

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: P414156

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T2R-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414156  
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-PA1-20-727-U-T2R-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 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: 1830 lumens  
Efficiency: N/A  
Efficacy: 87.1 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

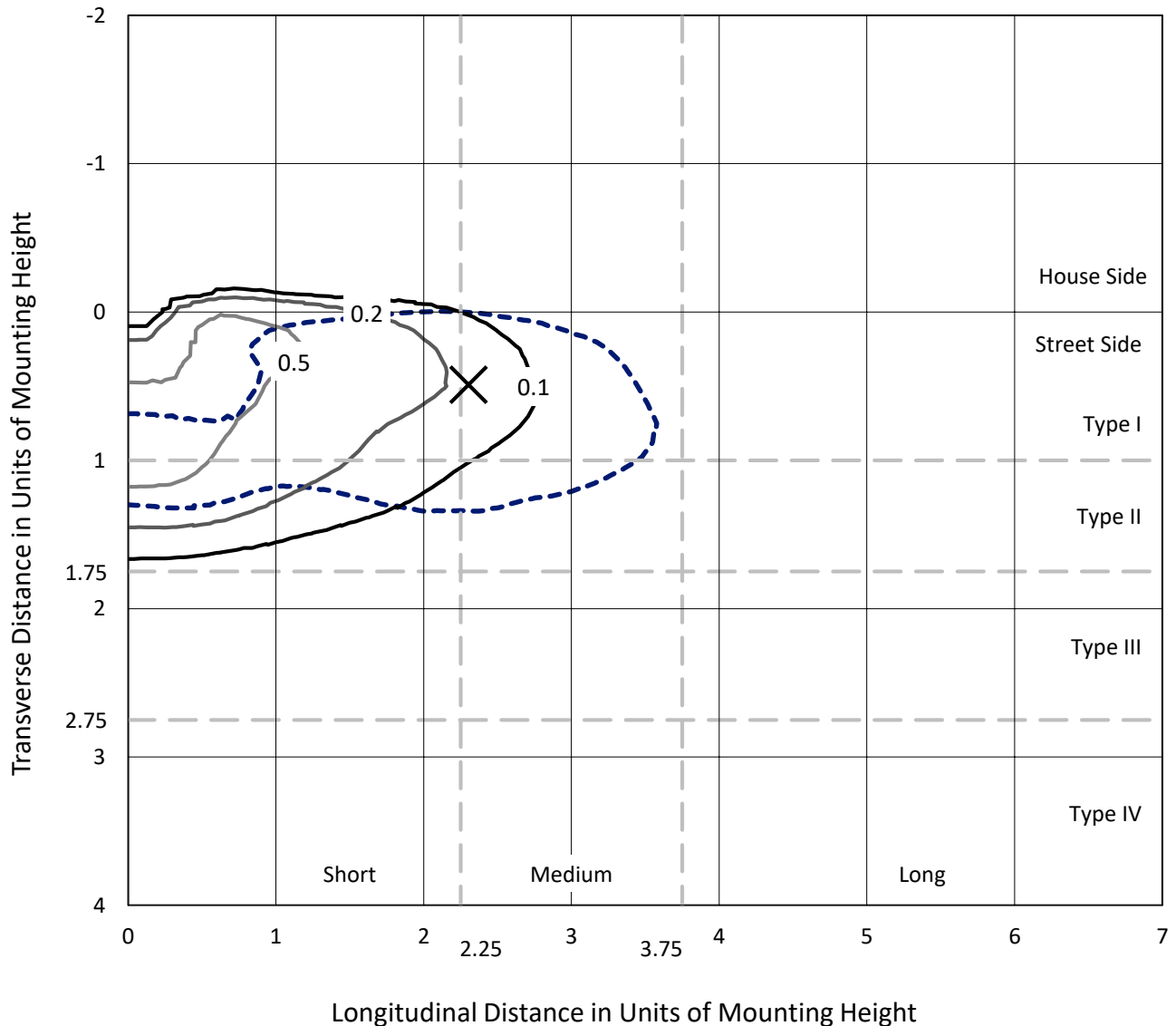
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

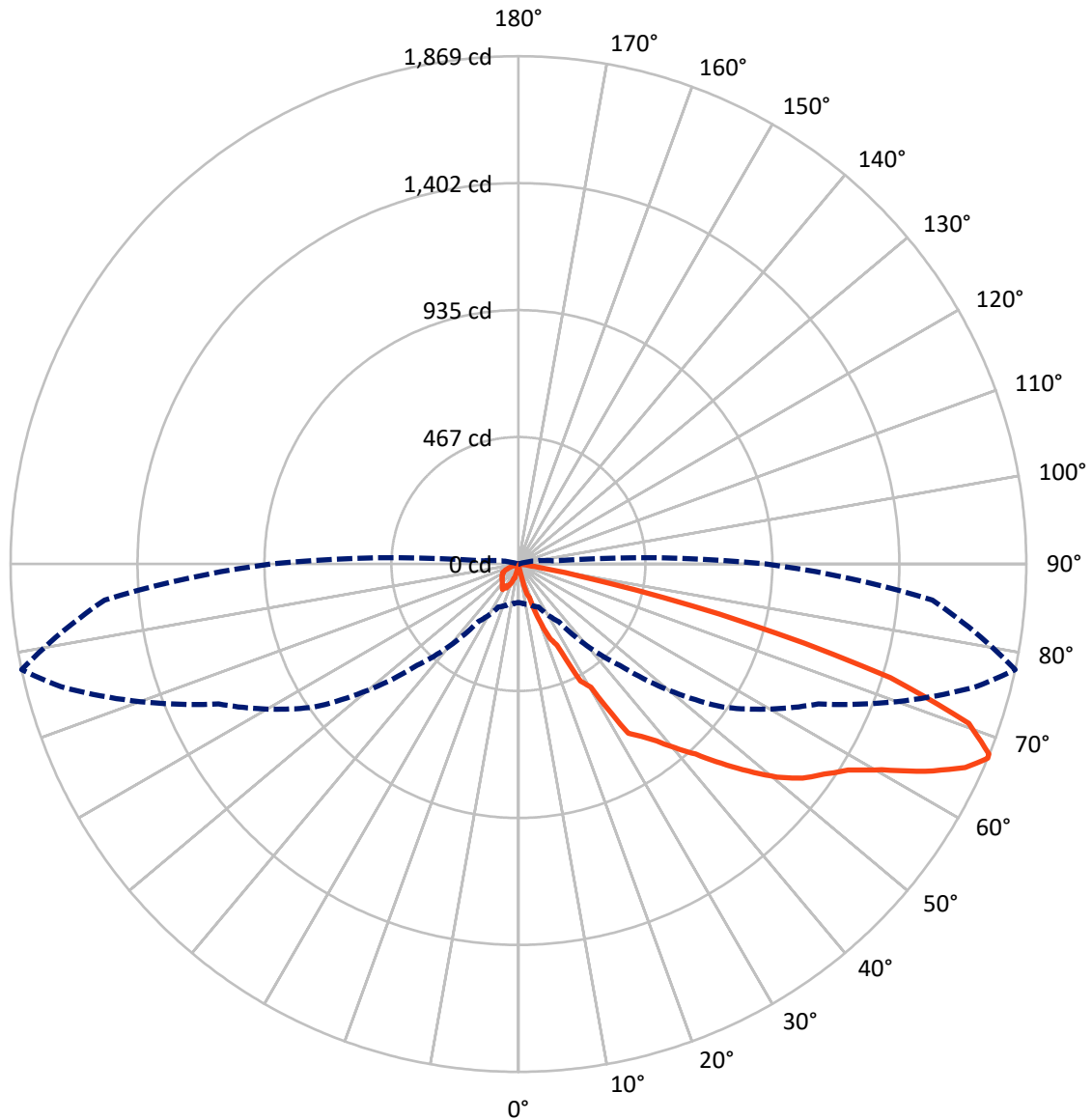
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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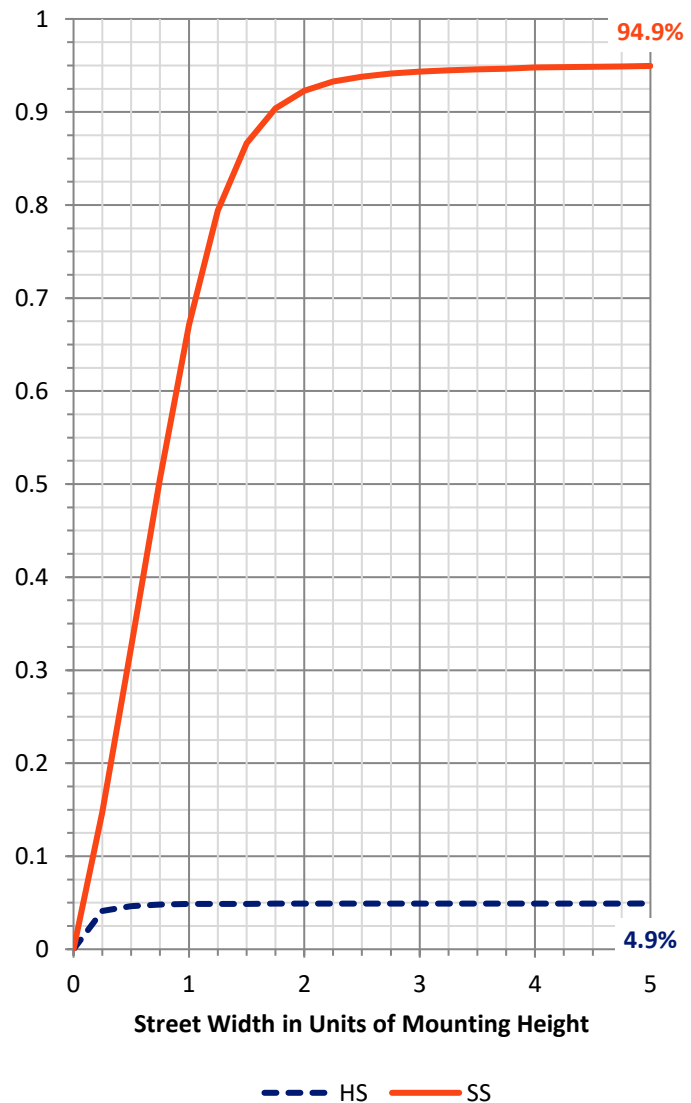
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	90.6	0.0	90.6
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	1739.4	0.0	1739.4
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	1830.0	0.0	1830.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.7	0.1
