

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: P695090

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T4W**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695090  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-730-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4361 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

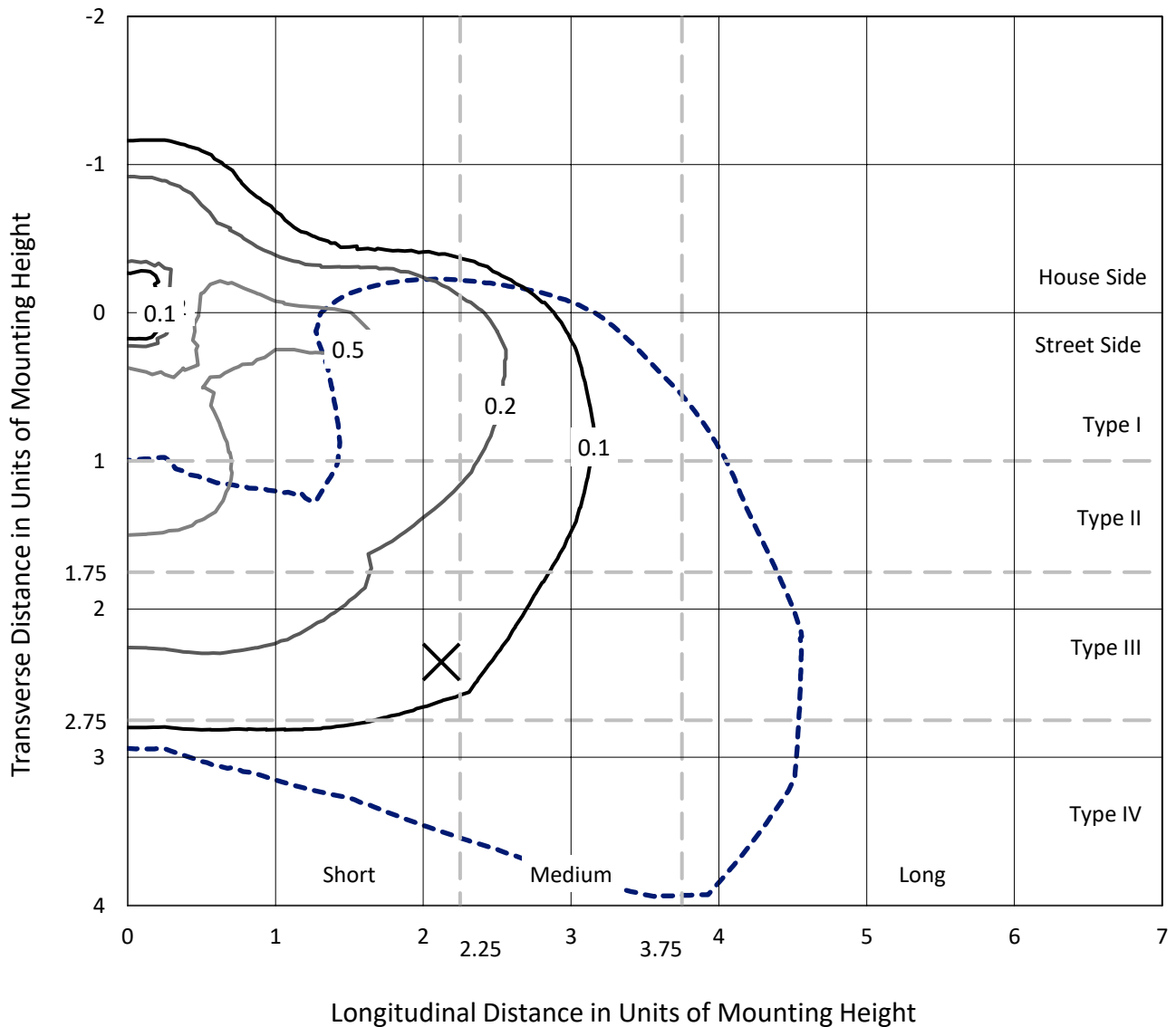
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

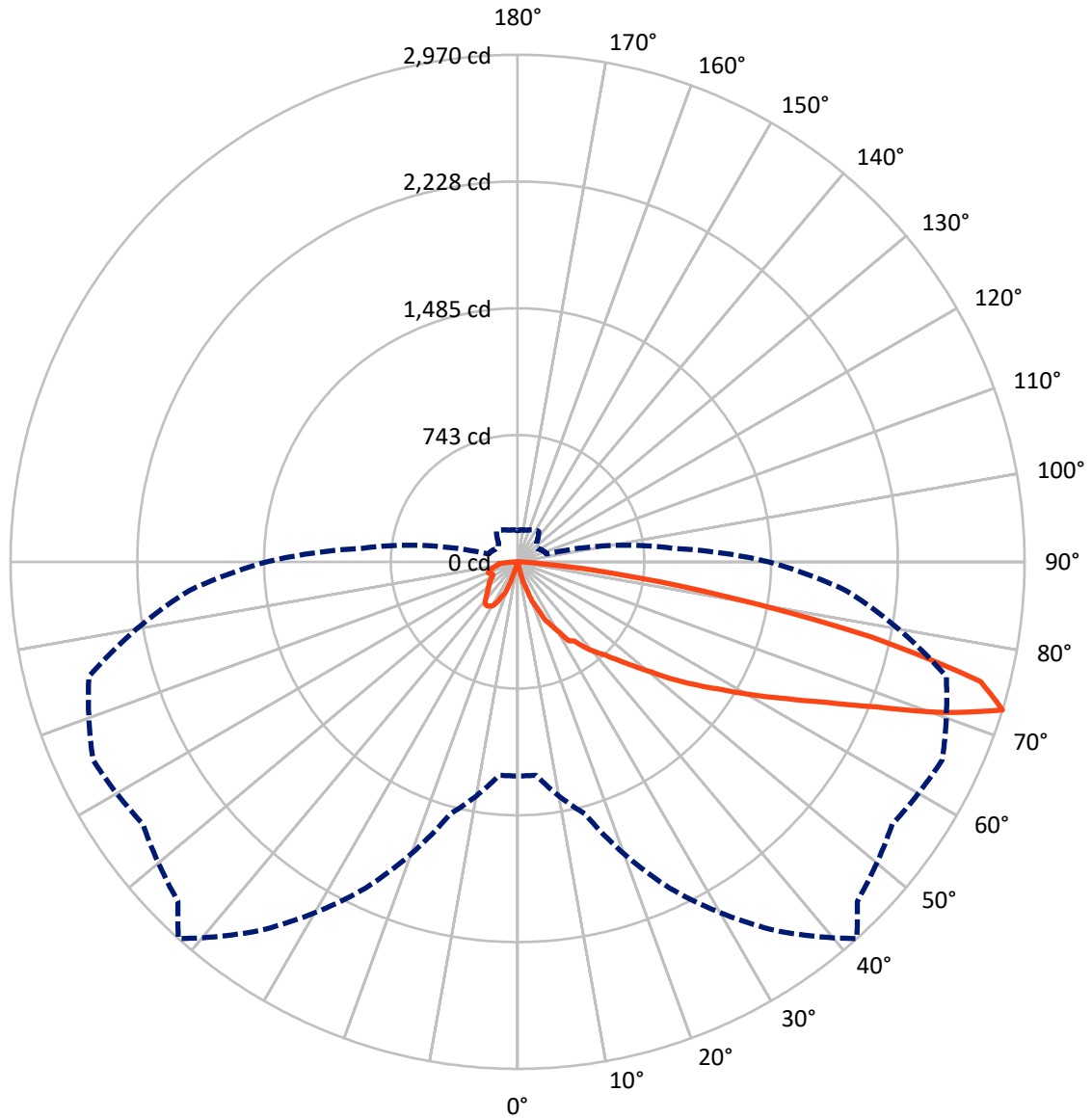
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 42-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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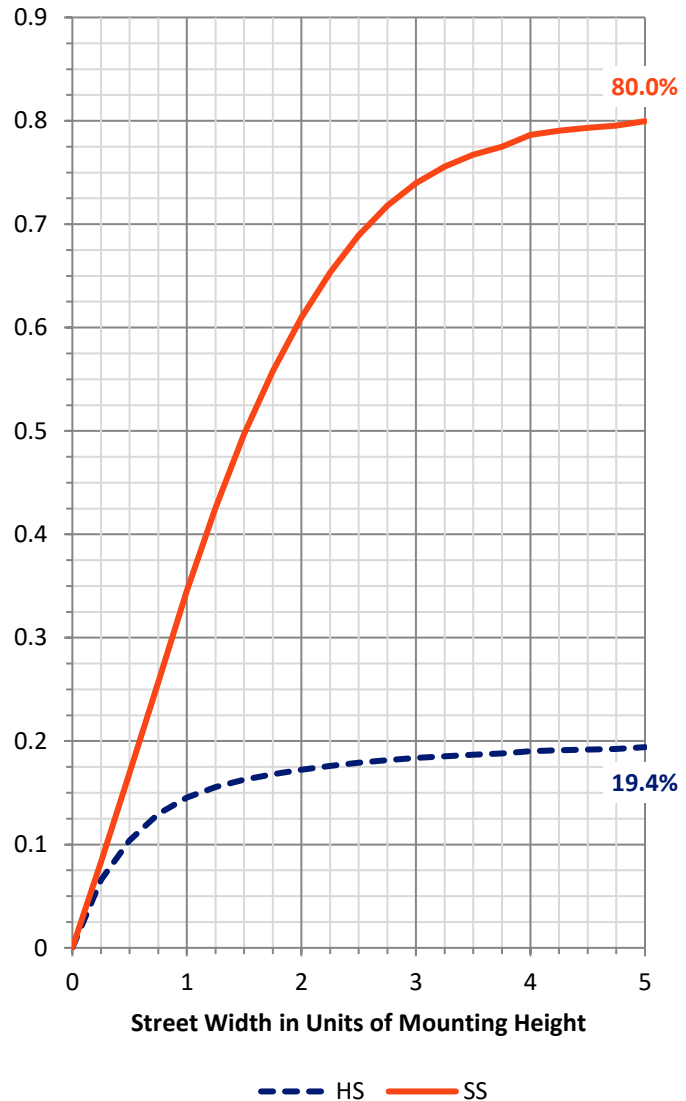
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	869.6	0.0	869.6
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	3491.4	0.0	3491.4
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	4361.0	0.0	4361.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	30.9	0.7
20°-30°	165.6	3.8
30°-40°	375.1	8.6
40°-50°	555.0	12.7
50°-60°	853.0	19.6
60°-70°	1251.7	28.7
70°-80°	1000.8	22.9
80°-90°	128.8	3.0
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°	4361.0	100.0
0°-180°	4361.0	100.0

**Coefficient of Utilization**



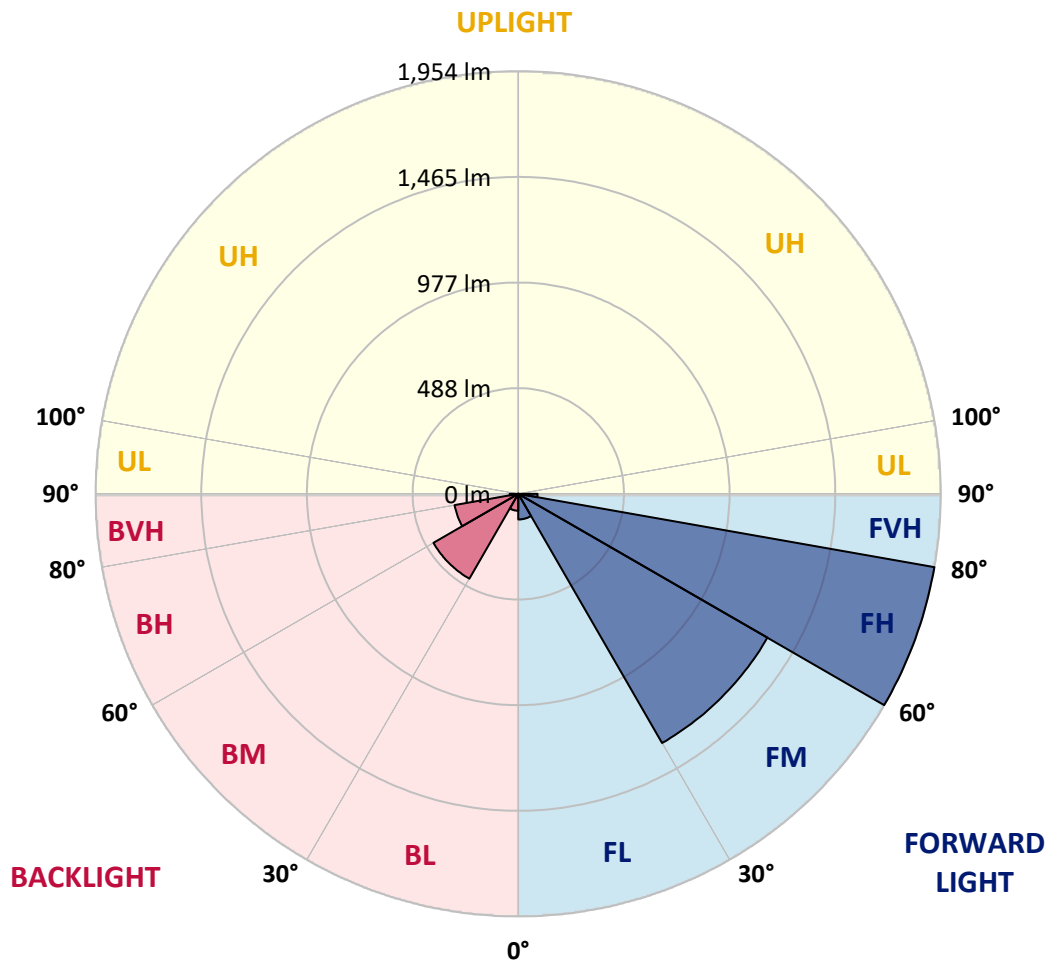
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.5	2.7			
