

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: P415474

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415474  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-730-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4525 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 54  
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: 28.75 FT

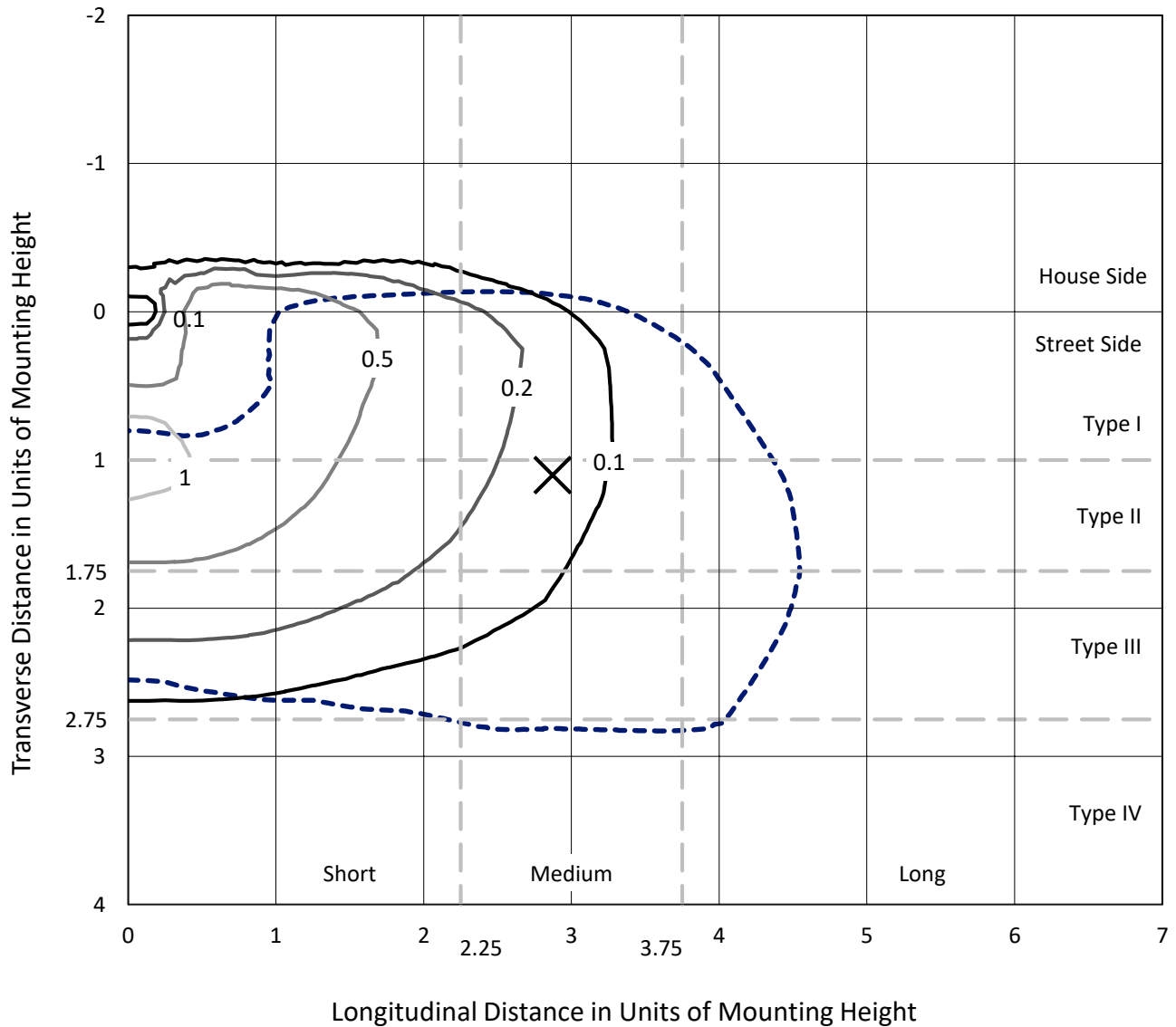


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

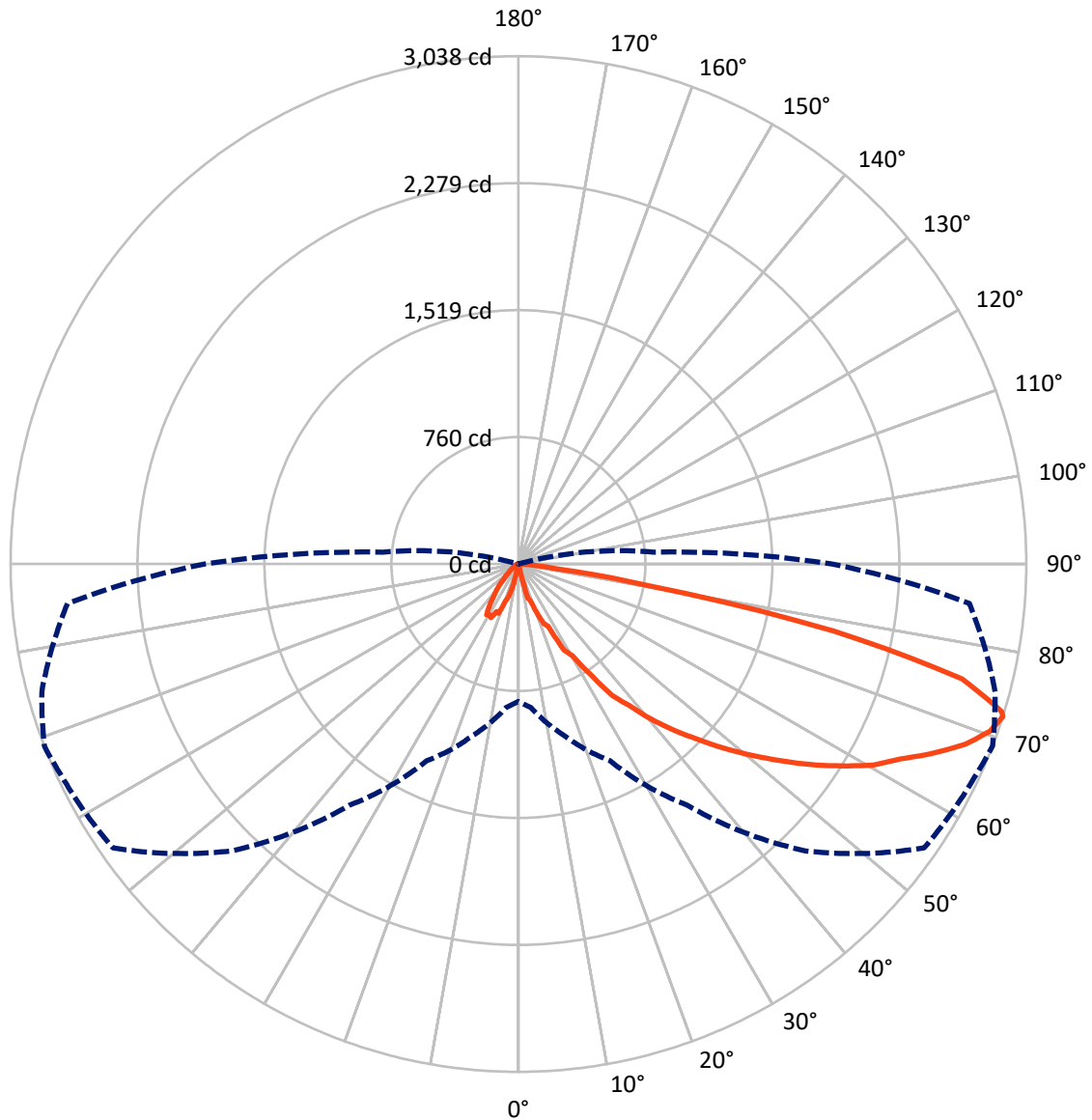


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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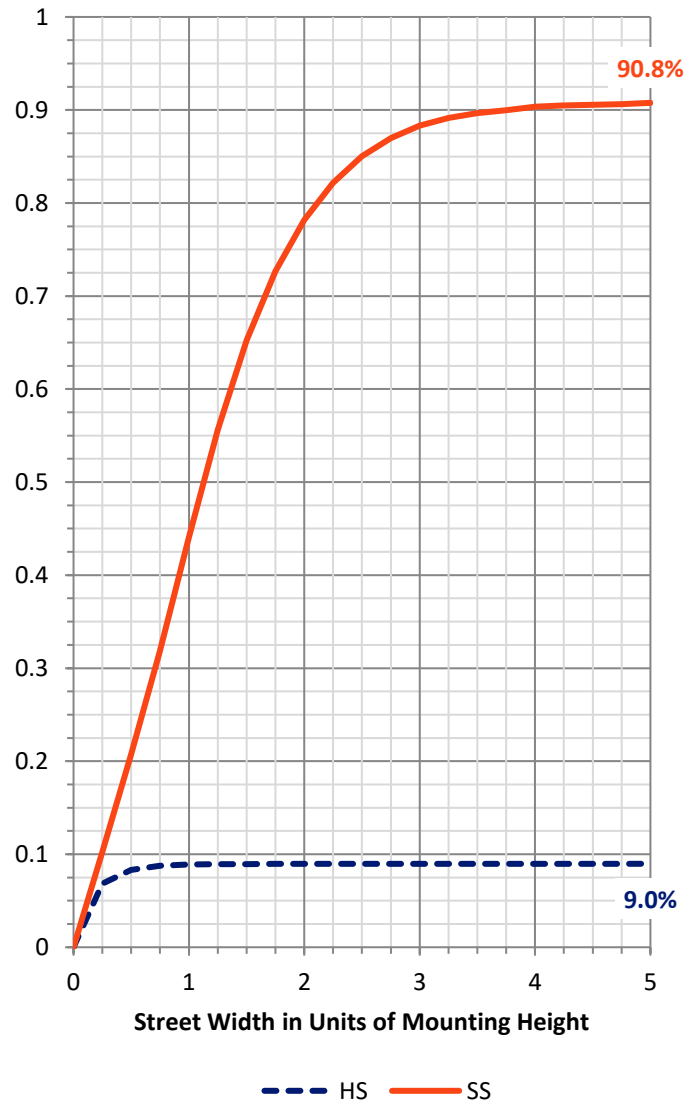
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	410.3	0.0	410.3
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	4114.7	0.0	4114.7
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	4525.0	0.0	4525.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	39.3	0.9
20°-30°	140.9	3.1
30°-40°	359.9	8.0
40°-50°	712.3	15.7
50°-60°	1122.5	24.8
60°-70°	1305.6	28.9
70°-80°	792.5	17.5
80°-90°	49.0	1.1