10°-20°	24.9	1.4
20°-30°	99.4	5.4
30°-40°	252.8	13.8
40°-50°	413.9	22.6
50°-60°	466.7	25.5
60°-70°	402.4	22.0
70°-80°	161.9	8.8
80°-90°	6.4	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°	1830.0	100.0
0°-180°	1830.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P414156

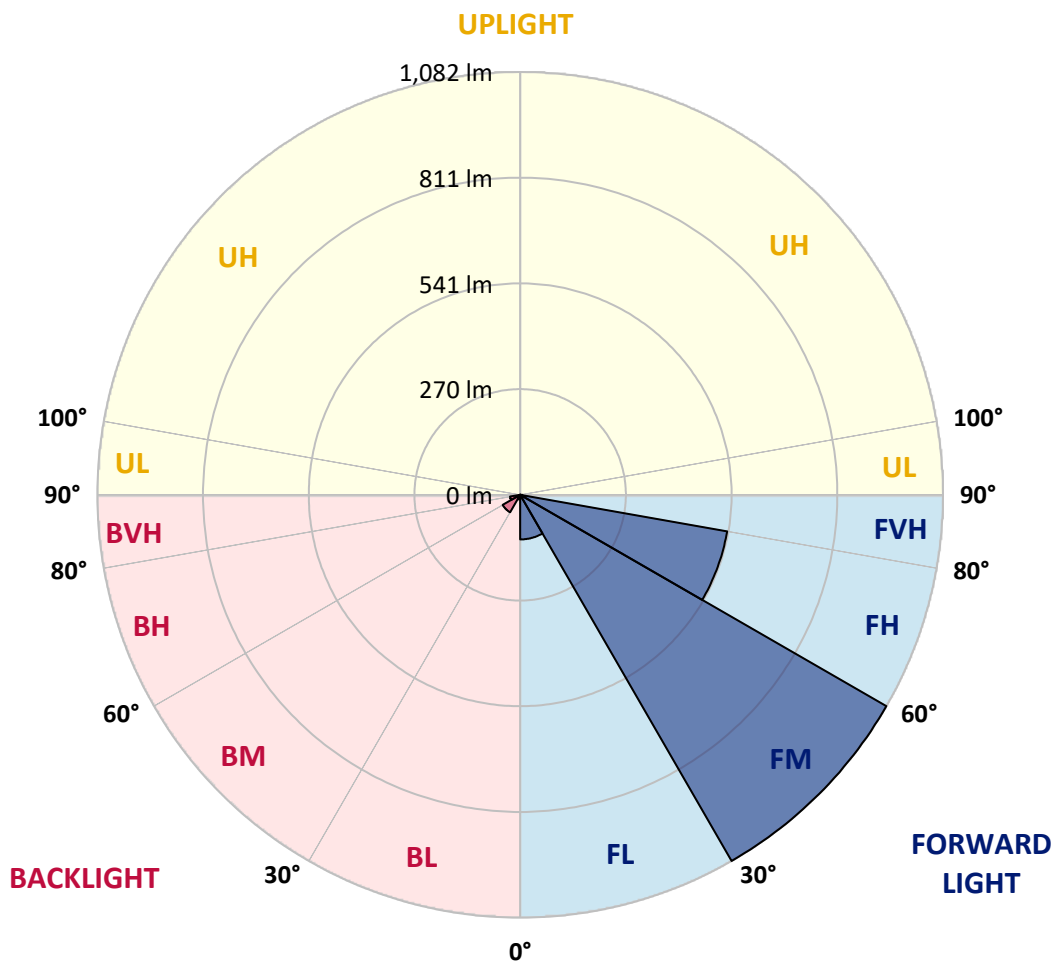
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.1	6.2			
FM (30°-60°)	1081.7	59.1			
FH (60°-80°)	537.8	29.4			G0/660
FVH (80°-90°)	5.7	0.3			G0/10
BL (0°-30°)	11.9	0.6	B0/110		
BM (30°-60°)	51.6	2.8	B0/220		
BH (60°-80°)	26.5	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	1.0	1.0	0.8	0.8	0.8	0.8	0.8
5°	76.6	60.0	42.6	12.4	4.8	2.3	1.0	0.8	0.8	0.8	0.5
7.5°	85.5	84.7	83.7	83.2	81.7	79.2	5.5	1.0	0.8	0.8	0.8
10°	91.5	90.0	89.7	89.5	88.5	86.5	82.7	4.8	0.8	0.8	0.8
12.5°	183.8	183.0	180.0	105.4	94.8	92.8	89.5	64.3	5.0	42.4	45.9
15°	181.5	181.0	183.0	187.1	190.8	101.8	145.5	183.5	112.7	107.9	112.4
17.5°	187.8	187.6	184.3	187.6	193.4	225.6	207.7	200.2	125.0	130.6	120.0
