

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: P695160

Luminaire Tested: **LXF.LXT-PA16-40-750-U-SL3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695160  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-750-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4535 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

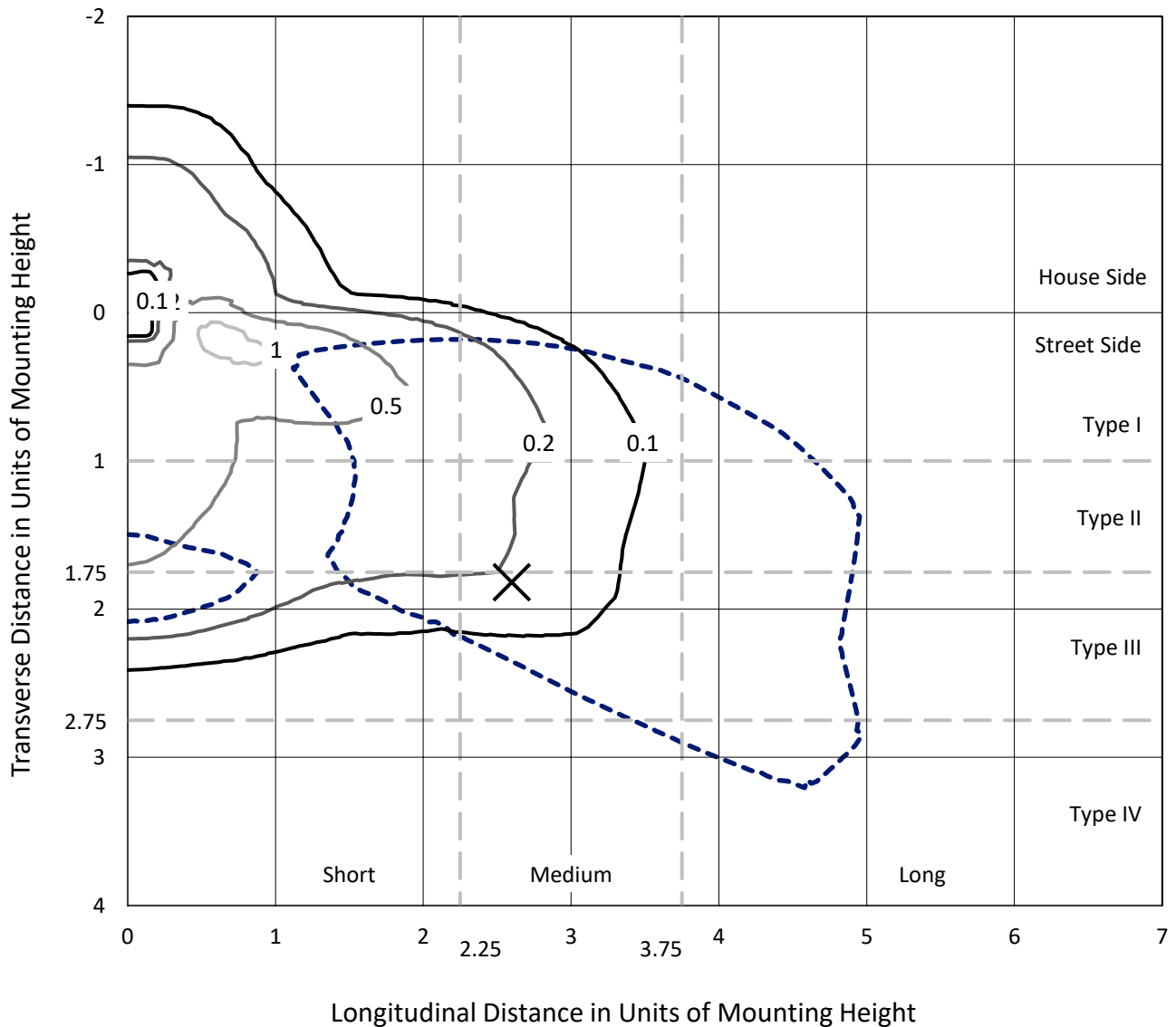
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

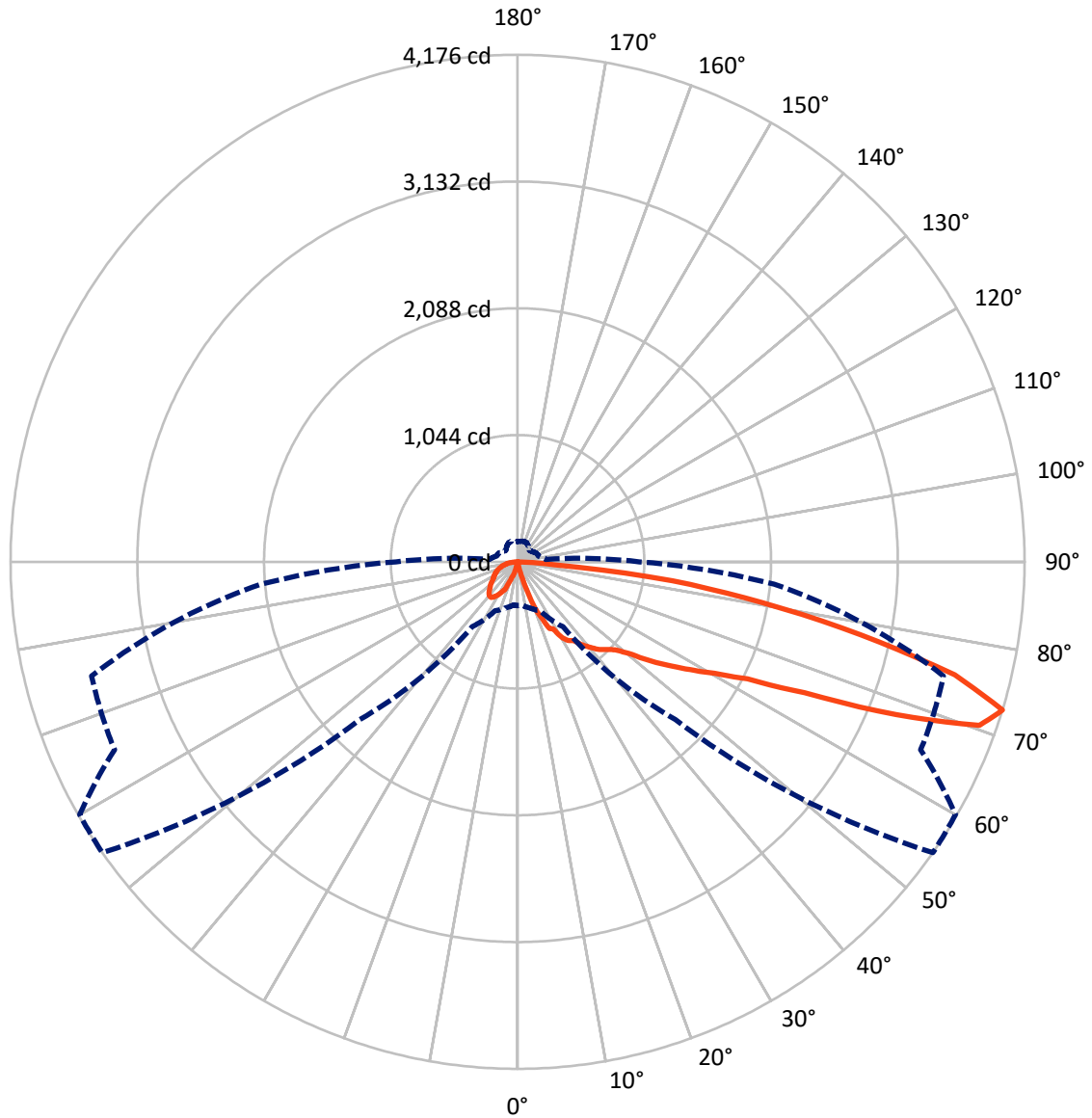
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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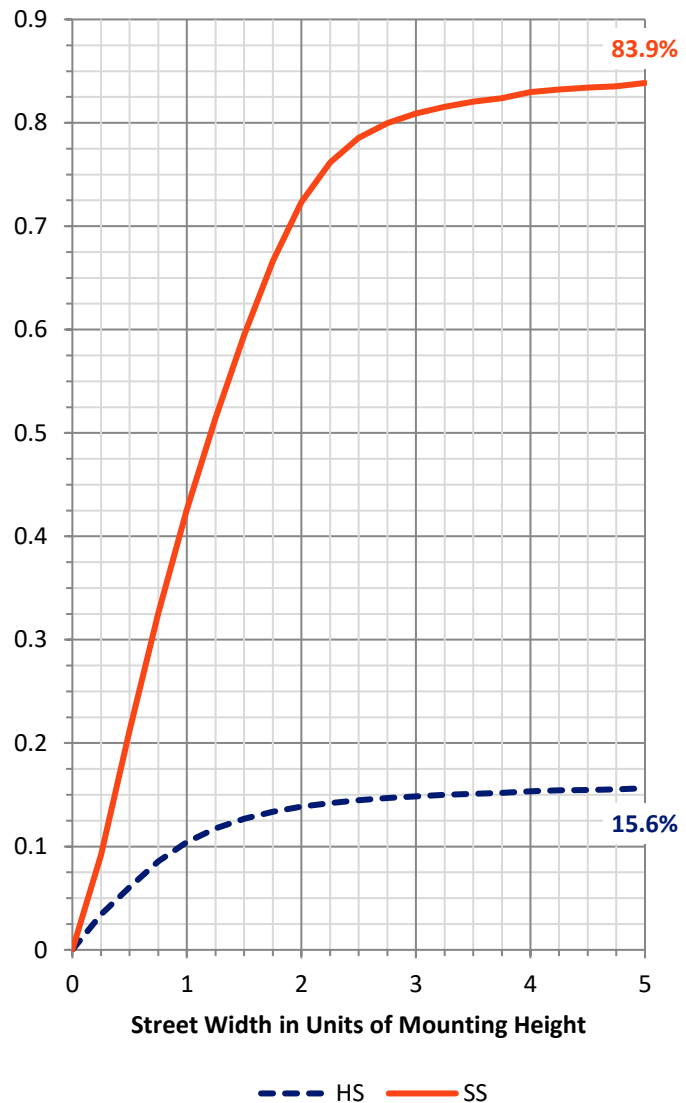
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	720.4	0.0	720.4
	% Fixture	15.9	0.0	15.9
<b>Street Side</b>	Lumens	3814.6	0.0	3814.6
	% Fixture	84.1	0.0	84.1
<b>Total</b>	Lumens	4535.0	0.0	4535.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	43.8	1.0
20°-30°	205.3	4.5
30°-40°	437.1	9.6
40°-50°	636.6	14.0
50°-60°	927.4	20.5
60°-70°	1230.9	27.1
70°-80°	906.2	20.0
80°-90°	147.5	3.3
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°	4535.0	100.0
0°-180°	4535.0	100.0

**Coefficient of Utilization**

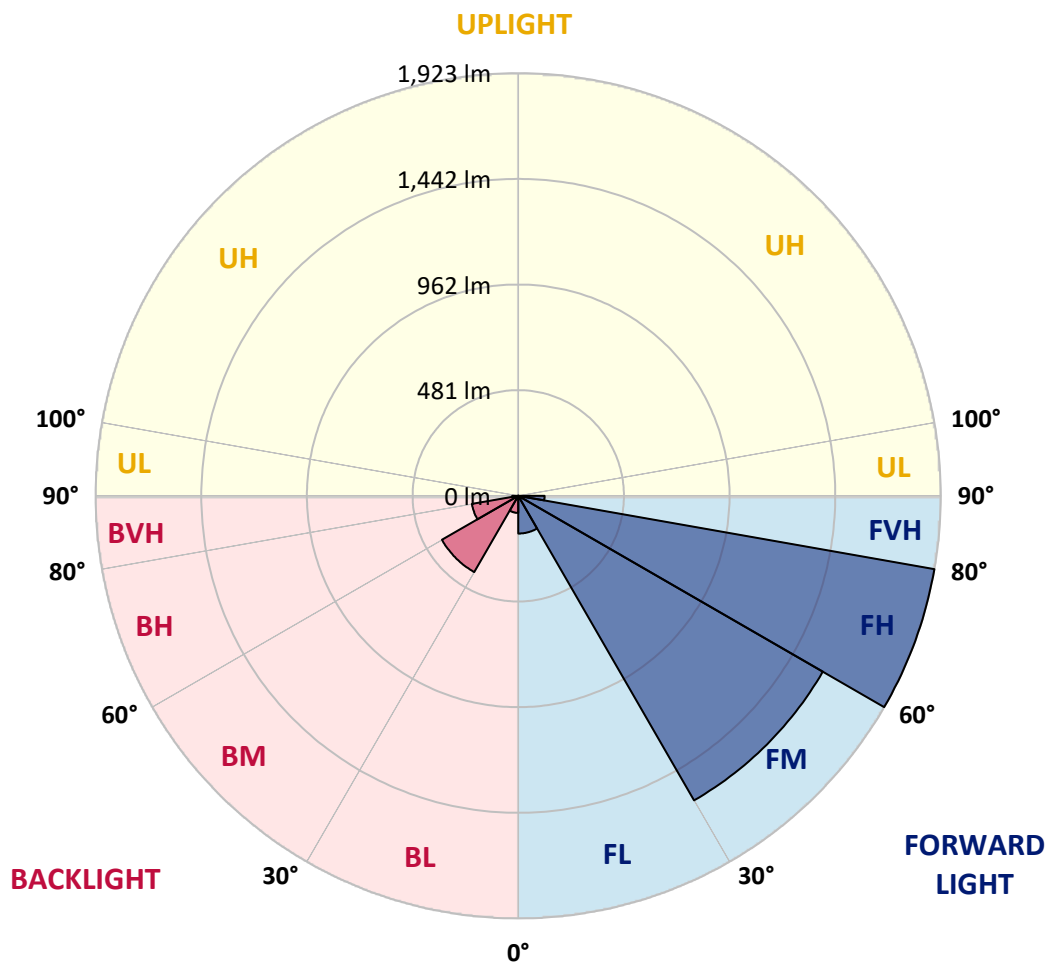


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.6	3.8			
FM (30°-60°)	1600.2	35.3			
