

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: P696030

Luminaire Tested: **LXF.LXT-PA16-827-U-SL3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P696030  
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-PA16-827-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1340mA 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: 5404 lumens  
Efficiency: N/A  
Efficacy: 75.1 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

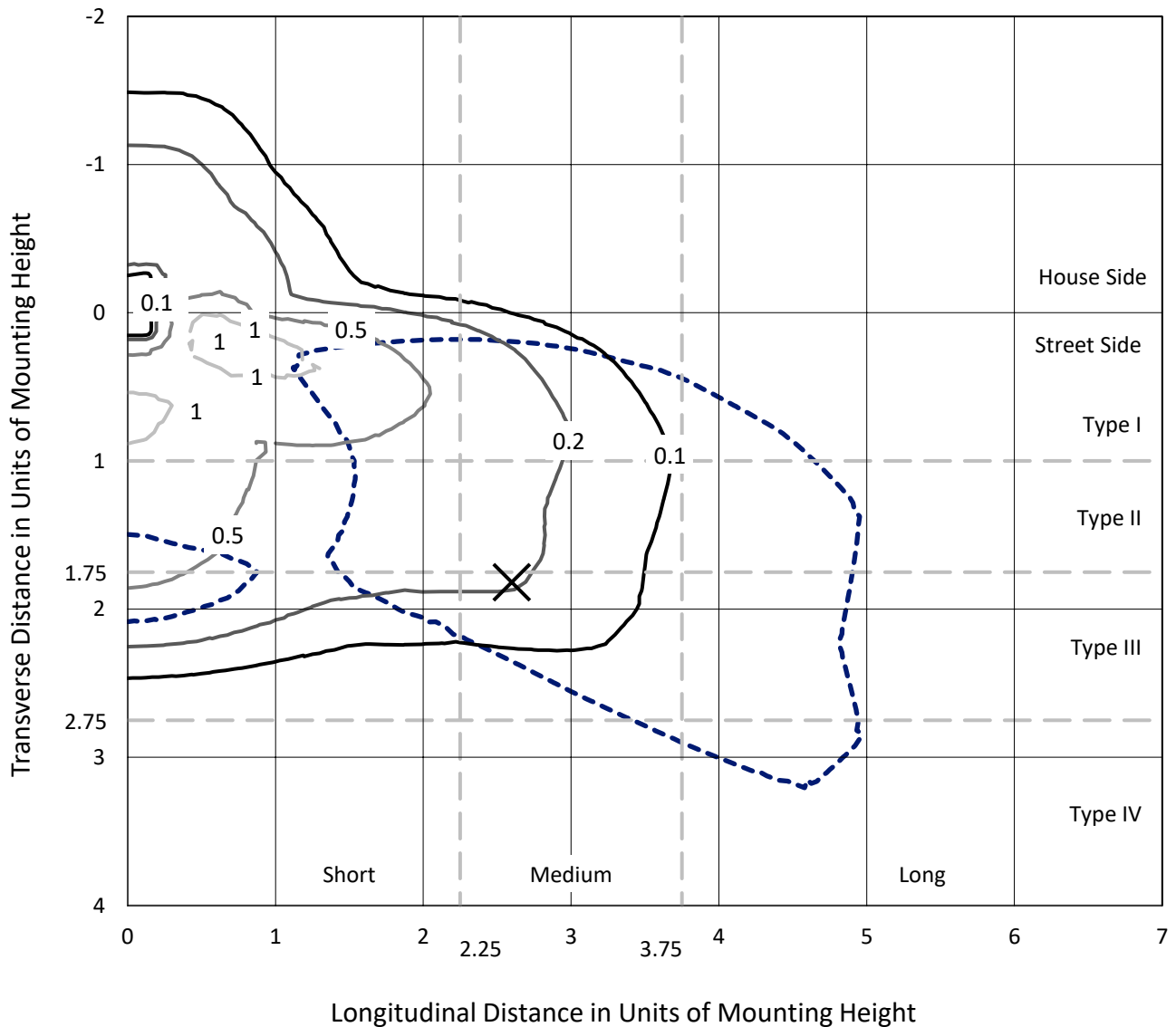
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

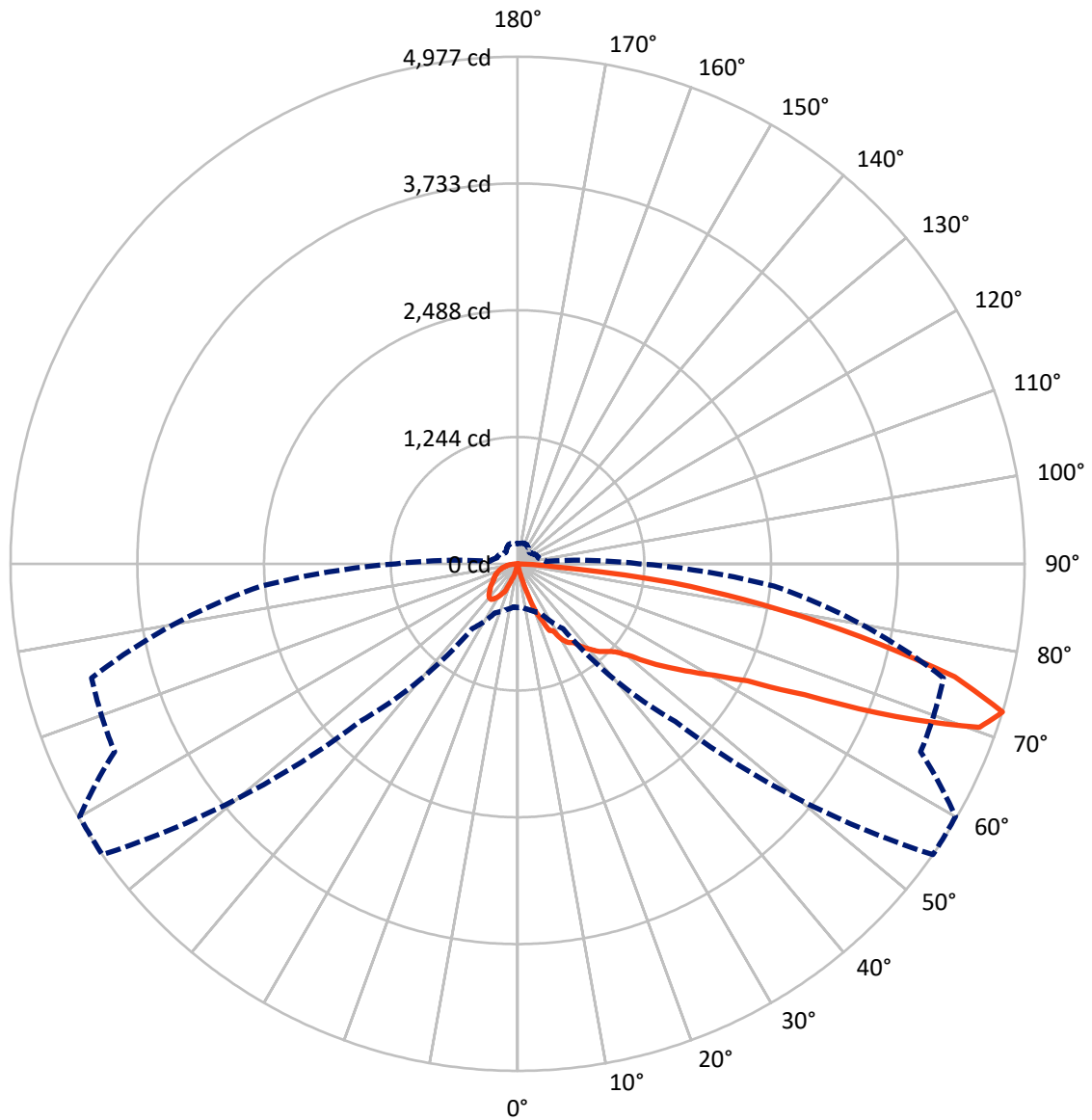
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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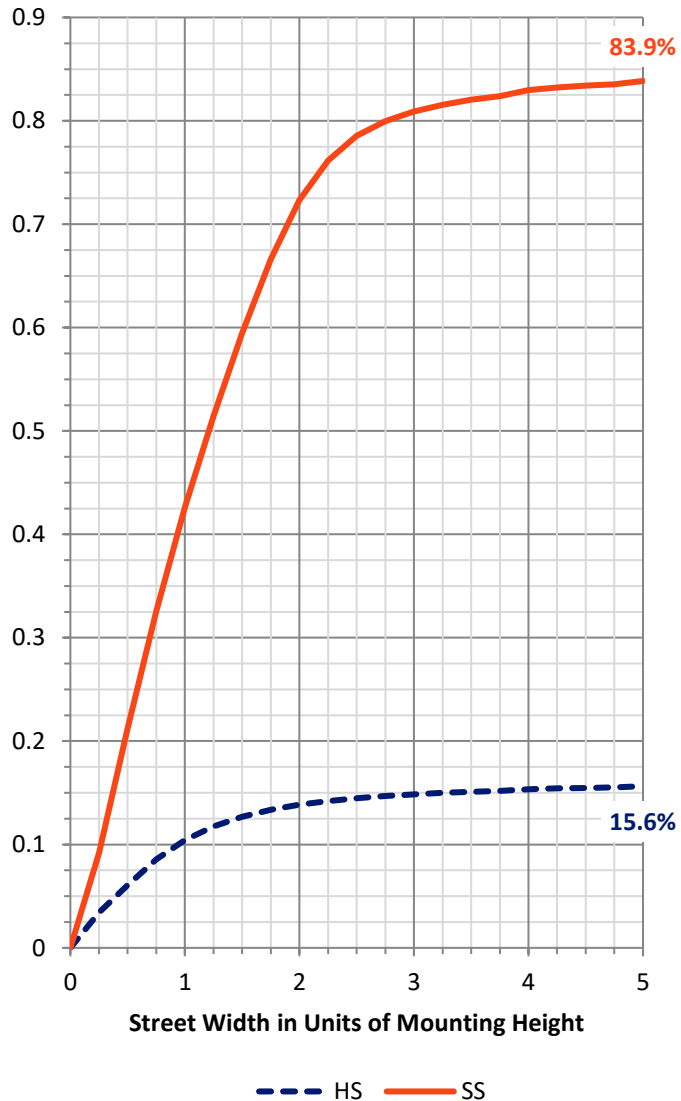
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	858.5	0.0	858.5
	% Fixture	15.9	0.0	15.9
<b>Street Side</b>	Lumens	4545.5	0.0	4545.5
	% Fixture	84.1	0.0	84.1
<b>Total</b>	Lumens	5404.0	0.0	5404.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	52.2	1.0
20°-30°	244.6	4.5
30°-40°	520.9	9.6
40°-50°	758.5	14.0
50°-60°	1105.2	20.5
