

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: P414878

Luminaire Tested: **LXF.LXT-PA1-30-830-U-SL3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414878  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-830-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3090 lumens  
Efficiency: N/A  
Efficacy: 99.7 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G1

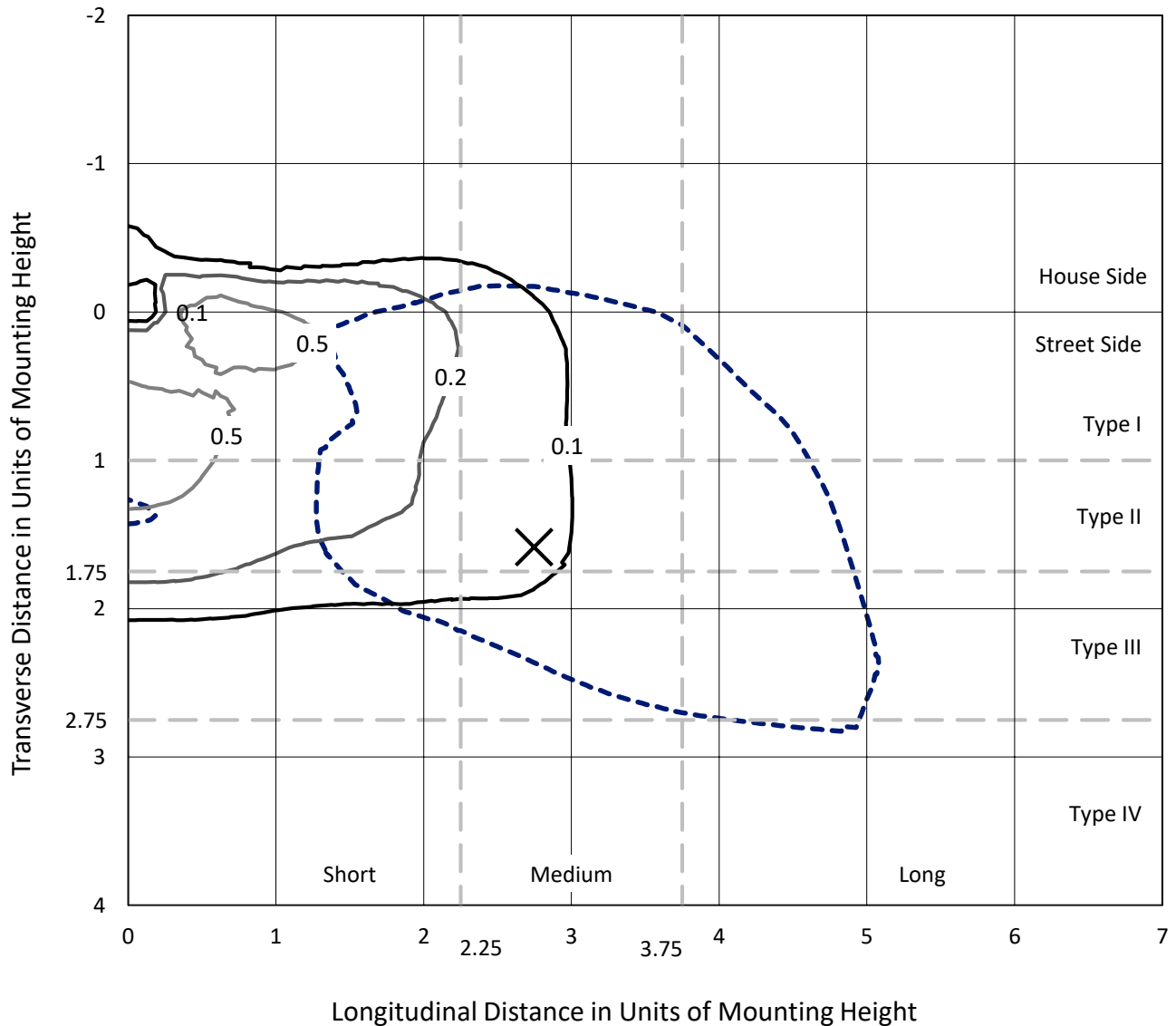
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

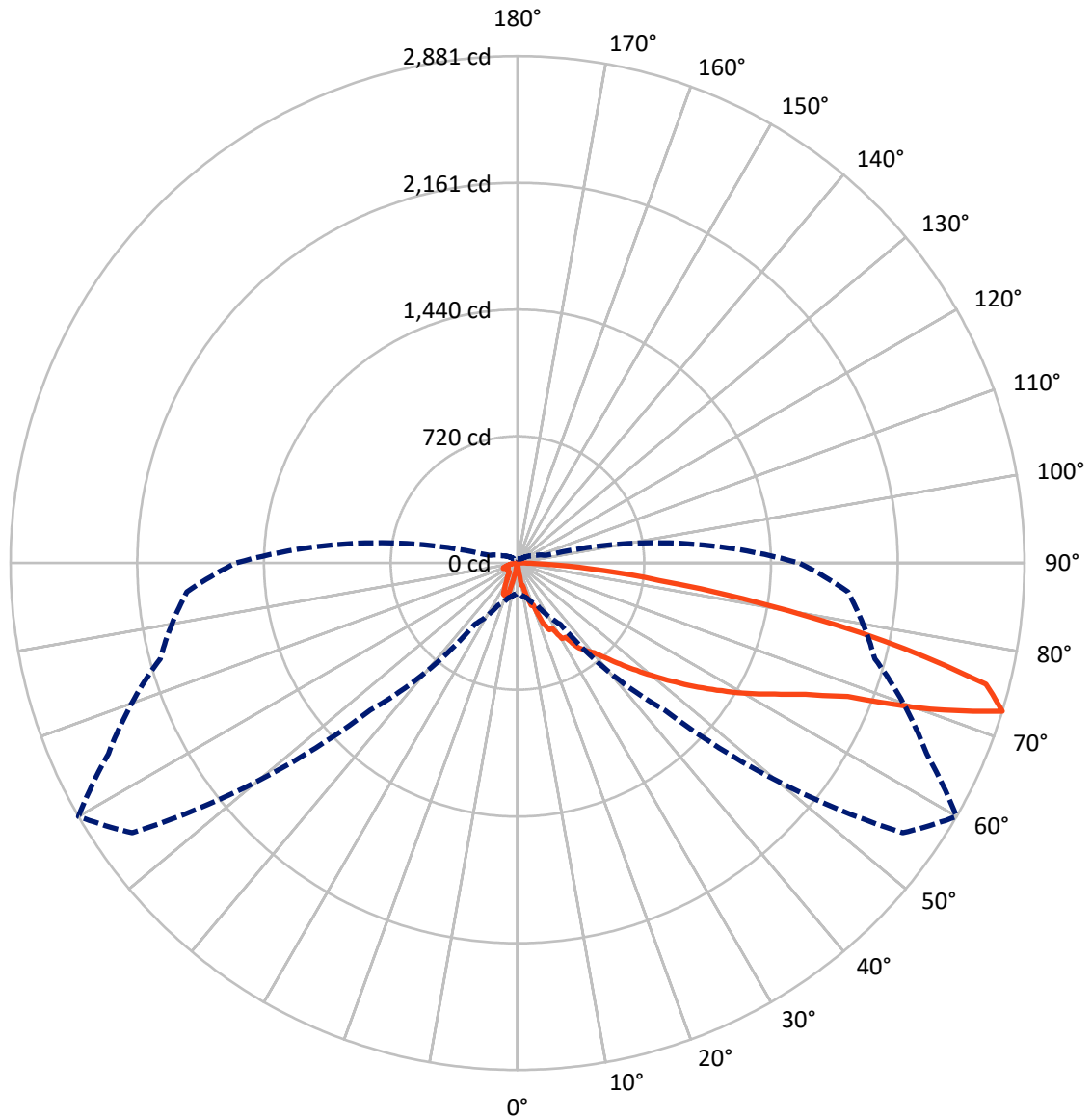


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type III - Medium - Non-Cutoff

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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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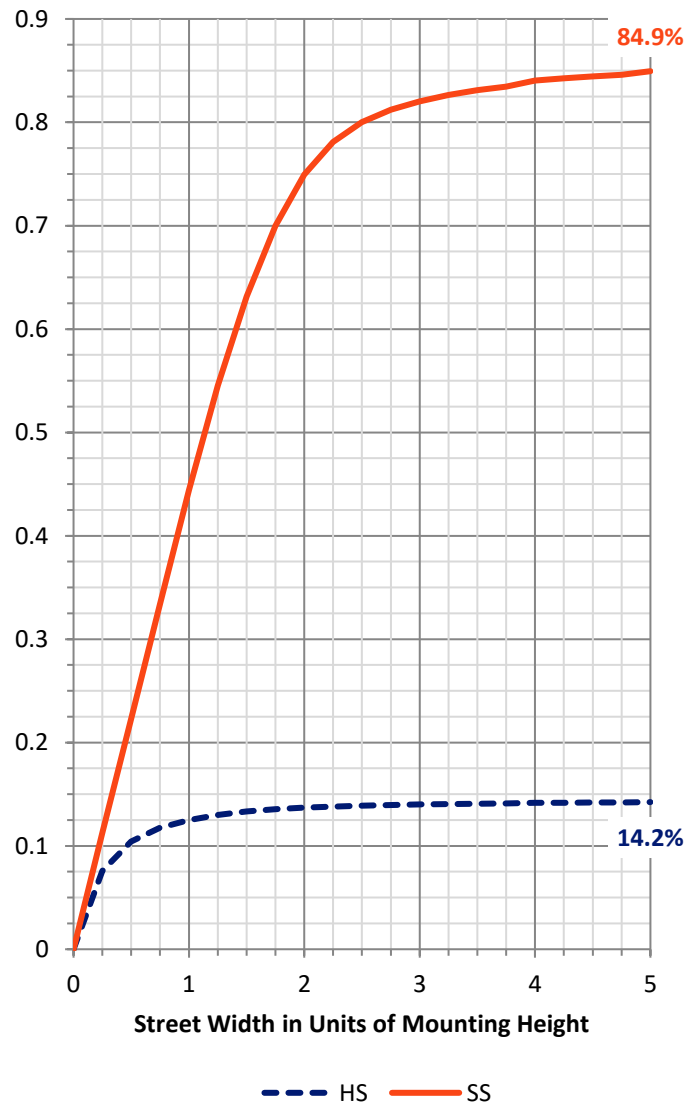
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	445.0	0.0	445.0
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	2645.0	0.0	2645.0
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	3090.0	0.0	3090.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	45.1	1.5
20°-30°	135.7	4.4
