

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: P415291

Luminaire Tested: **LXF.LXT-PA1-40-830-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415291  
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-PA1-40-830-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 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: 3351 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 III - Medium - Non-Cutoff  
BUG Rating: B0 - U0 - G1

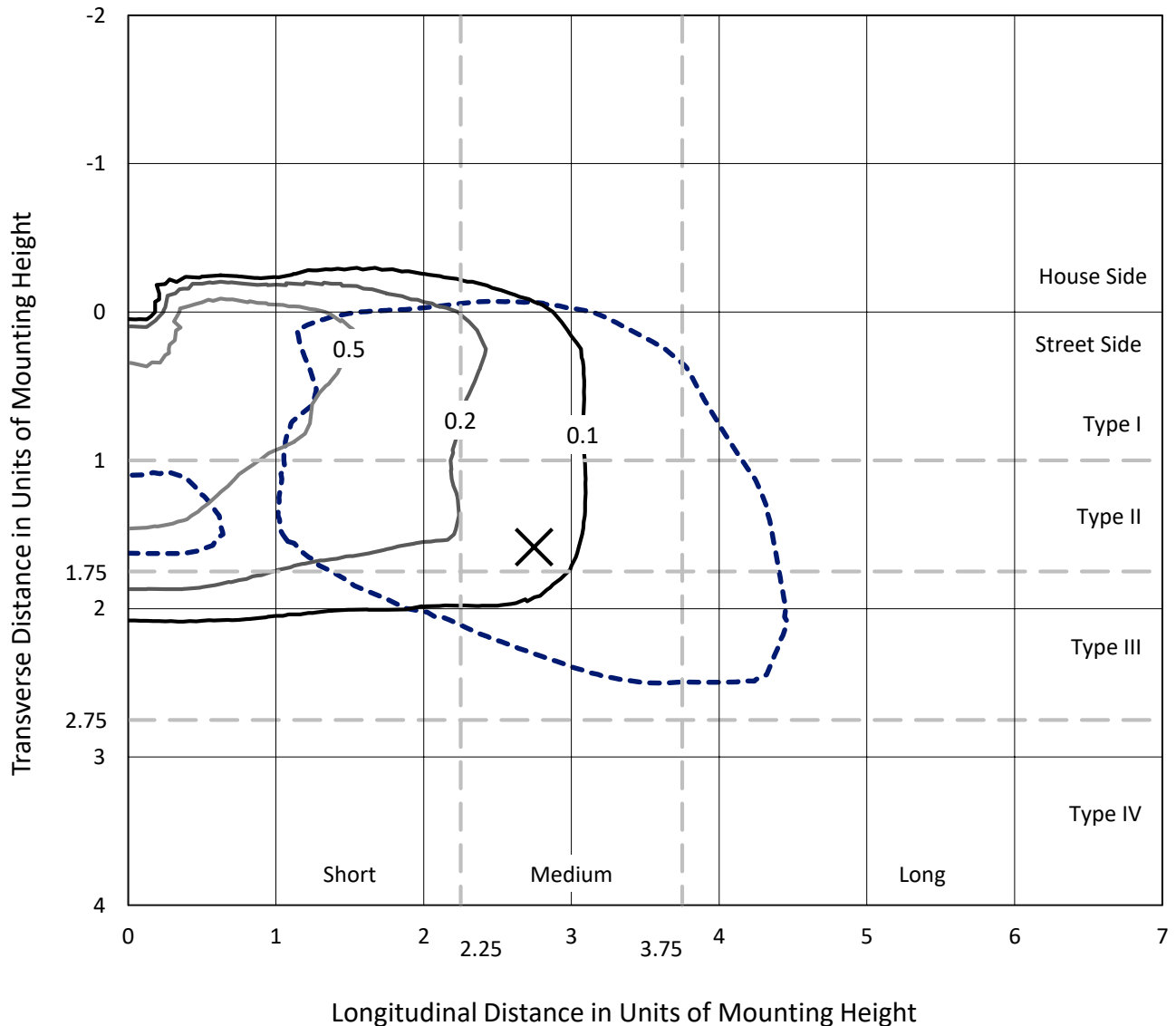
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

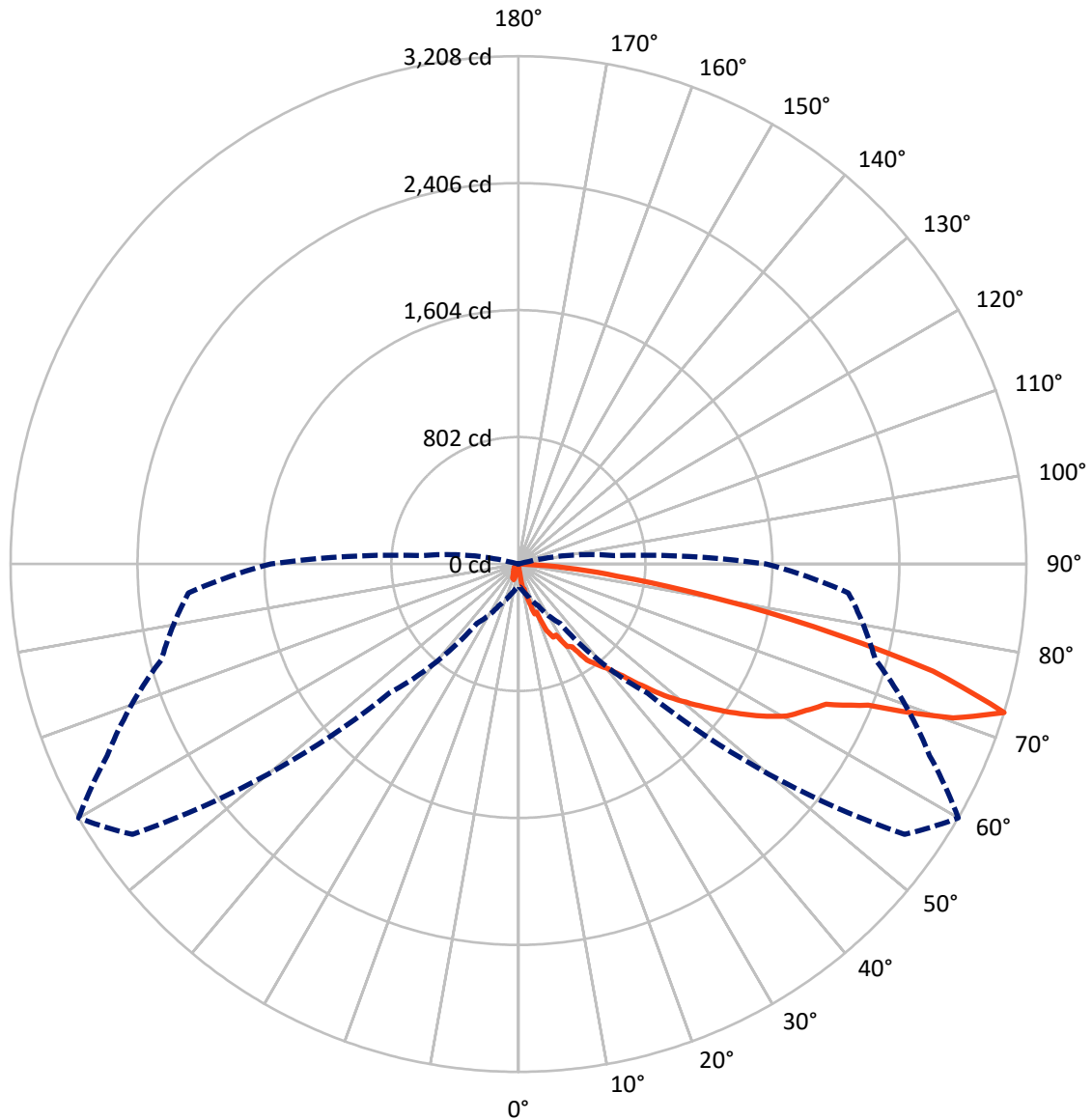


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Medium - Non-Cutoff

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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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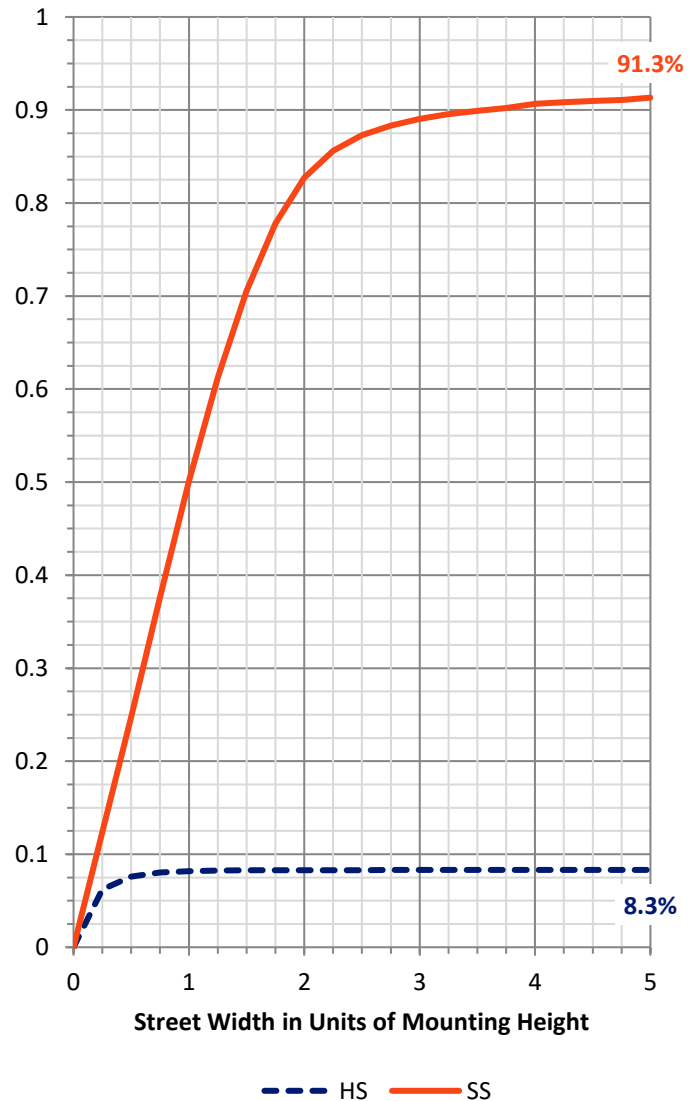
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	281.1	0.0	281.1
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	3070.0	0.0	3070.0
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	3351.0	0.0	3351.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	46.7	1.4
