

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: P414511

Luminaire Tested: **LXF.LXT-PA1-30-722-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414511  
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-PA1-30-722-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2200K, 375mA 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: 2394 lumens  
Efficiency: N/A  
Efficacy: 77.2 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

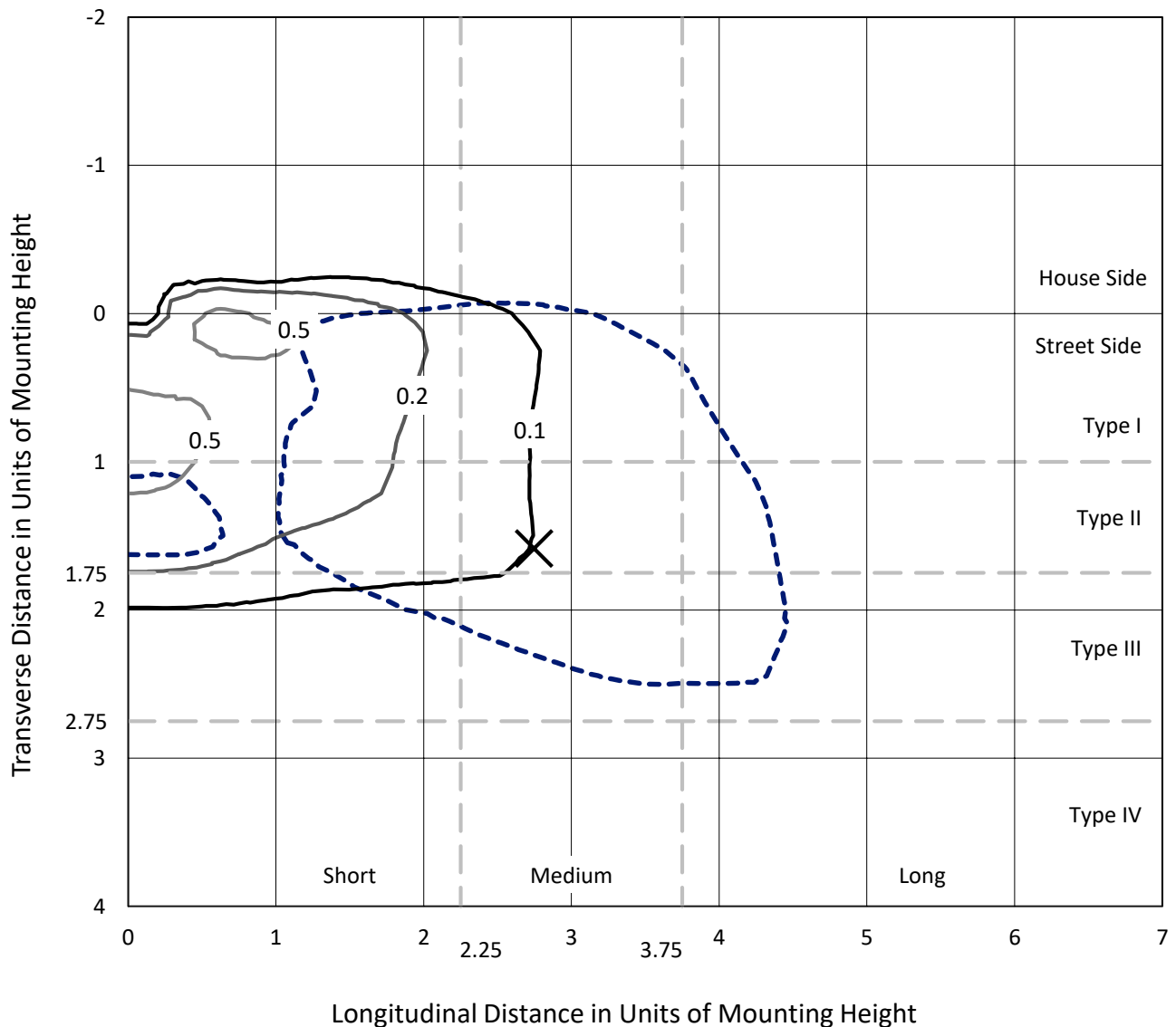
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

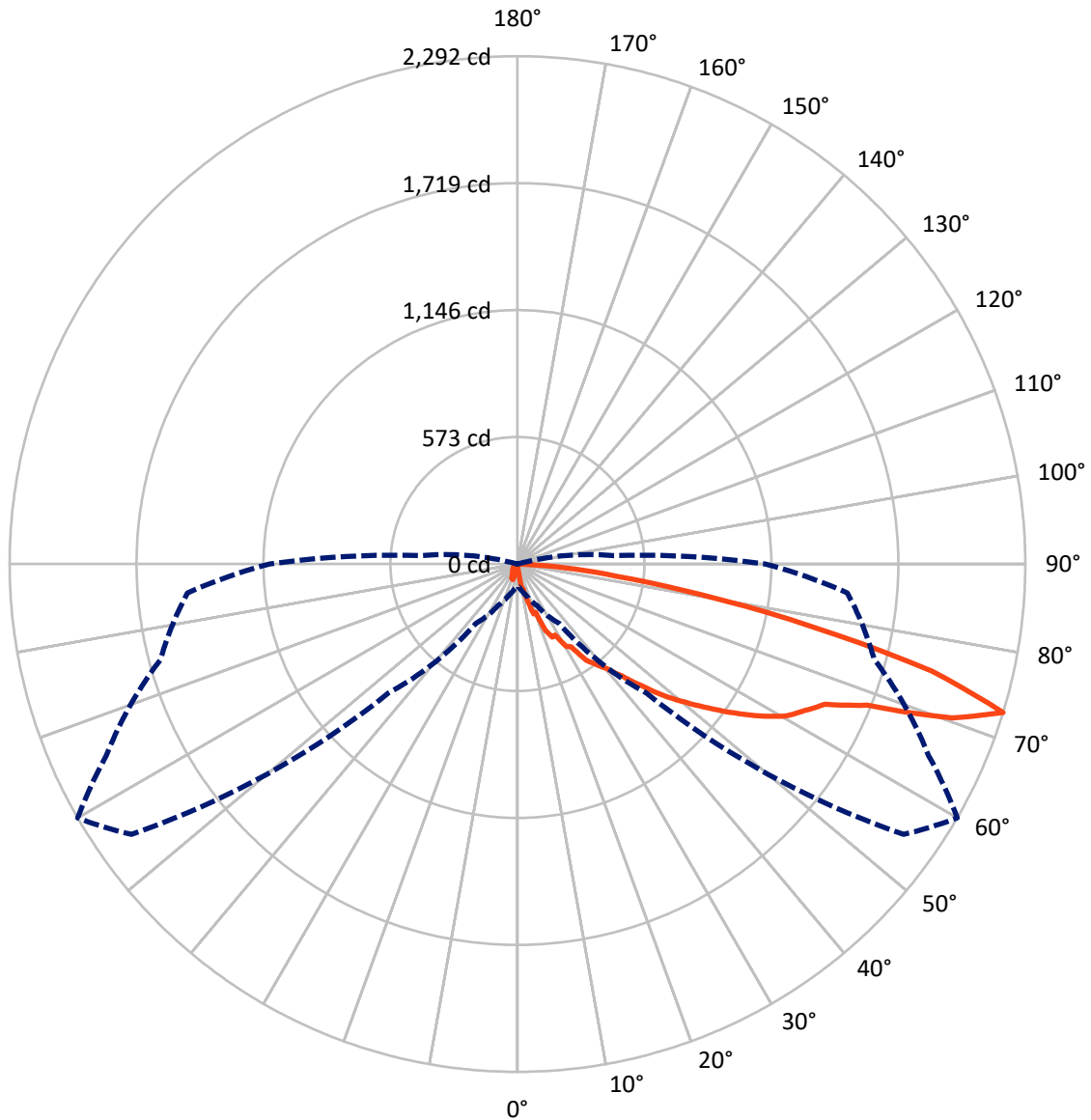
× Max cd  
 - - - 1/2 Max cd



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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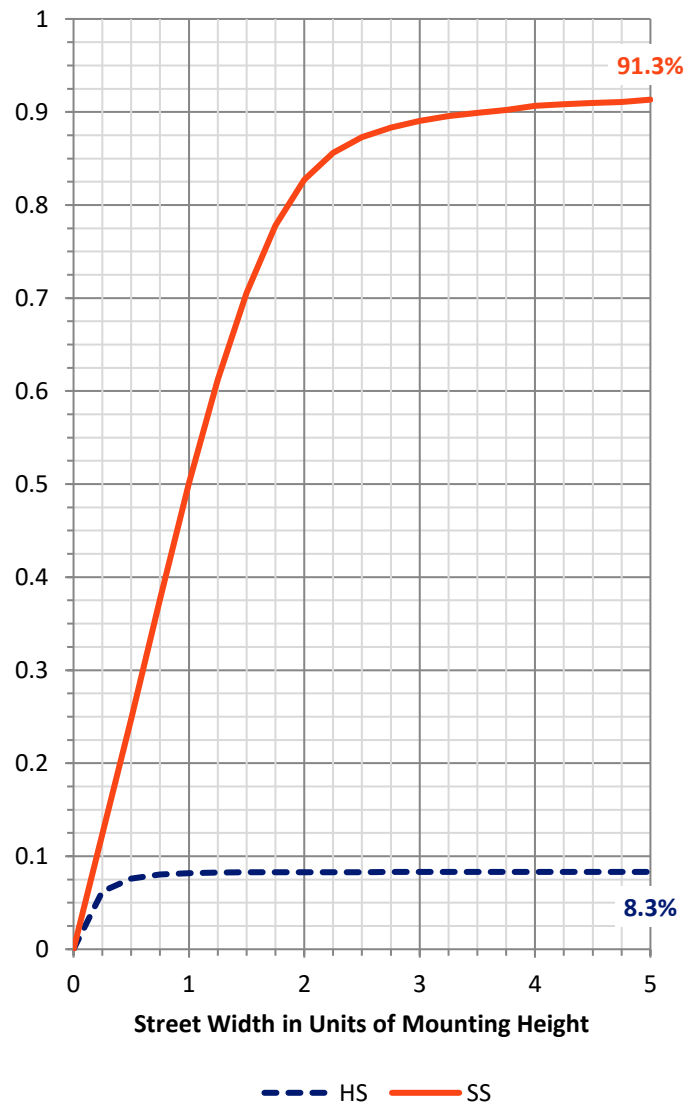
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	200.8	0.0	200.8
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	2193.2	0.0	2193.2
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	2394.0	0.0	2394.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	33.3	1.4
