

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: P414208

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T2R-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414208  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-730-U-T2R-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1992 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Medium - Full Cutoff  
BUG Rating: B0 - U0 - G0

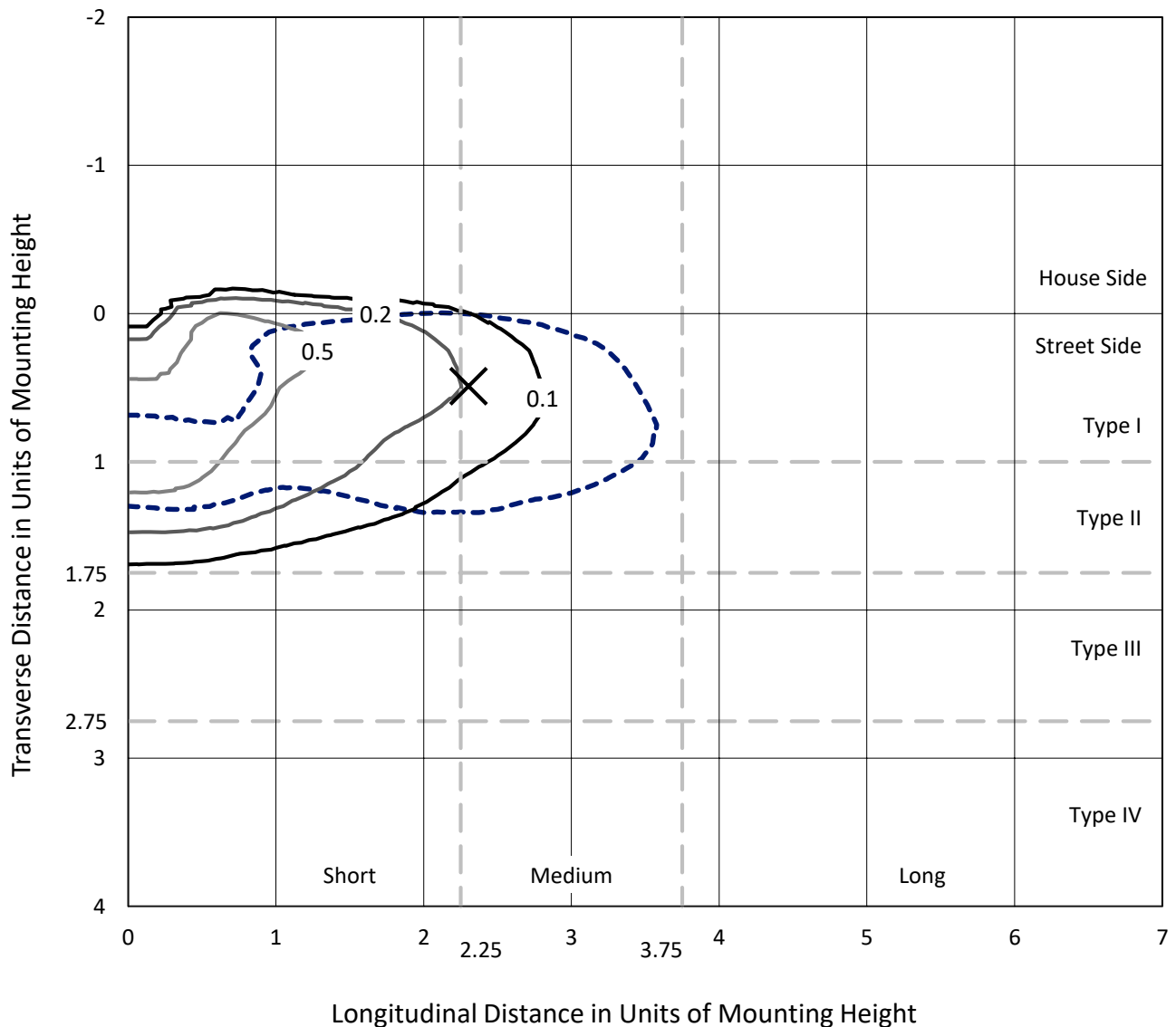
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

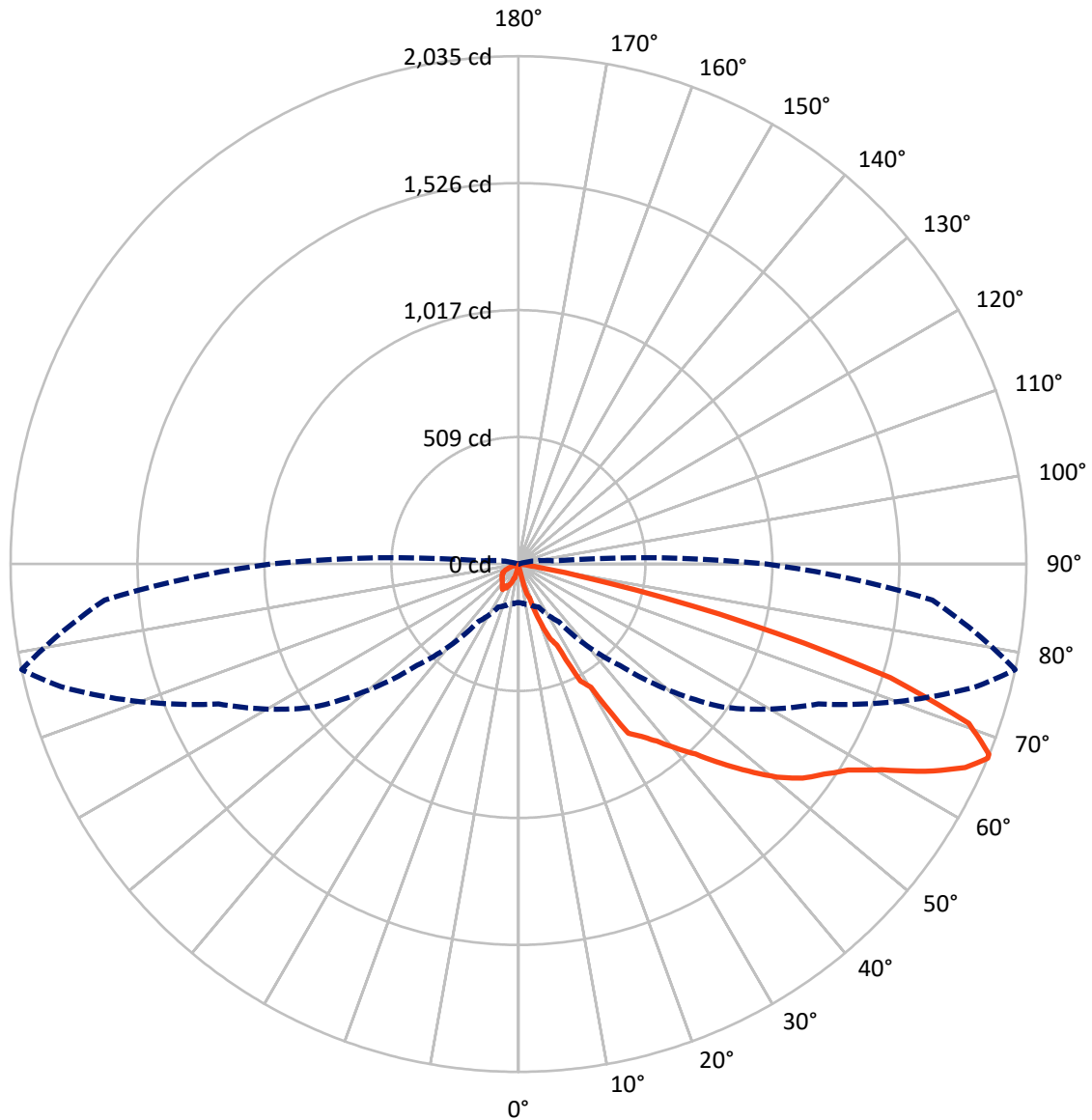
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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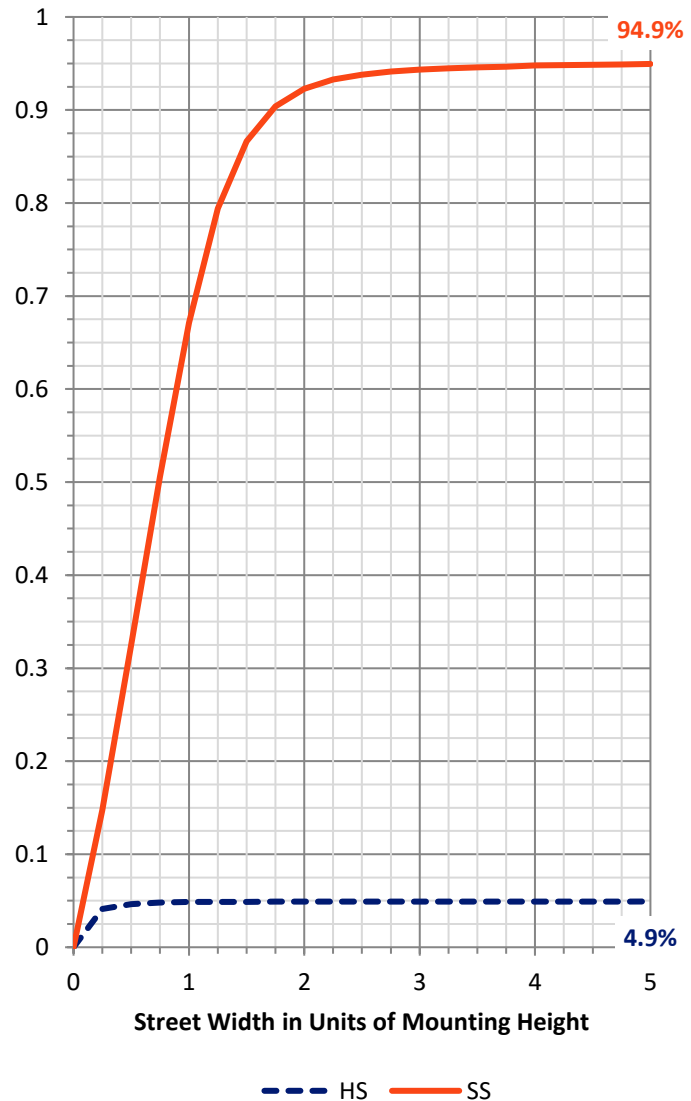
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	98.6	0.0	98.6
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	1893.4	0.0	1893.4
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	1992.0	0.0	1992.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	27.1	1.4
20°-30°	108.2	5.4
30°-40°	275.1	13.8
40°-50°	450.5	22.6
50°-60°	508.0	25.5
