

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: P695400

Luminaire Tested: **LXF.LXT-PA16-50-740-U-SL3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695400  
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-PA16-50-740-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 980mA 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: 5709 lumens  
Efficiency: N/A  
Efficacy: 107.5 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

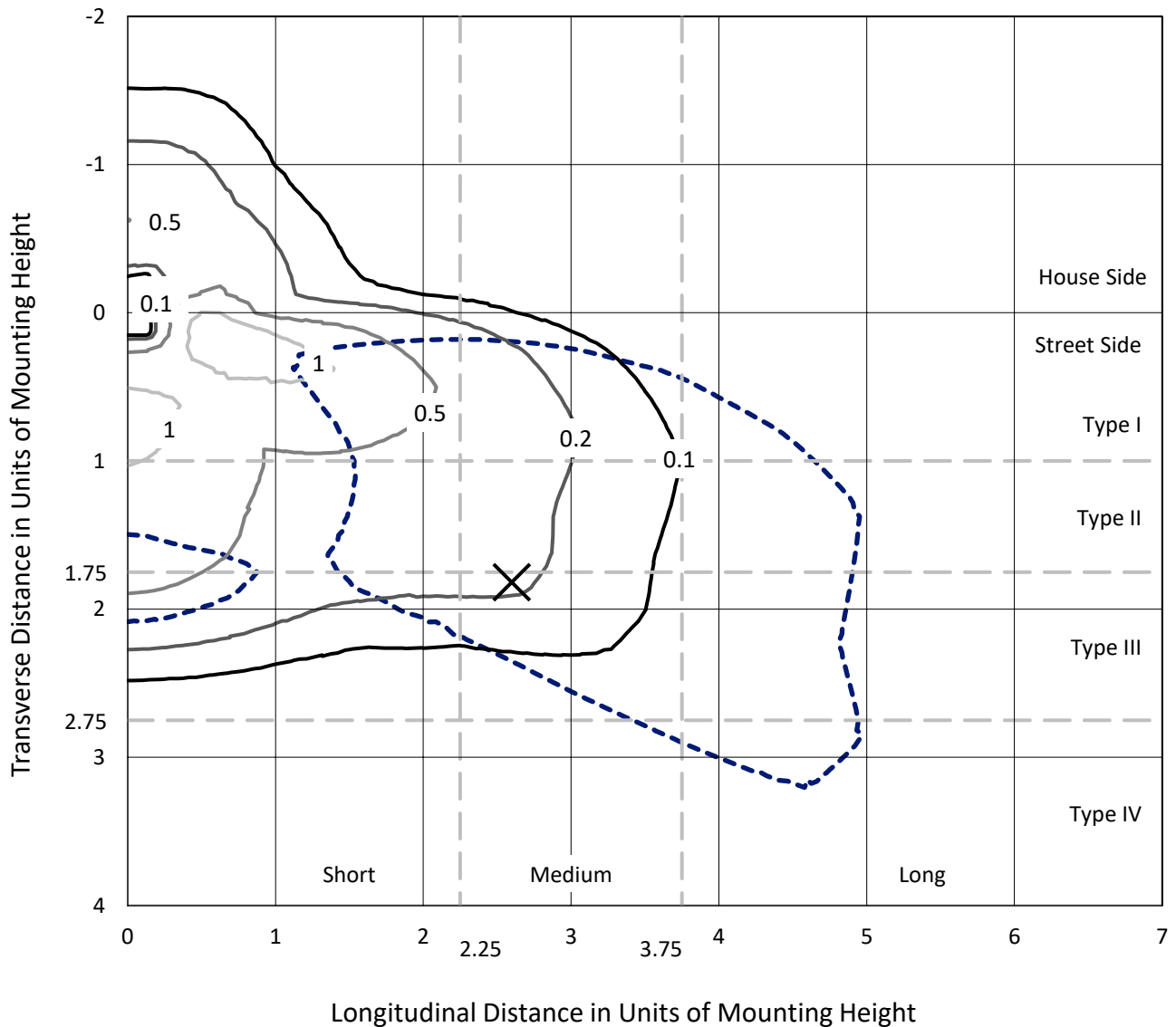
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695400  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

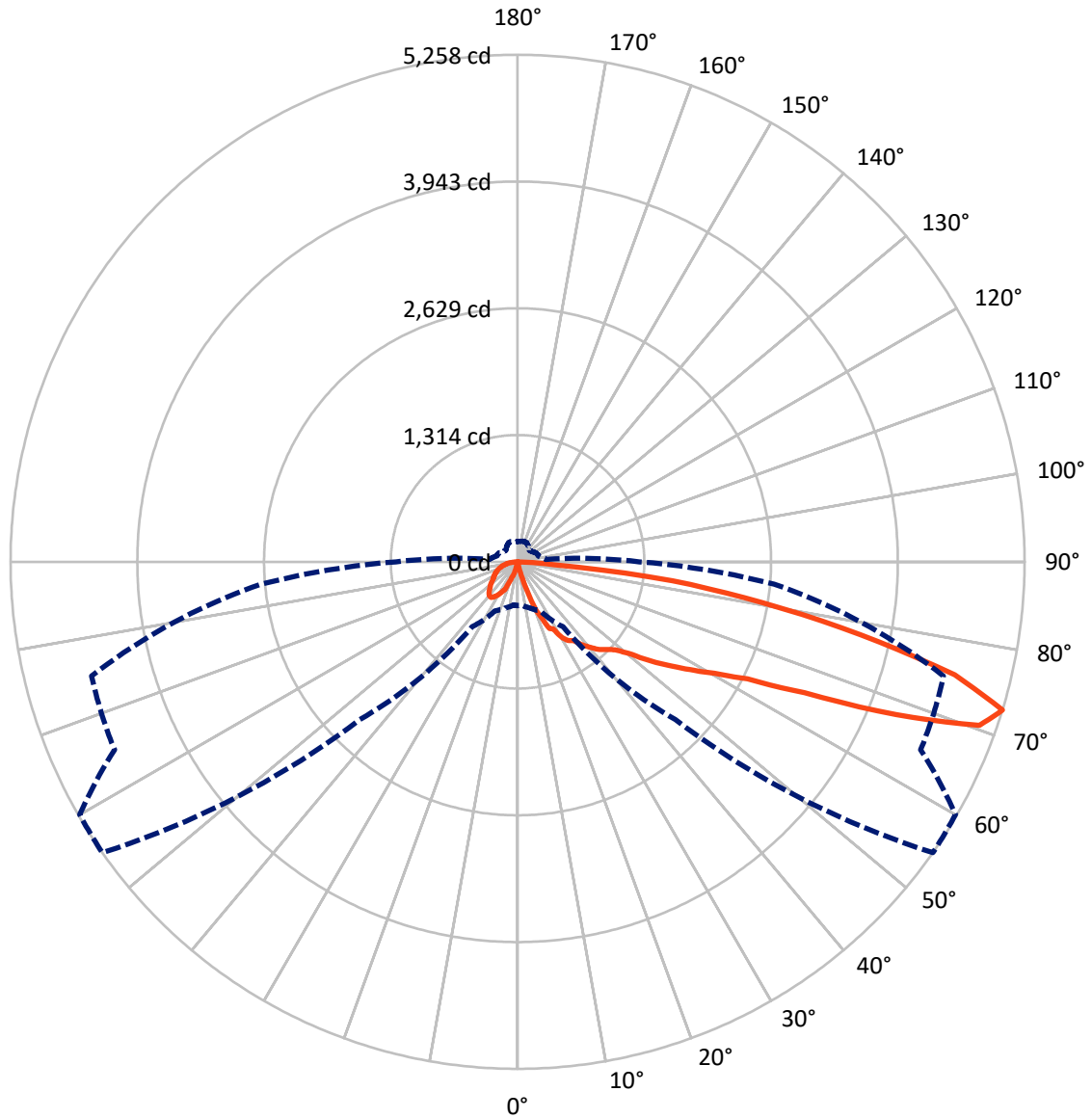
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P695400  
CATALOG NUMBER: LXF.LXT-PA16-50-740-U-SL3

### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P695400  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-SL3

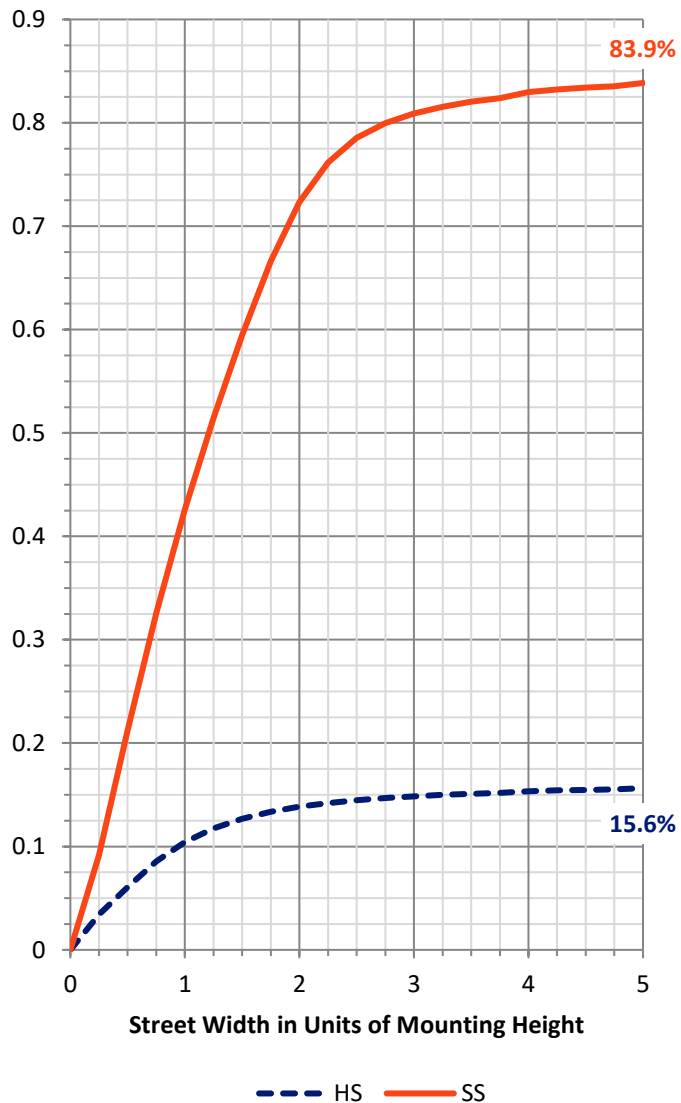
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	906.9	0.0	906.9
	% Fixture	15.9	0.0	15.9
<b>Street Side</b>	Lumens	4802.1	0.0	4802.1
	% Fixture	84.1	0.0	84.1
<b>Total</b>	Lumens	5709.0	0.0	5709.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	55.2	1.0
