

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: P415214

Luminaire Tested: **LXF.LXT-PA1-40-760-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415214  
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-PA1-40-760-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5700K, 500mA 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: 3853 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B0 - U0 - G1

Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

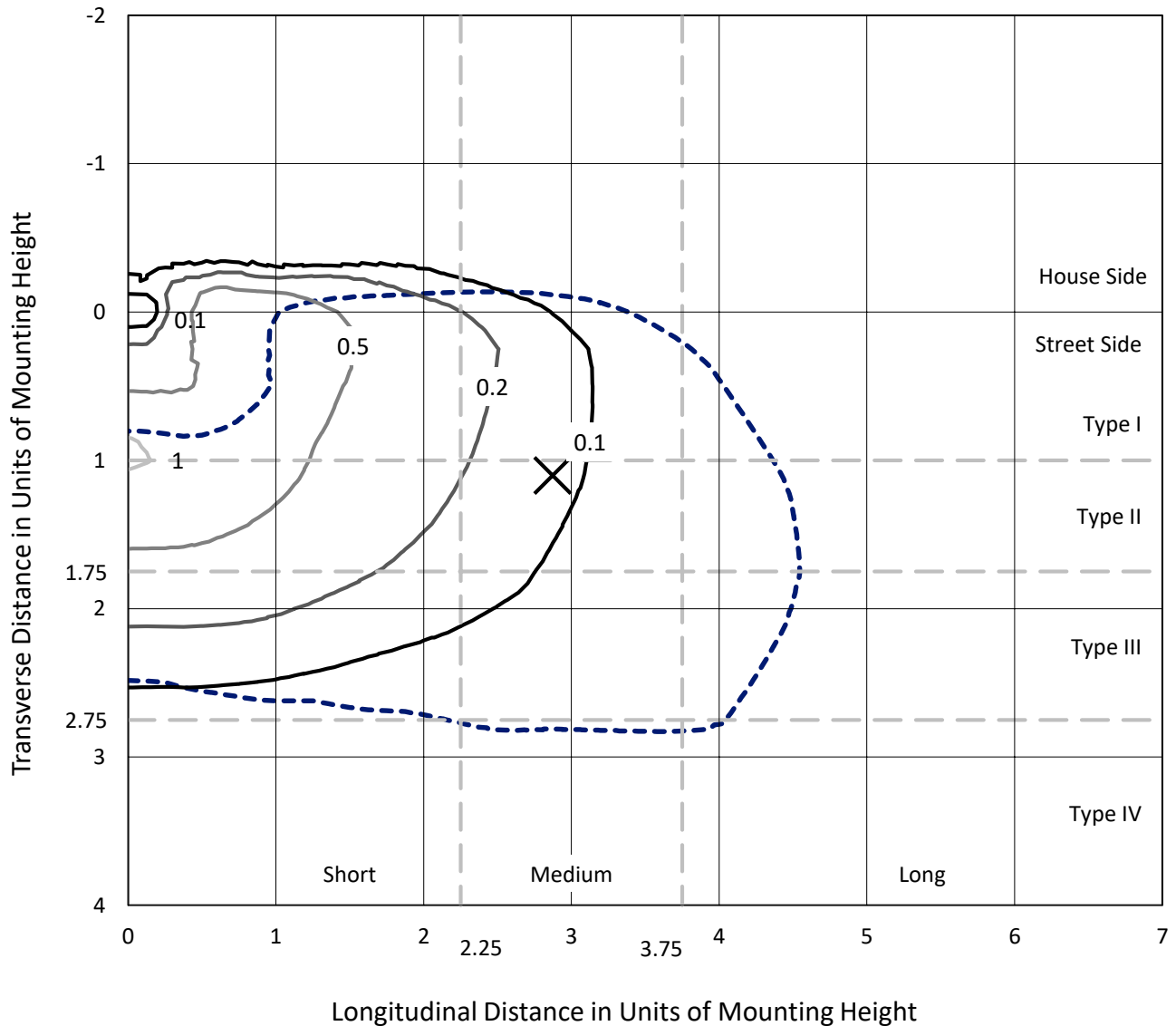


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

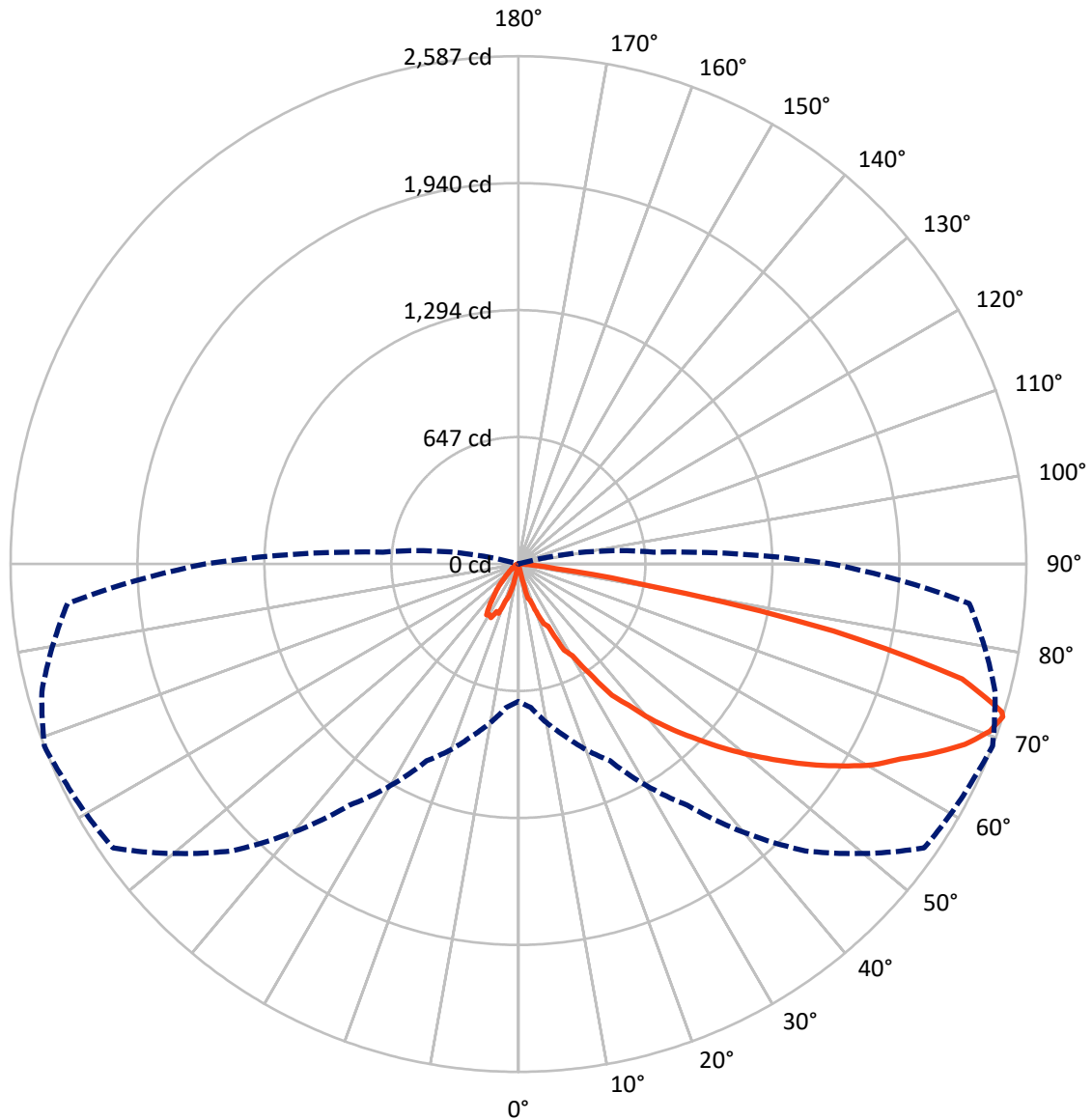


Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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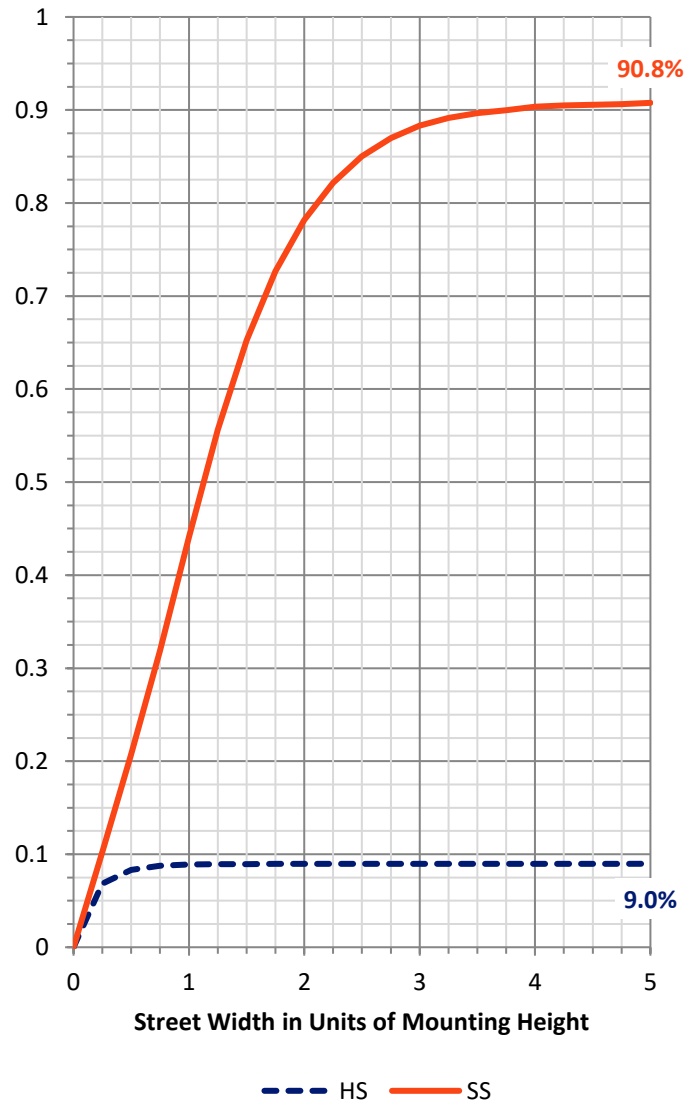
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	349.4	0.0	349.4
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	3503.6	0.0	3503.6
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	3853.0	0.0	3853.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.5	0.1
10°-20°	33.5	0.9
20°-30°	120.0	3.1
30°-40°	306.5	8.0
