

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: P695415

Luminaire Tested: **LXF.LXT-PA16-50-740-U-T3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695415  
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-PA16-50-740-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5985 lumens  
Efficiency: N/A  
Efficacy: 112.7 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

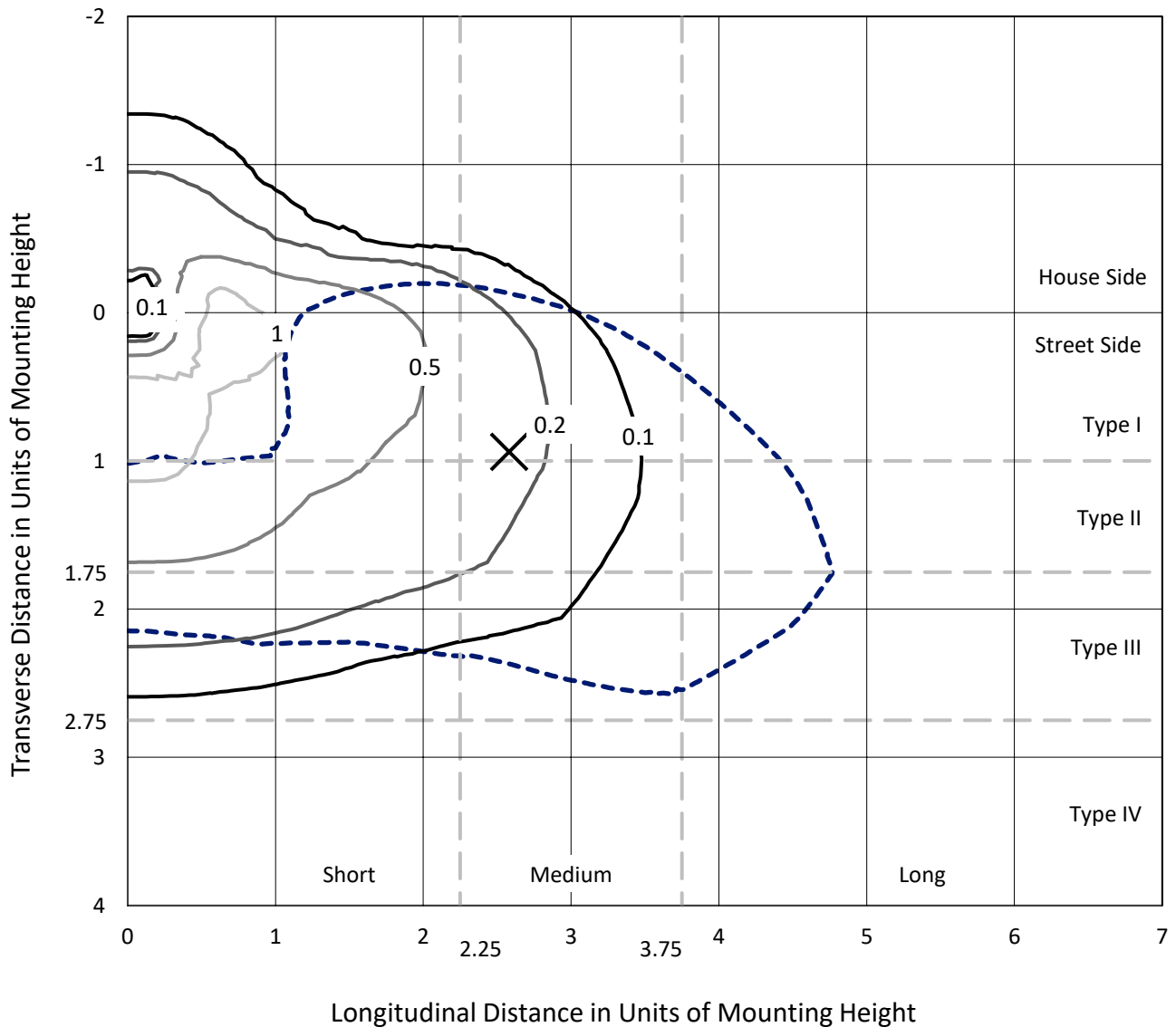
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695415  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

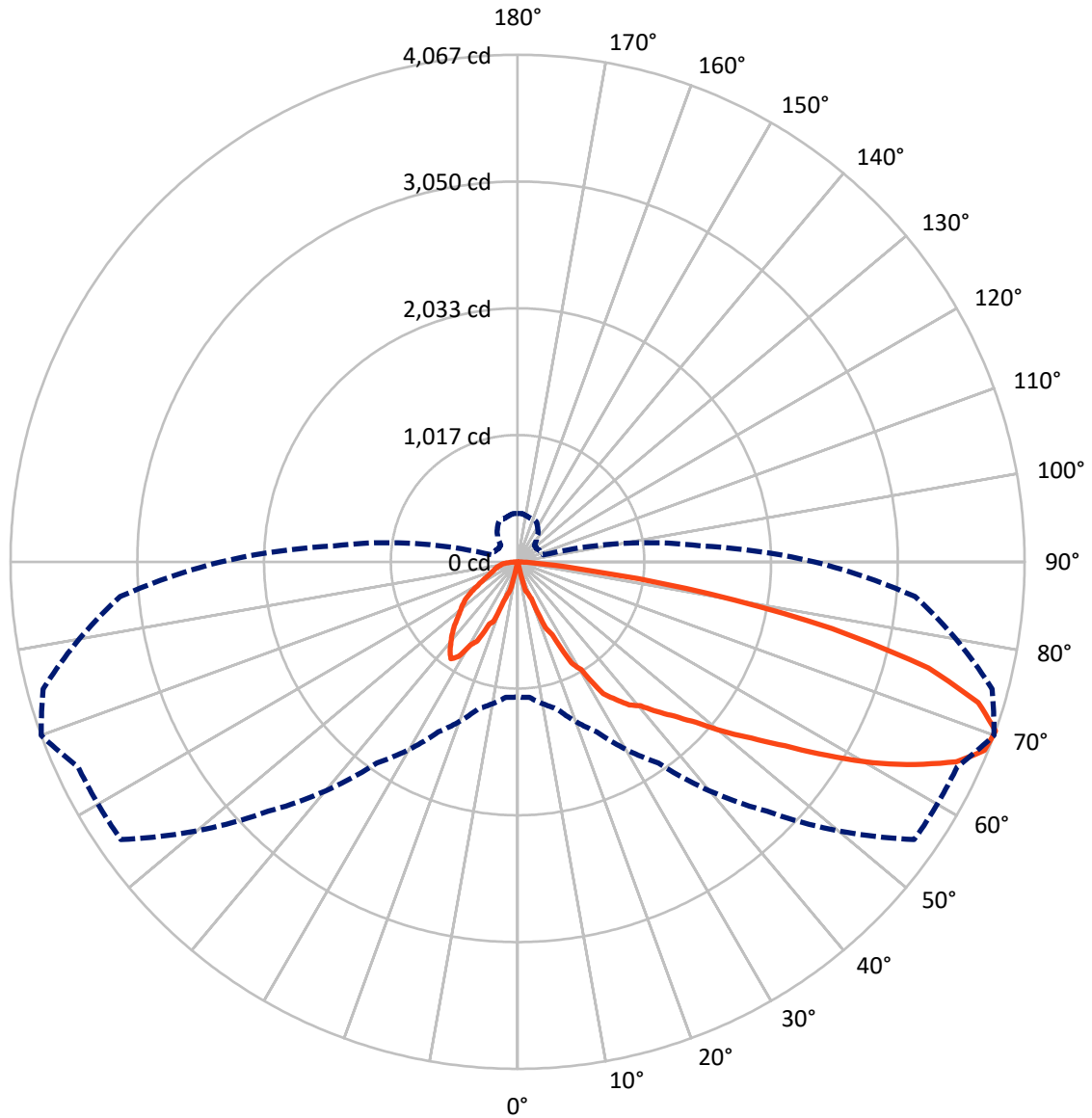
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type III - Medium - N/A

REPORT NUMBER: P695415  
CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P695415  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T3

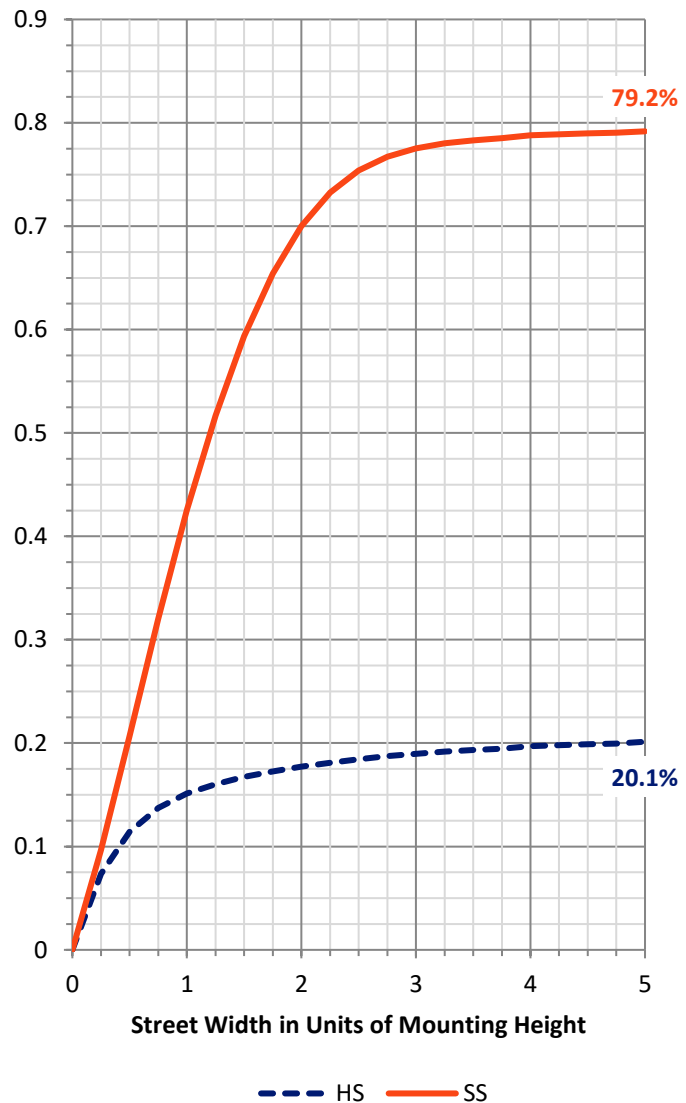
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1233.4	0.0	1233.4
	% Fixture	20.6	0.0	20.6
<b>Street Side</b>	Lumens	4751.6	0.0	4751.6
	% Fixture	79.4	0.0	79.4
<b>Total</b>	Lumens	5985.0	0.0	5985.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	50.7	0.8
20°-30°	286.3	4.8
30°-40°	636.8	10.6