20°-30°	104.3	4.4
30°-40°	224.8	9.4
40°-50°	382.2	16.0
50°-60°	565.1	23.6
60°-70°	614.7	25.7
70°-80°	418.9	17.5
80°-90°	47.5	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°	2394.0	100.0
0°-180°	2394.0	100.0



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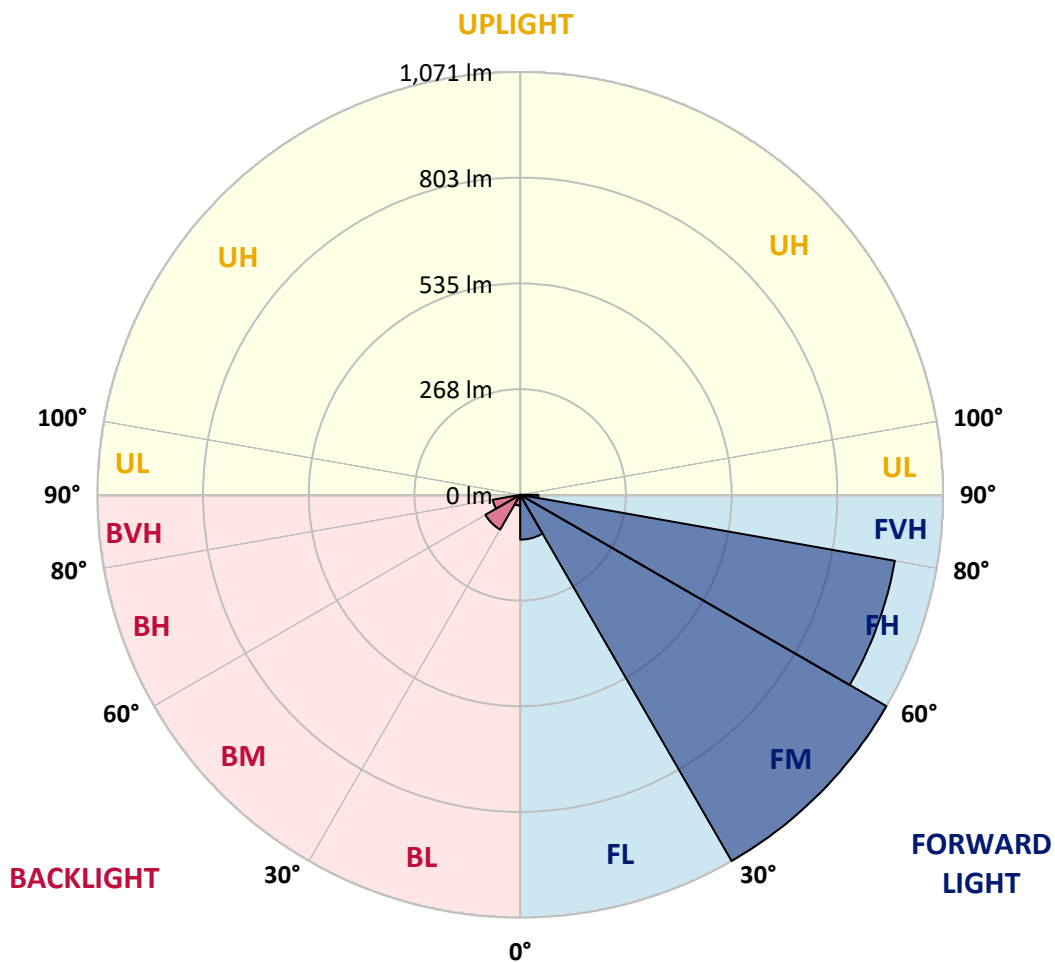
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.4	4.7			
FM	(30°-60°)	1070.5	44.7			
FH	(60°-80°)	963.2	40.2			G1/1800
FVH	(80°-90°)	46.1	1.9			G1/100
BL	(0°-30°)	27.4	1.1	B0/110		
BM	(30°-60°)	101.5	4.2	B0/220		
BH	(60°-80°)	70.4	2.9	B0/110		G0/110
BVH	(80°-90°)	1.4	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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	2.2	1.6	1.6	1.2	0.9	0.9	0.9	1.2	1.2	0.9	1.2
5°	122.5	120.9	120.9	121.5	78.9	13.4	7.5	3.1	1.2	1.2	1.2
7.5°	116.2	115.0	115.6	117.2	118.1	119.7	119.7	36.7	11.8	1.2	1.2
10°	119.0	118.1	113.1	112.2	114.1	115.6	116.2	119.0	115.6	3.4	1.2
12.5°	209.5	207.9	207.9	210.7	122.5	111.9	113.1	115.9	100.1	13.1	7.1
15°	200.5	199.2	199.5	203.0	207.6	147.3	116.2	172.2	221.0	199.5	158.5