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°	4525.0	100.0
0°-180°	4525.0	100.0



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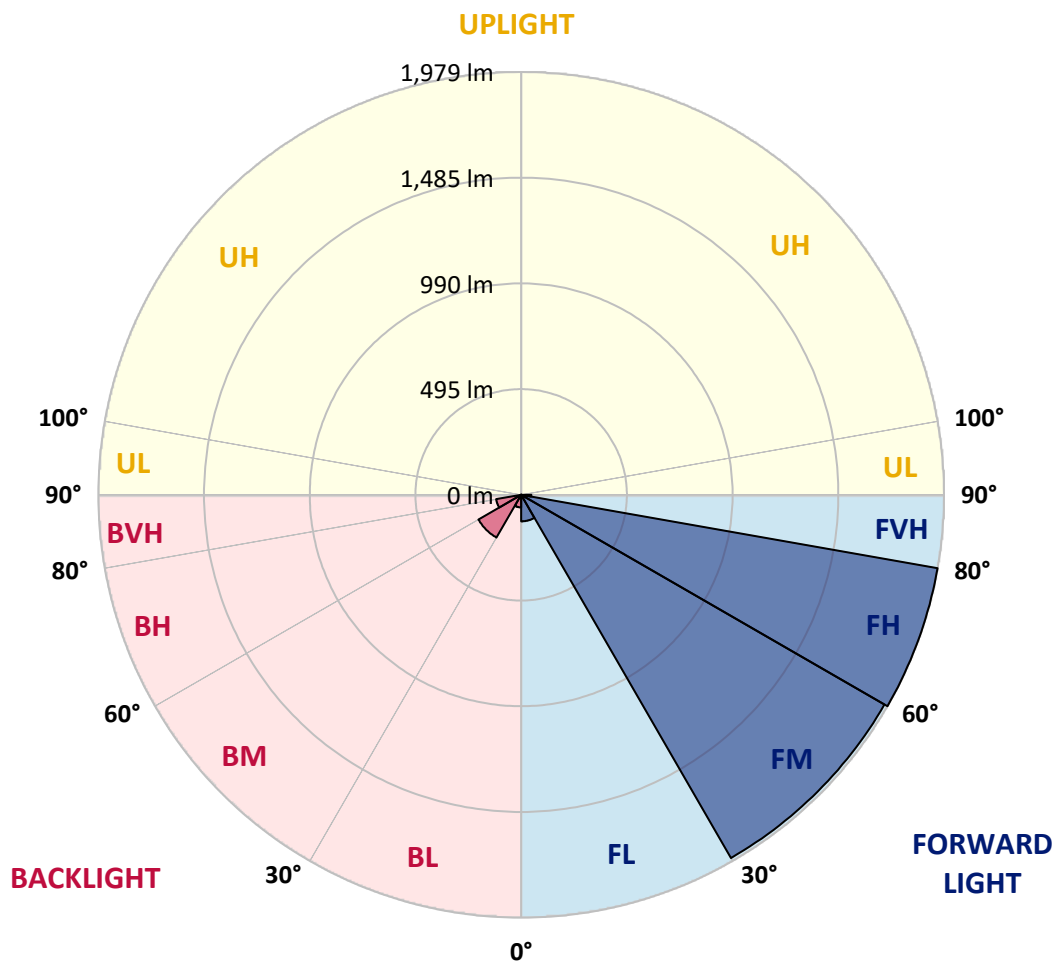
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.2	2.7			
FM (30°-60°)	1963.7	43.4			
FH (60°-80°)	1979.4	43.7			G2/5000
FVH (80°-90°)	47.3	1.0			G1/100
BL (0°-30°)	58.9	1.3	B0/110		
BM (30°-60°)	231.0	5.1	B1/1000		
BH (60°-80°)	118.7	2.6	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	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°	0.6	0.6	0.6	0.6	1.3	1.3	1.9	1.9	1.9	1.9	1.9
5°	63.0	41.2	30.9	25.7	12.9	3.2	1.9	1.9	1.9	1.9	1.9
7.5°	97.1	97.1	97.7	98.4	100.3	84.2	18.0	1.9	1.9	1.9	1.9
10°	93.9	93.2	93.2	94.5	97.1	99.7	102.2	13.5	3.2	1.9	1.9
12.5°	183.3	181.3	168.5	117.7	96.5	97.7	102.9	78.4	21.9	12.9	73.9
15°	181.3	180.7	182.0	185.2	186.5	104.2	152.4	207.1	211.6	142.8	173.0
17.5°	198.0	192.3	183.3	184.5	190.3	223.8	215.4	224.4	228.9	160.1	187.1
20°	273.9	273.3	274.6	215.4	201.3	283.6	249.5	243.7	302.9	317.0	351.7
22.5°	279.7	278.4	280.4	286.8	322.2	296.4	361.4	369.7	387.1	428.3	401.9