40°-50°	910.7	15.2
50°-60°	1323.4	22.1
60°-70°	1660.9	27.8
70°-80°	986.4	16.5
80°-90°	129.6	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°	5985.0	100.0
0°-180°	5985.0	100.0

**Coefficient of Utilization**

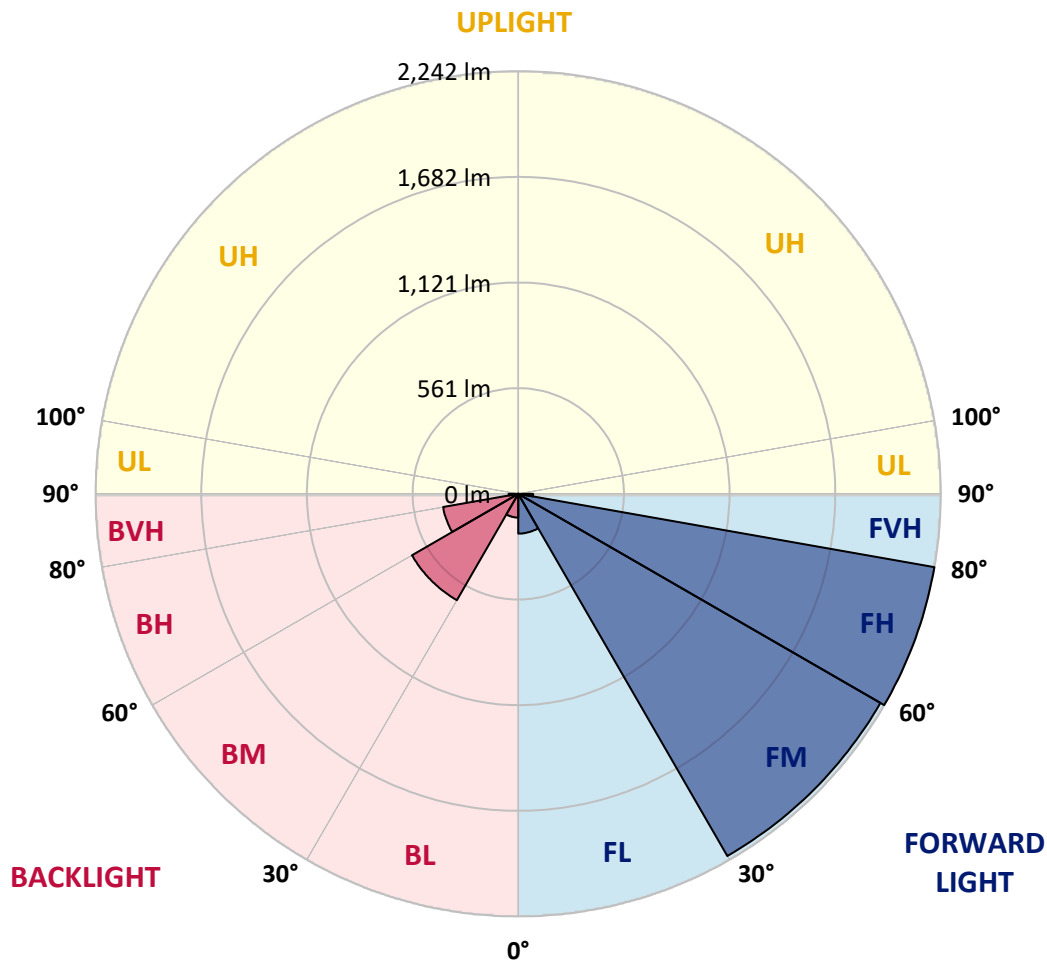


REPORT NUMBER: P695415  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.2	3.5			
FM (30°-60°)	2219.3	37.1			
FH (60°-80°)	2242.4	37.5			G2/5000
FVH (80°-90°)	78.7	1.3			G1/100
BL (0°-30°)	126.0	2.1	B1/500		
BM (30°-60°)	651.6	10.9	B1/1000		
BH (60°-80°)	404.9	6.8	B1/500		G1/500
BVH (80°-90°)	50.9	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: P695415  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	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	2.1	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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
10°	26.8	28.8	18.5	10.3	4.1	2.1	2.1	2.1	2.1	2.1	2.1
12.5°	238.7	238.7	236.7	152.3	47.3	10.3	4.1	12.3	22.6	24.7	37.0
15°	265.5	265.5	265.5	261.4	249.0	86.4	39.1	218.1	238.7	244.9	244.9
17.5°	349.9	356.0	323.1	290.2	275.8	240.8	232.6	261.4	265.5	269.6	271.7
20°	594.8	594.8	594.8	531.0	327.2	421.9	386.9	298.4	312.8	374.6	516.6