60°-70°	438.1	22.0
70°-80°	176.2	8.8
80°-90°	6.9	0.3
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°	1992.0	100.0
0°-180°	1992.0	100.0

**Coefficient of Utilization**



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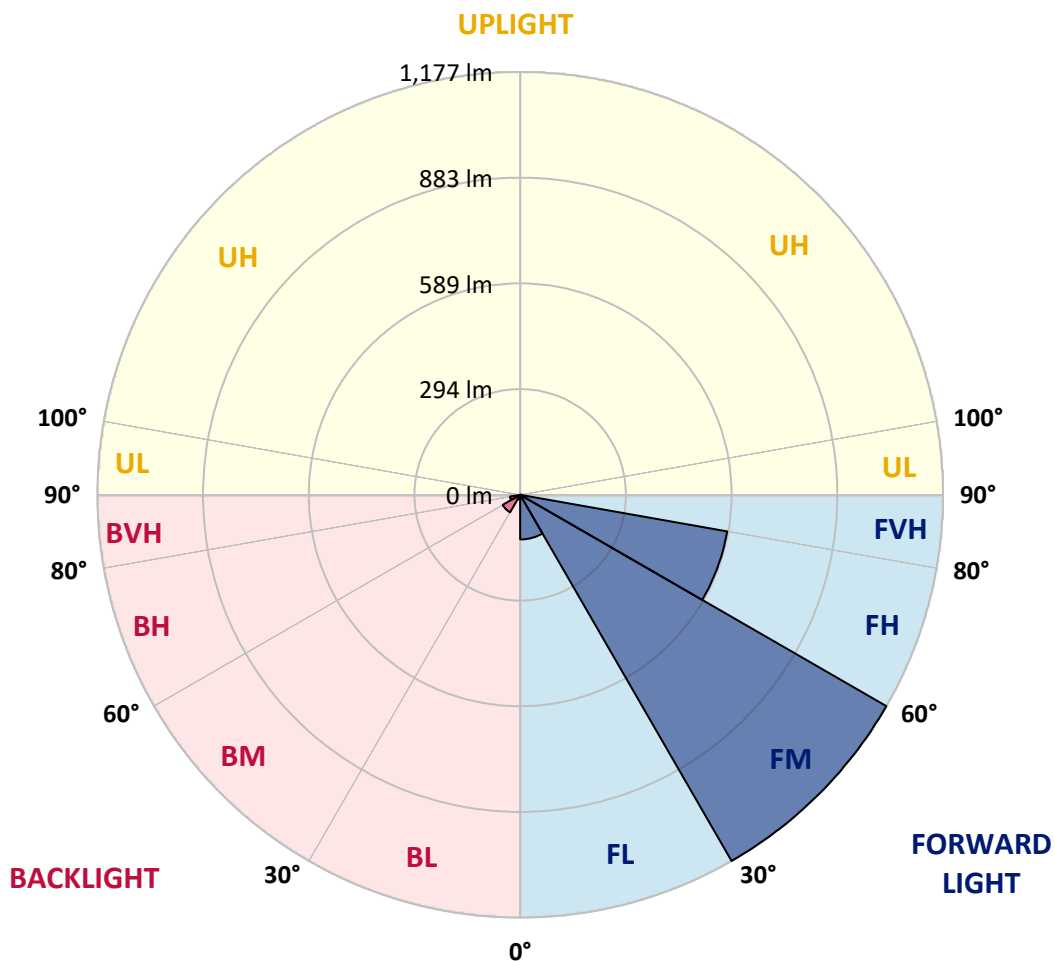
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.2	6.2			
FM (30°-60°)	1177.5	59.1			
FH (60°-80°)	585.4	29.4			G0/660
FVH (80°-90°)	6.2	0.3			G0/10
BL (0°-30°)	12.9	0.6	B0/110		
BM (30°-60°)	56.2	2.8	B0/220		
BH (60°-80°)	28.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G0**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.3	0.3	0.5	0.5	1.1	1.1	0.8	0.8	0.8	0.8	0.8
5°	83.4	65.3	46.4	13.4	5.2	2.5	1.1	0.8	0.8	0.8	0.5
7.5°	93.0	92.2	91.1	90.6	88.9	86.2	6.0	1.1	0.8	0.8	0.8
10°	99.6	98.0	97.7	97.4	96.3	94.1	90.0	5.2	0.8	0.8	0.8
12.5°	200.1	199.2	195.9	114.7	103.2	101.0	97.4	70.0	5.5	46.1	49.9
15°	197.6	197.0	199.2	203.6	207.7	110.9	158.3	199.8	122.7	117.5	122.4
17.5°	204.4	204.2	200.6	204.2	210.5	245.6	226.1	217.9	136.1	142.1	130.6
