

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: P414979

Luminaire Tested: **LXF.LXT-PA1-40-727-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414979  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-727-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3527 lumens  
Efficiency: N/A  
Efficacy: 88.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - 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

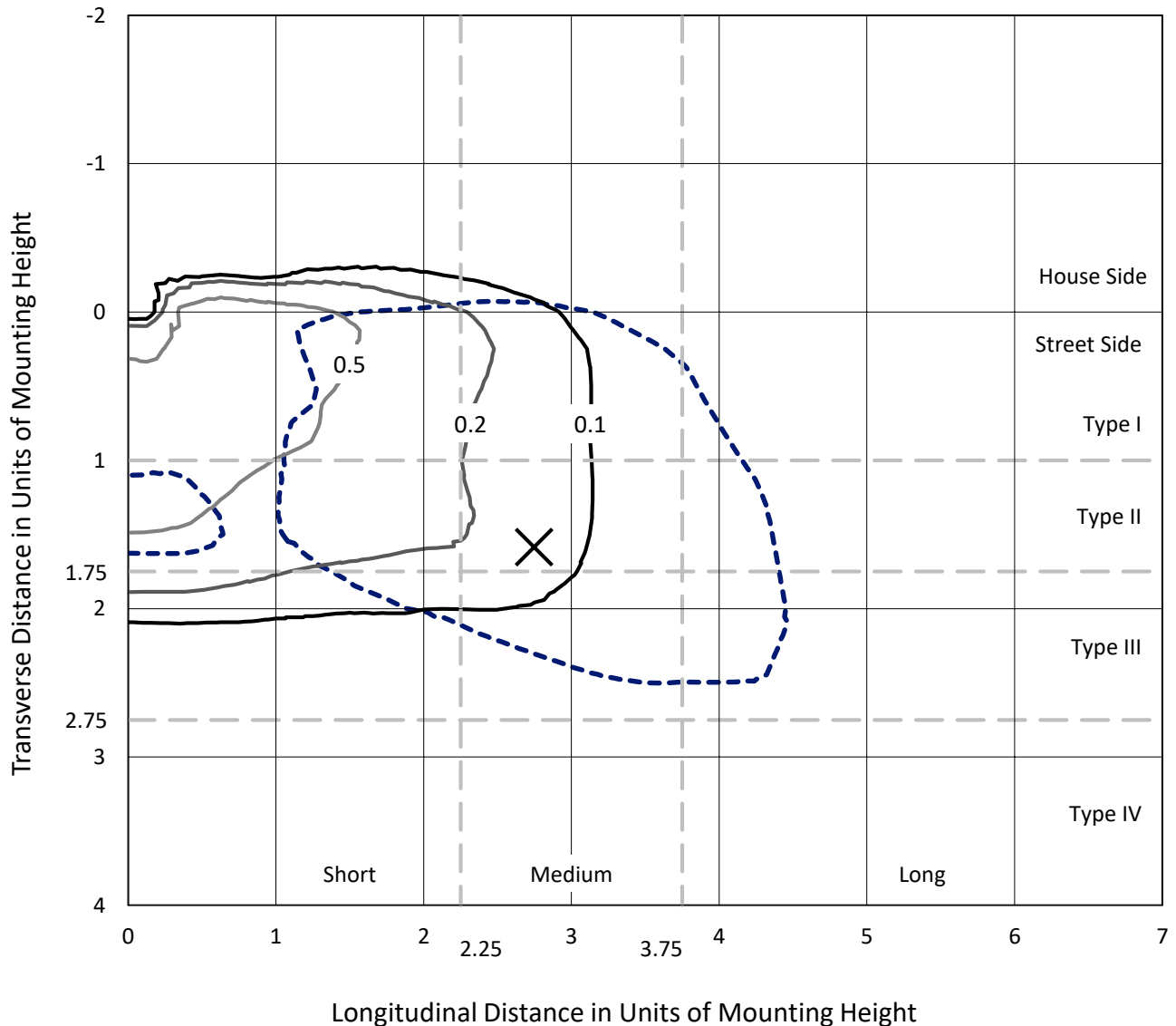


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

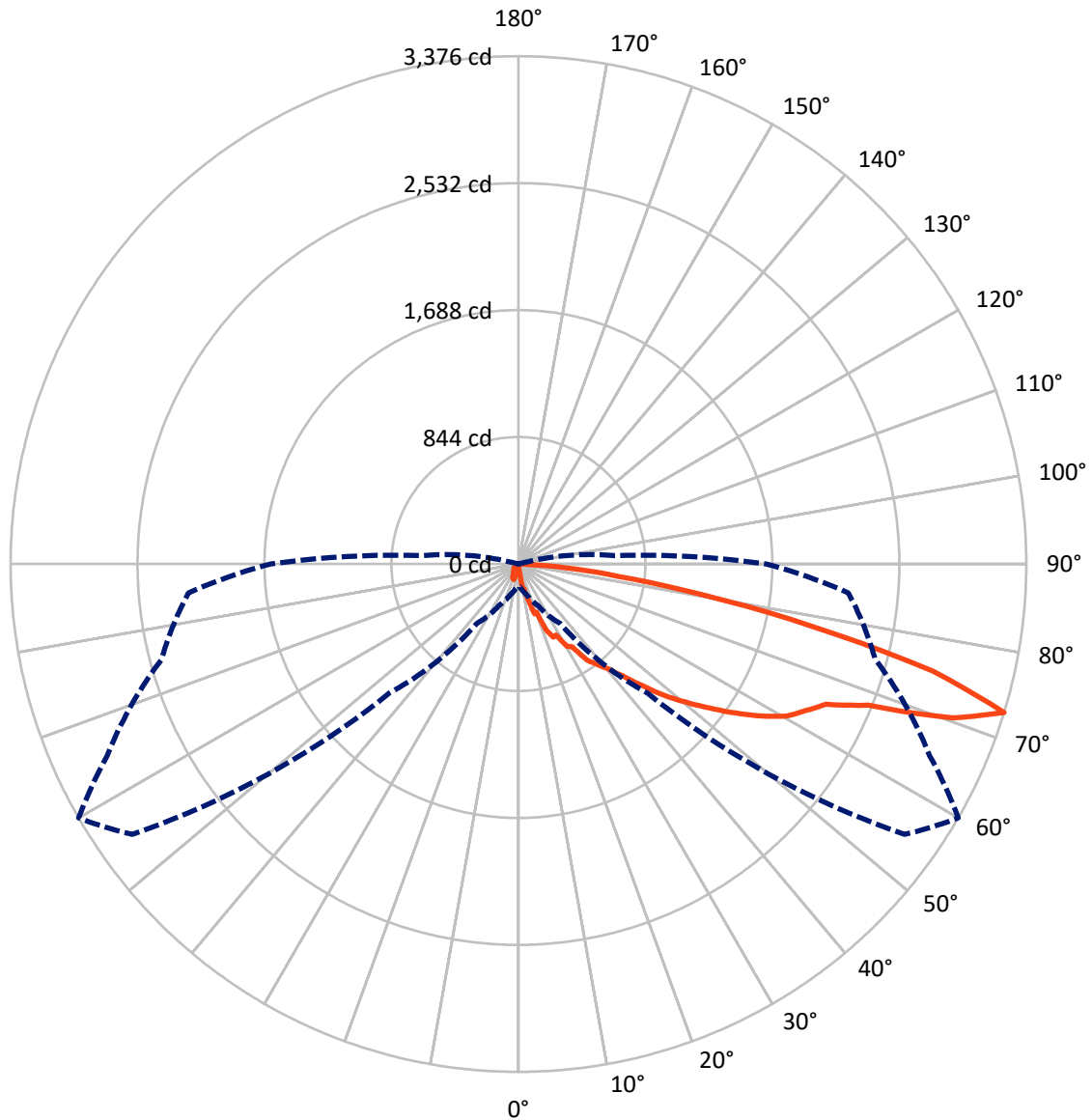


Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical



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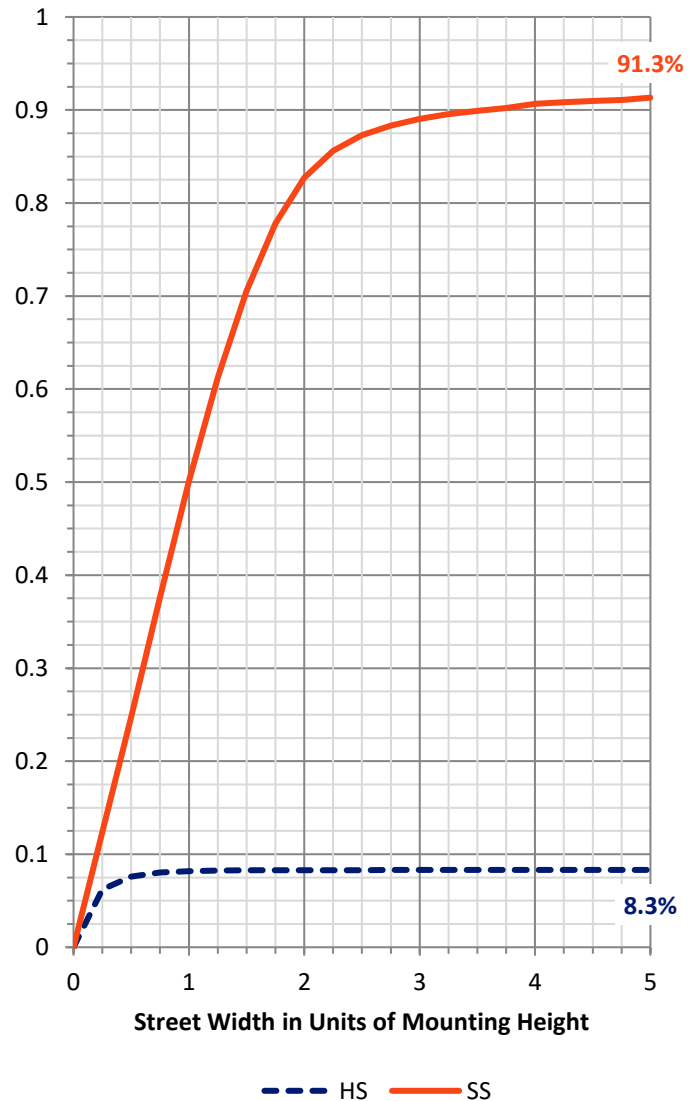
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	295.8	0.0	295.8
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	3231.2	0.0	3231.2
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	3527.0	0.0	3527.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.7	0.1
10°-20°	49.1	1.4
20°-30°	153.6	4.4
30°-40°	331.2	9.4