22.5°	662.7	660.6	646.2	625.6	670.9	469.2	440.4	520.7	574.2	592.7	584.5
25°	1014.6	1012.5	959.0	708.0	738.8	633.9	662.7	660.6	648.3	654.4	646.2
27.5°	1101.0	1096.9	1092.8	996.1	817.0	856.1	769.7	860.2	917.9	961.1	934.3
30°	1547.6	1459.1	1282.1	1129.8	1043.4	917.9	989.9	1043.4	1004.3	1022.8	979.6
32.5°	1636.1	1644.3	1636.1	1424.1	1160.7	1045.5	1111.3	1107.2	1261.6	1315.1	1300.7
35°	1724.6	1718.4	1706.1	1516.7	1350.0	1206.0	1171.0	1356.2	1356.2	1387.1	1343.9
37.5°	1794.6	1792.5	1776.1	1568.2	1444.7	1263.6	1325.4	1455.0	1457.1	1487.9	1393.3
40°	1854.3	1856.3	1850.1	1623.8	1520.9	1325.4	1397.4	1551.7	1518.8	1564.1	1475.6
42.5°	1905.7	1911.9	1922.2	1706.1	1586.7	1387.1	1465.3	1621.7	1642.3	1695.8	1594.9
45°	2000.4	2012.7	2027.1	1835.7	1675.2	1469.4	1557.9	1761.6	1765.8	1846.0	1759.6
47.5°	2119.7	2128.0	2158.8	1975.7	1806.9	1588.8	1652.6	1864.5	1924.2	2025.1	1957.2
50°	2222.6	2239.1	2280.3	2146.5	1988.0	1763.7	1786.3	2016.8	2136.2	2226.8	2165.0
52.5°	2300.8	2315.2	2377.0	2290.6	2179.4	1951.0	1955.1	2228.8	2350.2	2475.8	2438.7
55°	2364.6	2381.1	2438.7	2426.4	2354.4	2105.3	2187.7	2432.6	2603.4	2751.5	2710.4
57.5°	2374.9	2372.9	2481.9	2519.0	2475.8	2309.1	2481.9	2654.8	2928.5	3045.8	3047.9