17.5°	279.7	240.9	208.2	198.3	199.2	205.8	225.3	236.8	224.7	227.2	172.8
20°	285.6	283.5	282.2	284.4	203.9	271.3	286.6	232.5	226.3	243.4	318.9
22.5°	295.6	290.6	280.7	279.4	313.9	267.3	277.5	325.1	333.8	356.5	331.9
25°	400.3	396.6	386.3	294.0	322.0	307.1	350.0	365.8	360.5	375.4	359.9
27.5°	439.8	432.6	410.6	381.7	341.9	362.1	354.0	362.7	398.1	517.2	507.5
30°	616.3	597.4	536.4	439.5	406.5	377.0	411.8	430.1	460.0	529.3	520.3
32.5°	669.8	649.6	605.4	559.4	481.7	427.4	453.1	445.1	466.5	645.8	683.1
35°	825.5	816.2	736.6	608.9	589.0	504.1	475.8	531.5	563.2	654.9	717.9
37.5°	827.4	828.0	823.3	736.9	645.8	566.6	571.9	574.0	598.6	697.7	758.4
40°	853.8	858.1	869.6	804.4	727.6	657.0	643.0	621.3	643.0	745.9	813.7
42.5°	909.1	912.2	937.7	869.6	792.2	727.6	734.7	690.3	706.1	837.0	888.9
45°	1006.4	1004.5	1036.5	938.3	852.5	808.1	816.2	782.0	772.3	911.6	977.2
47.5°	1116.4	1123.2	1122.0	1014.1	912.5	883.0	906.3	888.0	850.0	1006.7	1080.0
50°	1220.5	1218.3	1186.0	1057.0	966.0	956.3	1010.1	980.0	945.5	1103.3	1179.2