25°	391.6	391.6	321.5	299.6	367.2	335.0	447.5	420.5	411.5	459.8	517.0
27.5°	472.6	467.5	450.8	418.6	382.0	473.9	476.5	574.9	583.2	641.7	652.7
30°	598.7	591.6	547.2	522.1	473.9	498.3	556.2	683.5	637.2	684.2	731.8
32.5°	886.1	875.8	819.8	657.8	597.4	540.1	666.8	733.7	779.3	906.7	958.7
35°	1147.8	1080.9	1004.4	880.9	724.0	702.2	719.5	909.9	963.9	1003.1	1055.8
37.5°	1411.4	1412.7	1336.2	1036.5	915.0	810.8	867.4	1016.6	1071.3	1129.1	1176.7
40°	1623.0	1590.8	1488.6	1268.7	1079.6	975.5	982.5	1120.8	1217.9	1290.5	1300.2
42.5°	1893.0	1879.5	1729.1	1480.9	1292.5	1190.9	1160.0	1228.2	1356.8	1405.0	1434.6
45°	2151.5	2131.6	2003.6	1722.6	1520.1	1406.3	1363.8	1364.5	1491.2	1542.6	1585.0
47.5°	2345.1	2312.9	2244.1	1945.1	1806.2	1641.6	1553.5	1520.1	1643.6	1710.4	1734.2
50°	2547.6	2494.9	2440.3	2196.6	2053.2	1910.4	1741.9	1704.6	1794.0	1868.6	1887.9
52.5°	2683.3	2606.8	2568.9	2376.0	2274.4	2183.7	1930.3	1888.5	1952.2	2040.3	2024.9
55°	2614.5	2590.7	2631.9	2530.9	2432.5	2332.2	2135.5	2101.4	2118.1	2192.1	2155.4
57.5°	2471.1	2478.2	2599.7	2619.0	2574.6	2480.1	2319.4	2313.6	2279.5	2339.9	2292.4