60°	2327.6	2337.9	2467.5	2580.7	2584.8	2519.0	2803.0	2951.2	3272.2	3350.4	3375.1
62.5°	2226.8	2249.4	2393.5	2580.7	2673.3	2728.9	3115.8	3284.6	3580.9	3622.1	3595.3
65°	2035.4	2043.6	2185.6	2461.4	2681.6	2920.3	3438.9	3574.7	3867.0	3825.8	3644.7
67.5°	1644.3	1669.0	1800.7	2119.7	2486.1	3004.7	3733.2	3792.9	4037.8	3951.4	3523.3
70°	1084.6	1090.7	1220.4	1504.4	1969.5	2829.7	3883.4	3889.6	4066.6	3939.0	3200.2
72.5°	471.3	434.2	557.7	786.2	1208.0	2206.2	3700.3	3788.8	3862.9	3706.5	2650.7
75°	203.7	207.9	240.8	325.2	559.8	1247.1	3078.8	3303.1	3403.9	3157.0	1932.5
77.5°	152.3	152.3	174.9	197.6	261.4	471.3	2006.5	2459.3	2578.7	2286.4	1201.9
80°	111.1	115.2	131.7	144.1	168.8	191.4	1000.2	1490.0	1566.1	1191.6	528.9
82.5°	84.4	84.4	94.7	102.9	115.2	115.2	339.6	640.0	580.4	405.4	183.2
85°	37.0	30.9	49.4	47.3	51.4	41.2	90.6	117.3	117.3	92.6	41.2
87.5°	0.0	2.1	2.1	2.1	4.1	4.1	8.2	6.2	8.2	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: P695415  
 CATALOG NUMBER: LXF.LXT-PA16-50-740-U-T3

**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	2.1	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	2.1	2.1	2.1	2.1
10°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	2.1	2.1	2.1	2.1