20°	281.3	280.8	283.6	266.7	200.7	281.1	260.9	216.8	245.5	225.6	226.6
22.5°	295.5	296.5	295.7	301.5	348.4	290.4	324.7	337.1	341.1	298.7	257.9
25°	433.6	427.3	414.2	320.2	375.6	360.3	412.4	364.3	366.8	330.5	330.5
27.5°	485.8	485.8	475.0	462.6	398.6	462.6	434.1	478.5	521.8	487.6	413.9
30°	659.2	654.2	544.8	529.2	496.1	489.6	524.1	561.7	542.5	526.4	465.6
32.5°	783.8	784.3	756.6	671.8	589.9	546.1	607.1	619.7	723.3	742.2	631.3
35°	1000.1	987.5	851.8	775.0	694.3	665.0	662.0	725.8	785.3	778.7	684.2
37.5°	1137.5	1128.7	1063.1	890.4	787.1	721.5	760.8	763.9	860.2	827.1	747.5
40°	1200.5	1196.5	1141.0	994.3	868.5	798.7	811.3	821.1	935.3	889.9	800.7
42.5°	1251.4	1247.6	1197.2	1046.5	946.6	872.5	868.0	869.7	996.1	956.2	854.4
45°	1275.9	1273.6	1251.9	1092.6	980.7	920.4	929.7	918.4	1049.0	1046.5	913.9
47.5°	1252.2	1253.4	1259.5	1133.4	1005.6	958.2	989.7	971.6	1112.0	1138.5	980.9
50°	1168.7	1168.2	1202.8	1139.5	1020.0	988.5	1042.7	1021.8	1186.9	1232.8	1041.4
52.5°	911.8	945.4	1070.4	1074.5	1016.7	1003.6	1082.5	1079.5	1257.5	1309.4	1101.9
