

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: P695595

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695595
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-PA16-60-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5690 lumens
Efficiency: N/A
Efficacy: 91.8 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

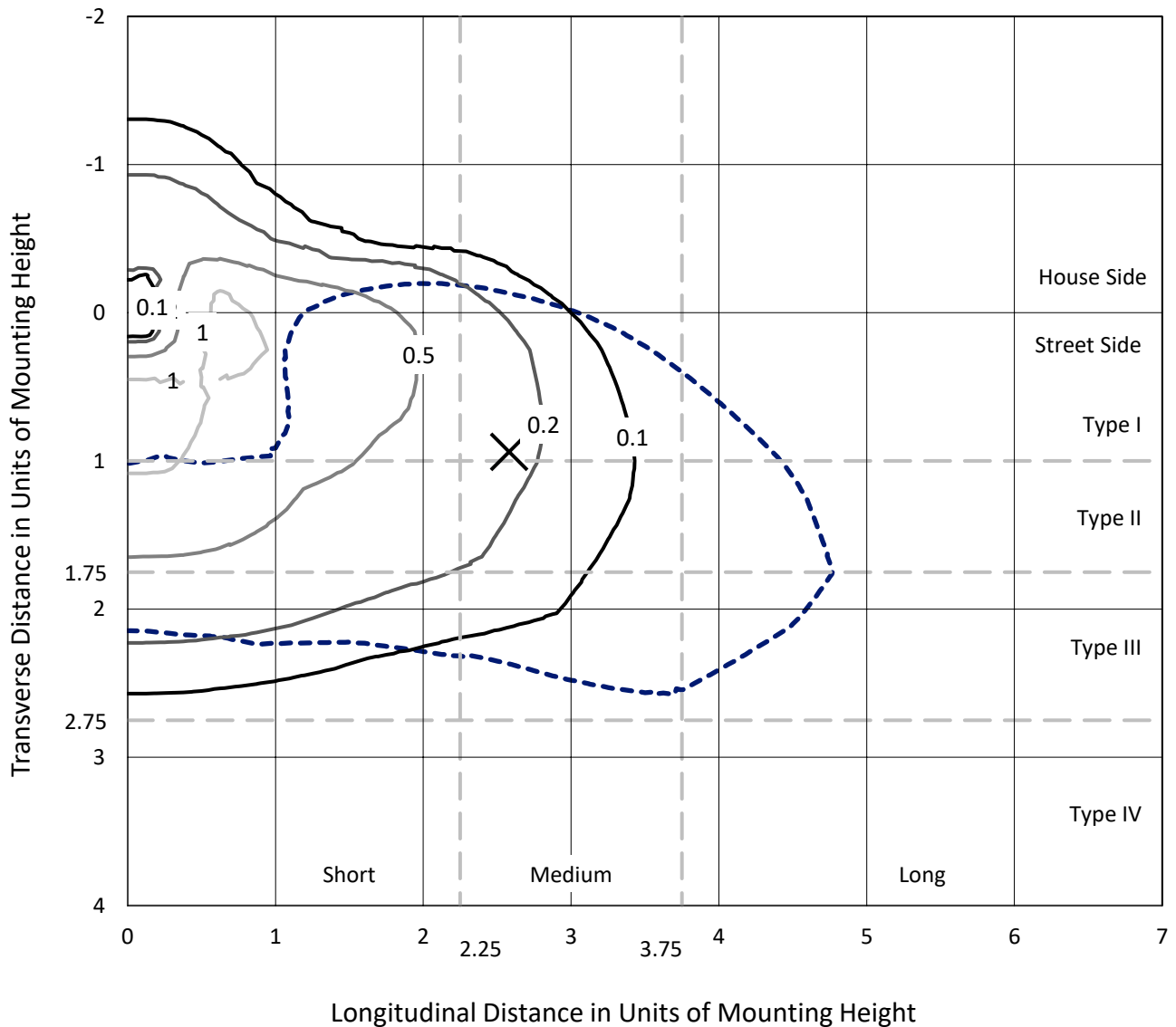
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695595
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3

Iso-Footcandle Lines of Horizontal Illumination

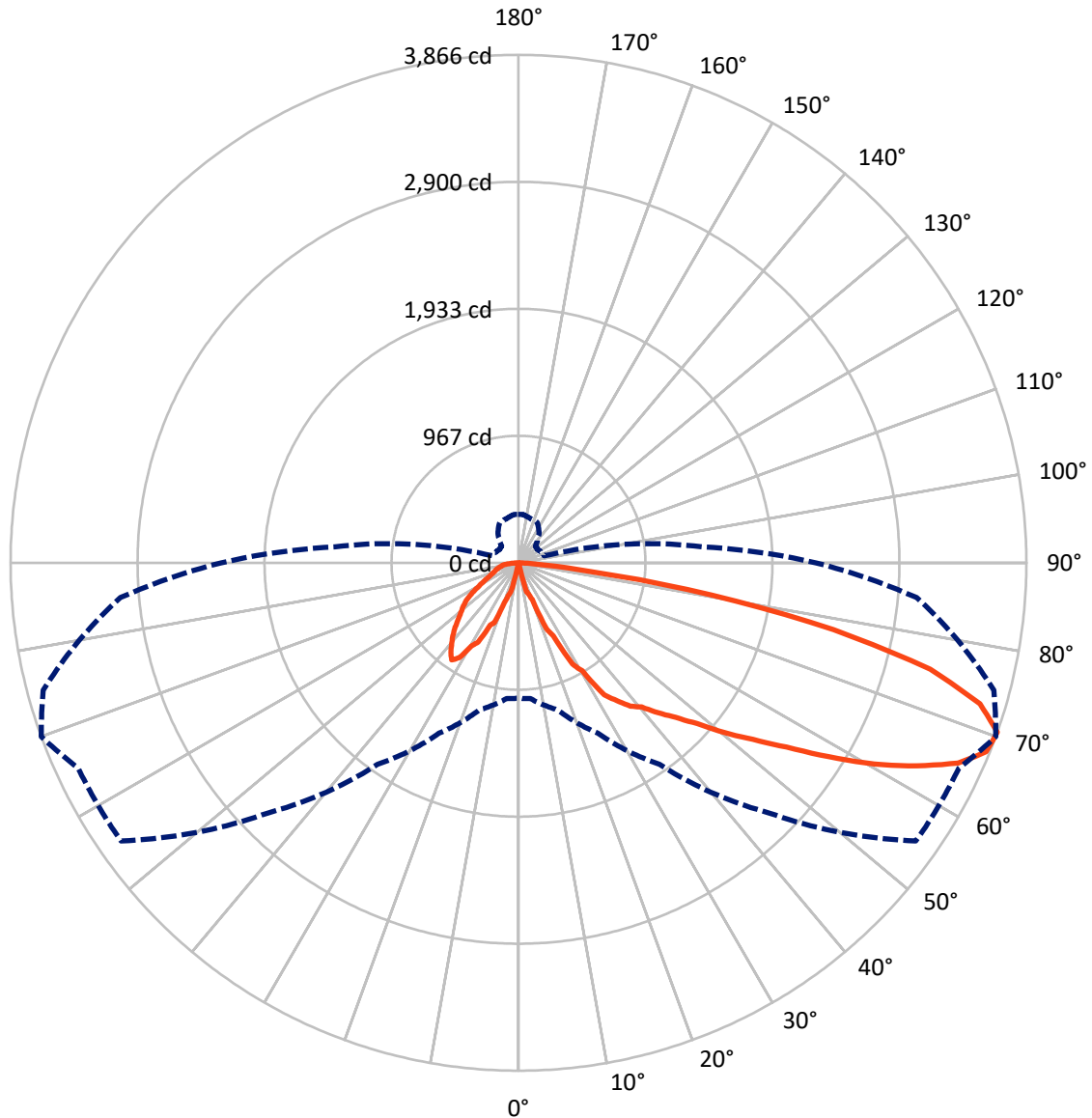
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P695595
CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P695595
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3

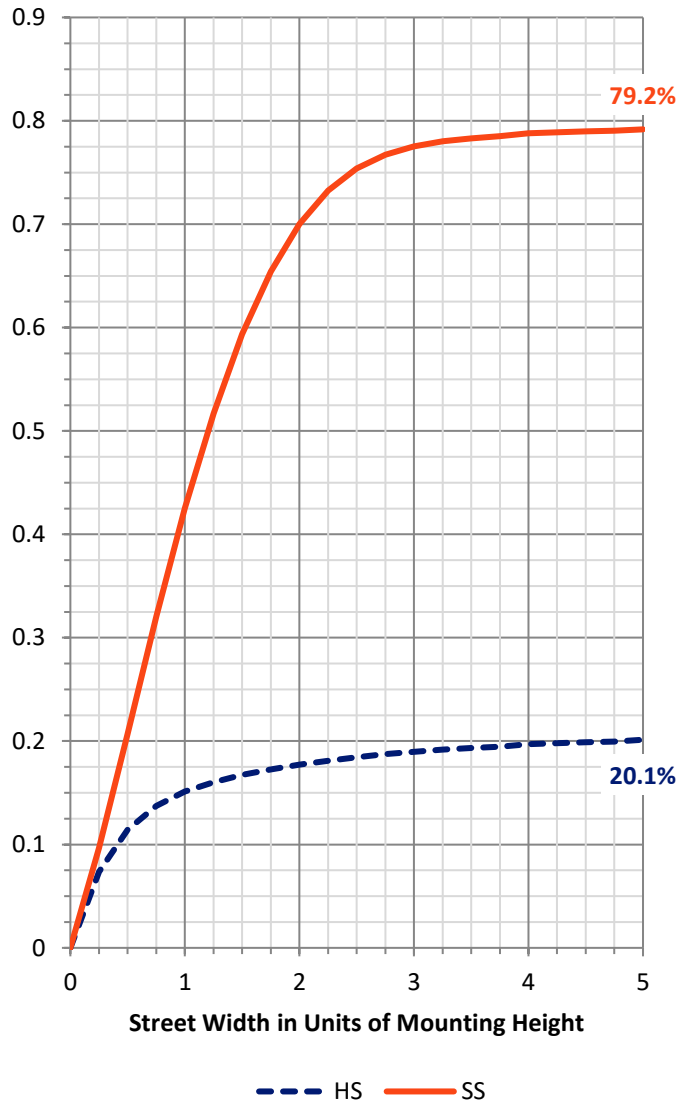
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1172.6	0.0	1172.6
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	4517.4	0.0	4517.4
	% Fixture	79.4	0.0	79.4
Total	Lumens	5690.0	0.0	5690.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	48.2	0.8
20°-30°	272.2	4.8
30°-40°	605.4	10.6
40°-50°	865.8	15.2