20°-30°	258.4	4.5
30°-40°	550.3	9.6
40°-50°	801.3	14.0
50°-60°	1167.5	20.5
60°-70°	1549.5	27.1
70°-80°	1140.8	20.0
80°-90°	185.6	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°	5709.0	100.0
0°-180°	5709.0	100.0

**Coefficient of Utilization**

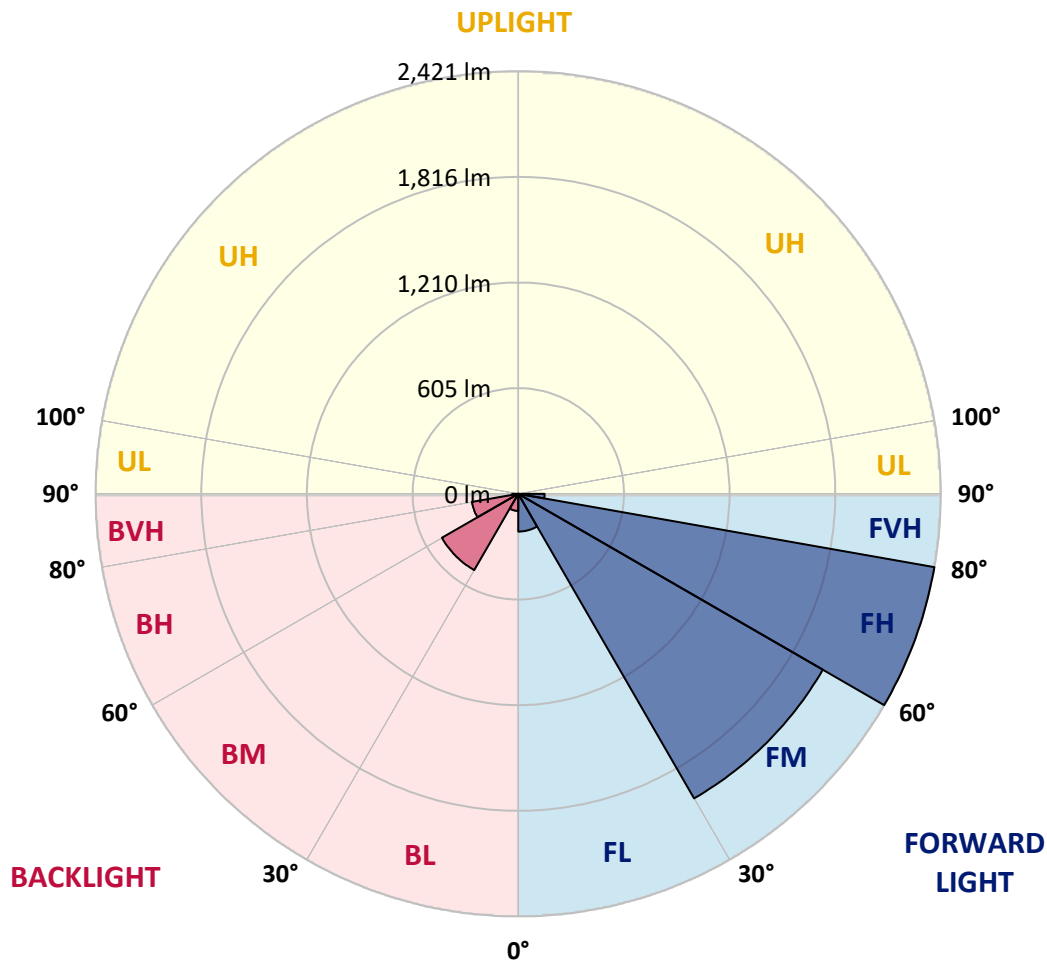


REPORT NUMBER: P695400  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-SL3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.1	3.8			
FM (30°-60°)	2014.5	35.3			
FH (60°-80°)	2420.8	42.4			G2/5000
FVH (80°-90°)	150.7	2.6			G2/225
BL (0°-30°)	97.8	1.7	B0/110		
BM (30°-60°)	504.7	8.8	B1/1000		
BH (60°-80°)	269.5	4.7	B1/500		G1/500
BVH (80°-90°)	34.9	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



REPORT NUMBER: P695400  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
10°	41.2	43.2	35.0	16.5	6.2	2.1	2.1	2.1	4.1	4.1	6.2
12.5°	327.2	331.3	325.1	131.7	61.7	12.3	8.2	14.4	22.6	35.0	137.9
15°	325.1	325.1	331.3	341.6	341.6	72.0	144.0	187.3	261.3	339.5	335.4
17.5°	343.6	341.6	333.4	329.2	351.9	401.3	304.5	366.3	372.5	384.8	376.6
20°	500.0	500.0	500.0	475.3	356.0	493.9	514.4	415.7	419.8	586.5	570.0