60°	2321.3	2347.7	2516.8	2613.2	2645.4	2613.9	2513.6	2471.1	2440.9	2483.3	2446.0
62.5°	2120.7	2125.8	2352.8	2561.8	2618.4	2718.0	2649.2	2628.7	2566.3	2629.3	2613.9
65°	1868.6	1875.0	2088.5	2385.0	2537.4	2738.0	2755.3	2777.2	2729.0	2746.3	2795.2
67.5°	1587.0	1599.2	1785.7	2071.8	2363.1	2698.7	2843.4	2885.2	2881.4	2876.2	2924.4
70°	1284.8	1293.1	1444.9	1695.6	2081.5	2590.7	2925.1	2978.5	2993.3	2957.2	2923.2
72°	821.8	862.3	1062.9	1299.5	1761.9	2426.8	2961.7	3012.5	3038.3	2952.1	2707.8
72.5°	645.6	677.7	981.9	1190.9	1652.6	2388.8	2954.7	3001.0	3024.8	2923.8	2616.4
75°	138.9	142.8	307.4	578.7	1042.3	1830.0	2709.7	2715.5	2741.2	2547.6	1791.4
77.5°	59.8	60.4	85.5	191.0	374.2	935.6	1875.7	1929.1	1927.1	1648.7	866.1
80°	41.8	43.1	50.8	87.5	178.1	270.7	916.3	922.1	793.5	589.6	216.1
82.5°	21.9	23.1	36.0	52.1	120.9	99.0	296.4	299.0	220.6	138.9	50.2
85°	3.9	5.8	17.4	31.5	46.9	39.9	64.9	81.7	70.7	55.3	21.2
87.5°	0.6	0.6	4.5	4.5	6.4	3.9	6.4	7.1	7.7	11.6	5.8
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°	1.9	1.9	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0