20°	306.3	305.7	308.7	290.3	218.4	306.0	284.0	236.0	267.3	245.6	246.7
22.5°	321.6	322.7	321.9	328.2	379.2	316.1	353.5	366.9	371.3	325.2	280.7
25°	472.0	465.1	450.9	348.5	408.9	392.1	448.9	396.5	399.3	359.8	359.8
27.5°	528.8	528.8	517.0	503.6	433.9	503.6	472.5	520.8	568.0	530.7	450.6
30°	717.6	712.1	593.0	576.0	540.1	532.9	570.5	611.4	590.5	573.0	506.8
32.5°	853.2	853.7	823.5	731.3	642.1	594.4	660.8	674.5	787.3	807.9	687.1
35°	1088.6	1074.9	927.3	843.6	755.7	723.9	720.6	790.0	854.8	847.7	744.8
37.5°	1238.2	1228.6	1157.2	969.2	856.7	785.4	828.2	831.5	936.3	900.4	813.6
40°	1306.8	1302.4	1242.0	1082.3	945.4	869.4	883.1	893.8	1018.1	968.7	871.6
42.5°	1362.2	1358.1	1303.2	1139.1	1030.4	949.8	944.8	946.7	1084.2	1040.9	930.0
45°	1388.8	1386.4	1362.8	1189.3	1067.5	1001.9	1012.1	999.7	1141.9	1139.1	994.8
47.5°	1363.0	1364.4	1371.0	1233.8	1094.7	1043.1	1077.4	1057.6	1210.5	1239.3	1067.8
50°	1272.2	1271.7	1309.2	1240.4	1110.3	1076.0	1135.0	1112.2	1292.0	1341.9	1133.6
52.5°	992.6	1029.1	1165.2	1169.6	1106.7	1092.5	1178.4	1175.1	1368.8	1425.3	1199.5