60°-70°	1466.8	27.1
70°-80°	1079.9	20.0
80°-90°	175.7	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°	5404.0	100.0
0°-180°	5404.0	100.0

**Coefficient of Utilization**

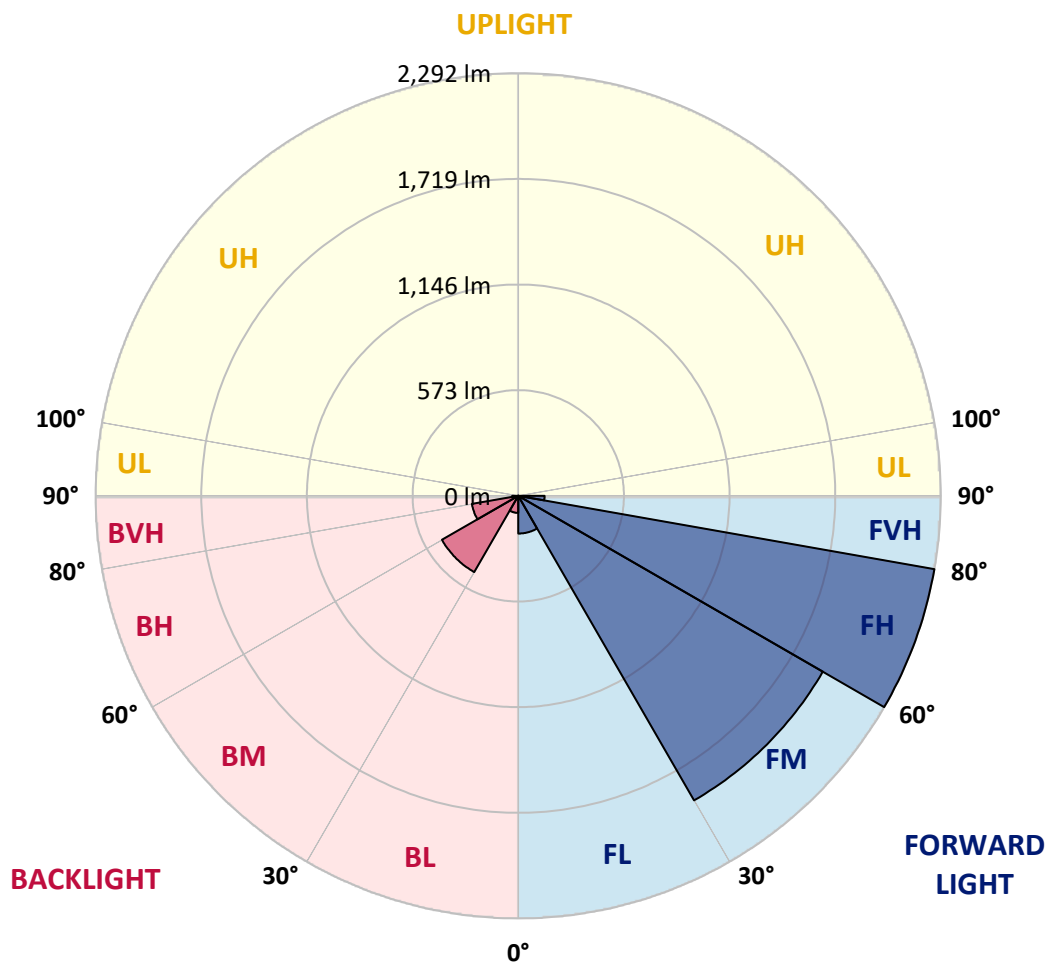


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.5	3.8			
FM (30°-60°)	1906.8	35.3			
FH (60°-80°)	2291.5	42.4			G2/5000
FVH (80°-90°)	142.7	2.6			G2/225
BL (0°-30°)	92.6	1.7	B0/110		
BM (30°-60°)	477.7	8.8	B1/1000		
BH (60°-80°)	255.1	4.7	B1/500		G1/500
BVH (80°-90°)	33.1	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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
10°	39.0	40.9	33.1	15.6	5.8	1.9	1.9	1.9	3.9	3.9	5.8
12.5°	309.7	313.6	307.8	124.7	58.4	11.7	7.8	13.6	21.4	33.1	130.5
15°	307.8	307.8	313.6	323.3	323.3	68.2	136.3	177.3	247.4	321.4	317.5
17.5°	325.3	323.3	315.5	311.7	333.1	379.8	288.3	346.7	352.6	364.2	356.5
20°	473.3	473.3	473.3	449.9	337.0	467.5	487.0	393.5	397.4	555.1	539.5
22.5°	518.1	516.2	500.6	488.9	508.4	463.6	588.2	675.9	666.2	755.8	709.0
25°	738.2	716.8	679.8	539.5	562.9	543.4	726.5	833.7	753.8	822.0	890.2