5°	1.9	1.9	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0
7.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.0	59.2	79.7	84.9	90.7
10°	1.9	2.6	1.9	1.9	1.3	81.0	99.7	101.0	102.2	102.2	101.6
12.5°	81.7	83.6	29.6	5.8	75.2	102.9	97.7	89.4	81.7	79.1	78.4
15°	174.9	175.5	158.8	137.0	146.0	97.1	76.5	86.8	88.1	84.9	84.9
17.5°	188.4	188.4	180.0	219.9	184.5	97.1	80.4	66.2	56.6	54.0	53.4
20°	373.0	326.7	264.3	223.1	150.5	108.7	56.6	48.2	46.9	46.9	48.9
22.5°	402.5	396.7	344.0	300.9	129.2	76.5	55.3	55.3	65.6	64.3	63.7
25°	525.3	517.6	389.7	261.7	129.2	65.6	70.1	61.7	60.4	59.2	57.9
27.5°	664.2	648.2	547.9	236.6	91.3	68.8	66.9	58.5	69.4	69.4	68.8
30°	756.2	695.7	551.7	212.2	77.2	73.3	63.0	68.2	61.7	57.9	57.9
32.5°	980.0	952.3	674.5	149.8	73.3	66.2	66.2	58.5	52.1	54.0	53.4
35°	1050.7	1014.7	600.6	112.5	67.5	61.1	55.3	51.4	44.4	39.9	39.2
37.5°	1138.1	1091.2	504.1	86.8	66.2	54.0	45.7	39.2	34.1	34.1	33.4
40°	1245.5	1174.2	412.2	73.9	58.5	46.3	35.4	30.2	27.0	25.1	24.4
42.5°	1363.2	1252.6	317.0	66.9	50.8	37.9	26.4	21.9	19.9	19.3	19.3
45°	1487.3	1325.3	227.6	61.1	44.4	29.6	19.3	15.4	14.8	14.8	14.8