30°-40°	268.3	8.7
40°-50°	444.4	14.4
50°-60°	663.9	21.5
60°-70°	789.8	25.6
70°-80°	632.3	20.5
80°-90°	107.3	3.5
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°	3090.0	100.0
0°-180°	3090.0	100.0

**Coefficient of Utilization**



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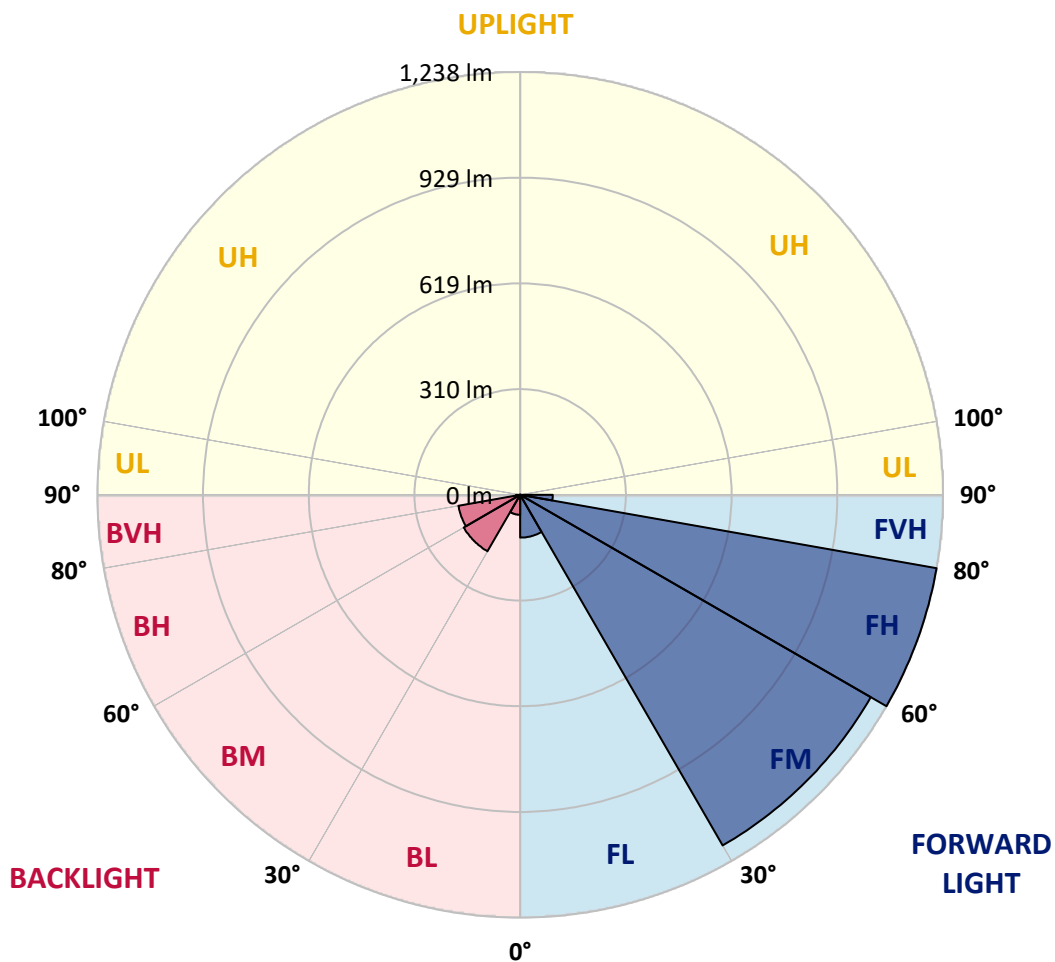
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.4	4.1			
FM	(30°-60°)	1185.7	38.4			
FH	(60°-80°)	1238.4	40.1			G1/1800
FVH	(80°-90°)	95.5	3.1			G1/100
BL	(0°-30°)	58.6	1.9	B0/110		
BM	(30°-60°)	190.9	6.2	B0/220		
BH	(60°-80°)	183.7	5.9	B1/500		G1/500
BVH	(80°-90°)	11.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.7	1.7	2.0	2.4	2.4	2.0	1.7	1.7	1.7	1.3	1.7
5°	115.5	58.2	39.0	18.5	13.8	6.7	2.7	2.0	2.0	1.7	1.7
7.5°	132.6	132.6	133.0	134.3	135.3	136.0	16.8	8.8	3.4	1.7	1.7
10°	127.9	126.9	127.6	128.9	130.3	132.3	134.7	127.9	15.1	2.7	2.0
12.5°	236.3	235.6	227.6	138.7	128.6	128.6	132.0	132.3	104.0	10.1	9.8
15°	227.9	227.6	228.6	230.9	234.6	133.0	135.0	196.6	256.2	180.4	209.7
17.5°	234.3	231.6	225.5	224.2	227.6	213.8	251.5	254.5	260.2	207.4	212.4