55°	686.2	699.8	818.6	932.0	974.4	1001.8	1096.6	1118.3	1309.7	1365.4	1149.3
57.5°	539.2	534.7	599.7	751.3	867.5	972.1	1093.4	1133.4	1360.6	1430.9	1211.8
60°	394.5	398.6	450.3	544.8	713.4	904.5	1083.3	1157.9	1441.3	1536.8	1304.9
62.5°	286.1	286.1	321.7	379.4	546.6	796.1	1061.3	1192.2	1567.6	1680.5	1415.5
65°	192.6	191.3	217.8	247.3	374.4	658.7	1002.4	1224.2	1688.6	1806.8	1510.6
67°	141.7	144.5	155.3	174.7	258.9	527.6	918.2	1217.9	1744.3	1869.3	1529.2
67.5°	132.6	133.9	148.7	165.9	238.7	492.9	894.2	1210.3	1750.3	1867.8	1519.7
70°	96.3	98.3	106.4	111.4	144.5	325.2	713.7	1091.3	1662.1	1758.4	1381.8
72.5°	51.7	56.0	77.4	76.9	89.7	198.4	485.3	810.0	1366.1	1431.4	1060.6
75°	40.3	40.8	46.1	57.0	58.0	110.4	233.4	470.7	864.2	869.0	588.9
77.5°	29.5	30.8	34.0	36.1	37.8	62.8	81.7	187.1	382.7	334.3	220.6
80°	19.9	20.7	22.4	26.7	31.0	35.5	26.5	49.9	90.0	69.8	33.0
82.5°	8.6	8.3	15.6	22.4	22.2	14.6	13.4	15.6	17.9	16.4	10.1
85°	0.5	0.8	8.1	10.8	9.3	6.3	8.3	6.6	6.8	6.6	5.0
87.5°	0.3	0.3	0.8	1.0	1.3	1.3	1.5	1.5	2.0	2.3	2.0
