573.5	573.5	573.5	545.2	408.3	566.4	590.0	476.8	481.5	672.6	653.8
22.5°	627.8	625.4	606.6	592.4	616.0	561.7	712.8	819.0	807.2	915.7	859.1
25°	894.5	868.5	823.7	653.8	682.1	658.5	880.3	1010.2	913.4	996.0	1078.6
27.5°	1043.2	1024.3	984.2	889.8	726.9	797.7	901.6	1062.1	1241.5	1423.2	1279.2
30°	1397.2	1378.3	1180.1	1033.8	901.6	821.3	1050.3	1260.3	1460.9	1491.6	1333.5
32.5°	1449.1	1451.5	1460.9	1321.7	1059.7	908.7	1118.7	1302.8	1562.4	1874.0	1656.8
35°	1482.2	1479.8	1479.8	1371.3	1262.7	1073.9	1151.8	1465.7	1796.1	1987.3	1640.3
37.5°	1581.3	1574.2	1562.4	1397.2	1335.9	1191.9	1255.6	1508.2	1925.9	2164.3	1623.8
40°	1701.7	1708.8	1678.1	1468.0	1385.4	1281.6	1338.2	1527.0	2079.3	2308.3	1616.7
42.5°	1871.6	1862.2	1810.3	1586.0	1458.6	1321.7	1427.9	1576.6	2192.6	2501.8	1630.9
45°	2062.8	2039.2	1966.0	1748.9	1567.2	1345.3	1486.9	1666.3	2294.1	2721.3	1680.4
47.5°	2261.0	2230.4	2126.5	1881.1	1680.4	1390.1	1562.4	1781.9	2409.7	2999.8	1772.5
50°	2449.9	2428.6	2296.4	2020.3	1798.5	1472.7	1706.4	1956.6	2567.9	3278.3	1928.3
52.5°	2638.7	2603.3	2440.4	2161.9	1911.7	1576.6	1942.4	2213.8	2780.3	3559.1	2098.2
55°	2841.7	2794.4	2584.4	2301.2	2006.1	1715.8	2171.4	2480.5	3032.8	3896.6	2308.3
57.5°	3179.2	3146.1	2846.4	2508.9	2140.7	1885.8	2419.2	2747.2	3304.2	4205.8	2518.3
60°	3561.5	3502.5	3207.5	2870.0	2421.5	2150.1	2693.0	3044.6	3563.9	4503.2	2752.0
62.5°	3547.3	3488.3	3280.6	3087.1	2782.6	2591.5	3068.2	3351.4	3785.7	4784.1	2959.7
65°	2818.0	2827.5	2820.4	2853.5	2884.1	3212.2	3750.3	3802.2	4135.0	5046.1	3157.9
67.5°	1534.1	1520.0	1694.6	2036.8	2511.2	3606.3	4854.9	4529.2	4566.9	5291.5	3294.8
70°	731.7	731.7	833.1	1132.9	1800.8	3363.2	5827.3	5449.6	5031.9	5397.7	3278.3
72.5°	521.6	514.5	568.8	644.3	941.7	2652.8	6030.2	6013.7	5289.2	5244.3	3061.1
75°	422.5	427.2	448.4	488.6	446.1	1560.1	5369.4	5671.5	5048.4	4760.5	2707.1
77.5°	342.2	342.2	368.2	387.1	285.6	757.6	4168.1	4559.9	4002.9	3882.5	1989.6
80°	254.9	254.9	269.1	309.2	210.1	321.0	2950.2	3070.6	2641.0	2395.6	977.1
82.5°	155.8	146.3	165.2	217.1	151.1	184.1	1852.7	1671.0	1326.4	743.5	290.3
85°	28.3	33.0	47.2	75.5	56.6	68.4	429.6	313.9	264.3	127.4	66.1
87.5°	0.0	0.0	0.0	2.4	4.7	7.1	9.4	11.8	11.8	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	0.0	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	0.0	2.4	2.4	2.4
