

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: P695175

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695175
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-PA16-40-750-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4754 lumens
Efficiency: N/A
Efficacy: 118.3 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

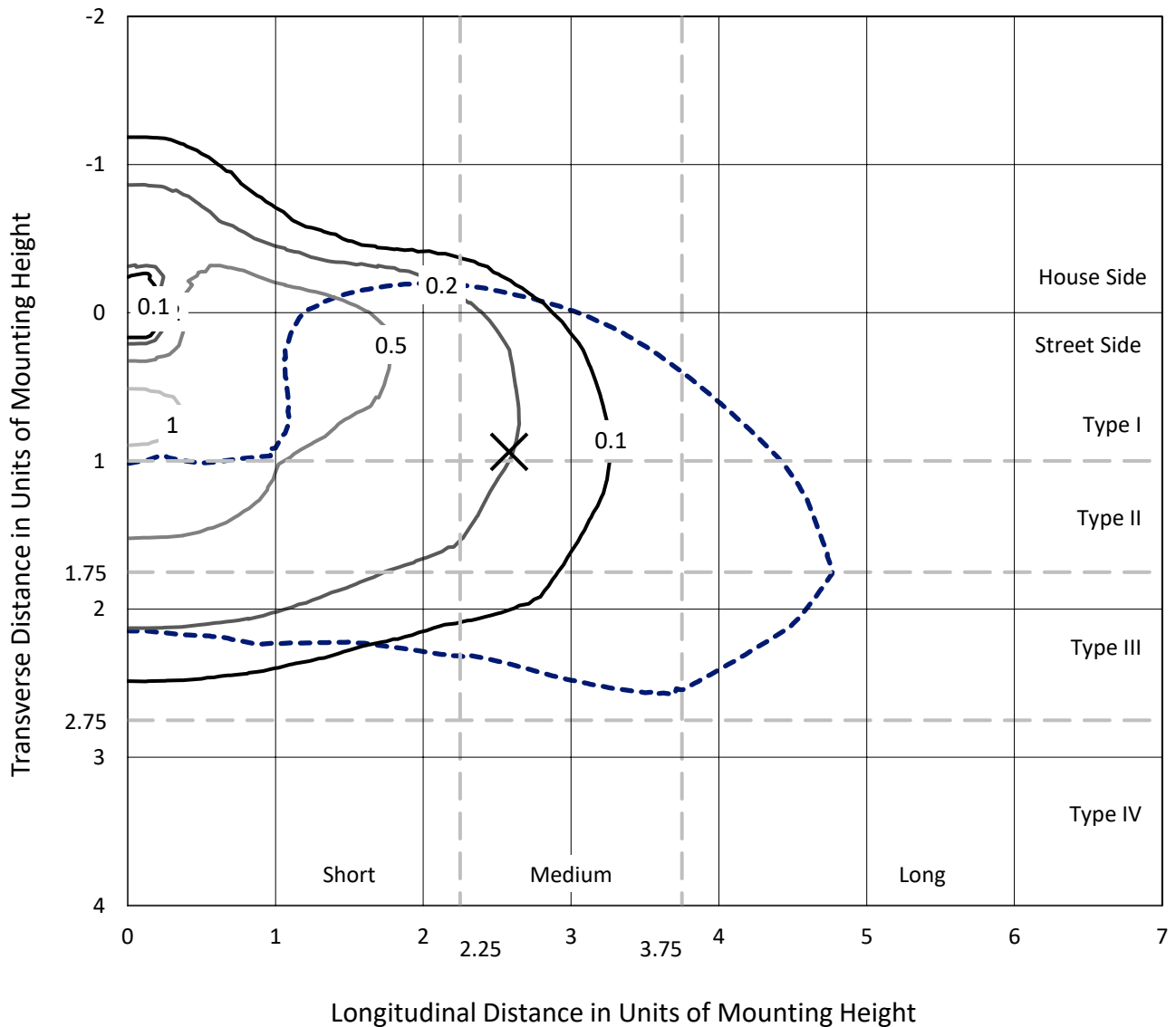
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

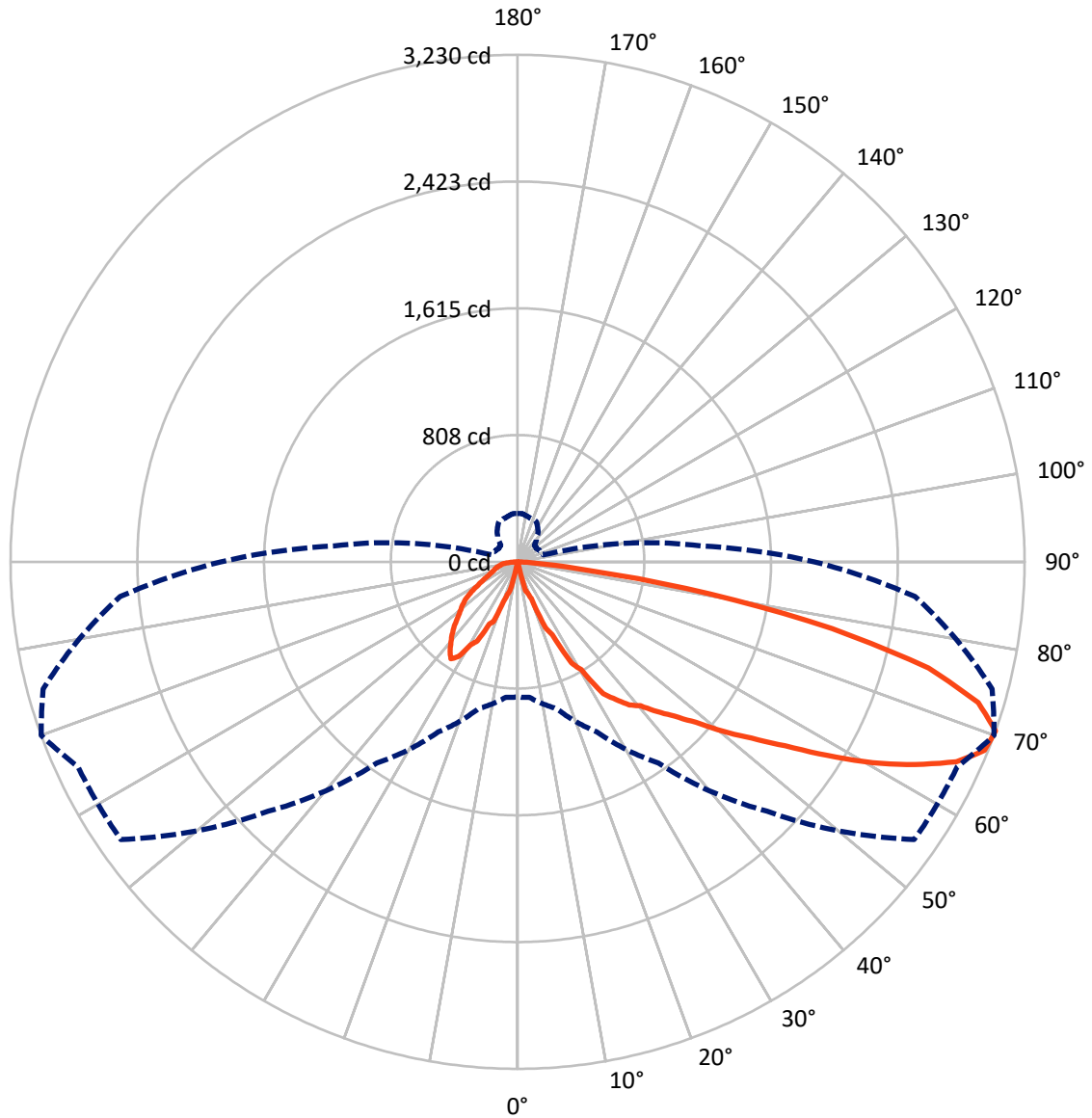
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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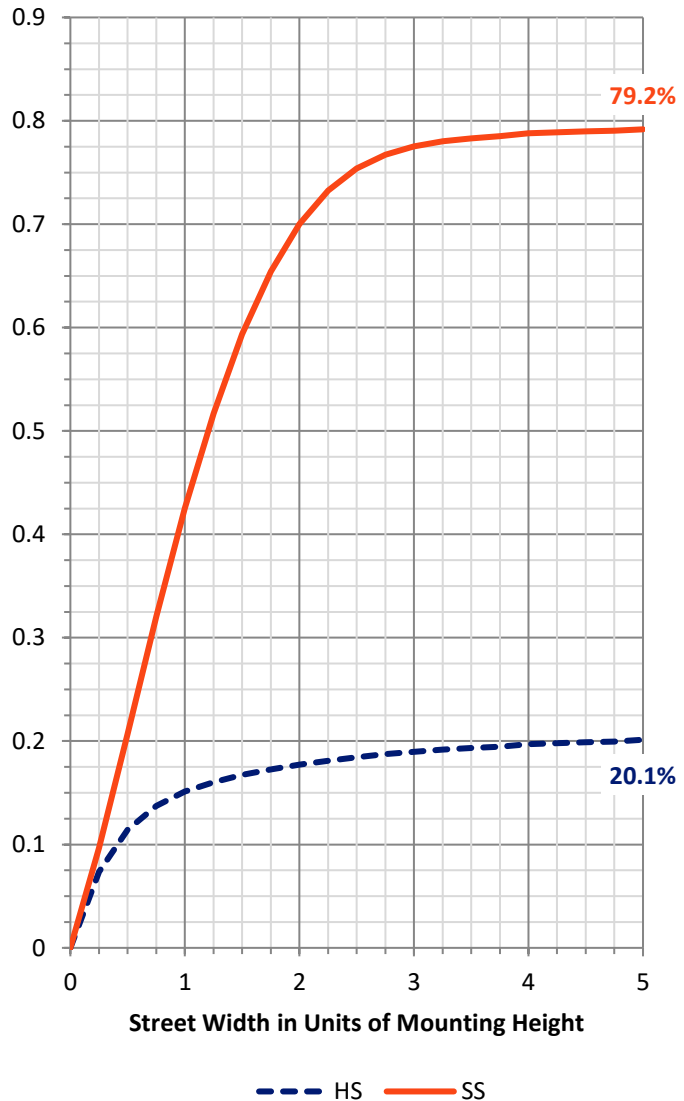
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	979.7	0.0	979.7
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	3774.3	0.0	3774.3
	% Fixture	79.4	0.0	79.4
Total	Lumens	4754.0	0.0	4754.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	40.2	0.8
20°-30°	227.4	4.8
30°-40°	505.8	10.6
40°-50°	723.4	15.2
50°-60°	1051.2	22.1
60°-70°	1319.3	27.8
70°-80°	783.5	16.5
80°-90°	103.0	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°	4754.0	100.0
0°-180°	4754.0	100.0

Coefficient of Utilization

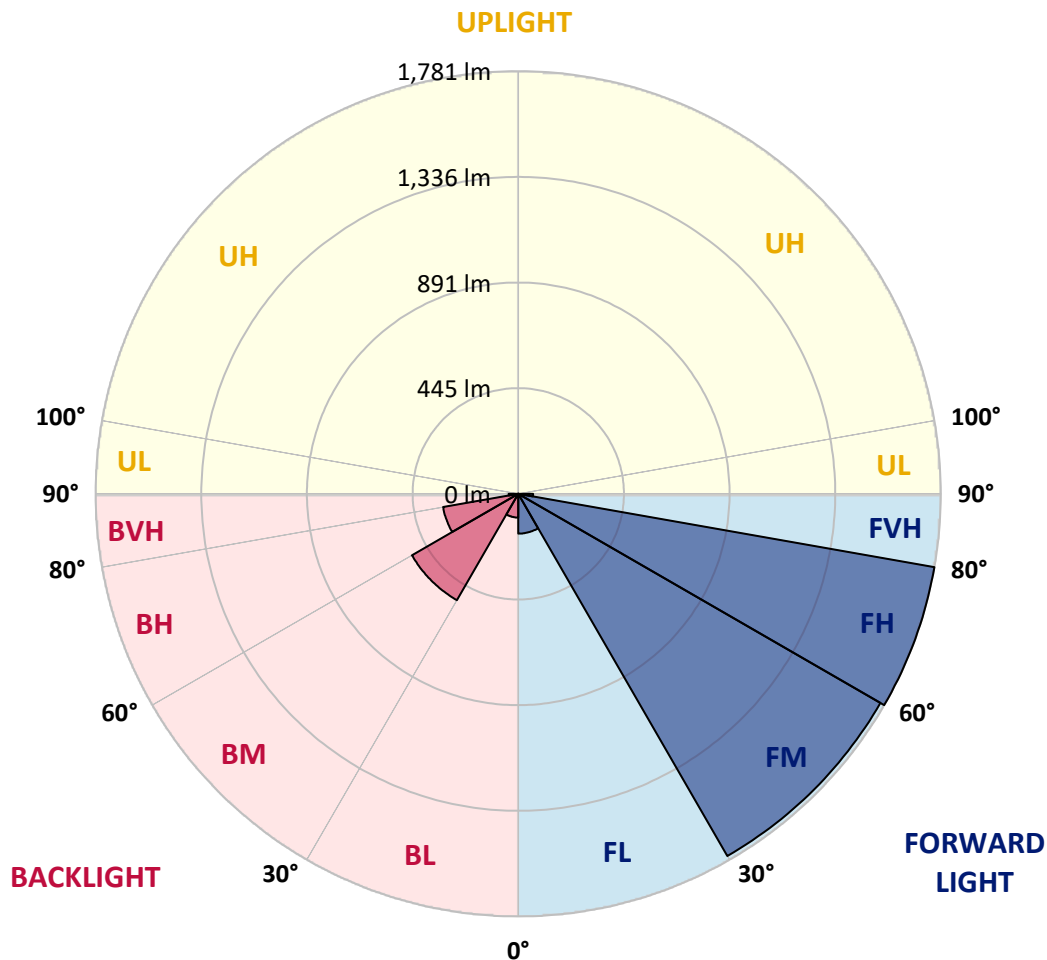


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.7	3.5			
FM (30°-60°)	1762.8	37.1			
FH (60°-80°)	1781.2	37.5			G1/1800