40°-50°	563.1	16.0
50°-60°	832.5	23.6
60°-70°	905.6	25.7
70°-80°	617.2	17.5
80°-90°	70.0	2.0
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°	3527.0	100.0
0°-180°	3527.0	100.0



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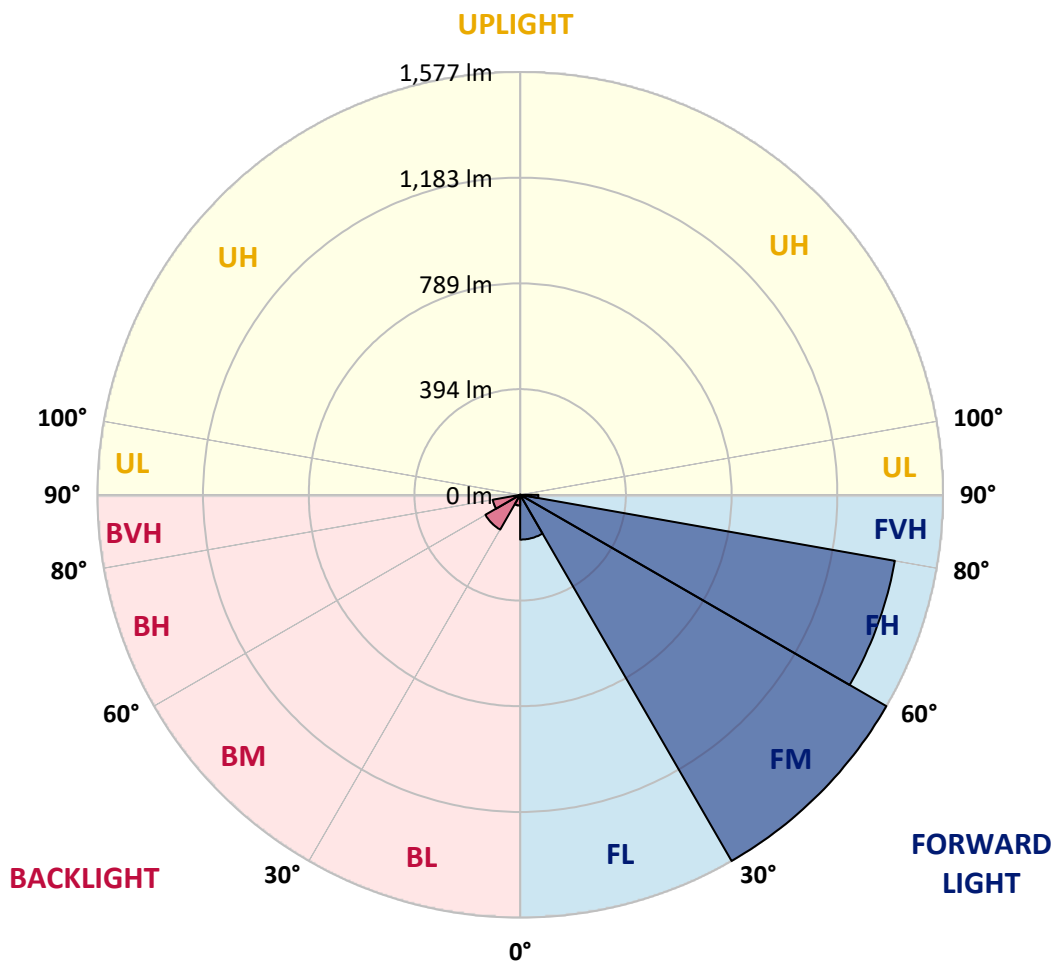
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.0	4.7			
FM	(30°-60°)	1577.2	44.7			
FH	(60°-80°)	1419.1	40.2			G1/1800
FVH	(80°-90°)	67.9	1.9			G1/100
BL	(0°-30°)	40.4	1.1	B0/110		
BM	(30°-60°)	149.6	4.2	B0/220		
BH	(60°-80°)	103.7	2.9	B0/110		G0/110
BVH	(80°-90°)	2.1	0.1			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	3.2	2.3	2.3	1.8	1.4	1.4	1.4	1.8	1.8	1.4	1.8
5°	180.4	178.1	178.1	179.0	116.3	19.7	11.0	4.6	1.8	1.8	1.8
7.5°	171.3	169.4	170.3	172.6	174.0	176.3	176.3	54.0	17.4	1.8	1.8
10°	175.4	174.0	166.7	165.3	168.0	170.3	171.3	175.4	170.3	5.0	1.8
12.5°	308.6	306.3	306.3	310.5	180.4	164.8	166.7	170.8	147.4	19.2	10.5
15°	295.3	293.5	294.0	299.0	305.9	217.0	171.3	253.7	325.6	294.0	233.5
17.5°	412.1	354.9	306.8	292.1	293.5	303.1	332.0	348.9	331.1	334.7	254.6