12.5°	32.9	39.1	24.7	12.3	2.1	0.0	0.0	2.1	2.1	4.1	4.1
15°	249.0	247.0	247.0	226.4	39.1	6.2	4.1	20.6	70.0	148.2	146.1
17.5°	271.7	271.7	271.7	261.4	236.7	65.9	65.9	218.1	236.7	238.7	240.8
20°	514.5	508.3	393.1	281.9	249.0	236.7	216.1	238.7	242.8	244.9	249.0
22.5°	578.3	572.1	545.4	489.8	279.9	343.7	310.8	255.2	380.7	399.3	403.4
25°	642.1	625.6	584.5	512.4	469.2	347.8	364.3	364.3	380.7	378.7	380.7
27.5°	915.8	897.3	841.7	582.4	508.3	407.5	403.4	356.0	382.8	436.3	440.4
30°	959.0	936.4	860.2	670.9	535.1	444.5	376.6	423.9	444.5	438.4	440.4
32.5°	1265.7	1238.9	1117.5	675.0	539.2	409.5	417.8	423.9	432.2	471.3	475.4
35°	1304.8	1280.1	1115.4	773.8	498.0	407.5	403.4	432.2	479.5	485.7	487.7
37.5°	1360.3	1335.6	1092.8	705.9	496.0	403.4	393.1	426.0	442.5	436.3	432.2
40°	1440.6	1403.6	1049.6	631.8	450.7	382.8	382.8	391.0	403.4	380.7	374.6
42.5°	1560.0	1483.8	1002.2	565.9	413.7	356.0	356.0	358.1	349.9	329.3	329.3
45°	1689.6	1551.7	940.5	506.3	376.6	327.2	329.3	314.9	323.1	306.6	306.6
47.5°	1841.9	1634.1	864.4	448.6	343.7	300.5	296.4	298.4	308.7	296.4	296.4
