

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: P695075

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T2R**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695075  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-6)  
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-T2R  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4272 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

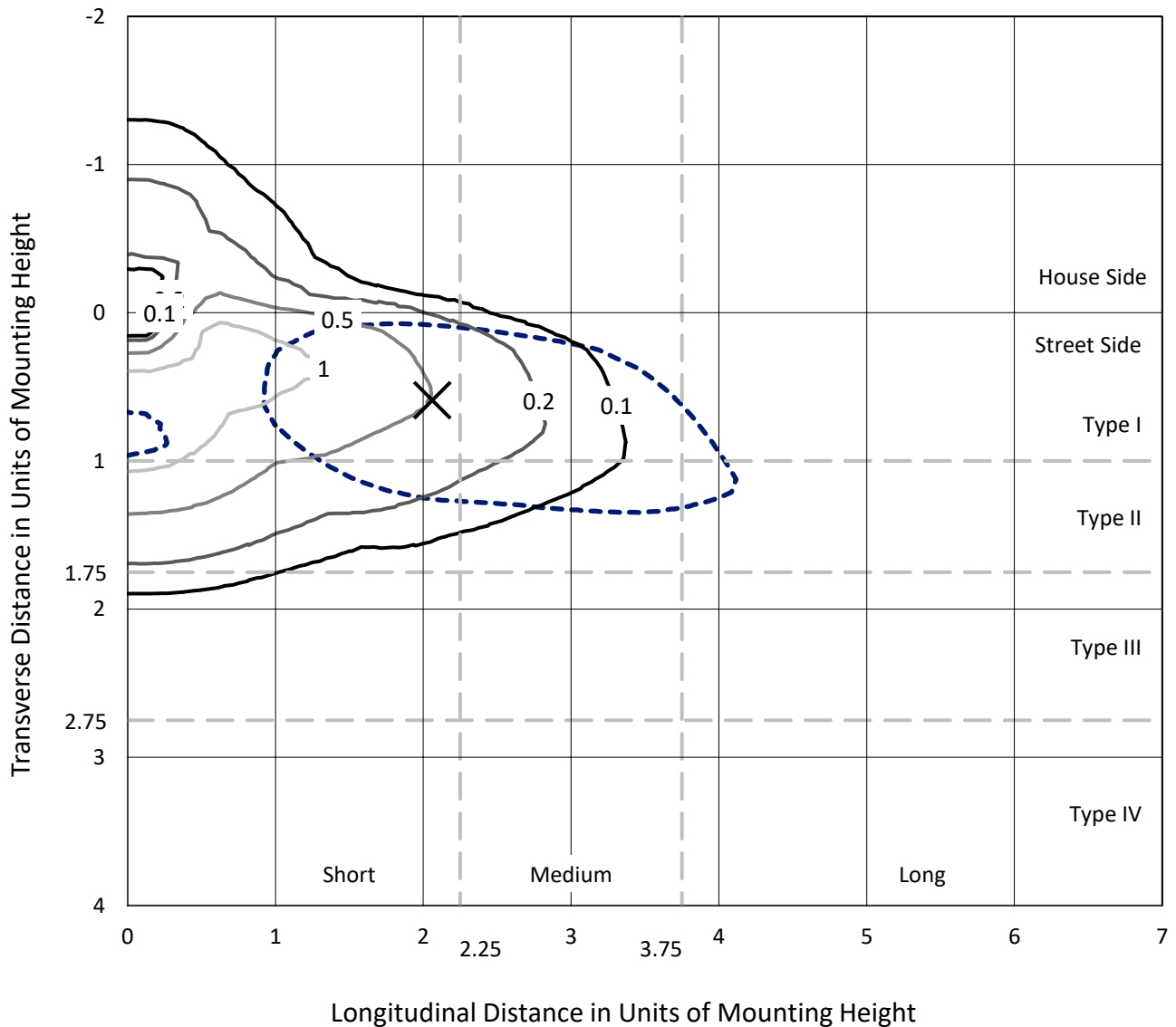
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

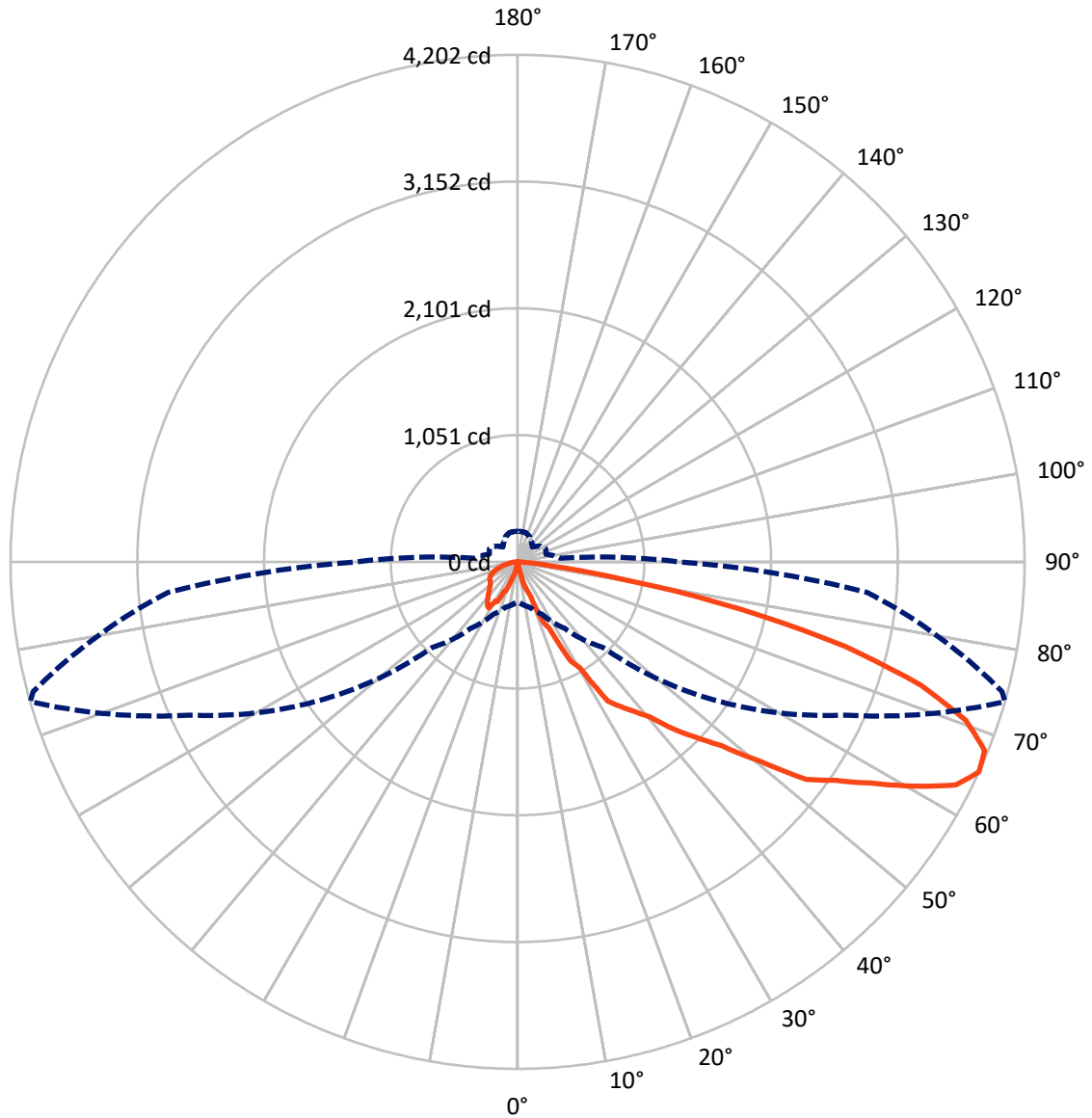
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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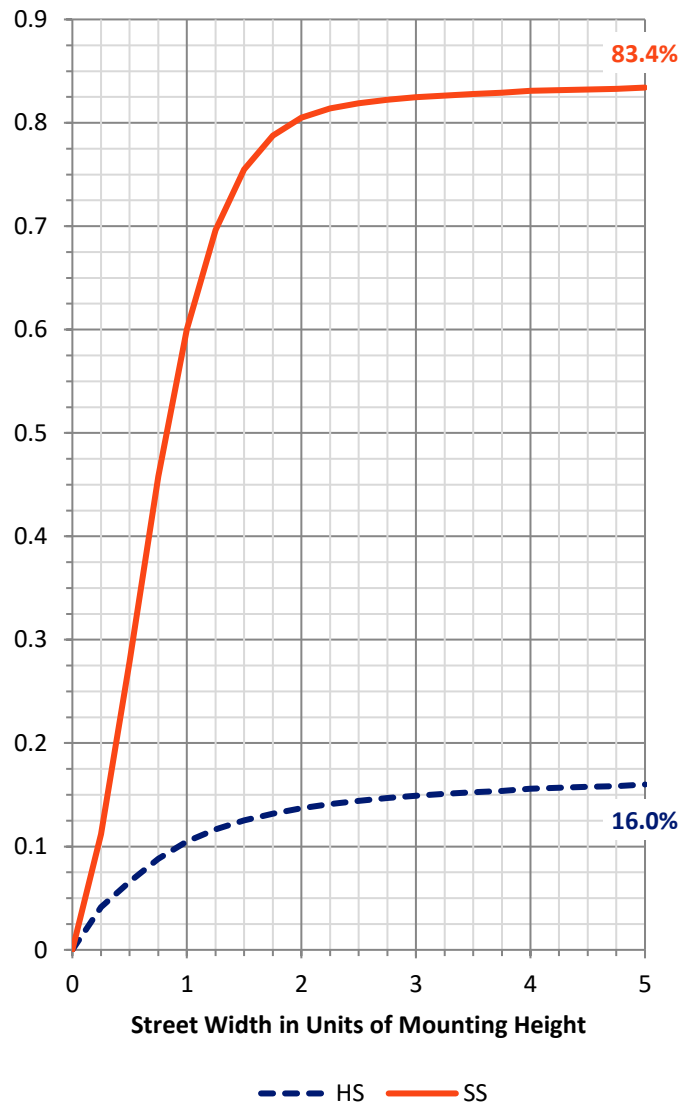
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	700.0	0.0	700.0
	% Fixture	16.4	0.0	16.4
<b>Street Side</b>	Lumens	3572.0	0.0	3572.0
	% Fixture	83.6	0.0	83.6
<b>Total</b>	Lumens	4272.0	0.0	4272.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	41.8	1.0
20°-30°	251.9	5.9
30°-40°	610.0	14.3
40°-50°	854.9	20.0
50°-60°	1010.0	23.6
60°-70°	926.3	21.7
70°-80°	501.8	11.7
80°-90°	75.2	1.8
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°	4272.0	100.0
0°-180°	4272.0	100.0

**Coefficient of Utilization**

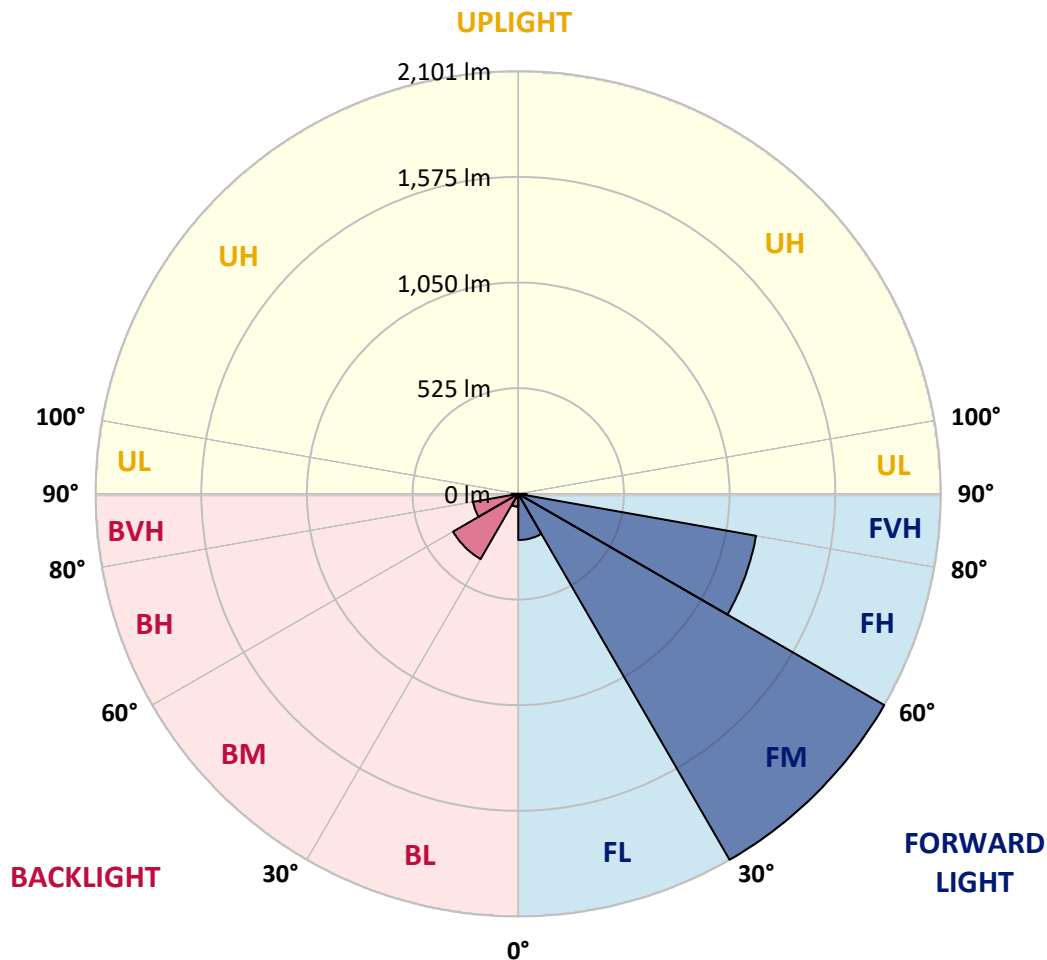


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.8	5.4			