FVH (80°-90°)	62.5	1.3			G1/100
BL (0°-30°)	100.1	2.1	B0/110		
BM (30°-60°)	517.5	10.9	B1/1000		
BH (60°-80°)	321.6	6.8	B1/500		G1/500
BVH (80°-90°)	40.5	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°	1.6	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
10°	21.3	22.9	14.7	8.2	3.3	1.6	1.6	1.6	1.6	1.6	1.6
12.5°	189.6	189.6	188.0	121.0	37.6	8.2	3.3	9.8	18.0	19.6	29.4
15°	210.9	210.9	210.9	207.6	197.8	68.7	31.1	173.3	189.6	194.5	194.5
17.5°	277.9	282.8	256.6	230.5	219.1	191.3	184.7	207.6	210.9	214.1	215.8
20°	472.4	472.4	472.4	421.8	259.9	335.1	307.3	237.0	248.5	297.5	410.3
22.5°	526.4	524.7	513.3	497.0	532.9	372.7	349.8	413.6	456.1	470.8	464.3
25°	805.9	804.3	761.8	562.3	586.9	503.5	526.4	524.7	514.9	519.8	513.3
27.5°	874.6	871.3	868.0	791.2	649.0	680.0	611.4	683.3	729.1	763.4	742.2
30°	1229.3	1159.0	1018.4	897.5	828.8	729.1	786.3	828.8	797.7	812.5	778.1
32.5°	1299.6	1306.1	1299.6	1131.2	922.0	830.4	882.7	879.5	1002.1	1044.6	1033.1
35°	1369.9	1365.0	1355.2	1204.8	1072.4	957.9	930.1	1077.3	1077.3	1101.8	1067.5
37.5°	1425.5	1423.8	1410.8	1245.6	1147.6	1003.7	1052.8	1155.7	1157.4	1181.9	1106.7
40°	1472.9	1474.5	1469.6	1289.8	1208.0	1052.8	1110.0	1232.6	1206.4	1242.4	1172.1
42.5°	1513.7	1518.6	1526.8	1355.2	1260.4	1101.8	1163.9	1288.2	1304.5	1347.0	1266.9