50°-60°	1258.1	22.1
60°-70°	1579.0	27.8
70°-80°	937.8	16.5
80°-90°	123.3	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°	5690.0	100.0
0°-180°	5690.0	100.0

Coefficient of Utilization



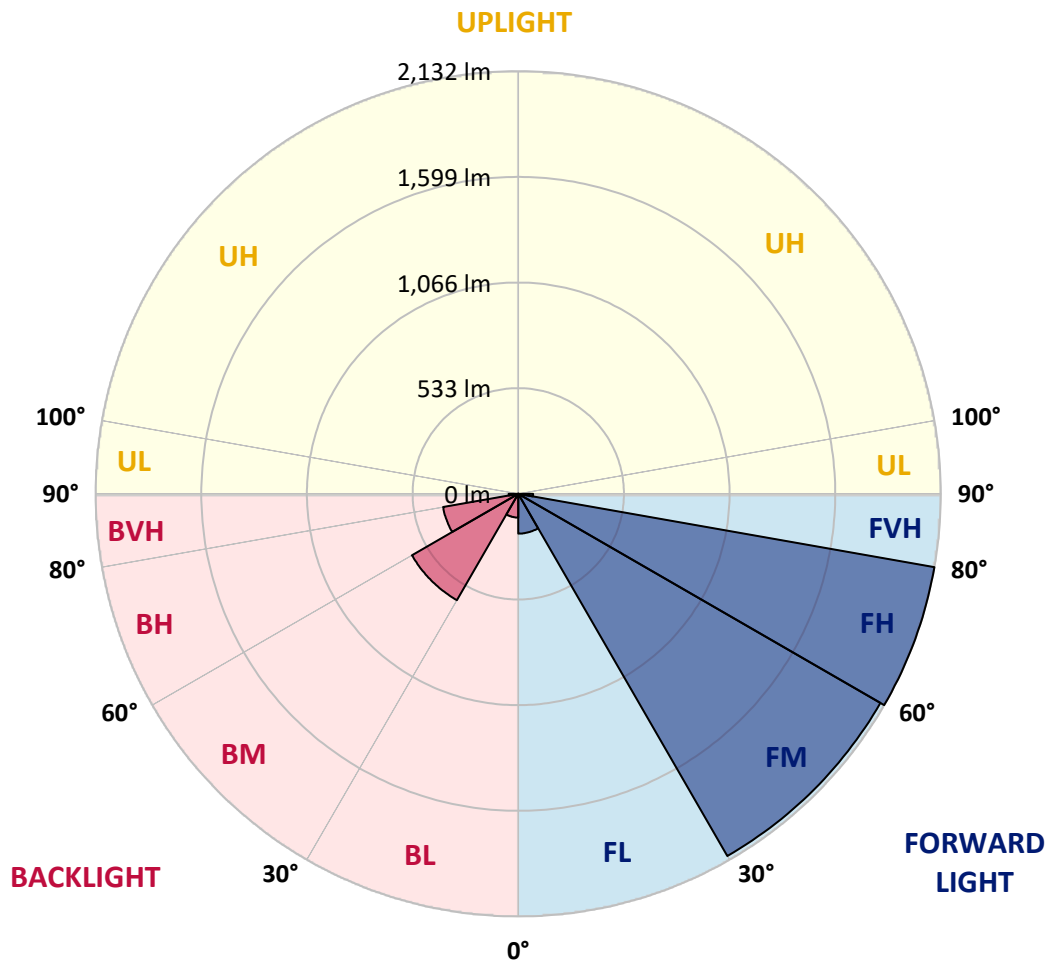
REPORT NUMBER: P695595
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.8	3.5			
FM (30°-60°)	2109.9	37.1			
FH (60°-80°)	2131.9	37.5			G2/5000
FVH (80°-90°)	74.8	1.3			G1/100
BL (0°-30°)	119.8	2.1	B1/500		
BM (30°-60°)	619.4	10.9	B1/1000		
BH (60°-80°)	384.9	6.8	B1/500		G1/500
BVH (80°-90°)	48.4	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 III Medium



REPORT NUMBER: P695595
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
10°	25.4	27.4	17.6	9.8	3.9	2.0	2.0	2.0	2.0	2.0	2.0
12.5°	227.0	227.0	225.0	144.8	45.0	9.8	3.9	11.7	21.5	23.5	35.2
15°	252.4	252.4	252.4	248.5	236.7	82.2	37.2	207.4	227.0	232.8	232.8
17.5°	332.6	338.5	307.2	275.9	262.2	228.9	221.1	248.5	252.4	256.3	258.3
20°	565.4	565.4	565.4	504.8	311.1	401.1	367.8	283.7	297.4	356.1	491.1
22.5°	630.0	628.1	614.4	594.8	637.8	446.1	418.7	495.0	545.9	563.5	555.7