20°	321.5	320.5	320.5	270.0	222.5	311.0	295.2	254.8	261.6	299.9	375.7
22.5°	320.5	318.8	316.4	316.1	362.5	302.6	307.3	368.6	383.4	439.6	424.5
25°	435.6	431.2	365.2	318.5	360.2	339.0	410.7	421.5	389.8	456.1	434.3
27.5°	473.0	464.5	443.7	406.6	362.9	412.0	410.0	418.8	429.9	623.4	596.8
30°	642.3	602.6	490.8	472.3	433.9	417.1	467.2	497.9	543.0	610.6	621.8
32.5°	718.7	704.2	649.7	581.4	507.0	450.4	511.0	503.3	547.0	742.3	797.1
35°	883.7	865.8	716.3	654.7	589.4	552.1	525.5	587.8	641.6	771.9	812.3
37.5°	916.0	911.9	877.3	766.8	679.3	606.9	615.0	631.9	666.9	813.3	855.0
40°	941.2	941.6	951.7	856.4	762.1	695.1	670.9	671.2	701.2	881.3	909.9
42.5°	1007.9	1010.6	1037.8	936.2	862.4	798.1	756.1	737.6	760.4	959.4	977.2
45°	1128.0	1122.0	1145.2	1018.3	937.8	882.6	849.0	820.7	832.8	1042.5	1063.1
47.5°	1279.2	1266.4	1258.7	1120.6	1020.0	972.5	941.2	911.6	915.3	1122.0	1161.4
50°	1396.0	1389.6	1349.5	1198.1	1090.7	1063.1	1049.9	1013.3	997.4	1210.5	1273.8
52.5°	1445.8	1439.8	1390.3	1256.6	1146.6	1149.6	1172.5	1124.7	1080.2	1306.5	1380.9
55°	1437.1	1432.0	1399.4	1285.6	1187.0	1233.1	1293.0	1245.2	1187.6	1397.0	1489.9