20°-30°	146.0	4.4
30°-40°	314.7	9.4
40°-50°	535.0	16.0
50°-60°	791.0	23.6
60°-70°	860.4	25.7
70°-80°	586.4	17.5
80°-90°	66.5	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°	3351.0	100.0
0°-180°	3351.0	100.0

**Coefficient of Utilization**



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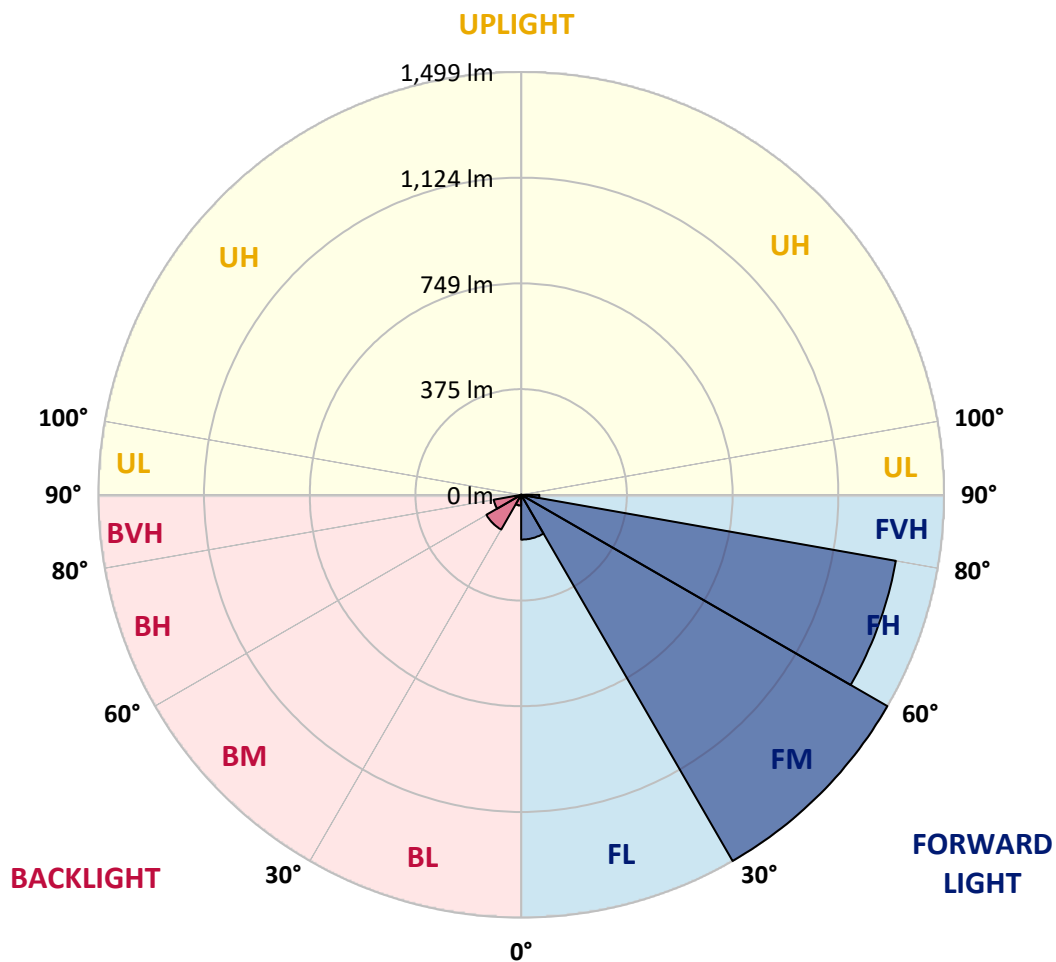
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	158.7	4.7			
FM	(30°-60°)	1498.5	44.7			
FH	(60°-80°)	1348.2	40.2			G1/1800
FVH	(80°-90°)	64.5	1.9			G1/100
BL	(0°-30°)	38.4	1.1	B0/110		
BM	(30°-60°)	142.1	4.2	B0/220		
BH	(60°-80°)	98.5	2.9	B0/110		G0/110
BVH	(80°-90°)	2.0	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°	3.0	2.2	2.2	1.7	1.3	1.3	1.3	1.7	1.7	1.3	1.7
5°	171.4	169.2	169.2	170.1	110.5	18.7	10.4	4.4	1.7	1.7	1.7
7.5°	162.7	161.0	161.8	164.0	165.3	167.5	167.5	51.3	16.5	1.7	1.7
10°	166.6	165.3	158.4	157.1	159.7	161.8	162.7	166.6	161.8	4.8	1.7
12.5°	293.2	291.0	291.0	295.0	171.4	156.6	158.4	162.3	140.1	18.3	10.0
15°	280.6	278.9	279.3	284.1	290.6	206.2	162.7	241.0	309.3	279.3	221.9