40°-50°	606.5	15.7
50°-60°	955.8	24.8
60°-70°	1111.7	28.9
70°-80°	674.8	17.5
80°-90°	41.8	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°	3853.0	100.0
0°-180°	3853.0	100.0



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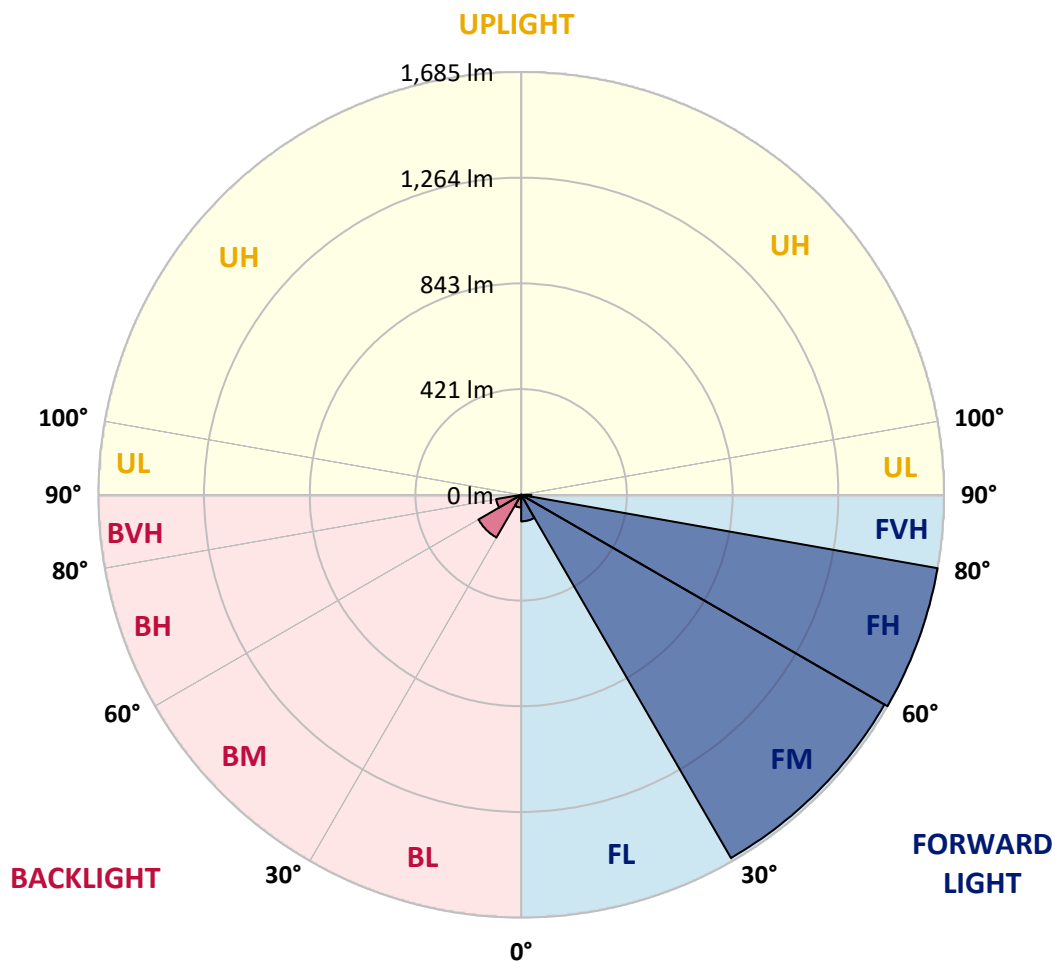
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	105.8	2.7			
FM	(30°-60°)	1672.1	43.4			
FH	(60°-80°)	1685.4	43.7			G1/1800
FVH	(80°-90°)	40.3	1.0			G1/100
BL	(0°-30°)	50.2	1.3	B0/110		
BM	(30°-60°)	196.7	5.1	B0/220		
BH	(60°-80°)	101.1	2.6	B0/110		G0/110
BVH	(80°-90°)	1.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	0.5	0.5	0.5	0.5	1.1	1.1	1.6	1.6	1.6	1.6	1.6
5°	53.7	35.0	26.3	21.9	11.0	2.7	1.6	1.6	1.6	1.6	1.6
7.5°	82.7	82.7	83.2	83.8	85.4	71.7	15.3	1.6	1.6	1.6	1.6
10°	79.9	79.4	79.4	80.5	82.7	84.9	87.1	11.5	2.7	1.6	1.6
12.5°	156.0	154.4	143.5	100.2	82.1	83.2	87.6	66.8	18.6	11.0	63.0
15°	154.4	153.9	154.9	157.7	158.8	88.7	129.8	176.3	180.1	121.6	147.3
17.5°	168.6	163.7	156.0	157.1	162.1	190.5	183.4	191.1	194.9	136.3	159.3
20°	233.2	232.7	233.8	183.4	171.4	241.5	212.4	207.5	257.9	269.9	299.5