45°	1588.9	1598.7	1610.2	1458.2	1330.7	1167.2	1237.5	1399.3	1402.6	1466.3	1397.7
47.5°	1683.7	1690.3	1714.8	1569.3	1435.3	1262.0	1312.7	1481.0	1528.5	1608.6	1554.6
50°	1765.5	1778.6	1811.3	1705.0	1579.1	1400.9	1418.9	1602.0	1696.8	1768.8	1719.7
52.5°	1827.6	1839.0	1888.1	1819.4	1731.2	1549.7	1553.0	1770.4	1866.8	1966.6	1937.1
55°	1878.3	1891.4	1937.1	1927.3	1870.1	1672.3	1737.7	1932.2	2067.9	2185.6	2152.9
57.5°	1886.5	1884.8	1971.5	2000.9	1966.6	1834.1	1971.5	2108.8	2326.2	2419.4	2421.0
60°	1848.9	1857.0	1960.0	2049.9	2053.2	2000.9	2226.5	2344.2	2599.2	2661.3	2680.9
62.5°	1768.8	1786.7	1901.2	2049.9	2123.5	2167.6	2474.9	2609.0	2844.4	2877.1	2855.8
65°	1616.7	1623.3	1736.1	1955.1	2130.0	2319.7	2731.6	2839.5	3071.6	3038.9	2895.1
67.5°	1306.1	1325.7	1430.4	1683.7	1974.7	2386.7	2965.4	3012.8	3207.3	3138.6	2798.6
70°	861.5	866.4	969.4	1195.0	1564.4	2247.7	3084.7	3089.6	3230.2	3128.8	2542.0
72.5°	374.3	344.9	443.0	624.5	959.6	1752.4	2939.2	3009.5	3068.3	2944.1	2105.5
75°	161.8	165.1	191.3	258.3	444.6	990.6	2445.5	2623.7	2703.8	2507.6	1535.0
77.5°	121.0	121.0	139.0	156.9	207.6	374.3	1593.8	1953.5	2048.3	1816.2	954.7
80°	88.3	91.5	104.6	114.4	134.0	152.0	794.5	1183.5	1244.0	946.5	420.1
82.5°	67.0	67.0	75.2	81.7	91.5	91.5	269.7	508.4	461.0	322.0	145.5
85°	29.4	24.5	39.2	37.6	40.9	32.7	71.9	93.2	93.2	73.6	32.7
