

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: P694905

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694905  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-750-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3764 lumens  
Efficiency: N/A  
Efficacy: 128.9 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

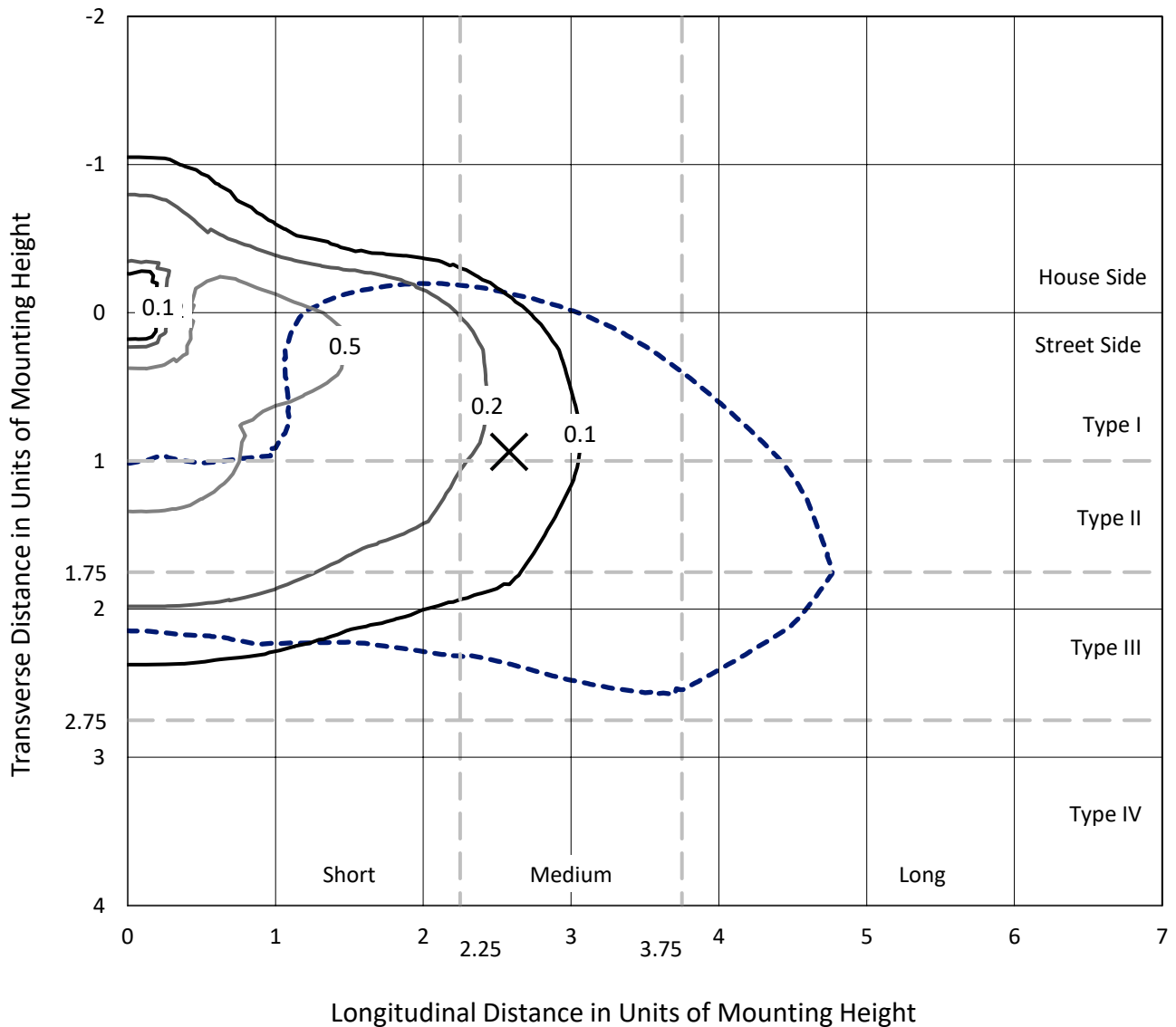
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

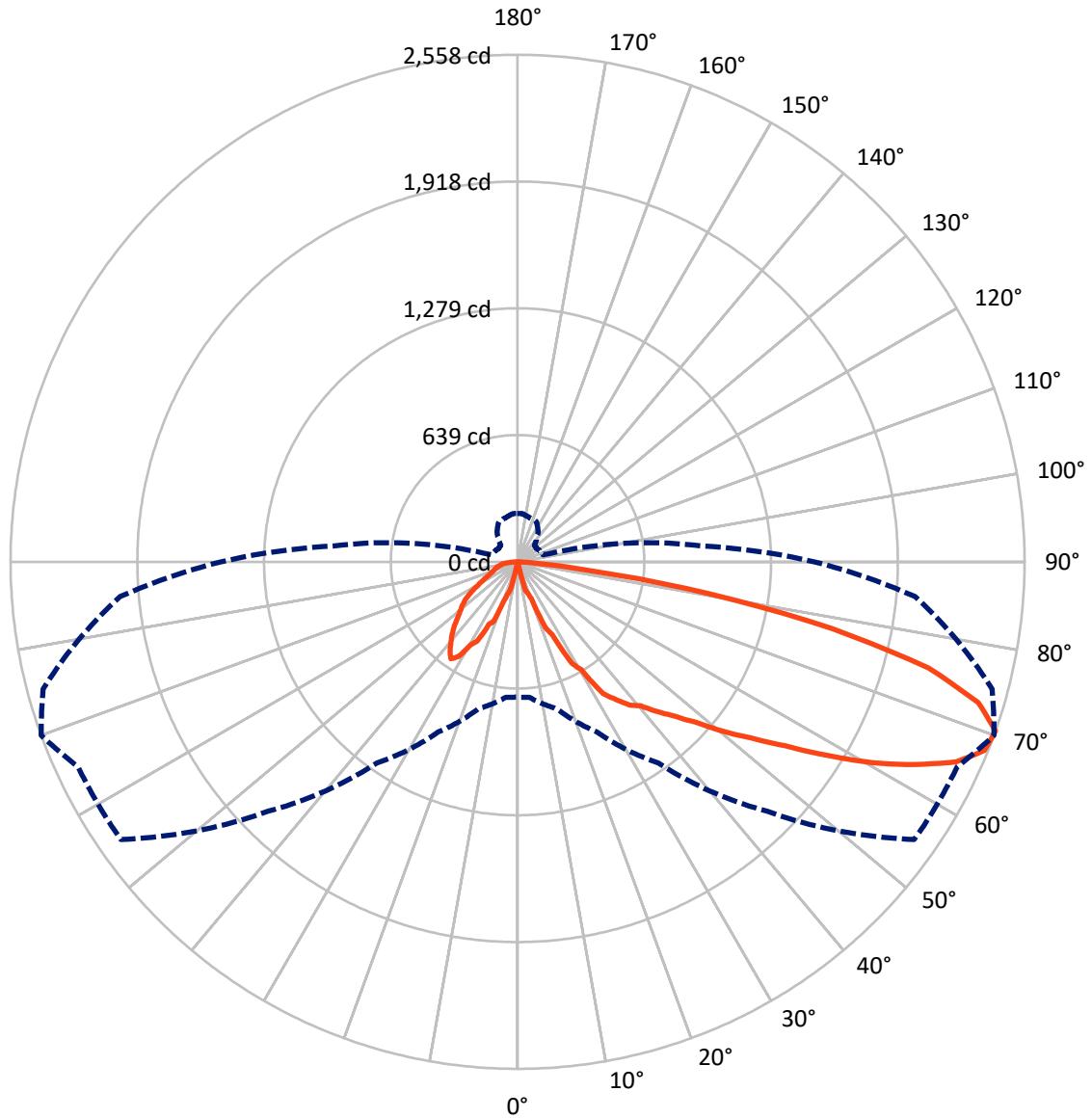
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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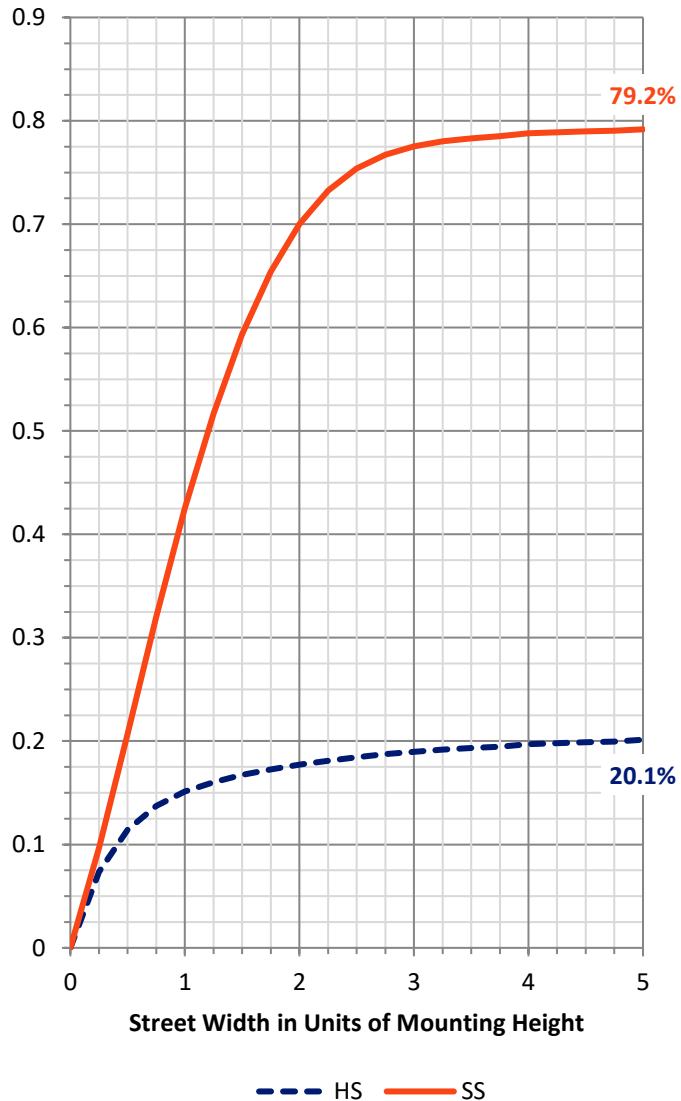
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	775.7	0.0	775.7
	% Fixture	20.6	0.0	20.6
<b>Street Side</b>	Lumens	2988.3	0.0	2988.3
	% Fixture	79.4	0.0	79.4
<b>Total</b>	Lumens	3764.0	0.0	3764.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	31.9	0.8
20°-30°	180.1	4.8
30°-40°	400.5	10.6
40°-50°	572.7	15.2
50°-60°	832.3	22.1
60°-70°	1044.6	27.8
70°-80°	620.4	16.5
80°-90°	81.5	2.2
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°	3764.0	100.0
0°-180°	3764.0	100.0

**Coefficient of Utilization**

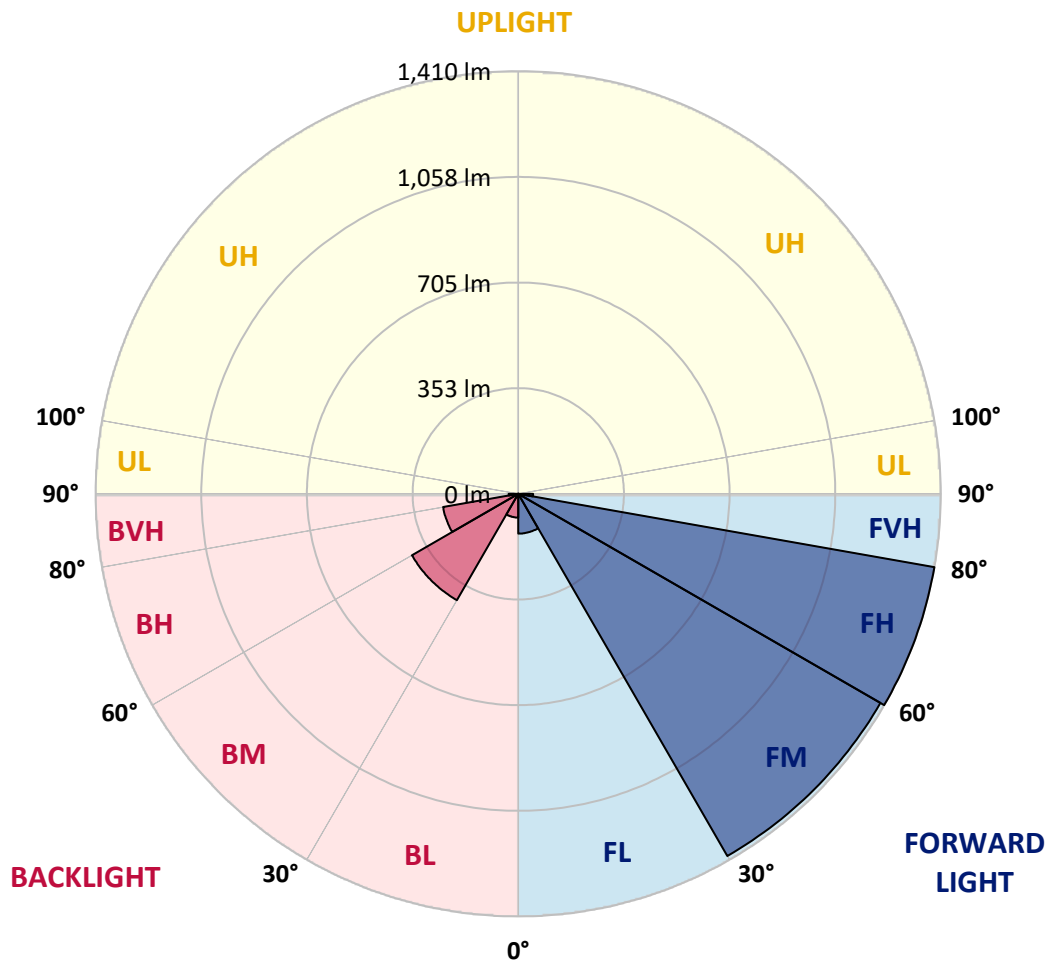


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	132.8	3.5			
FM (30°-60°)	1395.7	37.1			