27.5°	860.9	845.4	812.2	734.3	599.9	658.4	744.1	876.5	1024.6	1174.5	1055.7
30°	1153.1	1137.5	973.9	853.1	744.1	677.8	866.8	1040.1	1205.7	1231.0	1100.5
32.5°	1196.0	1197.9	1205.7	1090.8	874.6	749.9	923.3	1075.2	1289.5	1546.6	1367.4
35°	1223.2	1221.3	1221.3	1131.7	1042.1	886.3	950.5	1209.6	1482.3	1640.1	1353.7
37.5°	1305.0	1299.2	1289.5	1153.1	1102.5	983.7	1036.2	1244.7	1589.4	1786.2	1340.1
40°	1404.4	1410.2	1384.9	1211.5	1143.4	1057.7	1104.4	1260.2	1716.0	1905.0	1334.3
42.5°	1544.6	1536.8	1494.0	1308.9	1203.8	1090.8	1178.4	1301.1	1809.5	2064.7	1345.9
45°	1702.4	1682.9	1622.5	1443.3	1293.4	1110.3	1227.1	1375.2	1893.3	2245.8	1386.9
47.5°	1866.0	1840.7	1755.0	1552.4	1386.9	1147.3	1289.5	1470.6	1988.7	2475.7	1462.8
50°	2021.8	2004.3	1895.2	1667.3	1484.2	1215.4	1408.3	1614.8	2119.2	2705.5	1591.4
52.5°	2177.7	2148.5	2014.1	1784.2	1577.7	1301.1	1603.1	1827.1	2294.5	2937.3	1731.6
55°	2345.2	2306.2	2132.9	1899.1	1655.7	1416.1	1792.0	2047.2	2503.0	3215.9	1905.0
57.5°	2623.7	2596.5	2349.1	2070.5	1766.7	1556.3	1996.5	2267.3	2727.0	3471.0	2078.3
60°	2939.3	2890.6	2647.1	2368.6	1998.5	1774.5	2222.5	2512.7	2941.2	3716.5	2271.2