25°	964.6	962.6	911.8	673.1	702.4	602.6	630.0	628.1	616.3	622.2	614.4
27.5°	1046.8	1042.8	1038.9	947.0	776.8	813.9	731.8	817.8	872.6	913.7	888.3
30°	1471.3	1387.2	1218.9	1074.2	992.0	872.6	941.1	992.0	954.8	972.4	931.3
32.5°	1555.5	1563.3	1555.5	1353.9	1103.5	993.9	1056.5	1052.6	1199.4	1250.2	1236.5
35°	1639.6	1633.7	1622.0	1442.0	1283.5	1146.5	1113.3	1289.4	1289.4	1318.7	1277.6
37.5°	1706.1	1704.2	1688.5	1490.9	1373.5	1201.3	1260.0	1383.3	1385.2	1414.6	1324.6
40°	1762.9	1764.8	1758.9	1543.7	1445.9	1260.0	1328.5	1475.2	1443.9	1487.0	1402.9
42.5°	1811.8	1817.6	1827.4	1622.0	1508.5	1318.7	1393.1	1541.8	1561.3	1612.2	1516.3
45°	1901.8	1913.5	1927.2	1745.3	1592.6	1397.0	1481.1	1674.8	1678.7	1755.0	1672.9
47.5°	2015.3	2023.1	2052.4	1878.3	1717.9	1510.5	1571.1	1772.6	1829.4	1925.3	1860.7
50°	2113.1	2128.7	2167.9	2040.7	1890.0	1676.8	1698.3	1917.4	2030.9	2117.0	2058.3
52.5°	2187.4	2201.1	2259.8	2177.7	2072.0	1854.8	1858.7	2119.0	2234.4	2353.7	2318.5
55°	2248.1	2263.7	2318.5	2306.8	2238.3	2001.6	2079.8	2312.7	2475.0	2615.9	2576.8
57.5°	2257.9	2255.9	2359.6	2394.8	2353.7	2195.3	2359.6	2524.0	2784.2	2895.7	2897.7