22.5°	547.4	545.3	528.8	516.5	537.1	489.7	621.4	714.0	703.8	798.4	749.0
25°	779.9	757.3	718.2	570.0	594.7	574.1	767.5	880.7	796.4	868.4	940.4
27.5°	909.5	893.1	858.1	775.8	633.8	695.5	786.1	926.0	1082.4	1240.8	1115.3
30°	1218.2	1201.7	1028.9	901.3	786.1	716.1	915.7	1098.8	1273.8	1300.5	1162.6
32.5°	1263.5	1265.5	1273.8	1152.3	923.9	792.2	975.4	1135.9	1362.2	1633.9	1444.6
35°	1292.3	1290.2	1290.2	1195.6	1100.9	936.3	1004.2	1277.9	1566.0	1732.6	1430.1
37.5°	1378.7	1372.5	1362.2	1218.2	1164.7	1039.2	1094.7	1314.9	1679.1	1887.0	1415.7
40°	1483.6	1489.8	1463.1	1279.9	1207.9	1117.4	1166.8	1331.4	1812.9	2012.5	1409.6
42.5°	1631.8	1623.6	1578.3	1382.8	1271.7	1152.3	1244.9	1374.6	1911.7	2181.2	1421.9
45°	1798.5	1777.9	1714.1	1524.8	1366.4	1172.9	1296.4	1452.8	2000.1	2372.6	1465.1
47.5°	1971.3	1944.6	1854.0	1640.0	1465.1	1212.0	1362.2	1553.6	2101.0	2615.4	1545.4
50°	2136.0	2117.4	2002.2	1761.4	1568.0	1284.0	1487.8	1705.9	2238.8	2858.2	1681.2
52.5°	2300.6	2269.7	2127.7	1884.9	1666.8	1374.6	1693.5	1930.2	2424.0	3103.1	1829.4
55°	2477.5	2436.4	2253.3	2006.3	1749.1	1496.0	1893.1	2162.7	2644.2	3397.4	2012.5
57.5°	2771.8	2743.0	2481.7	2187.4	1866.4	1644.2	2109.2	2395.2	2880.9	3666.9	2195.6