52.5°	1258.4	1260.3	1221.8	1082.8	1011.7	1029.1	1109.6	1079.1	1034.3	1172.3	1277.7
55°	1251.6	1254.1	1232.3	1109.2	1045.8	1097.1	1212.7	1186.6	1136.3	1247.2	1351.7
57.5°	1187.6	1187.6	1205.3	1125.7	1079.1	1158.0	1304.7	1294.2	1232.0	1309.4	1395.8
60°	1024.1	1041.5	1097.1	1105.8	1118.3	1223.9	1395.8	1392.4	1316.9	1367.5	1421.9
62.5°	787.6	793.2	916.2	1009.5	1121.4	1312.5	1472.6	1456.1	1379.6	1385.2	1440.3
65°	446.6	472.1	585.9	821.4	1057.7	1405.1	1596.0	1525.4	1434.7	1406.4	1507.7
67.5°	240.6	249.9	313.3	497.3	866.8	1415.4	1875.7	1701.3	1565.2	1517.6	1639.8
70°	155.4	165.3	199.5	273.2	543.6	1251.6	2138.9	2080.2	1834.7	1669.9	1660.0
72.5°	101.0	106.9	143.9	205.8	327.0	824.6	2126.8	2291.5	2047.6	1667.1	1494.3
75°	41.0	45.1	72.1	171.3	276.3	404.0	1631.7	1932.2	1922.3	1481.6	1156.5
77.5°	20.5	21.8	32.0	92.6	245.2	279.7	1032.5	1362.9	1368.5	1080.0	643.0
80°	13.4	13.1	18.3	43.5	167.2	254.5	577.5	837.3	782.9	409.6	180.3
82.5°	5.3	5.6	9.9	24.9	69.9	230.3	329.4	450.7	352.4	79.9	51.9
85°	0.9	0.9	3.1	13.4	22.1	105.4	212.6	218.2	144.8	25.2	26.1
87.5°	0.3	0.3	0.6	0.9	1.6	2.5	9.3	4.4	2.8	4.4	5.0