FH (60°-80°)	1923.0	42.4			G2/5000
FVH (80°-90°)	119.7	2.6			G2/225
BL (0°-30°)	77.7	1.7	B0/110		
BM (30°-60°)	400.9	8.8	B1/1000		
BH (60°-80°)	214.1	4.7	B1/500		G1/500
BVH (80°-90°)	27.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7.5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
10°	32.7	34.3	27.8	13.1	4.9	1.6	1.6	1.6	3.3	3.3	4.9
12.5°	259.9	263.2	258.3	104.6	49.0	9.8	6.5	11.4	18.0	27.8	109.5
15°	258.3	258.3	263.2	271.3	271.3	57.2	114.4	148.7	207.6	269.7	266.4
17.5°	273.0	271.3	264.8	261.5	279.5	318.7	241.9	291.0	295.9	305.7	299.1
20°	397.2	397.2	397.2	377.6	282.8	392.3	408.7	330.2	333.5	465.9	452.8
22.5°	434.8	433.2	420.1	410.3	426.6	389.0	493.7	567.2	559.0	634.2	595.0
25°	619.5	601.5	570.5	452.8	472.4	456.1	609.7	699.6	632.6	689.8	747.0
27.5°	722.5	709.4	681.6	616.2	503.5	552.5	624.4	735.6	859.8	985.7	886.0
30°	967.7	954.6	817.3	716.0	624.4	568.8	727.4	872.9	1011.8	1033.1	923.6
32.5°	1003.6	1005.3	1011.8	915.4	733.9	629.3	774.8	902.3	1082.1	1297.9	1147.5
35°	1026.5	1024.9	1024.9	949.7	874.5	743.7	797.7	1015.1	1243.9	1376.3	1136.1
37.5°	1095.2	1090.3	1082.1	967.7	925.2	825.5	869.6	1044.5	1333.8	1498.9	1124.6
40°	1178.6	1183.5	1162.2	1016.7	959.5	887.6	926.8	1057.6	1440.1	1598.6	1119.7