FH (60°-80°)	1410.3	37.5			G1/1800
FVH (80°-90°)	49.5	1.3			G1/100
BL (0°-30°)	79.3	2.1	B0/110		
BM (30°-60°)	409.8	10.9	B1/1000		
BH (60°-80°)	254.6	6.8	B1/500		G1/500
BVH (80°-90°)	32.0	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-G1**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	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°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
7.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
10°	16.8	18.1	11.6	6.5	2.6	1.3	1.3	1.3	1.3	1.3	1.3
12.5°	150.1	150.1	148.8	95.8	29.8	6.5	2.6	7.8	14.2	15.5	23.3
15°	167.0	167.0	167.0	164.4	156.6	54.4	24.6	137.2	150.1	154.0	154.0
17.5°	220.0	223.9	203.2	182.5	173.4	151.4	146.3	164.4	167.0	169.6	170.8
20°	374.0	374.0	374.0	333.9	205.8	265.3	243.3	187.7	196.7	235.6	324.9
22.5°	416.8	415.5	406.4	393.5	421.9	295.1	277.0	327.5	361.1	372.8	367.6
25°	638.1	636.8	603.1	445.2	464.6	398.6	416.8	415.5	407.7	411.6	406.4
27.5°	692.4	689.9	687.3	626.4	513.8	538.4	484.1	541.0	577.3	604.4	587.6
30°	973.3	917.6	806.3	710.6	656.2	577.3	622.6	656.2	631.6	643.3	616.1
32.5°	1029.0	1034.1	1029.0	895.6	730.0	657.5	698.9	696.3	793.4	827.0	818.0
35°	1084.6	1080.7	1073.0	953.9	849.1	758.5	736.4	852.9	852.9	872.3	845.2
37.5°	1128.6	1127.3	1117.0	986.2	908.6	794.7	833.5	915.1	916.4	935.8	876.2