22.5°	238.2	237.1	238.7	244.2	274.3	252.4	307.7	314.8	329.6	364.7	342.2
25°	333.4	333.4	273.8	255.1	312.6	285.3	381.1	358.1	350.4	391.5	440.2
27.5°	402.4	398.1	383.8	356.4	325.2	403.5	405.7	489.5	496.6	546.4	555.7
30°	509.7	503.7	465.9	444.6	403.5	424.3	473.6	582.0	542.6	582.6	623.1
32.5°	754.5	745.7	698.1	560.1	508.7	459.9	567.8	624.7	663.6	772.0	816.4
35°	977.3	920.4	855.2	750.1	616.5	597.9	612.7	774.7	820.7	854.1	899.0
37.5°	1201.8	1202.9	1137.8	882.6	779.1	690.4	738.6	865.6	912.2	961.5	1002.0
40°	1382.0	1354.6	1267.5	1080.3	919.3	830.6	836.6	954.3	1037.0	1098.9	1107.1
42.5°	1611.9	1600.4	1472.3	1260.9	1100.5	1014.0	987.7	1045.8	1155.3	1196.3	1221.5
45°	1832.0	1815.0	1706.1	1466.8	1294.3	1197.4	1161.3	1161.8	1269.7	1313.5	1349.6
47.5°	1996.8	1969.4	1910.9	1656.3	1538.0	1397.8	1322.8	1294.3	1399.5	1456.4	1476.7
50°	2169.3	2124.4	2077.9	1870.3	1748.2	1626.7	1483.2	1451.5	1527.6	1591.1	1607.5
52.5°	2284.8	2219.7	2187.4	2023.1	1936.6	1859.4	1643.7	1608.1	1662.3	1737.3	1724.2
55°	2226.2	2206.0	2241.0	2155.1	2071.3	1985.9	1818.3	1789.3	1803.5	1866.5	1835.3