60°	2212.9	2222.7	2345.9	2453.5	2457.4	2394.8	2664.8	2805.7	3110.9	3185.3	3208.8
62.5°	2117.0	2138.5	2275.5	2453.5	2541.6	2594.4	2962.2	3122.7	3404.4	3443.5	3418.1
65°	1935.0	1942.9	2077.9	2340.0	2549.4	2776.4	3269.4	3398.5	3676.4	3637.2	3465.1
67.5°	1563.3	1586.8	1712.0	2015.3	2363.5	2856.6	3549.2	3605.9	3838.8	3756.6	3349.6
70°	1031.1	1037.0	1160.2	1430.2	1872.4	2690.3	3692.0	3697.9	3866.2	3744.9	3042.5
72.5°	448.1	412.8	530.2	747.4	1148.5	2097.4	3517.9	3602.0	3672.5	3523.8	2520.1
75°	193.7	197.6	228.9	309.1	532.2	1185.7	2927.0	3140.3	3236.2	3001.4	1837.2
77.5°	144.8	144.8	166.3	187.8	248.5	448.1	1907.6	2338.1	2451.6	2173.7	1142.6
80°	105.7	109.6	125.2	137.0	160.4	182.0	950.9	1416.6	1488.9	1132.8	502.8
82.5°	80.2	80.2	90.0	97.8	109.6	109.6	322.8	608.5	551.8	385.4	174.1
85°	35.2	29.3	47.0	45.0	48.9	39.1	86.1	111.5	111.5	88.0	39.1
87.5°	0.0	2.0	2.0	2.0	3.9	3.9	7.8	5.9	7.8	7.8	5.9
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: P695595
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
7.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0
10°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0