62.5°	2927.6	2878.9	2707.5	2547.8	2296.5	2138.7	2532.2	2765.9	3124.3	3948.2	2442.6
65°	2325.7	2333.5	2327.7	2354.9	2380.2	2651.0	3095.1	3138.0	3412.6	4164.5	2606.2
67.5°	1266.1	1254.4	1398.5	1681.0	2072.5	2976.3	4006.7	3737.9	3769.0	4367.0	2719.2
70°	603.8	603.8	687.6	935.0	1486.2	2775.7	4809.2	4497.5	4152.8	4454.7	2705.5
72.5°	430.5	424.6	469.4	531.8	777.2	2189.4	4976.7	4963.1	4365.1	4328.1	2526.3
75°	348.7	352.6	370.1	403.2	368.1	1287.5	4431.3	4680.6	4166.4	3928.8	2234.2
77.5°	282.4	282.4	303.9	319.4	235.7	625.3	3439.9	3763.2	3303.5	3204.2	1642.0
80°	210.4	210.4	222.1	255.2	173.4	264.9	2434.8	2534.1	2179.6	1977.0	806.4
82.5°	128.6	120.8	136.3	179.2	124.7	151.9	1529.0	1379.1	1094.7	613.6	239.6
85°	23.4	27.3	39.0	62.3	46.7	56.5	354.5	259.1	218.2	105.2	54.5
87.5°	0.0	0.0	0.0	1.9	3.9	5.8	7.8	9.7	9.7	7.8	5.8
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	1.9	1.9	1.9	1.9
7.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9
10°	5.8	5.8	3.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9
12.5°	136.3	140.2	35.1	19.5	5.8	1.9	0.0	1.9	3.9	7.8	9.7