20°	420.8	417.6	415.8	419.0	300.4	399.7	422.2	342.5	333.3	358.5	469.8
22.5°	435.5	428.1	413.5	411.6	462.5	393.8	408.9	479.0	491.8	525.2	489.0
25°	589.8	584.3	569.2	433.2	474.4	452.4	515.6	538.9	531.2	553.1	530.2
27.5°	647.9	637.4	604.9	562.3	503.7	533.4	521.5	534.4	586.6	761.9	747.7
30°	908.0	880.1	790.3	647.5	598.9	555.4	606.7	633.7	677.7	779.8	766.5
32.5°	986.8	957.0	892.0	824.2	709.7	629.6	667.6	655.7	687.3	951.5	1006.4
35°	1216.2	1202.4	1085.2	897.0	867.7	742.7	701.0	783.0	829.7	964.8	1057.7
37.5°	1218.9	1219.8	1213.0	1085.7	951.5	834.7	842.5	845.7	881.9	1028.0	1117.3
40°	1257.8	1264.2	1281.2	1185.0	1071.9	968.0	947.4	915.3	947.4	1098.9	1198.8
42.5°	1339.3	1343.9	1381.5	1281.2	1167.2	1071.9	1082.5	1017.0	1040.3	1233.1	1309.6
45°	1482.7	1479.9	1527.1	1382.4	1256.0	1190.5	1202.4	1152.1	1137.9	1343.0	1439.6
47.5°	1644.7	1654.8	1653.0	1494.1	1344.4	1300.9	1335.2	1308.2	1252.3	1483.1	1591.2
50°	1798.1	1794.9	1747.3	1557.3	1423.1	1408.9	1488.2	1443.7	1392.9	1625.5	1737.2
52.5°	1854.0	1856.8	1800.0	1595.3	1490.4	1516.1	1634.7	1589.8	1523.9	1727.2	1882.4
