

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: P695150

Luminaire Tested: **LXF.LXT-PA16-40-740-U-T4W**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695150  
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-PA16-40-740-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4777 lumens  
Efficiency: N/A  
Efficacy: 118.8 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

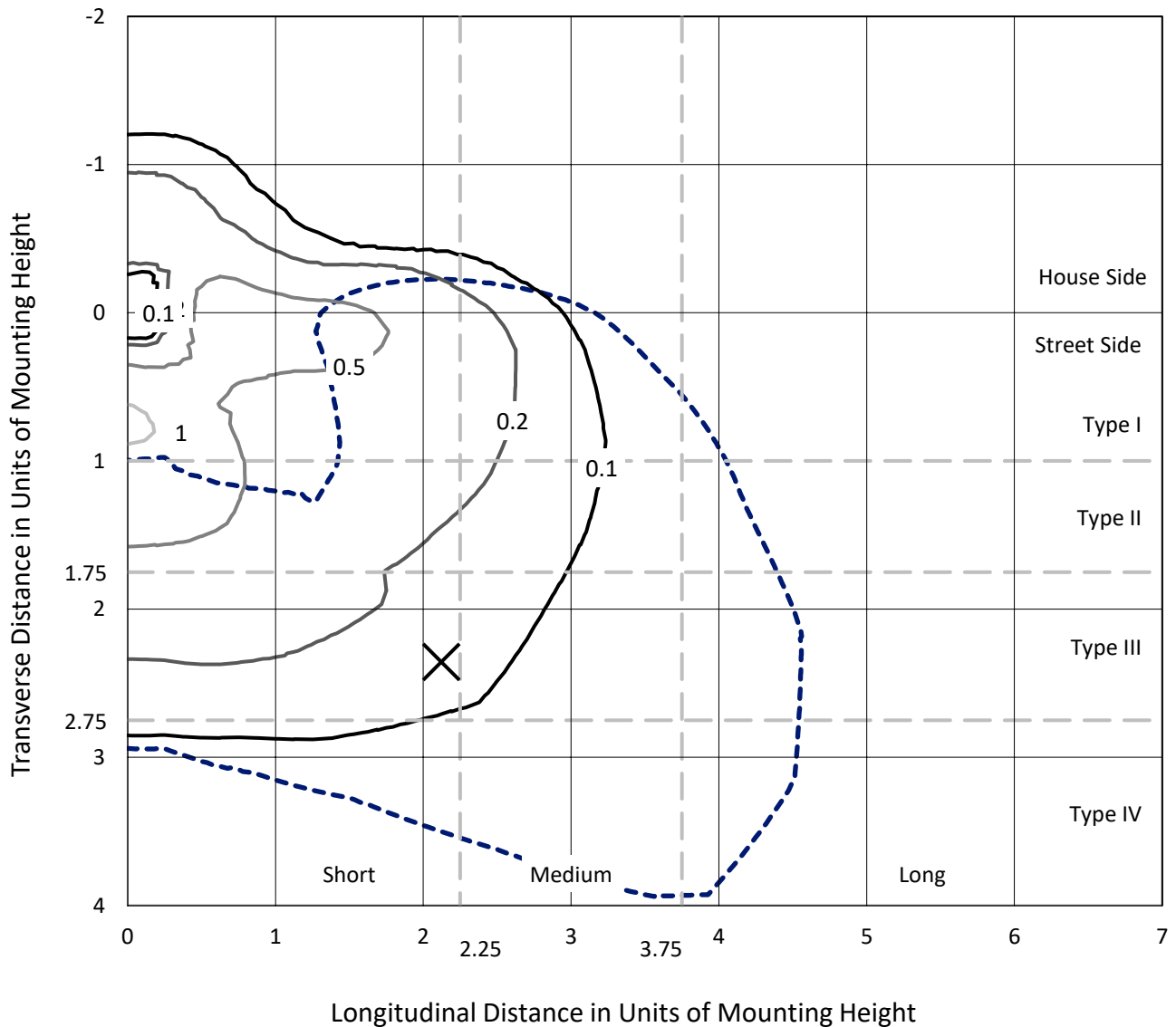
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695150  
 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T4W