57.5°	1372.4	1374.8	1374.5	1287.6	1217.9	1311.5	1410.8	1369.7	1301.4	1486.9	1578.5
60°	1229.7	1242.2	1288.6	1273.1	1257.3	1385.6	1525.3	1506.1	1433.7	1585.5	1660.3
62.5°	985.0	1009.6	1111.2	1194.0	1289.0	1489.2	1637.0	1639.4	1570.7	1661.9	1723.5
65°	664.5	662.5	814.0	1019.3	1251.6	1652.2	1804.0	1799.3	1697.6	1749.1	1816.8
67.5°	369.3	377.4	476.7	674.6	1107.8	1753.2	2124.5	2023.5	1872.7	1882.1	1947.7
70°	228.6	238.3	271.7	377.0	709.3	1635.3	2536.2	2489.0	2196.2	2058.5	2000.6
72.5°	173.7	179.1	206.0	267.3	426.8	1182.9	2672.8	2880.9	2565.1	2101.9	1885.5
75°	103.7	110.1	146.8	230.9	355.8	612.3	2317.4	2748.9	2682.3	2074.3	1645.4
77.5°	64.6	66.3	79.1	161.2	327.9	385.4	1587.5	2129.2	2186.1	1756.9	1162.7
80°	49.5	49.8	54.5	85.8	264.9	364.9	919.3	1421.9	1393.6	938.2	456.8
82.5°	31.3	33.3	42.4	52.5	125.9	355.8	543.3	809.6	712.6	253.8	127.2
85°	15.8	17.8	30.0	36.0	60.9	385.4	385.4	415.1	291.9	85.2	48.1
87.5°	2.7	2.7	4.0	9.4	12.1	65.3	107.7	93.9	61.9	11.4	9.4
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.7	1.7	1.7	1.3	1.0	0.7	0.3	0.3	0.3	0.7	0.7