47.5°	1614.0	1378.0	155.0	55.3	37.3	21.9	14.1	11.6	11.6	10.9	10.9
50°	1738.1	1414.0	106.7	49.5	30.2	15.4	10.3	9.6	9.6	9.0	9.0
52.5°	1828.1	1405.6	79.7	43.1	23.8	11.6	8.4	7.7	7.7	7.7	7.7
55°	1915.6	1387.0	65.6	36.7	18.0	8.4	6.4	5.8	5.8	5.8	5.8
57.5°	2005.6	1361.9	56.6	29.6	12.9	6.4	4.5	4.5	4.5	4.5	4.5
60°	2080.2	1313.0	48.9	23.8	9.0	4.5	3.9	3.2	3.2	3.2	3.2
62.5°	2163.1	1263.5	41.8	18.0	6.4	3.2	2.6	1.9	1.9	1.3	1.9
65°	2222.3	1203.1	34.1	12.9	4.5	2.6	1.9	1.3	0.6	0.0	0.6
67.5°	2221.0	1122.7	24.4	8.4	3.2	1.9	1.3	0.6	0.0	0.0	0.0
70°	2123.9	1007.6	16.7	5.8	2.6	1.3	1.3	0.6	0.0	0.0	0.0
72°	1874.4	812.8	12.9	5.1	2.6	1.3	1.3	0.6	0.0	0.0	0.0
72.5°	1786.9	745.9	11.6	4.5	2.6	1.3	1.3	0.6	0.0	0.0	0.0
75°	1134.9	310.6	9.0	3.9	2.6	1.3	1.3	0.6	0.6	0.6	0.0
77.5°	527.3	113.8	6.4	3.2	1.9	1.3	1.3	0.6	0.6	1.3	0.0
80°	115.1	33.4	4.5	3.2	1.9	1.3	1.3	1.3	1.3	1.9	0.0
82.5°	26.4	10.9	3.9	2.6	1.9	1.3	1.3	1.3	1.3	1.9	0.0
85°	9.6	6.4	3.9	3.2	2.6	1.3	1.3	1.9	1.9	2.6	0.0
87.5°	3.9	3.9	3.2	3.2	2.6	1.3	1.9	1.9	2.6	2.6	0.0
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)