57.5°	2104.1	2110.2	2213.6	2230.1	2192.3	2111.8	1974.9	1970.0	1941.0	1992.4	1951.9
60°	1976.6	1999.0	2143.0	2225.1	2252.5	2225.7	2140.3	2104.1	2078.4	2114.5	2082.8
62.5°	1805.7	1810.1	2003.4	2181.3	2229.5	2314.4	2255.8	2238.3	2185.2	2238.8	2225.7
65°	1591.1	1596.6	1778.4	2030.8	2160.5	2331.4	2346.1	2364.8	2323.7	2338.5	2380.1
67.5°	1351.3	1361.7	1520.5	1764.1	2012.2	2298.0	2421.2	2456.7	2453.5	2449.1	2490.1
70°	1094.0	1101.1	1230.3	1443.8	1772.3	2206.0	2490.7	2536.1	2548.7	2518.1	2489.0
72°	699.7	734.2	905.1	1106.5	1500.2	2066.4	2521.9	2565.2	2587.1	2513.7	2305.6
72.5°	549.7	577.1	836.1	1014.0	1407.1	2034.1	2515.9	2555.3	2575.6	2489.6	2227.9
75°	118.3	121.6	261.7	492.8	887.5	1558.3	2307.3	2312.2	2334.1	2169.3	1525.4
77.5°	50.9	51.5	72.8	162.6	318.7	796.6	1597.1	1642.6	1640.9	1403.9	737.5
80°	35.6	36.7	43.3	74.5	151.7	230.5	780.2	785.2	675.6	502.1	184.0
82.5°	18.6	19.7	30.7	44.3	102.9	84.3	252.4	254.6	187.8	118.3	42.7
85°	3.3	4.9	14.8	26.8	40.0	33.9	55.3	69.5	60.2	47.1	18.1
87.5°	0.5	0.5	3.8	3.8	5.5	3.3	5.5	6.0	6.6	9.9	4.9