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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CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-HSS

**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	2.8	7.6	8.1	7.8
10°	0.8	0.8	0.8	0.8	0.5	6.6	9.1	8.6	8.3	8.1	8.1
12.5°	45.9	38.8	7.1	1.5	6.6	8.3	7.3	7.3	7.1	7.1	7.1
15°	100.3	84.2	39.6	13.4	10.3	7.1	6.6	6.6	10.8	11.8	11.6
17.5°	105.1	85.0	38.8	18.2	14.9	9.1	9.1	11.6	11.3	10.8	10.8
20°	199.9	131.1	44.9	17.9	13.6	14.4	10.8	10.1	9.6	9.1	9.1
22.5°	213.8	154.0	48.2	22.7	14.6	14.4	11.1	9.3	11.8	11.6	11.6
25°	276.1	186.1	43.6	21.2	18.9	13.1	11.8	10.3	10.1	9.6	9.6
27.5°	342.1	220.1	48.2	21.9	17.1	12.9	11.1	9.1	9.6	10.6	10.6
30°	375.1	220.3	38.1	22.4	16.4	13.1	9.8	10.1	9.6	9.3	9.1
32.5°	503.4	282.9	36.6	21.4	15.4	11.3	10.1	8.8	8.1	8.8	8.8
35°	526.1	273.0	31.8	21.7	13.9	10.3	8.6	8.1	8.1	7.8	7.8
37.5°	551.1	262.4	28.0	19.2	13.4	9.3	7.3	7.3	7.1	7.6	7.6
40°	578.6	251.3	25.0	16.6	11.3	7.8	6.6	6.3	6.6	6.6	6.3
42.5°	610.6	240.5	22.4	14.6	9.6	6.6	5.3	5.3	5.3	5.0	5.0