FM (30°-60°)	1330.2	30.5			
FH (60°-80°)	1953.8	44.8			G2/5000
FVH (80°-90°)	89.0	2.0			G1/100
BL (0°-30°)	78.2	1.8	B0/110		
BM (30°-60°)	452.9	10.4	B1/1000		
BH (60°-80°)	298.7	6.8	B1/500		G1/500
BVH (80°-90°)	39.8	0.9			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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
5°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
7.5°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
10°	37.3	34.3	29.9	11.9	4.5	1.5	1.5	1.5	1.5	1.5	1.5
12.5°	159.7	159.7	155.2	143.3	32.8	17.9	9.0	3.0	10.4	22.4	28.4
15°	182.1	182.1	176.1	167.2	152.3	126.9	62.7	28.4	123.9	135.8	132.8
17.5°	325.4	300.0	219.4	189.6	170.2	155.2	153.7	141.8	155.2	152.3	149.3
20°	377.6	376.2	362.7	340.3	203.0	247.8	250.8	234.4	179.1	220.9	277.6
22.5°	409.0	403.0	379.1	353.8	373.2	297.0	274.7	258.2	298.5	331.4	323.9
25°	552.3	549.3	529.9	382.1	395.6	377.6	362.7	368.7	379.1	364.2	368.7
27.5°	588.1	580.7	555.3	498.6	431.4	419.4	449.3	403.0	446.3	535.9	525.4
30°	852.3	841.9	709.0	550.8	516.5	477.7	470.2	503.0	541.8	556.8	552.3
32.5°	968.7	956.8	909.0	722.5	556.8	552.3	525.4	546.3	556.8	688.1	731.4
35°	1110.6	1098.6	1037.4	821.0	671.7	568.7	574.7	553.8	656.8	704.5	755.3
37.5°	1209.1	1197.1	1161.3	906.1	747.8	634.4	598.6	618.0	668.7	732.9	783.7