40°	1166.2	1167.4	1163.6	1021.2	956.5	833.5	878.8	975.9	955.2	983.7	928.0
42.5°	1198.5	1202.4	1208.9	1073.0	997.9	872.3	921.5	1019.9	1032.8	1066.5	1003.1
45°	1258.0	1265.8	1274.9	1154.5	1053.6	924.1	979.8	1107.9	1110.5	1161.0	1106.6
47.5°	1333.1	1338.3	1357.7	1242.5	1136.4	999.2	1039.3	1172.6	1210.2	1273.6	1230.9
50°	1397.8	1408.2	1434.1	1349.9	1250.3	1109.2	1123.4	1268.4	1343.5	1400.4	1361.6
52.5°	1447.0	1456.1	1494.9	1440.5	1370.7	1227.0	1229.6	1401.7	1478.1	1557.0	1533.7
55°	1487.1	1497.5	1533.7	1526.0	1480.7	1324.1	1375.8	1529.8	1637.3	1730.5	1704.6
57.5°	1493.6	1492.3	1560.9	1584.2	1557.0	1452.2	1560.9	1669.6	1841.8	1915.5	1916.8
60°	1463.8	1470.3	1551.9	1623.0	1625.6	1584.2	1762.8	1856.0	2057.9	2107.1	2122.6
62.5°	1400.4	1414.7	1505.3	1623.0	1681.3	1716.2	1959.6	2065.7	2252.1	2277.9	2261.1
65°	1280.1	1285.2	1374.5	1548.0	1686.5	1836.6	2162.8	2248.2	2432.0	2406.1	2292.2
67.5°	1034.1	1049.7	1132.5	1333.1	1563.5	1889.7	2347.8	2385.4	2539.4	2485.0	2215.8
70°	682.1	686.0	767.5	946.1	1238.6	1779.6	2442.3	2446.2	2557.5	2477.3	2012.6
72.5°	296.4	273.1	350.8	494.4	759.7	1387.5	2327.1	2382.8	2429.4	2331.0	1667.0
75°	128.1	130.7	151.4	204.5	352.0	784.3	1936.3	2077.3	2140.8	1985.4	1215.3
77.5°	95.8	95.8	110.0	124.3	164.4	296.4	1261.9	1546.7	1621.7	1438.0	755.9
80°	69.9	72.5	82.8	90.6	106.1	120.4	629.0	937.1	985.0	749.4	332.6