55°	1843.9	1847.6	1815.5	1634.2	1540.8	1616.4	1786.7	1748.2	1674.1	1837.5	1991.4
57.5°	1749.6	1749.6	1775.7	1658.5	1589.8	1706.1	1922.2	1906.7	1815.1	1929.1	2056.4
60°	1508.8	1534.4	1616.4	1629.2	1647.5	1803.2	2056.4	2051.4	1940.1	2014.7	2094.9
62.5°	1160.3	1168.5	1349.9	1487.2	1652.1	1933.7	2169.5	2145.2	2032.6	2040.8	2121.9
65°	658.0	695.5	863.1	1210.2	1558.2	2070.1	2351.3	2247.3	2113.6	2072.0	2221.2
67.5°	354.4	368.1	461.6	732.6	1277.1	2085.2	2763.4	2506.5	2305.9	2235.9	2415.8
70°	228.9	243.6	294.0	402.5	800.9	1843.9	3151.2	3064.7	2702.9	2460.3	2445.6
72.5°	148.8	157.5	212.0	303.1	481.7	1214.8	3133.4	3376.0	3016.6	2456.1	2201.5
75°	60.4	66.4	106.2	252.3	407.1	595.3	2403.9	2846.7	2832.1	2182.8	1703.8
77.5°	30.2	32.1	47.2	136.5	361.3	412.1	1521.1	2007.9	2016.1	1591.2	947.4
80°	19.7	19.2	27.0	64.1	246.3	375.0	850.8	1233.6	1153.4	603.5	265.6
82.5°	7.8	8.2	14.7	36.6	103.0	339.3	485.4	663.9	519.2	117.7	76.5
85°	1.4	1.4	4.6	19.7	32.5	155.2	313.2	321.4	213.4	37.1	38.5
87.5°	0.5	0.5	0.9	1.4	2.3	3.7	13.7	6.4	4.1	6.4	7.3