FM (30°-60°)	2100.5	49.2			
FH (60°-80°)	1200.1	28.1			G1/1800
FVH (80°-90°)	41.6	1.0			G1/100
BL (0°-30°)	64.0	1.5	B0/110		
BM (30°-60°)	374.4	8.8	B1/1000		
BH (60°-80°)	227.9	5.3	B1/500		G1/500
BVH (80°-90°)	33.6	0.8			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 II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	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	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
5°	0.0	0.0	0.0	0.0	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°	20.9	19.4	14.9	9.0	4.5	1.5	1.5	1.5	1.5	1.5	1.5
12.5°	256.7	256.7	253.8	232.9	29.9	10.4	3.0	7.5	14.9	17.9	19.4
15°	291.1	288.1	288.1	285.1	277.6	64.2	28.4	223.9	204.5	198.5	152.3
17.5°	449.3	507.5	344.8	320.9	312.0	256.7	244.8	264.2	234.4	229.9	176.1
20°	683.7	683.7	679.2	671.7	362.7	500.1	470.2	303.0	307.5	370.2	350.8
22.5°	764.3	761.3	746.4	735.9	791.1	541.9	510.5	556.8	543.3	538.9	412.0
25°	1227.0	1213.6	1192.7	838.9	865.8	761.3	758.3	712.0	609.0	598.6	473.2
27.5°	1341.9	1331.5	1313.6	1197.2	989.7	1000.1	794.1	853.8	922.5	928.5	710.5
30°	1913.7	1897.2	1691.2	1327.0	1253.9	1089.7	1109.1	1082.2	1021.0	997.1	767.3
32.5°	2043.5	2034.6	1995.8	1731.5	1362.8	1291.2	1241.9	1194.2	1377.8	1346.4	1079.2
35°	2146.5	2130.1	2091.3	1797.2	1665.9	1500.2	1356.9	1501.7	1474.8	1444.9	1137.4