82.5°	53.1	53.1	59.5	64.7	72.5	72.5	213.6	402.5	365.0	255.0	115.2
85°	23.3	19.4	31.1	29.8	32.4	25.9	56.9	73.8	73.8	58.2	25.9
87.5°	0.0	1.3	1.3	1.3	2.6	2.6	5.2	3.9	5.2	5.2	3.9
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
7.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3
10°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3
12.5°	20.7	24.6	15.5	7.8	1.3	0.0	0.0	1.3	1.3	2.6	2.6
15°	156.6	155.3	155.3	142.4	24.6	3.9	2.6	12.9	44.0	93.2	91.9
17.5°	170.8	170.8	170.8	164.4	148.8	41.4	41.4	137.2	148.8	150.1	151.4
20°	323.6	319.7	247.2	177.3	156.6	148.8	135.9	150.1	152.7	154.0	156.6
22.5°	363.7	359.8	343.0	308.0	176.0	216.1	195.4	160.5	239.4	251.1	253.7
25°	403.8	393.5	367.6	322.3	295.1	218.7	229.1	229.1	239.4	238.1	239.4
27.5°	576.0	564.3	529.4	366.3	319.7	256.3	253.7	223.9	240.7	274.4	277.0
30°	603.1	588.9	541.0	421.9	336.5	279.6	236.9	266.6	279.6	275.7	277.0
32.5°	796.0	779.2	702.8	424.5	339.1	257.6	262.7	266.6	271.8	296.4	299.0
35°	820.6	805.0	701.5	486.7	313.2	256.3	253.7	271.8	301.6	305.5	306.7
37.5°	855.5	840.0	687.3	443.9	311.9	253.7	247.2	267.9	278.3	274.4	271.8
40°	906.0	882.7	660.1	397.3	283.4	240.7	240.7	245.9	253.7	239.4	235.6
42.5°	981.1	933.2	630.3	355.9	260.2	223.9	223.9	225.2	220.0	207.1	207.1