50°	2016.8	1732.8	806.7	397.2	314.9	273.7	284.0	290.2	302.5	292.2	290.2
52.5°	2224.7	1837.8	761.5	356.0	290.2	251.1	275.8	284.0	298.4	292.2	290.2
55°	2467.5	1969.5	689.4	323.1	267.5	238.7	269.6	284.0	300.5	296.4	294.3
57.5°	2693.9	2082.7	588.6	290.2	251.1	230.5	267.5	284.0	304.6	300.5	298.4
60°	2897.7	2189.7	465.1	265.5	236.7	220.2	261.4	284.0	306.6	308.7	306.6
62.5°	3000.6	2195.9	376.6	247.0	222.3	209.9	255.2	281.9	304.6	316.9	316.9
65°	2951.2	2072.4	300.5	228.4	209.9	197.6	249.0	288.1	323.1	343.7	343.7
67.5°	2749.5	1823.4	249.0	214.0	195.5	187.3	257.2	325.2	358.1	378.7	378.7
70°	2381.1	1473.5	214.0	201.7	185.2	191.4	286.1	356.0	366.3	389.0	386.9
72.5°	1889.2	1101.0	191.4	189.3	179.0	201.7	304.6	343.7	343.7	351.9	343.7
75°	1329.5	699.7	172.9	177.0	164.6	185.2	288.1	321.0	306.6	302.5	300.5
77.5°	757.3	378.7	152.3	160.5	148.2	160.5	251.1	286.1	271.7	261.4	257.2
80°	325.2	193.5	131.7	144.1	129.7	135.8	209.9	247.0	236.7	224.3	220.2
82.5°	129.7	100.8	111.1	127.6	109.1	115.2	179.0	209.9	201.7	189.3	177.0
85°	37.0	39.1	67.9	90.6	82.3	90.6	144.1	166.7	154.3	121.4	117.3
87.5°	4.1	6.2	14.4	18.5	20.6	16.5	32.9	45.3	41.2	30.9	24.7
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)