### Iso-Footcandle Lines of Horizontal Illumination

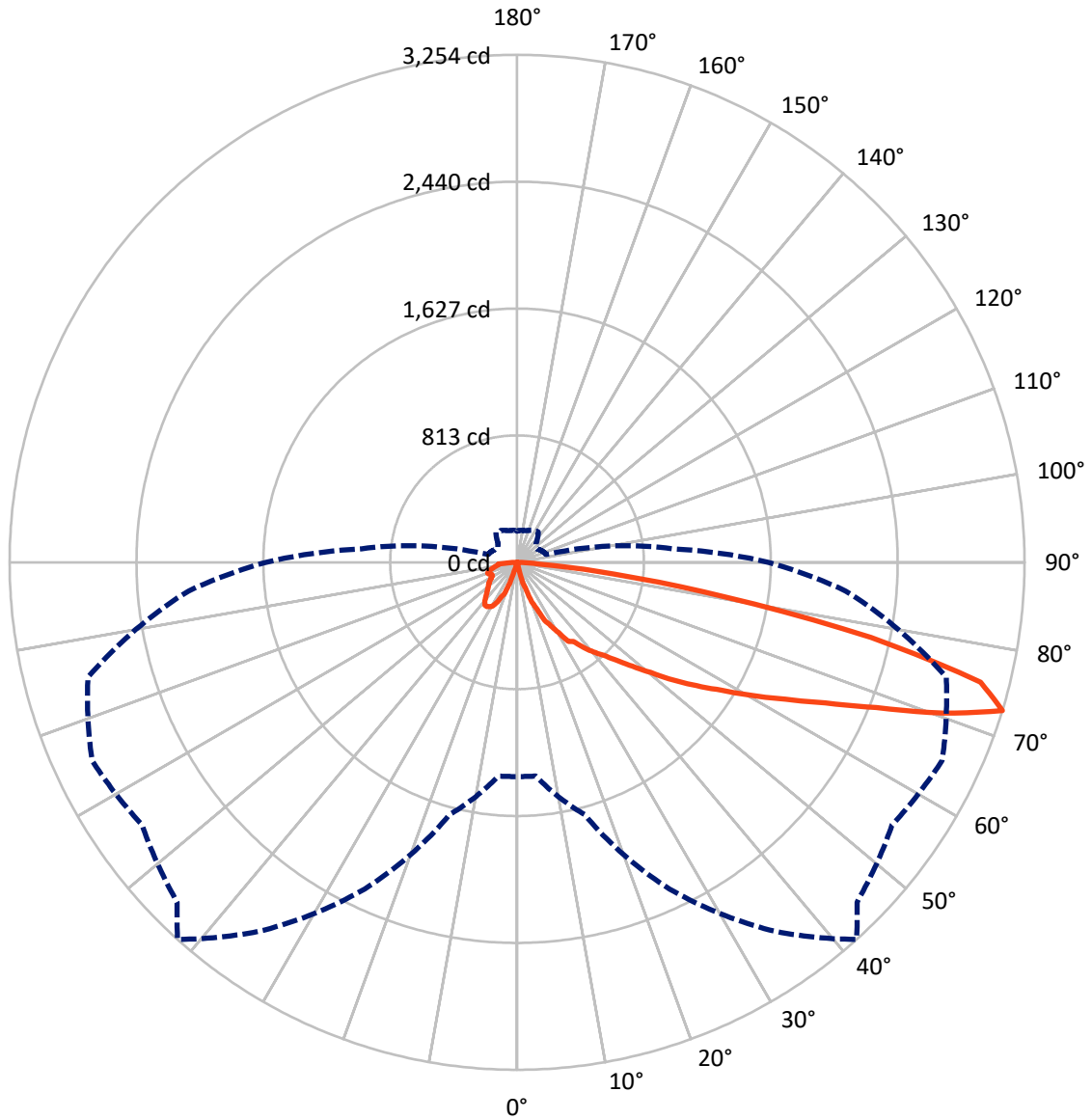
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Short - N/A