40°	1301.6	1294.2	1271.8	1013.5	829.9	689.6	640.4	644.8	694.1	776.2	821.0
42.5°	1397.1	1392.7	1380.7	1115.0	904.6	744.8	692.6	677.7	749.3	816.5	876.2
45°	1482.2	1492.7	1486.7	1221.0	985.2	818.0	758.3	729.9	816.5	880.7	962.8
47.5°	1525.5	1525.5	1558.4	1328.5	1071.7	909.0	838.9	803.1	904.6	983.7	1085.2
50°	1586.7	1592.7	1595.7	1438.9	1189.7	1013.5	928.4	892.6	995.6	1131.4	1286.7
52.5°	1747.9	1803.2	1674.8	1546.4	1337.4	1146.4	1025.5	986.7	1115.0	1313.6	1544.9
55°	1804.6	1816.6	1780.8	1691.2	1462.8	1274.7	1132.9	1098.6	1300.1	1525.5	1830.0
57.5°	1853.9	1839.0	1885.3	1847.9	1627.0	1412.1	1262.8	1243.4	1498.6	1759.9	2118.1
60°	1901.7	1907.6	1973.3	2028.5	1777.8	1582.2	1406.1	1452.4	1700.2	2004.7	2391.3
62.5°	1943.5	1958.4	2073.3	2134.5	1910.6	1762.9	1595.7	1721.1	1925.6	2246.5	2615.2
65°	1907.6	1928.5	2164.4	2203.2	2091.2	1982.3	1813.6	1989.7	2201.7	2454.0	2757.0
67.5°	1853.9	1873.3	2149.5	2316.6	2298.7	2267.4	2080.8	2246.5	2489.8	2664.4	2749.5
70°	1688.2	1712.1	1997.2	2356.9	2559.9	2643.5	2442.0	2483.8	2707.7	2746.5	2470.4
72.5°	1253.8	1255.3	1530.0	2109.2	2637.6	2970.4	2813.7	2679.4	2745.0	2600.2	1931.5
75°	594.1	586.6	788.1	1340.4	2207.7	2801.8	2803.2	2625.6	2477.8	2131.5	1243.4
77.5°	174.6	177.6	249.3	553.8	1415.1	2118.1	2252.4	2152.4	1888.2	1194.1	546.3