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.6	1.6	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0
5°	1.6	1.6	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0
7.5°	1.6	1.6	1.6	1.6	1.1	0.5	0.0	50.4	67.9	72.3	77.2
10°	1.6	2.2	1.6	1.6	1.1	69.0	84.9	86.0	87.1	87.1	86.5
12.5°	69.5	71.2	25.2	4.9	64.1	87.6	83.2	76.1	69.5	67.3	66.8
15°	148.9	149.5	135.2	116.6	124.3	82.7	65.2	73.9	75.0	72.3	72.3
17.5°	160.4	160.4	153.3	187.3	157.1	82.7	68.4	56.4	48.2	46.0	45.4
20°	317.6	278.1	225.0	190.0	128.1	92.5	48.2	41.1	40.0	40.0	41.6
22.5°	342.8	337.8	292.9	256.2	110.1	65.2	47.1	47.1	55.8	54.8	54.2
25°	447.3	440.8	331.8	222.8	110.1	55.8	59.7	52.6	51.5	50.4	49.3
27.5°	565.6	551.9	466.5	201.5	77.7	58.6	56.9	49.8	59.1	59.1	58.6
30°	643.9	592.4	469.8	180.7	65.7	62.4	53.7	58.0	52.6	49.3	49.3
32.5°	834.4	810.9	574.4	127.6	62.4	56.4	56.4	49.8	44.3	46.0	45.4
35°	894.7	864.0	511.4	95.8	57.5	52.0	47.1	43.8	37.8	33.9	33.4
37.5°	969.1	929.1	429.3	73.9	56.4	46.0	38.9	33.4	29.0	29.0	28.5
40°	1060.6	999.8	351.0	63.0	49.8	39.4	30.1	25.7	23.0	21.4	20.8
42.5°	1160.8	1066.6	269.9	56.9	43.3	32.3	22.4	18.6	17.0	16.4	16.4