60°	3105.2	3053.7	2796.5	2502.2	2111.3	1874.6	2347.9	2654.5	3107.2	3926.2	2399.4
62.5°	3092.8	3041.4	2860.3	2691.6	2426.1	2259.4	2675.1	2922.0	3300.7	4171.1	2580.4
65°	2457.0	2465.2	2459.0	2487.8	2514.6	2800.6	3269.8	3315.1	3605.2	4399.5	2753.3
67.5°	1337.5	1325.2	1477.5	1775.9	2189.5	3144.3	4232.8	3948.8	3981.8	4613.5	2872.6
70°	637.9	637.9	726.4	987.7	1570.1	2932.3	5080.6	4751.4	4387.2	4706.1	2858.2
72.5°	454.8	448.6	495.9	561.8	821.0	2312.9	5257.6	5243.2	4611.4	4572.4	2668.9
75°	368.3	372.5	391.0	426.0	388.9	1360.2	4681.4	4944.8	4401.6	4150.5	2360.3
77.5°	298.4	298.4	321.0	337.5	249.0	660.5	3634.0	3975.6	3490.0	3385.0	1734.7
80°	222.2	222.2	234.6	269.6	183.1	279.9	2572.2	2677.2	2302.6	2088.6	851.9
82.5°	135.8	127.6	144.0	189.3	131.7	160.5	1615.3	1456.9	1156.5	648.2	253.1
85°	24.7	28.8	41.2	65.8	49.4	59.7	374.5	273.7	230.5	111.1	57.6
87.5°	0.0	0.0	0.0	2.1	4.1	6.2	8.2	10.3	10.3	8.2	6.2
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: P695400  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-SL3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	2.1	2.1	2.1	2.1
7.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1