42.5°	1296.2	1289.7	1253.7	1098.5	1010.2	915.4	988.9	1091.9	1518.5	1732.7	1129.5
45°	1428.6	1412.3	1361.6	1211.2	1085.4	931.7	1029.8	1154.0	1588.8	1884.7	1163.8
47.5°	1566.0	1544.7	1472.8	1302.8	1163.8	962.8	1082.1	1234.1	1668.9	2077.6	1227.6
50°	1696.7	1682.0	1590.5	1399.2	1245.6	1020.0	1181.8	1355.1	1778.4	2270.5	1335.5
52.5°	1827.5	1803.0	1690.2	1497.3	1324.0	1091.9	1345.3	1533.3	1925.6	2465.0	1453.2
55°	1968.1	1935.4	1789.9	1593.7	1389.4	1188.4	1503.8	1718.0	2100.5	2698.7	1598.6
57.5°	2201.8	2178.9	1971.3	1737.6	1482.6	1306.0	1675.5	1902.7	2288.4	2912.9	1744.1
60°	2466.6	2425.8	2221.4	1987.7	1677.1	1489.1	1865.1	2108.6	2468.3	3118.8	1905.9
62.5°	2456.8	2415.9	2272.1	2138.1	1927.2	1794.8	2125.0	2321.1	2621.9	3313.3	2049.8
65°	1951.7	1958.3	1953.4	1976.2	1997.5	2224.7	2597.4	2633.3	2863.8	3494.8	2187.1
67.5°	1062.5	1052.7	1173.6	1410.7	1739.2	2497.7	3362.4	3136.8	3163.0	3664.8	2281.9
70°	506.7	506.7	577.0	784.6	1247.2	2329.3	4035.8	3774.3	3485.0	3738.3	2270.5
72.5°	361.2	356.3	393.9	446.2	652.2	1837.3	4176.4	4165.0	3663.1	3632.1	2120.1
75°	292.6	295.9	310.6	338.4	308.9	1080.5	3718.7	3928.0	3496.4	3297.0	1874.9
77.5°	237.0	237.0	255.0	268.1	197.8	524.7	2886.7	3158.1	2772.3	2688.9	1378.0
80°	176.5	176.5	186.3	214.1	145.5	222.3	2043.3	2126.6	1829.1	1659.1	676.7