REPORT NUMBER: P695150  
CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T4W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P695150  
 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T4W

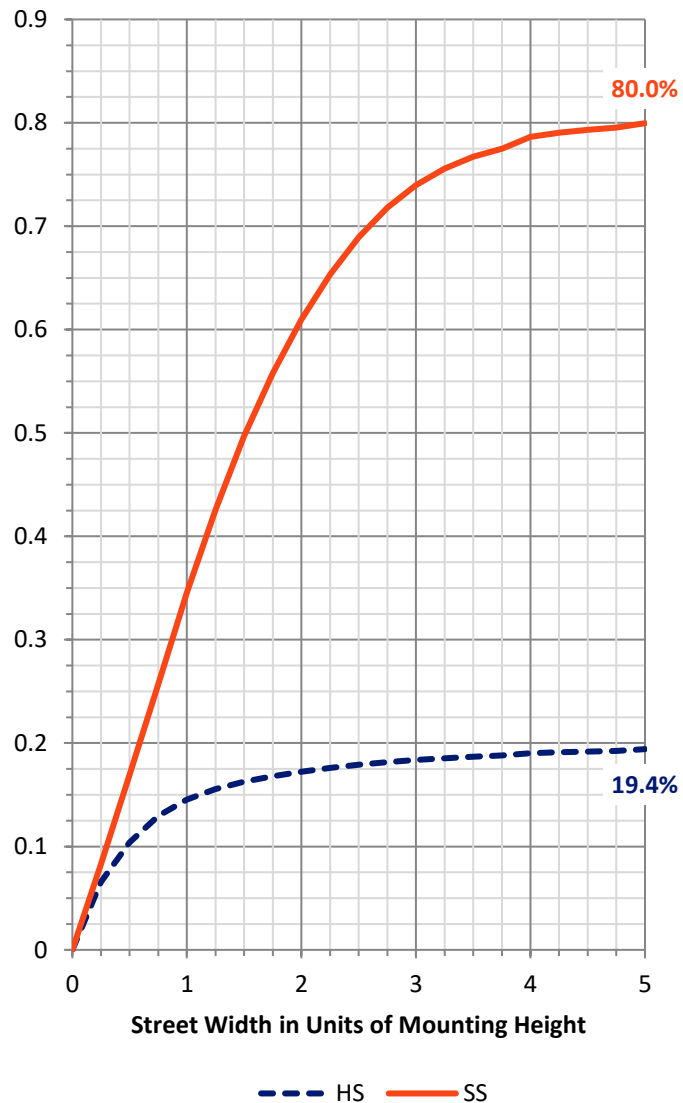
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	952.5	0.0	952.5
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	3824.5	0.0	3824.5
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	4777.0	0.0	4777.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	33.8	0.7
20°-30°	181.4	3.8
30°-40°	410.8	8.6
40°-50°	607.9	12.7
50°-60°	934.4	19.6
60°-70°	1371.1	28.7
70°-80°	1096.3	22.9
80°-90°	141.0	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°	4777.0	100.0
0°-180°	4777.0	100.0