80°	88.1	95.5	123.9	192.6	616.5	1235.9	1407.6	1389.7	1071.7	398.5	188.1
82.5°	43.3	44.8	67.2	104.5	268.7	574.7	735.9	644.8	341.8	191.1	95.5
85°	11.9	10.4	19.4	35.8	83.6	122.4	147.8	120.9	103.0	80.6	38.8
87.5°	0.0	1.5	1.5	3.0	3.0	4.5	4.5	4.5	4.5	4.5	4.5
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
7.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
10°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
12.5°	28.4	25.4	19.4	10.4	3.0	1.5	1.5	1.5	1.5	3.0	3.0
15°	129.9	128.4	126.9	116.4	25.4	4.5	3.0	13.4	46.3	70.2	85.1
17.5°	147.8	146.3	144.8	141.8	131.4	32.8	43.3	117.9	141.8	143.3	144.8
20°	273.2	267.2	201.5	156.7	144.8	131.4	125.4	144.8	150.8	155.2	156.7
22.5°	317.9	312.0	298.5	277.6	167.2	203.0	189.6	158.2	247.8	267.2	270.2
25°	361.2	353.8	322.4	297.0	283.6	216.4	240.3	255.2	280.6	286.6	289.6
27.5°	518.0	498.6	459.7	329.9	309.0	261.2	280.6	270.2	322.4	376.2	380.6
30°	550.8	531.4	477.7	395.6	326.9	301.5	280.6	352.3	389.6	401.5	407.5
32.5°	734.4	715.0	618.0	398.5	347.8	297.0	328.4	359.7	386.6	467.2	474.7
35°	762.8	738.9	626.9	461.2	335.9	309.0	325.4	373.2	444.8	471.7	476.2
37.5°	794.1	767.2	618.0	432.9	356.7	310.5	317.9	367.2	409.0	420.9	426.9
40°	841.9	801.6	603.0	401.5	335.9	292.6	309.0	337.3	361.2	356.7	361.2
42.5°	906.1	843.4	579.2	365.7	310.5	268.7	286.6	304.5	319.4	306.0	303.0