82.5°	107.9	101.3	114.4	150.4	104.6	127.5	1283.2	1157.3	918.6	514.9	201.1
85°	19.6	22.9	32.7	52.3	39.2	47.4	297.5	217.4	183.1	88.3	45.8
87.5°	0.0	0.0	0.0	1.6	3.3	4.9	6.5	8.2	8.2	6.5	4.9
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6
7.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6
10°	4.9	4.9	3.3	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6
12.5°	114.4	117.7	29.4	16.3	4.9	1.6	0.0	1.6	3.3	6.5	8.2
15°	258.3	243.6	188.0	96.4	55.6	6.5	3.3	27.8	75.2	81.7	86.6
17.5°	284.4	264.8	196.2	137.3	107.9	52.3	65.4	104.6	117.7	124.2	124.2
20°	421.7	371.1	240.3	160.2	127.5	138.9	114.4	124.2	137.3	148.7	155.3
22.5°	541.1	452.8	277.9	228.8	173.3	178.2	156.9	179.8	220.7	237.0	238.7
25°	652.2	505.1	292.6	255.0	248.5	202.7	222.3	223.9	243.6	253.4	255.0
27.5°	737.2	531.2	349.8	294.2	274.6	248.5	253.4	250.1	310.6	330.2	333.5
30°	747.0	510.0	366.2	333.5	302.4	287.7	273.0	323.7	348.2	356.3	356.3
32.5°	828.7	526.3	402.1	359.6	331.8	300.8	326.9	343.3	371.1	421.7	423.4
35°	742.1	469.1	416.8	390.7	353.1	326.9	341.6	385.8	439.7	451.2	449.5
37.5°	653.8	426.6	397.2	389.0	366.2	343.3	359.6	402.1	431.5	421.7	421.7
40°	581.9	397.2	382.5	376.0	364.5	335.1	367.8	384.1	416.8	407.0	405.4
42.5°	531.2	376.0	367.8	359.6	351.4	323.7	344.9	380.9	410.3	398.8	395.6