5°	1.7	1.7	1.7	1.3	1.0	0.7	0.3	0.3	0.7	1.0	1.0
7.5°	1.7	1.7	1.7	1.3	1.0	1.0	0.7	1.3	3.0	39.4	26.6
10°	2.0	2.0	2.0	1.7	1.3	3.7	115.1	121.5	121.9	121.2	119.8
12.5°	10.8	11.8	8.8	3.0	12.5	115.5	110.8	105.4	103.3	101.0	101.0
15°	212.7	210.1	198.3	146.1	89.5	103.0	92.6	85.5	132.6	130.9	132.3
17.5°	213.4	208.7	191.9	209.0	193.9	92.6	105.0	114.1	107.7	105.4	106.4
20°	405.0	383.1	194.6	194.9	166.3	164.3	89.2	84.2	85.2	87.2	87.9
22.5°	412.4	387.1	298.6	252.5	142.7	131.6	91.2	73.0	108.1	120.2	121.5
25°	415.7	384.1	282.1	223.5	161.2	98.6	88.2	80.1	98.6	110.8	111.4
27.5°	587.8	532.5	385.4	189.9	124.6	86.5	82.5	75.4	88.5	109.7	110.1
30°	582.7	517.7	357.2	183.8	96.3	79.8	71.4	78.8	83.5	89.2	89.2
32.5°	757.8	664.5	396.2	148.1	80.8	66.3	67.3	71.7	72.0	85.2	86.2
35°	758.1	650.0	341.3	135.3	69.3	60.6	61.6	66.3	73.4	81.8	83.1
37.5°	769.9	643.6	294.2	105.4	69.3	60.6	58.6	63.3	68.3	80.1	81.5
40°	794.8	646.3	249.4	87.5	67.0	59.6	57.9	61.6	67.7	74.4	75.1
42.5°	837.2	661.5	207.0	79.1	65.3	59.6	55.5	58.2	61.6	75.4	76.8
45°	904.5	693.8	174.4	75.7	64.6	57.2	52.9	53.5	55.9	89.2	92.9
47.5°	983.3	738.6	146.1	74.1	63.6	54.9	48.8	49.5	54.9	101.3	106.4