37.5°	2203.2	2185.3	2146.5	1870.4	1746.5	1574.8	1609.1	1592.7	1574.8	1562.9	1200.1
40°	2192.8	2177.9	2154.0	1918.1	1795.7	1621.1	1731.5	1706.2	1691.2	1753.9	1277.8
42.5°	2143.5	2128.6	2112.2	1942.0	1824.1	1655.4	1834.5	1868.9	1897.2	1885.3	1364.3
45°	2042.0	2028.6	2028.6	1918.1	1809.2	1683.8	1924.1	2036.1	2076.4	2031.6	1476.3
47.5°	1936.1	1925.6	1927.1	1852.5	1780.8	1710.7	2034.6	2171.9	2277.9	2224.1	1637.5
50°	1789.8	1785.3	1807.7	1789.8	1746.5	1713.6	2155.5	2397.3	2594.3	2576.4	1882.3
52.5°	1574.8	1577.8	1640.5	1680.8	1677.8	1692.7	2212.2	2613.7	2994.4	2946.6	2070.4
55°	1389.7	1379.3	1430.0	1522.6	1553.9	1656.9	2243.5	2672.0	3198.9	3152.6	2230.1
57.5°	1156.9	1158.3	1215.1	1310.6	1395.7	1573.3	2270.4	2777.9	3461.6	3407.9	2452.5
60°	865.8	895.6	958.3	1055.3	1179.2	1434.5	2265.9	2922.7	3776.6	3742.2	2707.8
62.5°	565.7	576.2	664.3	759.8	950.9	1255.4	2188.3	3027.2	4075.1	4012.4	2876.5
65°	329.9	349.3	389.6	480.7	670.2	1004.6	2001.7	3006.3	4202.0	4155.7	2907.8
67.5°	222.4	225.4	244.8	297.1	419.5	722.5	1689.8	2809.3	4173.6	4131.8	2821.2
70°	186.6	188.1	194.1	200.0	241.8	467.2	1225.5	2416.7	3940.8	3909.4	2610.8
72.5°	167.2	168.7	171.7	167.2	170.2	270.2	804.6	2004.7	3491.5	3452.6	2261.5
75°	152.3	152.3	152.3	149.3	144.8	165.7	447.8	1539.0	2806.3	2724.2	1719.6