17.5°	391.5	337.2	291.5	277.6	278.9	288.0	315.4	331.5	314.5	318.0	241.9
20°	399.8	396.8	395.0	398.1	285.4	379.8	401.1	325.4	316.7	340.6	446.4
22.5°	413.7	406.8	392.8	391.1	439.4	374.1	388.5	455.1	467.2	499.0	464.6
25°	560.3	555.1	540.8	411.6	450.7	429.8	489.9	512.0	504.7	525.5	503.8
27.5°	615.6	605.6	574.7	534.2	478.5	506.8	495.5	507.7	557.3	723.9	710.4
30°	862.7	836.2	750.9	615.2	569.0	527.7	576.4	602.1	643.9	740.9	728.3
32.5°	937.5	909.2	847.5	783.1	674.3	598.2	634.3	623.0	653.0	904.0	956.2
35°	1155.5	1142.4	1031.1	852.2	824.4	705.6	666.1	743.9	788.3	916.6	1004.9
37.5°	1158.1	1159.0	1152.4	1031.5	904.0	793.1	800.5	803.5	837.9	976.7	1061.5
40°	1195.1	1201.2	1217.3	1125.9	1018.4	919.7	900.1	869.7	900.1	1044.1	1138.9
42.5°	1272.5	1276.9	1312.5	1217.3	1108.9	1018.4	1028.4	966.2	988.4	1171.6	1244.2
45°	1408.7	1406.1	1450.9	1313.4	1193.3	1131.1	1142.4	1094.6	1081.1	1276.0	1367.8
47.5°	1562.7	1572.2	1570.5	1419.5	1277.3	1236.0	1268.6	1242.9	1189.8	1409.1	1511.8
50°	1708.4	1705.4	1660.1	1479.6	1352.1	1338.6	1413.9	1371.7	1323.4	1544.4	1650.6