**Coefficient of Utilization**



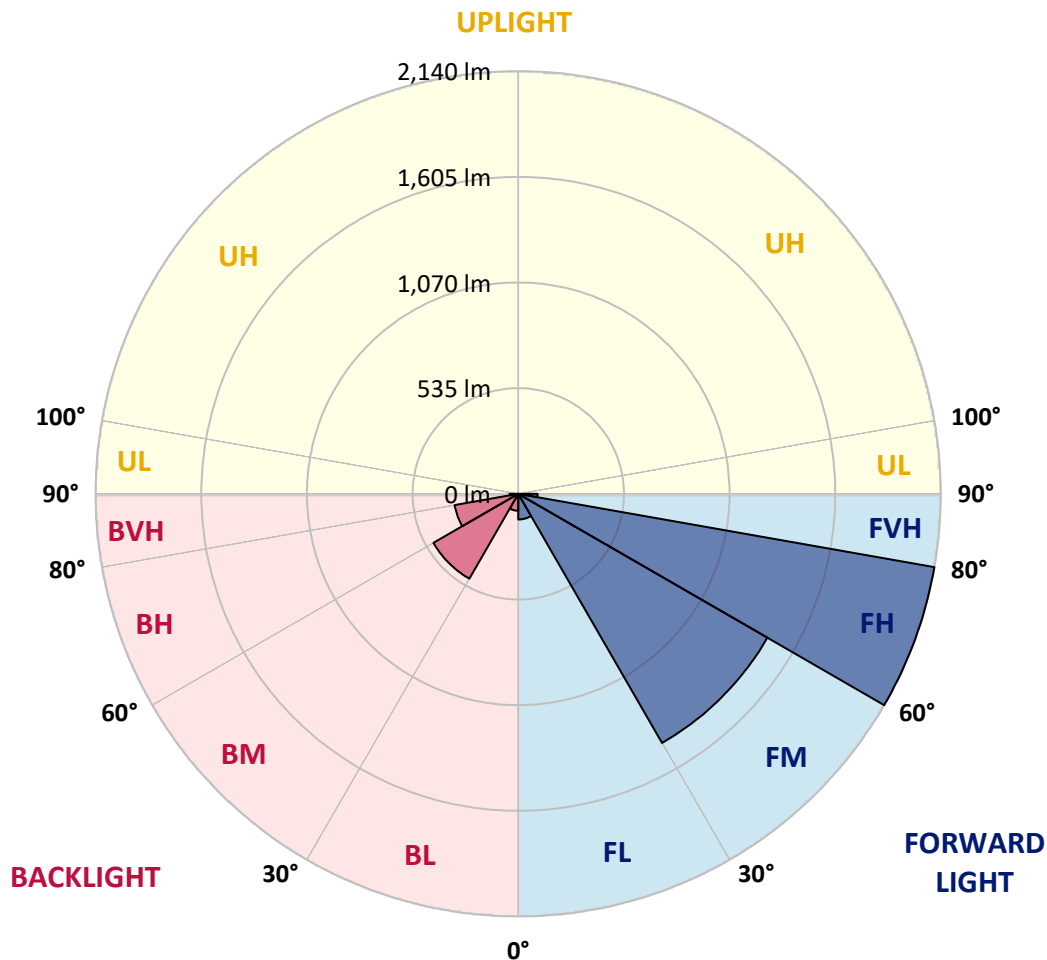
REPORT NUMBER: P695150  
 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T4W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.8	2.7			
FM (30°-60°)	1457.1	30.5			
FH (60°-80°)	2140.2	44.8			G2/5000
FVH (80°-90°)	97.4	2.0			G1/100
BL (0°-30°)	85.7	1.8	B0/110		
BM (30°-60°)	496.1	10.4	B1/1000		
BH (60°-80°)	327.2	6.8	B1/500		G1/500
BVH (80°-90°)	43.6	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