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.8	1.8	1.8	1.4	1.4	0.9	0.0	0.0	0.5	0.5	0.5
5°	1.8	1.8	1.8	1.4	1.4	0.5	0.0	0.0	0.5	0.5	0.5
7.5°	1.8	1.8	1.8	1.4	0.9	0.5	0.0	0.0	0.5	0.5	0.5
10°	1.8	1.8	1.8	1.4	0.9	0.5	13.3	84.7	87.5	87.9	87.0
12.5°	11.4	11.9	6.4	1.4	0.9	78.8	78.3	65.5	57.2	54.0	49.9
15°	248.6	236.3	195.5	115.4	63.6	64.6	47.6	35.3	28.4	26.6	25.6
17.5°	246.3	228.5	180.0	105.3	110.8	48.5	25.6	28.4	37.1	37.5	37.5
20°	462.9	406.2	175.8	117.7	74.6	42.1	33.4	35.3	35.3	35.7	35.3
22.5°	482.6	425.8	263.3	150.2	53.6	44.4	38.0	33.0	33.9	44.0	42.6
25°	486.7	417.6	244.1	117.7	51.7	44.4	41.7	40.3	45.3	45.3	45.8
27.5°	701.5	587.0	295.8	88.4	51.3	46.2	46.2	42.1	40.8	40.3	40.8
30°	700.1	566.9	252.3	74.6	49.5	45.8	41.7	37.5	45.3	45.8	45.8
32.5°	919.0	724.8	244.1	60.4	49.5	42.1	36.6	38.9	36.2	36.2	36.2
35°	931.8	706.5	192.3	62.7	44.0	38.5	35.7	30.2	32.1	32.5	31.6
37.5°	956.5	693.7	146.1	56.8	44.0	35.7	29.3	27.0	25.2	24.7	24.7
40°	1001.0	694.6	112.6	52.2	41.2	32.5	26.1	22.0	22.9	22.9	22.4
42.5°	1067.3	707.9	88.4	48.1	37.1	28.8	22.0	19.7	18.3	18.3	17.9