52.5°	1761.5	1764.1	1710.2	1515.7	1416.1	1440.4	1553.1	1510.5	1447.8	1641.0	1788.5
55°	1751.9	1755.4	1724.9	1552.7	1463.9	1535.7	1697.5	1661.0	1590.5	1745.8	1892.0
57.5°	1662.3	1662.3	1687.1	1575.7	1510.5	1621.0	1826.3	1811.5	1724.5	1832.8	1953.8
60°	1433.5	1457.8	1535.7	1547.9	1565.3	1713.2	1953.8	1949.0	1843.3	1914.2	1990.3
62.5°	1102.4	1110.2	1282.5	1413.0	1569.6	1837.2	2061.2	2038.2	1931.2	1939.0	2016.0
65°	625.2	660.8	820.1	1149.8	1480.5	1966.8	2233.9	2135.2	2008.2	1968.6	2110.4
67.5°	336.7	349.8	438.5	696.1	1213.3	1981.2	2625.5	2381.4	2190.9	2124.3	2295.3
70°	217.5	231.4	279.3	382.4	760.9	1751.9	2994.0	2911.7	2568.1	2337.5	2323.6
72.5°	141.4	149.7	201.4	288.0	457.7	1154.2	2977.0	3207.6	2866.1	2333.6	2091.7
75°	57.4	63.1	100.9	239.7	386.8	565.6	2284.0	2704.7	2690.7	2073.9	1618.8
77.5°	28.7	30.5	44.8	129.6	343.2	391.5	1445.2	1907.7	1915.5	1511.8	900.1
80°	18.7	18.3	25.7	60.9	234.1	356.3	808.3	1172.0	1095.9	573.4	252.3
82.5°	7.4	7.8	13.9	34.8	97.9	322.4	461.1	630.8	493.3	111.8	72.7
85°	1.3	1.3	4.4	18.7	30.9	147.5	297.6	305.4	202.7	35.2	36.5