87.5°	0.0	1.6	1.6	1.6	3.3	3.3	6.5	4.9	6.5	6.5	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

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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	0.0	1.6	1.6	1.6	1.6
5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
7.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6
10°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6
12.5°	26.2	31.1	19.6	9.8	1.6	0.0	0.0	1.6	1.6	3.3	3.3
15°	197.8	196.2	196.2	179.8	31.1	4.9	3.3	16.3	55.6	117.7	116.1
17.5°	215.8	215.8	215.8	207.6	188.0	52.3	52.3	173.3	188.0	189.6	191.3
20°	408.7	403.8	312.2	224.0	197.8	188.0	171.6	189.6	192.9	194.5	197.8
22.5°	459.4	454.4	433.2	389.1	222.3	273.0	246.8	202.7	302.4	317.1	320.4
25°	510.0	497.0	464.3	407.0	372.7	276.3	289.3	289.3	302.4	300.8	302.4
27.5°	727.4	712.7	668.6	462.6	403.8	323.7	320.4	282.8	304.1	346.6	349.8
30°	761.8	743.8	683.3	532.9	425.0	353.1	299.2	336.7	353.1	348.2	349.8
32.5°	1005.3	984.1	887.6	536.2	428.3	325.3	331.8	336.7	343.3	374.3	377.6
35°	1036.4	1016.8	886.0	614.7	395.6	323.7	320.4	343.3	380.9	385.8	387.4
37.5°	1080.5	1060.9	868.0	560.7	394.0	320.4	312.2	338.4	351.5	346.6	343.3
40°	1144.3	1114.9	833.7	501.9	358.0	304.1	304.1	310.6	320.4	302.4	297.5
42.5°	1239.1	1178.6	796.1	449.5	328.6	282.8	282.8	284.4	277.9	261.6	261.6