45°	1062.6	975.9	591.5	318.4	236.9	205.8	207.1	198.0	203.2	192.8	192.8
47.5°	1158.4	1027.7	543.6	282.2	216.1	189.0	186.4	187.7	194.1	186.4	186.4
50°	1268.4	1089.8	507.4	249.8	198.0	172.1	178.6	182.5	190.3	183.8	182.5
52.5°	1399.1	1155.8	478.9	223.9	182.5	157.9	173.4	178.6	187.7	183.8	182.5
55°	1551.9	1238.6	433.6	203.2	168.3	150.1	169.6	178.6	189.0	186.4	185.1
57.5°	1694.2	1309.8	370.2	182.5	157.9	145.0	168.3	178.6	191.6	189.0	187.7
60°	1822.4	1377.1	292.5	167.0	148.8	138.5	164.4	178.6	192.8	194.1	192.8
62.5°	1887.1	1381.0	236.9	155.3	139.8	132.0	160.5	177.3	191.6	199.3	199.3
65°	1856.0	1303.3	189.0	143.7	132.0	124.3	156.6	181.2	203.2	216.1	216.1
67.5°	1729.2	1146.7	156.6	134.6	123.0	117.8	161.8	204.5	225.2	238.1	238.1
70°	1497.5	926.7	134.6	126.8	116.5	120.4	179.9	223.9	230.4	244.6	243.3
72.5°	1188.2	692.4	120.4	119.1	112.6	126.8	191.6	216.1	216.1	221.3	216.1
75°	836.1	440.1	108.7	111.3	103.5	116.5	181.2	201.9	192.8	190.3	189.0
77.5°	476.3	238.1	95.8	101.0	93.2	101.0	157.9	179.9	170.8	164.4	161.8
80°	204.5	121.7	82.8	90.6	81.5	85.4	132.0	155.3	148.8	141.1	138.5
82.5°	81.5	63.4	69.9	80.2	68.6	72.5	112.6	132.0	126.8	119.1	111.3
85°	23.3	24.6	42.7	56.9	51.8	56.9	90.6	104.8	97.1	76.4	73.8
87.5°	2.6	3.9	9.1	11.6	12.9	10.4	20.7	28.5	25.9	19.4	15.5
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)