55°	747.0	761.8	891.0	1014.5	1060.6	1090.5	1193.7	1217.3	1425.6	1486.2	1251.1
57.5°	587.0	582.0	652.8	817.8	944.3	1058.2	1190.2	1233.8	1481.0	1557.6	1319.1
60°	429.5	433.9	490.1	593.0	776.6	984.6	1179.2	1260.4	1568.8	1672.9	1420.4
62.5°	311.5	311.5	350.2	413.0	594.9	866.6	1155.3	1297.7	1706.3	1829.3	1540.9
65°	209.7	208.3	237.1	269.2	407.5	717.1	1091.1	1332.6	1838.1	1966.8	1644.3
67°	154.2	157.2	169.0	190.2	281.8	574.4	999.4	1325.7	1898.7	2034.8	1664.6
67.5°	144.3	145.7	161.9	180.6	259.9	536.5	973.4	1317.5	1905.3	2033.2	1654.2
70°	104.8	107.0	115.8	121.3	157.2	354.0	776.9	1188.0	1809.2	1914.1	1504.1
72.5°	56.3	60.9	84.2	83.7	97.7	216.0	528.3	881.7	1487.1	1558.1	1154.5
75°	43.9	44.5	50.2	62.0	63.1	120.2	254.1	512.3	940.7	945.9	641.0
77.5°	32.1	33.5	37.0	39.2	41.2	68.3	88.9	203.6	416.6	363.9	240.1
80°	21.7	22.5	24.4	29.1	33.8	38.7	28.8	54.3	98.0	76.0	35.9
82.5°	9.3	9.1	17.0	24.4	24.1	15.9	14.5	17.0	19.5	17.8	11.0
85°	0.5	0.8	8.8	11.8	10.2	6.9	9.1	7.1	7.4	7.1	5.5
87.5°	0.3	0.3	0.8	1.1	1.4	1.4	1.6	1.6	2.2	2.5	2.2