77.5°	132.9	132.9	131.4	131.4	129.9	123.9	219.4	1086.7	1886.8	1806.2	1015.0
80°	109.0	109.0	109.0	110.5	109.0	92.5	117.9	653.8	913.5	895.6	392.6
82.5°	65.7	67.2	76.1	88.1	86.6	65.7	79.1	301.5	277.6	261.2	122.4
85°	9.0	7.5	20.9	29.9	35.8	23.9	32.8	68.7	64.2	67.2	29.9
87.5°	0.0	0.0	0.0	1.5	1.5	3.0	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	0.0	0.0	0.0	1.5	1.5	0.0
5°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	23.9	22.4	14.9	6.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
15°	135.8	123.9	113.4	95.5	19.4	3.0	1.5	10.4	23.9	53.7	55.2
17.5°	155.2	140.3	126.9	117.9	106.0	31.3	22.4	109.0	114.9	114.9	114.9
20°	300.0	265.7	183.6	132.9	114.9	95.5	104.5	117.9	122.4	123.9	123.9
22.5°	344.8	298.5	258.2	226.9	132.9	164.2	153.7	128.4	201.5	207.5	209.0
25°	392.6	337.4	273.2	237.3	225.4	168.7	176.1	198.5	213.5	213.5	213.5
27.5°	576.2	471.7	380.6	273.2	241.8	206.0	216.4	204.5	220.9	270.2	279.1
30°	616.5	492.6	379.1	304.5	256.7	240.3	216.4	267.2	286.6	286.6	285.1
32.5°	841.9	644.9	468.7	303.0	277.6	237.3	259.7	276.2	289.6	309.0	316.5
35°	876.2	643.4	450.8	349.3	273.2	249.3	264.2	294.1	343.3	350.8	346.3
37.5°	903.1	631.4	423.9	332.9	294.1	259.7	271.7	322.4	344.8	341.8	335.9
40°	934.4	615.0	394.1	320.9	283.6	259.7	289.6	320.9	329.9	316.5	313.5
42.5°	973.2	594.1	367.2	306.0	273.2	258.2	286.6	303.0	303.0	300.0	297.1