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.2	1.2	1.2	0.9	0.9	0.6	0.0	0.0	0.3	0.3	0.3
5°	1.2	1.2	1.2	0.9	0.9	0.3	0.0	0.0	0.3	0.3	0.3
7.5°	1.2	1.2	1.2	0.9	0.6	0.3	0.0	0.0	0.3	0.3	0.3
10°	1.2	1.2	1.2	0.9	0.6	0.3	9.0	57.5	59.4	59.7	59.1
12.5°	7.8	8.1	4.4	0.9	0.6	53.5	53.1	44.4	38.9	36.7	33.9
15°	168.8	160.4	132.7	78.3	43.2	43.8	32.3	23.9	19.3	18.0	17.4
17.5°	167.2	155.1	122.1	71.5	75.2	32.9	17.4	19.3	25.2	25.5	25.5
20°	314.2	275.7	119.3	79.9	50.7	28.6	22.7	23.9	23.9	24.2	23.9
22.5°	327.6	289.0	178.7	101.9	36.4	30.1	25.8	22.4	23.0	29.8	28.9
25°	330.4	283.5	165.7	79.9	35.1	30.1	28.3	27.4	30.8	30.8	31.1
27.5°	476.1	398.4	200.8	60.0	34.8	31.4	31.4	28.6	27.7	27.4	27.7
30°	475.2	384.8	171.3	50.7	33.6	31.1	28.3	25.5	30.8	31.1	31.1
32.5°	623.8	492.0	165.7	41.0	33.6	28.6	24.9	26.4	24.6	24.6	24.6
35°	632.5	479.6	130.5	42.6	29.8	26.1	24.2	20.5	21.8	22.1	21.4
37.5°	649.3	470.9	99.1	38.5	29.8	24.2	19.9	18.3	17.1	16.8	16.8
40°	679.4	471.5	76.5	35.4	28.0	22.1	17.7	14.9	15.5	15.5	15.2
42.5°	724.5	480.5	60.0	32.6	25.2	19.6	14.9	13.4	12.4	12.4	12.1