45°	1155.3	736.3	72.3	44.9	33.9	24.7	17.9	16.0	14.7	14.7	14.2
47.5°	1264.2	776.1	63.2	41.7	30.2	20.6	14.7	12.8	11.9	11.4	11.4
50°	1380.5	823.7	58.2	38.9	26.1	16.5	11.9	10.1	9.2	9.2	8.7
52.5°	1501.0	878.2	54.0	37.1	22.4	13.7	9.2	7.3	6.9	6.4	6.9
55°	1598.5	911.2	51.3	36.6	18.8	11.0	6.9	5.5	5.0	4.6	4.6
57.5°	1662.6	929.1	47.6	33.9	15.1	8.2	5.0	3.7	3.2	3.2	3.2
60°	1713.0	939.1	43.0	27.0	11.9	6.0	3.2	2.3	2.3	2.3	2.3
62.5°	1752.8	946.0	36.2	21.1	9.2	4.1	2.3	1.4	1.4	1.4	1.4
65°	1870.9	986.3	27.9	16.0	6.9	2.7	1.4	0.9	0.5	0.9	0.9
67.5°	2014.7	1003.2	20.6	11.4	5.0	1.8	0.9	0.5	0.5	0.5	0.9
70°	1957.9	874.1	15.1	8.2	3.7	1.4	0.9	0.5	0.5	0.5	0.9
72.5°	1645.2	638.8	11.0	6.0	2.7	1.4	0.9	0.5	0.5	0.9	0.9
75°	1183.2	360.4	8.7	4.1	2.3	1.4	0.9	0.9	0.9	1.4	1.4
77.5°	556.8	134.2	8.7	3.7	2.3	1.4	0.9	0.9	1.4	1.8	0.9
80°	135.1	33.4	8.7	3.2	2.3	1.4	1.4	1.4	1.8	1.8	0.9
82.5°	45.3	14.2	6.4	2.7	2.3	1.4	1.4	1.8	1.8	2.3	1.4
85°	27.5	9.2	4.6	3.2	2.7	1.4	1.8	1.8	2.3	2.7	1.4
87.5°	4.6	3.7	3.2	3.2	2.7	1.8	1.8	2.3	2.3	2.7	1.8
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)