12.5°	31.3	37.2	23.5	11.7	2.0	0.0	0.0	2.0	2.0	3.9	3.9
15°	236.7	234.8	234.8	215.2	37.2	5.9	3.9	19.6	66.5	140.9	138.9
17.5°	258.3	258.3	258.3	248.5	225.0	62.6	62.6	207.4	225.0	227.0	228.9
20°	489.1	483.3	373.7	268.0	236.7	225.0	205.4	227.0	230.9	232.8	236.7
22.5°	549.8	543.9	518.5	465.7	266.1	326.7	295.4	242.6	362.0	379.6	383.5
25°	610.4	594.8	555.7	487.2	446.1	330.7	346.3	346.3	362.0	360.0	362.0
27.5°	870.7	853.1	800.2	553.7	483.3	387.4	383.5	338.5	363.9	414.8	418.7
30°	911.8	890.2	817.8	637.8	508.7	422.6	358.1	403.1	422.6	416.7	418.7
32.5°	1203.3	1177.8	1062.4	641.8	512.6	389.4	397.2	403.1	410.9	448.1	452.0
35°	1240.5	1217.0	1060.5	735.7	473.5	387.4	383.5	410.9	455.9	461.7	463.7
37.5°	1293.3	1269.8	1038.9	671.1	471.5	383.5	373.7	405.0	420.7	414.8	410.9
40°	1369.6	1334.4	997.8	600.7	428.5	363.9	363.9	371.7	383.5	362.0	356.1
42.5°	1483.1	1410.7	952.8	538.1	393.3	338.5	338.5	340.4	332.6	313.0	313.0
45°	1606.3	1475.2	894.1	481.3	358.1	311.1	313.0	299.4	307.2	291.5	291.5
47.5°	1751.1	1553.5	821.8	426.5	326.7	285.7	281.7	283.7	293.5	281.7	281.7
50°	1917.4	1647.4	767.0	377.6	299.4	260.2	270.0	275.9	287.6	277.8	275.9