15°	307.8	290.2	224.0	114.9	66.2	7.8	3.9	33.1	89.6	97.4	103.2
17.5°	338.9	315.5	233.7	163.6	128.6	62.3	77.9	124.7	140.2	148.0	148.0
20°	502.5	442.2	286.3	190.9	151.9	165.6	136.3	148.0	163.6	177.3	185.0
22.5°	644.7	539.5	331.1	272.7	206.5	212.3	187.0	214.3	263.0	282.4	284.4
25°	777.2	601.9	348.7	303.9	296.1	241.5	264.9	266.9	290.2	301.9	303.9
27.5°	878.5	633.0	416.8	350.6	327.2	296.1	301.9	298.0	370.1	393.5	397.4
30°	890.2	607.7	436.3	397.4	360.3	342.8	325.3	385.7	414.9	424.6	424.6
32.5°	987.5	627.2	479.2	428.5	395.4	358.4	389.6	409.0	442.2	502.5	504.5
35°	884.3	559.0	496.7	465.5	420.7	389.6	407.1	459.7	524.0	537.6	535.7
37.5°	779.1	508.4	473.3	463.6	436.3	409.0	428.5	479.2	514.2	502.5	502.5
40°	693.4	473.3	455.8	448.0	434.4	399.3	438.3	457.7	496.7	485.0	483.1
42.5°	633.0	448.0	438.3	428.5	418.8	385.7	411.0	453.8	488.9	475.3	471.4
45°	613.6	432.4	426.6	412.9	395.4	366.2	393.5	448.0	481.1	467.5	463.6
47.5°	636.9	418.8	411.0	393.5	370.1	340.9	383.7	438.3	463.6	440.2	438.3
50°	705.1	412.9	395.4	372.0	348.7	333.1	370.1	414.9	436.3	414.9	414.9