45°	514.9	362.9	358.0	346.5	331.8	307.3	330.2	376.0	403.7	392.3	389.0
47.5°	534.5	351.4	344.9	330.2	310.6	286.1	322.0	367.8	389.0	369.4	367.8
50°	591.7	346.5	331.8	312.2	292.6	279.5	310.6	348.2	366.2	348.2	348.2
52.5°	671.8	348.2	318.7	295.9	273.0	264.8	297.5	335.1	349.8	331.8	330.2
55°	758.5	353.1	302.4	279.5	248.5	253.4	291.0	328.6	333.5	313.8	312.2
57.5°	856.5	358.0	286.1	268.1	235.4	240.3	277.9	315.5	313.8	287.7	287.7
60°	956.2	362.9	269.7	253.4	222.3	223.9	261.5	299.1	289.3	263.2	261.5
62.5°	1039.6	358.0	250.1	237.0	209.2	204.3	241.9	279.5	271.3	243.6	243.6
65°	1111.5	338.4	233.7	220.7	196.2	188.0	222.3	255.0	248.5	222.3	223.9
67.5°	1141.0	307.3	217.4	204.3	181.4	170.0	199.4	225.6	223.9	202.7	204.3
70°	1096.8	264.8	199.4	188.0	165.1	150.4	176.5	199.4	199.4	184.7	184.7
72.5°	1002.0	233.7	179.8	170.0	145.5	134.0	155.3	173.3	176.5	166.7	168.4
75°	895.8	204.3	156.9	152.0	129.1	114.4	132.4	150.4	153.7	148.7	148.7
77.5°	675.1	158.6	132.4	132.4	112.8	98.1	112.8	129.1	132.4	130.8	129.1
80°	341.6	112.8	106.2	112.8	93.2	81.7	93.2	107.9	112.8	122.6	122.6
82.5°	116.1	73.6	80.1	91.5	75.2	65.4	71.9	88.3	116.1	99.7	98.1
85°	32.7	32.7	42.5	49.0	50.7	44.1	50.7	83.4	67.0	57.2	55.6
87.5°	3.3	4.9	6.5	9.8	8.2	9.8	13.1	16.3	11.4	8.2	6.5
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)