87.5°	0.4	0.4	0.9	1.3	2.2	3.5	13.1	6.1	3.9	6.1	7.0
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°	1.7	1.7	1.7	1.3	1.3	0.9	0.0	0.0	0.4	0.4	0.4
5°	1.7	1.7	1.7	1.3	1.3	0.4	0.0	0.0	0.4	0.4	0.4
7.5°	1.7	1.7	1.7	1.3	0.9	0.4	0.0	0.0	0.4	0.4	0.4
10°	1.7	1.7	1.7	1.3	0.9	0.4	12.6	80.5	83.1	83.5	82.7
12.5°	10.9	11.3	6.1	1.3	0.9	74.8	74.4	62.2	54.4	51.3	47.4
15°	236.2	224.5	185.8	109.6	60.5	61.3	45.2	33.5	27.0	25.2	24.4
17.5°	234.1	217.1	171.0	100.1	105.3	46.1	24.4	27.0	35.2	35.7	35.7
20°	439.8	385.9	167.1	111.8	70.9	40.0	31.8	33.5	33.5	33.9	33.5
22.5°	458.5	404.6	250.1	142.7	50.9	42.2	36.1	31.3	32.2	41.8	40.5
25°	462.5	396.8	231.9	111.8	49.2	42.2	39.6	38.3	43.1	43.1	43.5
27.5°	666.5	557.7	281.0	84.0	48.7	43.9	43.9	40.0	38.7	38.3	38.7
30°	665.2	538.6	239.7	70.9	47.0	43.5	39.6	35.7	43.1	43.5	43.5
32.5°	873.1	688.7	231.9	57.4	47.0	40.0	34.8	37.0	34.4	34.4	34.4
35°	885.3	671.3	182.7	59.6	41.8	36.5	33.9	28.7	30.5	30.9	30.0
37.5°	908.8	659.1	138.8	53.9	41.8	33.9	27.8	25.7	23.9	23.5	23.5
40°	951.0	660.0	107.0	49.6	39.2	30.9	24.8	20.9	21.8	21.8	21.3
42.5°	1014.1	672.6	84.0	45.7	35.2	27.4	20.9	18.7	17.4	17.4	17.0