52.5°	800.6	414.9	379.8	352.6	325.3	315.5	354.5	399.3	416.8	395.4	393.5
55°	903.8	420.7	360.3	333.1	296.1	301.9	346.7	391.5	397.4	374.0	372.0
57.5°	1020.7	426.6	340.9	319.4	280.5	286.3	331.1	375.9	374.0	342.8	342.8
60°	1139.5	432.4	321.4	301.9	264.9	266.9	311.7	356.5	344.8	313.6	311.7
62.5°	1238.8	426.6	298.0	282.4	249.3	243.5	288.3	333.1	323.3	290.2	290.2
65°	1324.5	403.2	278.5	263.0	233.7	224.0	264.9	303.9	296.1	264.9	266.9
67.5°	1359.6	366.2	259.1	243.5	216.2	202.6	237.6	268.8	266.9	241.5	243.5
70°	1307.0	315.5	237.6	224.0	196.7	179.2	210.4	237.6	237.6	220.1	220.1
72.5°	1194.0	278.5	214.3	202.6	173.4	159.7	185.0	206.5	210.4	198.7	200.6
75°	1067.4	243.5	187.0	181.1	153.9	136.3	157.8	179.2	183.1	177.3	177.3
77.5°	804.5	188.9	157.8	157.8	134.4	116.9	134.4	153.9	157.8	155.8	153.9
80°	407.1	134.4	126.6	134.4	111.0	97.4	111.0	128.6	134.4	146.1	146.1
82.5°	138.3	87.7	95.4	109.1	89.6	77.9	85.7	105.2	138.3	118.8	116.9
85°	39.0	39.0	50.6	58.4	60.4	52.6	60.4	99.3	79.9	68.2	66.2
87.5°	3.9	5.8	7.8	11.7	9.7	11.7	15.6	19.5	13.6	9.7	7.8
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)