45°	644.9	231.9	20.7	12.6	8.1	5.5	4.3	4.0	3.8	3.8	3.8
47.5°	685.5	228.4	19.2	10.6	6.8	4.3	3.3	3.0	2.8	2.5	2.5
50°	719.5	226.9	16.9	8.8	5.8	3.5	2.3	2.0	1.8	1.5	1.5
52.5°	749.5	220.3	14.6	7.1	4.5	2.5	1.5	1.0	0.8	0.8	0.8
55°	779.2	214.3	12.6	6.1	3.3	1.5	0.8	0.3	0.3	0.5	0.5
57.5°	816.1	207.5	10.8	5.0	2.5	1.0	0.5	0.0	0.3	0.3	0.5
60°	873.8	200.4	9.6	4.3	1.8	0.8	0.3	0.0	0.0	0.3	0.3
62.5°	925.5	188.1	8.3	3.8	1.5	0.8	0.3	0.0	0.0	0.0	0.3
65°	947.9	162.6	7.3	3.3	1.5	0.8	0.3	0.0	0.0	0.0	0.0
67°	910.3	131.6	6.6	3.0	1.3	0.5	0.3	0.0	0.0	0.0	0.0
67.5°	892.7	122.8	6.6	2.8	1.3	0.5	0.3	0.3	0.0	0.0	0.0
70°	757.8	81.4	5.8	2.5	1.3	0.5	0.5	0.3	0.0	0.0	0.0
72.5°	581.6	47.4	5.0	2.3	1.3	0.5	0.5	0.3	0.3	0.0	0.0
75°	325.2	23.9	4.0	2.3	1.3	0.8	0.8	0.5	0.5	0.5	0.0
77.5°	104.1	13.1	3.0	2.0	1.3	0.8	0.8	0.5	0.8	0.8	0.3
80°	16.4	6.8	2.3	1.5	1.3	0.5	0.8	0.8	1.0	1.0	0.3
82.5°	6.1	3.8	1.8	1.5	1.3	0.5	0.8	0.8	1.0	1.3	0.0
85°	2.8	2.3	1.8	1.5	1.3	0.5	0.8	0.8	1.0	1.3	0.0
87.5°	1.3	1.8	1.5	1.5	1.3	0.5	0.8	0.8	1.0	1.0	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)