50°	1074.2	804.9	129.3	73.7	62.6	51.5	45.8	49.5	60.6	101.0	103.3
52.5°	1180.9	872.2	120.2	75.1	61.9	48.5	47.5	55.5	57.6	81.1	81.1
55°	1276.8	946.9	120.8	76.1	59.9	48.5	48.8	47.1	45.4	55.9	56.2
57.5°	1371.1	1021.3	132.0	74.1	56.9	48.8	42.1	38.7	39.4	47.5	48.5
60°	1452.9	1093.0	165.3	69.7	54.2	44.1	39.0	36.4	37.0	47.8	48.8
62.5°	1541.1	1180.6	228.9	71.4	53.9	41.7	36.4	33.3	34.7	39.7	40.4
65°	1660.3	1302.8	286.1	84.2	55.9	40.4	33.3	31.6	32.0	32.3	32.3
67.5°	1777.1	1378.2	276.0	99.3	62.6	39.7	31.6	29.6	29.3	29.3	29.3
70°	1765.6	1296.4	218.8	105.4	68.0	39.7	30.3	27.6	26.9	26.9	26.9
72.5°	1600.3	1108.9	168.0	97.6	62.6	38.0	28.3	25.2	24.2	24.2	24.2
75°	1361.7	889.4	141.0	84.8	51.2	32.7	24.9	22.6	21.9	21.9	21.5
77.5°	869.8	525.8	119.8	69.0	39.4	26.6	21.5	19.5	19.5	19.5	18.5
80°	349.1	231.3	93.2	54.5	30.6	21.2	17.8	16.8	16.5	16.2	15.1
82.5°	132.6	114.1	60.6	39.7	23.6	16.2	14.5	13.5	13.5	13.1	11.4
85°	47.5	44.4	27.9	22.9	14.5	10.1	11.1	10.1	9.8	8.8	7.4
87.5°	10.1	11.1	7.7	5.0	5.0	3.0	3.7	4.0	4.0	3.7	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

(END OF REPORT)