REPORT NUMBER: P695150  
 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T4W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	42°	45°	55°	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	1.6	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°	40.9	37.6	32.7	13.1	4.9	1.6	1.6	1.6	1.6	1.6	1.6
12.5°	175.0	175.0	170.0	157.0	36.0	19.6	9.8	3.3	11.4	24.5	31.1
15°	199.5	199.5	192.9	183.1	166.8	139.0	68.7	31.1	135.7	148.8	145.5
17.5°	356.4	328.6	240.4	207.7	186.4	170.0	168.4	155.3	170.0	166.8	163.5
20°	413.7	412.0	397.3	372.8	222.4	271.4	274.7	256.7	196.2	242.0	304.1
22.5°	448.0	441.5	415.3	387.5	408.8	325.4	300.9	282.9	327.0	363.0	354.8
25°	605.0	601.7	580.4	418.6	433.3	413.7	397.3	403.9	415.3	399.0	403.9
27.5°	644.2	636.0	608.2	546.1	472.5	459.5	492.2	441.5	488.9	587.0	575.5
30°	933.6	922.2	776.7	603.3	565.7	523.2	515.0	551.0	593.5	609.9	605.0
32.5°	1061.2	1048.1	995.8	791.4	609.9	605.0	575.5	598.4	609.9	753.8	801.2
35°	1216.5	1203.4	1136.4	899.3	735.8	623.0	629.5	606.6	719.4	771.8	827.3
37.5°	1324.4	1311.3	1272.1	992.5	819.2	694.9	655.7	676.9	732.5	802.8	858.4
40°	1425.8	1417.6	1393.1	1110.2	909.1	755.4	701.4	706.3	760.3	850.2	899.3
42.5°	1530.4	1525.5	1512.4	1221.4	990.8	815.9	758.7	742.3	820.8	894.4	959.8
45°	1623.6	1635.1	1628.5	1337.5	1079.1	896.0	830.6	799.5	894.4	964.7	1054.6
47.5°	1671.0	1671.0	1707.0	1455.2	1174.0	995.8	918.9	879.7	990.8	1077.5	1188.7
50°	1738.1	1744.6	1747.9	1576.2	1303.1	1110.2	1017.0	977.8	1090.6	1239.4	1409.4
52.5°	1914.7	1975.2	1834.5	1693.9	1465.0	1255.7	1123.3	1080.8	1221.4	1438.9	1692.3
55°	1976.8	1989.9	1950.6	1852.5	1602.4	1396.3	1241.0	1203.4	1424.1	1671.0	2004.6
57.5°	2030.8	2014.4	2065.1	2024.2	1782.2	1546.8	1383.3	1362.0	1641.6	1927.7	2320.2
60°	2083.1	2089.6	2161.6	2222.1	1947.4	1733.2	1540.2	1590.9	1862.3	2195.9	2619.4
62.5°	2128.9	2145.2	2271.1	2338.1	2092.9	1931.0	1747.9	1885.2	2109.2	2460.8	2864.6
65°	2089.6	2112.5	2370.8	2413.4	2290.7	2171.4	1986.6	2179.5	2411.7	2688.0	3020.0
67.5°	2030.8	2052.0	2354.5	2537.6	2518.0	2483.7	2279.3	2460.8	2727.3	2918.6	3011.8
70°	1849.3	1875.4	2187.7	2581.8	2804.1	2895.7	2675.0	2720.7	2966.0	3008.5	2706.0
72.5°	1373.5	1375.1	1675.9	2310.3	2889.2	3253.8	3082.1	2934.9	3006.9	2848.3	2115.8
75°	650.8	642.6	863.3	1468.3	2418.3	3069.0	3070.7	2876.1	2714.2	2334.9	1362.0
77.5°	191.3	194.6	273.1	606.6	1550.0	2320.2	2467.3	2357.8	2068.4	1308.1	598.4
80°	96.5	104.6	135.7	210.9	675.3	1353.8	1541.9	1522.2	1174.0	436.6	206.0
82.5°	47.4	49.1	73.6	114.5	294.3	629.5	806.1	706.3	374.4	209.3	104.6
85°	13.1	11.4	21.3	39.2	91.6	134.1	161.9	132.4	112.8	88.3	42.5
87.5°	0.0	1.6	1.6	3.3	3.3	4.9	4.9	4.9	4.9	4.9	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

REPORT NUMBER: P695150  
 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T4W