10°	6.2	6.2	4.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1
12.5°	144.0	148.2	37.0	20.6	6.2	2.1	0.0	2.1	4.1	8.2	10.3
15°	325.1	306.6	236.6	121.4	70.0	8.2	4.1	35.0	94.7	102.9	109.1
17.5°	358.1	333.4	246.9	172.9	135.8	65.8	82.3	131.7	148.2	156.4	156.4
20°	530.9	467.1	302.5	201.7	160.5	174.9	144.0	156.4	172.9	187.3	195.5
22.5°	681.1	570.0	349.8	288.1	218.1	224.3	197.5	226.4	277.8	298.4	300.4
25°	821.0	635.8	368.3	321.0	312.8	255.2	279.9	281.9	306.6	319.0	321.0
27.5°	928.1	668.8	440.4	370.4	345.7	312.8	319.0	314.8	391.0	415.7	419.8
30°	940.4	642.0	460.9	419.8	380.7	362.2	343.6	407.4	438.3	448.6	448.6
32.5°	1043.3	662.6	506.2	452.7	417.7	378.6	411.6	432.1	467.1	530.9	533.0
35°	934.2	590.6	524.7	491.8	444.5	411.6	430.1	485.6	553.5	567.9	565.9
37.5°	823.1	537.1	500.0	489.7	460.9	432.1	452.7	506.2	543.2	530.9	530.9
40°	732.6	500.0	481.5	473.3	458.9	421.8	463.0	483.6	524.7	512.4	510.3
42.5°	668.8	473.3	463.0	452.7	442.4	407.4	434.2	479.5	516.5	502.1	498.0
45°	648.2	456.8	450.7	436.2	417.7	386.9	415.7	473.3	508.3	493.9	489.7
47.5°	672.9	442.4	434.2	415.7	391.0	360.1	405.4	463.0	489.7	465.1	463.0