45°	986.7	903.1	552.3	334.4	283.6	247.8	264.2	279.1	289.6	265.7	262.7
47.5°	1103.1	971.7	519.5	301.5	261.2	231.4	246.3	256.7	262.7	240.3	235.8
50°	1261.3	1062.8	482.1	274.7	241.8	216.4	234.4	240.3	235.8	219.4	216.4
52.5°	1459.8	1201.6	444.8	253.8	225.4	206.0	222.4	220.9	216.4	204.5	203.0
55°	1707.6	1386.7	413.5	238.8	212.0	195.5	207.5	207.5	206.0	195.5	195.5
57.5°	1967.3	1561.3	376.2	225.4	197.0	180.6	195.5	198.5	197.0	189.6	188.1
60°	2183.8	1704.6	320.9	213.5	180.6	168.7	185.1	191.1	189.6	182.1	180.6
62.5°	2307.7	1727.0	264.2	197.0	167.2	158.2	179.1	188.1	198.5	203.0	203.0
65°	2333.1	1636.0	226.9	185.1	158.2	155.2	185.1	212.0	220.9	226.9	229.9
67.5°	2230.1	1446.4	204.5	177.6	152.3	161.2	210.5	225.4	216.4	213.5	213.5
70°	1945.0	1200.1	188.1	168.7	144.8	168.7	219.4	214.9	203.0	206.0	204.5
72.5°	1471.8	913.5	176.1	159.7	137.3	156.7	216.4	206.0	191.1	188.1	182.1
75°	891.1	535.9	162.7	149.3	119.4	138.8	207.5	197.0	182.1	176.1	171.7
77.5°	344.8	247.8	147.8	137.3	103.0	122.4	192.6	188.1	173.2	161.2	159.7
80°	146.3	131.4	126.9	120.9	88.1	106.0	173.2	174.6	152.3	137.3	132.8
82.5°	82.1	80.6	98.5	98.5	73.1	94.0	156.7	156.7	134.3	125.4	114.9
85°	26.9	31.3	52.2	59.7	53.7	88.1	152.3	144.8	116.4	97.0	92.5
87.5°	3.0	3.0	6.0	11.9	13.4	22.4	43.3	50.8	35.8	29.9	29.9
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)