45°	1342.1	1232.6	747.1	402.1	299.2	259.9	261.6	250.1	256.6	243.6	243.6
47.5°	1463.1	1298.0	686.6	356.4	273.0	238.7	235.4	237.0	245.2	235.4	235.4
50°	1602.0	1376.4	640.8	315.5	250.1	217.4	225.6	230.5	240.3	232.1	230.5
52.5°	1767.1	1459.8	604.8	282.8	230.5	199.4	219.1	225.6	237.0	232.1	230.5
55°	1960.0	1564.4	547.6	256.6	212.5	189.6	214.1	225.6	238.7	235.4	233.8
57.5°	2139.8	1654.3	467.5	230.5	199.4	183.1	212.5	225.6	241.9	238.7	237.0
60°	2301.7	1739.3	369.4	210.9	188.0	174.9	207.6	225.6	243.6	245.2	243.6
62.5°	2383.4	1744.2	299.2	196.2	176.5	166.7	202.7	224.0	241.9	251.7	251.7
65°	2344.2	1646.2	238.7	181.5	166.7	156.9	197.8	228.9	256.6	273.0	273.0
67.5°	2184.0	1448.4	197.8	170.0	155.3	148.8	204.3	258.3	284.4	300.8	300.8
70°	1891.4	1170.5	170.0	160.2	147.1	152.0	227.2	282.8	291.0	309.0	307.3
72.5°	1500.7	874.6	152.0	150.4	142.2	160.2	241.9	273.0	273.0	279.5	273.0
75°	1056.0	555.8	137.3	140.6	130.8	147.1	228.9	255.0	243.6	240.3	238.7
77.5°	601.6	300.8	121.0	127.5	117.7	127.5	199.4	227.2	215.8	207.6	204.3
80°	258.3	153.7	104.6	114.4	103.0	107.9	166.7	196.2	188.0	178.2	174.9
82.5°	103.0	80.1	88.3	101.4	86.6	91.5	142.2	166.7	160.2	150.4	140.6
85°	29.4	31.1	53.9	71.9	65.4	71.9	114.4	132.4	122.6	96.4	93.2
87.5°	3.3	4.9	11.4	14.7	16.3	13.1	26.2	36.0	32.7	24.5	19.6
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)