45°	1266.4	1128.4	193.8	52.0	37.8	25.2	16.4	13.1	12.6	12.6	12.6
47.5°	1374.3	1173.3	132.0	47.1	31.8	18.6	12.0	9.9	9.9	9.3	9.3
50°	1480.0	1204.0	90.9	42.2	25.7	13.1	8.8	8.2	8.2	7.7	7.7
52.5°	1556.6	1196.9	67.9	36.7	20.3	9.9	7.1	6.6	6.6	6.6	6.6
55°	1631.1	1181.0	55.8	31.2	15.3	7.1	5.5	4.9	4.9	4.9	4.9
57.5°	1707.7	1159.7	48.2	25.2	11.0	5.5	3.8	3.8	3.8	3.8	3.8
60°	1771.2	1118.0	41.6	20.3	7.7	3.8	3.3	2.7	2.7	2.7	2.7
62.5°	1841.9	1075.9	35.6	15.3	5.5	2.7	2.2	1.6	1.6	1.1	1.6
65°	1892.2	1024.4	29.0	11.0	3.8	2.2	1.6	1.1	0.5	0.0	0.5
67.5°	1891.2	956.0	20.8	7.1	2.7	1.6	1.1	0.5	0.0	0.0	0.0
70°	1808.5	858.0	14.2	4.9	2.2	1.1	1.1	0.5	0.0	0.0	0.0
72°	1596.0	692.1	11.0	4.4	2.2	1.1	1.1	0.5	0.0	0.0	0.0
72.5°	1521.6	635.1	9.9	3.8	2.2	1.1	1.1	0.5	0.0	0.0	0.0
75°	966.4	264.5	7.7	3.3	2.2	1.1	1.1	0.5	0.5	0.5	0.0
77.5°	449.0	96.9	5.5	2.7	1.6	1.1	1.1	0.5	0.5	1.1	0.0
80°	98.0	28.5	3.8	2.7	1.6	1.1	1.1	1.1	1.1	1.6	0.0
82.5°	22.4	9.3	3.3	2.2	1.6	1.1	1.1	1.1	1.1	1.6	0.0
85°	8.2	5.5	3.3	2.7	2.2	1.1	1.1	1.6	1.6	2.2	0.0
87.5°	3.3	3.3	2.7	2.7	2.2	1.1	1.6	1.6	2.2	2.2	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)