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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.8	0.8	0.8	0.8	0.8	0.3	0.3	0.0	0.0	0.0	0.0
5°	0.8	0.8	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0
7.5°	0.8	0.8	0.8	0.8	0.8	0.3	0.0	3.0	8.2	8.8	8.5
10°	0.8	0.8	0.8	0.8	0.5	7.1	9.9	9.3	9.1	8.8	8.8
12.5°	49.9	42.3	7.7	1.6	7.1	9.1	8.0	8.0	7.7	7.7	7.7
15°	109.2	91.7	43.1	14.5	11.3	7.7	7.1	7.1	11.8	12.9	12.6
17.5°	114.4	92.5	42.3	19.8	16.2	9.9	9.9	12.6	12.3	11.8	11.8
20°	217.6	142.7	48.8	19.5	14.8	15.6	11.8	11.0	10.4	9.9	9.9
22.5°	232.7	167.7	52.4	24.7	15.9	15.6	12.1	10.2	12.9	12.6	12.6
25°	300.5	202.5	47.5	23.1	20.6	14.3	12.9	11.3	11.0	10.4	10.4
27.5°	372.4	239.6	52.4	23.9	18.7	14.0	12.1	9.9	10.4	11.5	11.5
30°	408.3	239.8	41.4	24.4	17.8	14.3	10.7	11.0	10.4	10.2	9.9
32.5°	548.0	307.9	39.8	23.3	16.7	12.3	11.0	9.6	8.8	9.6	9.6
35°	572.7	297.2	34.6	23.6	15.1	11.3	9.3	8.8	8.8	8.5	8.5
37.5°	599.9	285.7	30.5	20.9	14.5	10.2	8.0	8.0	7.7	8.2	8.2
40°	629.8	273.6	27.2	18.1	12.3	8.5	7.1	6.9	7.1	7.1	6.9
42.5°	664.6	261.8	24.4	15.9	10.4	7.1	5.8	5.8	5.8	5.5	5.5