**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	1.6	1.6	1.6	1.6	1.6
5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
10°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
12.5°	31.1	27.8	21.3	11.4	3.3	1.6	1.6	1.6	1.6	3.3	3.3
15°	142.3	140.6	139.0	127.5	27.8	4.9	3.3	14.7	50.7	76.8	93.2
17.5°	161.9	160.2	158.6	155.3	143.9	36.0	47.4	129.2	155.3	157.0	158.6
20°	299.2	292.7	220.7	171.7	158.6	143.9	137.3	158.6	165.1	170.0	171.7
22.5°	348.3	341.7	327.0	304.1	183.1	222.4	207.7	173.3	271.4	292.7	295.9
25°	395.7	387.5	353.2	325.4	310.7	237.1	263.2	279.6	307.4	313.9	317.2
27.5°	567.4	546.1	503.6	361.3	338.5	286.1	307.4	295.9	353.2	412.0	416.9
30°	603.3	582.1	523.2	433.3	358.1	330.3	307.4	385.9	426.8	439.8	446.4
32.5°	804.5	783.2	676.9	436.6	381.0	325.4	359.7	394.1	423.5	511.8	520.0
35°	835.5	809.4	686.7	505.2	367.9	338.5	356.4	408.8	487.2	516.7	521.6
37.5°	869.9	840.4	676.9	474.2	390.8	340.1	348.3	402.2	448.0	461.1	467.6
40°	922.2	878.0	660.6	439.8	367.9	320.5	338.5	369.5	395.7	390.8	395.7
42.5°	992.5	923.8	634.4	400.6	340.1	294.3	313.9	333.6	349.9	335.2	331.9
45°	1080.8	989.2	605.0	366.3	310.7	271.4	289.4	305.8	317.2	291.0	287.8
47.5°	1208.3	1064.4	569.0	330.3	286.1	253.4	269.8	281.2	287.8	263.2	258.3
50°	1381.6	1164.2	528.1	300.9	264.9	237.1	256.7	263.2	258.3	240.4	237.1
52.5°	1599.1	1316.2	487.2	278.0	246.9	225.6	243.6	242.0	237.1	224.0	222.4
55°	1870.5	1519.0	452.9	261.6	232.2	214.2	227.3	227.3	225.6	214.2	214.2
57.5°	2155.0	1710.3	412.0	246.9	215.8	197.8	214.2	217.5	215.8	207.7	206.0
60°	2392.1	1867.2	351.5	233.8	197.8	184.8	202.7	209.3	207.7	199.5	197.8
62.5°	2527.8	1891.8	289.4	215.8	183.1	173.3	196.2	206.0	217.5	222.4	222.4
65°	2555.6	1792.0	248.5	202.7	173.3	170.0	202.7	232.2	242.0	248.5	251.8
67.5°	2442.8	1584.4	224.0	194.6	166.8	176.6	230.5	246.9	237.1	233.8	233.8
70°	2130.5	1314.6	206.0	184.8	158.6	184.8	240.4	235.4	222.4	225.6	224.0
72.5°	1612.2	1000.7	192.9	175.0	150.4	171.7	237.1	225.6	209.3	206.0	199.5
75°	976.1	587.0	178.2	163.5	130.8	152.1	227.3	215.8	199.5	192.9	188.0
77.5°	377.7	271.4	161.9	150.4	112.8	134.1	210.9	206.0	189.7	176.6	175.0
80°	160.2	143.9	139.0	132.4	96.5	116.1	189.7	191.3	166.8	150.4	145.5
82.5°	89.9	88.3	107.9	107.9	80.1	103.0	171.7	171.7	147.2	137.3	125.9
85°	29.4	34.3	57.2	65.4	58.9	96.5	166.8	158.6	127.5	106.3	101.4
87.5°	3.3	3.3	6.5	13.1	14.7	24.5	47.4	55.6	39.2	32.7	32.7
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)