45°	1097.6	699.5	68.7	42.6	32.2	23.5	17.0	15.2	13.9	13.9	13.5
47.5°	1201.2	737.4	60.0	39.6	28.7	19.6	13.9	12.2	11.3	10.9	10.9
50°	1311.7	782.6	55.3	37.0	24.8	15.7	11.3	9.6	8.7	8.7	8.3
52.5°	1426.1	834.4	51.3	35.2	21.3	13.1	8.7	7.0	6.5	6.1	6.5
55°	1518.7	865.7	48.7	34.8	17.8	10.4	6.5	5.2	4.8	4.4	4.4
57.5°	1579.6	882.7	45.2	32.2	14.4	7.8	4.8	3.5	3.0	3.0	3.0
60°	1627.5	892.3	40.9	25.7	11.3	5.7	3.0	2.2	2.2	2.2	2.2
62.5°	1665.3	898.8	34.4	20.0	8.7	3.9	2.2	1.3	1.3	1.3	1.3
65°	1777.6	937.1	26.5	15.2	6.5	2.6	1.3	0.9	0.4	0.9	0.9
67.5°	1914.2	953.2	19.6	10.9	4.8	1.7	0.9	0.4	0.4	0.4	0.9
70°	1860.2	830.5	14.4	7.8	3.5	1.3	0.9	0.4	0.4	0.4	0.9
72.5°	1563.1	606.9	10.4	5.7	2.6	1.3	0.9	0.4	0.4	0.9	0.9
75°	1124.2	342.4	8.3	3.9	2.2	1.3	0.9	0.9	0.9	1.3	1.3
77.5°	529.0	127.5	8.3	3.5	2.2	1.3	0.9	0.9	1.3	1.7	0.9
80°	128.3	31.8	8.3	3.0	2.2	1.3	1.3	1.3	1.7	1.7	0.9
82.5°	43.1	13.5	6.1	2.6	2.2	1.3	1.3	1.7	1.7	2.2	1.3
85°	26.1	8.7	4.4	3.0	2.6	1.3	1.7	1.7	2.2	2.6	1.3
87.5°	4.4	3.5	3.0	3.0	2.6	1.7	1.7	2.2	2.2	2.6	1.7
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)