52.5°	2115.0	1747.2	723.9	338.5	275.9	238.7	262.2	270.0	283.7	277.8	275.9
55°	2345.9	1872.4	655.4	307.2	254.4	227.0	256.3	270.0	285.7	281.7	279.8
57.5°	2561.1	1980.0	559.6	275.9	238.7	219.1	254.4	270.0	289.6	285.7	283.7
60°	2754.8	2081.8	442.2	252.4	225.0	209.4	248.5	270.0	291.5	293.5	291.5
62.5°	2852.7	2087.7	358.1	234.8	211.3	199.6	242.6	268.0	289.6	301.3	301.3
65°	2805.7	1970.3	285.7	217.2	199.6	187.8	236.7	273.9	307.2	326.7	326.7
67.5°	2614.0	1733.5	236.7	203.5	185.9	178.0	244.6	309.1	340.4	360.0	360.0
70°	2263.7	1400.9	203.5	191.7	176.1	182.0	272.0	338.5	348.3	369.8	367.8
72.5°	1796.1	1046.8	182.0	180.0	170.2	191.7	289.6	326.7	326.7	334.6	326.7
75°	1263.9	665.2	164.4	168.3	156.5	176.1	273.9	305.2	291.5	287.6	285.7
77.5°	720.0	360.0	144.8	152.6	140.9	152.6	238.7	272.0	258.3	248.5	244.6
80°	309.1	183.9	125.2	137.0	123.3	129.1	199.6	234.8	225.0	213.3	209.4
82.5°	123.3	95.9	105.7	121.3	103.7	109.6	170.2	199.6	191.7	180.0	168.3
85°	35.2	37.2	64.6	86.1	78.3	86.1	137.0	158.5	146.7	115.4	111.5
87.5°	3.9	5.9	13.7	17.6	19.6	15.7	31.3	43.0	39.1	29.3	23.5
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)