10°	7.1	7.1	4.7	2.4	2.4	0.0	0.0	0.0	2.4	2.4	2.4
12.5°	165.2	169.9	42.5	23.6	7.1	2.4	0.0	2.4	4.7	9.4	11.8
15°	372.9	351.7	271.4	139.3	80.2	9.4	4.7	40.1	108.6	118.0	125.1
17.5°	410.7	382.3	283.2	198.3	155.8	75.5	94.4	151.1	169.9	179.4	179.4
20°	608.9	535.8	346.9	231.3	184.1	200.6	165.2	179.4	198.3	214.8	224.2
22.5°	781.2	653.8	401.2	330.4	250.2	257.3	226.6	259.6	318.6	342.2	344.6
25°	941.7	729.3	422.5	368.2	358.7	292.7	321.0	323.3	351.7	365.8	368.2
27.5°	1064.4	767.1	505.1	424.8	396.5	358.7	365.8	361.1	448.4	476.8	481.5
30°	1078.6	736.4	528.7	481.5	436.6	415.4	394.1	467.3	502.7	514.5	514.5
32.5°	1196.6	760.0	580.6	519.2	479.1	434.3	472.0	495.6	535.8	608.9	611.3
35°	1071.5	677.4	601.8	564.1	509.8	472.0	493.3	557.0	634.9	651.4	649.0
37.5°	944.1	616.0	573.5	561.7	528.7	495.6	519.2	580.6	623.1	608.9	608.9
40°	840.2	573.5	552.3	542.8	526.3	483.8	531.0	554.6	601.8	587.7	585.3
42.5°	767.1	542.8	531.0	519.2	507.4	467.3	498.0	549.9	592.4	575.9	571.2
45°	743.5	524.0	516.9	500.4	479.1	443.7	476.8	542.8	583.0	566.4	561.7
47.5°	771.8	507.4	498.0	476.8	448.4	413.0	465.0	531.0	561.7	533.4	531.0
50°	854.4	500.4	479.1	450.8	422.5	403.6	448.4	502.7	528.7	502.7	502.7
52.5°	970.0	502.7	460.2	427.2	394.1	382.3	429.6	483.8	505.1	479.1	476.8
55°	1095.1	509.8	436.6	403.6	358.7	365.8	420.1	474.4	481.5	453.2	450.8
57.5°	1236.7	516.9	413.0	387.1	339.9	346.9	401.2	455.5	453.2	415.4	415.4
60°	1380.7	524.0	389.4	365.8	321.0	323.3	377.6	431.9	417.8	380.0	377.6
62.5°	1501.1	516.9	361.1	342.2	302.1	295.0	349.3	403.6	391.8	351.7	351.7
65°	1604.9	488.6	337.5	318.6	283.2	271.4	321.0	368.2	358.7	321.0	323.3
67.5°	1647.4	443.7	313.9	295.0	262.0	245.5	287.9	325.7	323.3	292.7	295.0
70°	1583.7	382.3	287.9	271.4	238.4	217.1	254.9	287.9	287.9	266.7	266.7
72.5°	1446.8	337.5	259.6	245.5	210.1	193.5	224.2	250.2	254.9	240.7	243.1
75°	1293.4	295.0	226.6	219.5	186.5	165.2	191.2	217.1	221.9	214.8	214.8
77.5°	974.8	228.9	191.2	191.2	162.9	141.6	162.9	186.5	191.2	188.8	186.5
80°	493.3	162.9	153.4	162.9	134.5	118.0	134.5	155.8	162.9	177.0	177.0
82.5°	167.6	106.2	115.6	132.2	108.6	94.4	103.8	127.4	167.6	144.0	141.6
85°	47.2	47.2	61.4	70.8	73.2	63.7	73.2	120.4	96.8	82.6	80.2
87.5°	4.7	7.1	9.4	14.2	11.8	14.2	18.9	23.6	16.5	11.8	9.4
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)