45°	1027.0	574.7	341.8	289.6	268.7	252.3	279.1	279.1	297.1	294.1	292.6
47.5°	1121.0	555.3	319.4	276.2	262.7	244.8	259.7	270.2	291.1	289.6	288.1
50°	1222.5	534.4	301.5	267.2	256.7	235.8	237.3	261.2	285.1	283.6	282.1
52.5°	1286.7	497.1	288.1	264.2	250.8	226.9	229.9	253.8	280.6	277.6	274.7
55°	1334.5	464.2	279.1	262.7	244.8	206.0	223.9	247.8	274.7	270.2	267.2
57.5°	1400.2	437.4	273.2	265.7	240.3	191.1	216.4	241.8	268.7	264.2	264.2
60°	1464.4	415.0	267.2	267.2	238.8	183.6	210.5	237.3	262.7	261.2	261.2
62.5°	1462.9	388.1	256.7	265.7	237.3	177.6	206.0	232.9	256.7	258.2	256.7
65°	1336.0	353.8	241.8	256.7	226.9	173.2	200.0	232.9	250.8	252.3	252.3
67.5°	1174.8	310.5	217.9	241.8	209.0	170.2	195.5	228.4	240.3	247.8	247.8
70°	991.2	255.3	188.1	220.9	191.1	167.2	195.5	220.9	228.4	243.3	241.8
72.5°	812.0	201.5	156.7	192.6	171.7	164.2	197.0	210.5	213.5	232.9	226.9
75°	618.0	152.3	125.4	156.7	147.8	161.2	194.1	195.5	194.1	200.0	191.1
77.5°	401.5	114.9	101.5	119.4	122.4	153.7	188.1	177.6	168.7	164.2	159.7
80°	183.6	82.1	77.6	92.5	91.1	141.8	177.6	158.2	144.8	137.3	131.4
82.5°	74.6	53.7	53.7	67.2	62.7	123.9	159.7	135.8	119.4	113.4	110.5
85°	20.9	22.4	23.9	35.8	37.3	95.5	128.4	106.0	86.6	128.4	117.9
87.5°	3.0	3.0	3.0	4.5	4.5	6.0	17.9	23.9	31.3	13.4	11.9
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)