45°	784.2	499.8	49.1	30.5	23.0	16.8	12.1	10.9	9.9	9.9	9.6
47.5°	858.1	526.8	42.9	28.3	20.5	14.0	9.9	8.7	8.1	7.8	7.8
50°	937.1	559.1	39.5	26.4	17.7	11.2	8.1	6.8	6.2	6.2	5.9
52.5°	1018.8	596.1	36.7	25.2	15.2	9.3	6.2	5.0	4.7	4.4	4.7
55°	1085.0	618.5	34.8	24.9	12.7	7.5	4.7	3.7	3.4	3.1	3.1
57.5°	1128.5	630.6	32.3	23.0	10.3	5.6	3.4	2.5	2.2	2.2	2.2
60°	1162.7	637.5	29.2	18.3	8.1	4.0	2.2	1.6	1.6	1.6	1.6
62.5°	1189.7	642.1	24.6	14.3	6.2	2.8	1.6	0.9	0.9	0.9	0.9
65°	1269.9	669.5	19.0	10.9	4.7	1.9	0.9	0.6	0.3	0.6	0.6
67.5°	1367.5	681.0	14.0	7.8	3.4	1.2	0.6	0.3	0.3	0.3	0.6
70°	1329.0	593.3	10.3	5.6	2.5	0.9	0.6	0.3	0.3	0.3	0.6
72.5°	1116.7	433.6	7.5	4.0	1.9	0.9	0.6	0.3	0.3	0.6	0.6
75°	803.1	244.6	5.9	2.8	1.6	0.9	0.6	0.6	0.6	0.9	0.9
77.5°	377.9	91.1	5.9	2.5	1.6	0.9	0.6	0.6	0.9	1.2	0.6
80°	91.7	22.7	5.9	2.2	1.6	0.9	0.9	0.9	1.2	1.2	0.6
82.5°	30.8	9.6	4.4	1.9	1.6	0.9	0.9	1.2	1.2	1.6	0.9
85°	18.6	6.2	3.1	2.2	1.9	0.9	1.2	1.2	1.6	1.9	0.9
87.5°	3.1	2.5	2.2	2.2	1.9	1.2	1.2	1.6	1.6	1.9	1.2
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)