50°	744.9	436.2	417.7	393.0	368.3	351.9	391.0	438.3	460.9	438.3	438.3
52.5°	845.7	438.3	401.3	372.5	343.6	333.4	374.5	421.8	440.4	417.7	415.7
55°	954.8	444.5	380.7	351.9	312.8	319.0	366.3	413.6	419.8	395.1	393.0
57.5°	1078.3	450.7	360.1	337.5	296.3	302.5	349.8	397.1	395.1	362.2	362.2
60°	1203.8	456.8	339.5	319.0	279.9	281.9	329.2	376.6	364.2	331.3	329.2
62.5°	1308.7	450.7	314.8	298.4	263.4	257.2	304.5	351.9	341.6	306.6	306.6
65°	1399.3	426.0	294.3	277.8	246.9	236.6	279.9	321.0	312.8	279.9	281.9
67.5°	1436.3	386.9	273.7	257.2	228.4	214.0	251.0	284.0	281.9	255.2	257.2
70°	1380.8	333.4	251.0	236.6	207.8	189.3	222.2	251.0	251.0	232.5	232.5
72.5°	1261.4	294.3	226.4	214.0	183.1	168.7	195.5	218.1	222.2	209.9	211.9
75°	1127.7	257.2	197.5	191.4	162.6	144.0	166.7	189.3	193.4	187.3	187.3
77.5°	849.9	199.6	166.7	166.7	142.0	123.5	142.0	162.6	166.7	164.6	162.6
80°	430.1	142.0	133.8	142.0	117.3	102.9	117.3	135.8	142.0	154.3	154.3
82.5°	146.1	92.6	100.8	115.2	94.7	82.3	90.5	111.1	146.1	125.5	123.5
85°	41.2	41.2	53.5	61.7	63.8	55.6	63.8	104.9	84.4	72.0	70.0
87.5°	4.1	6.2	8.2	12.3	10.3	12.3	16.5	20.6	14.4	10.3	8.2
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)