45°	702.0	252.5	22.5	13.7	8.8	6.0	4.7	4.4	4.1	4.1	4.1
47.5°	746.1	248.6	20.9	11.5	7.4	4.7	3.6	3.3	3.0	2.7	2.7
50°	783.2	247.0	18.4	9.6	6.3	3.8	2.5	2.2	1.9	1.6	1.6
52.5°	815.8	239.8	15.9	7.7	4.9	2.7	1.6	1.1	0.8	0.8	0.8
55°	848.2	233.3	13.7	6.6	3.6	1.6	0.8	0.3	0.3	0.5	0.5
57.5°	888.3	225.8	11.8	5.5	2.7	1.1	0.5	0.0	0.3	0.3	0.5
60°	951.1	218.2	10.4	4.7	1.9	0.8	0.3	0.0	0.0	0.3	0.3
62.5°	1007.4	204.7	9.1	4.1	1.6	0.8	0.3	0.0	0.0	0.0	0.3
65°	1031.8	177.0	8.0	3.6	1.6	0.8	0.3	0.0	0.0	0.0	0.0
67°	990.9	143.2	7.1	3.3	1.4	0.5	0.3	0.0	0.0	0.0	0.0
67.5°	971.7	133.6	7.1	3.0	1.4	0.5	0.3	0.3	0.0	0.0	0.0
70°	824.9	88.6	6.3	2.7	1.4	0.5	0.5	0.3	0.0	0.0	0.0
72.5°	633.1	51.6	5.5	2.5	1.4	0.5	0.5	0.3	0.3	0.0	0.0
75°	354.0	26.1	4.4	2.5	1.4	0.8	0.8	0.5	0.5	0.5	0.0
77.5°	113.3	14.3	3.3	2.2	1.4	0.8	0.8	0.5	0.8	0.8	0.3
80°	17.8	7.4	2.5	1.6	1.4	0.5	0.8	0.8	1.1	1.1	0.3
82.5°	6.6	4.1	1.9	1.6	1.4	0.5	0.8	0.8	1.1	1.4	0.0
85°	3.0	2.5	1.9	1.6	1.4	0.5	0.8	0.8	1.1	1.4	0.0
87.5°	1.4	1.9	1.6	1.6	1.4	0.5	0.8	0.8	1.1	1.1	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)