

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: P695625

Luminaire Tested: **LXF.LXT-PA16-60-730-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695625
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-PA16-60-730-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6181 lumens
Efficiency: N/A
Efficacy: 99.7 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

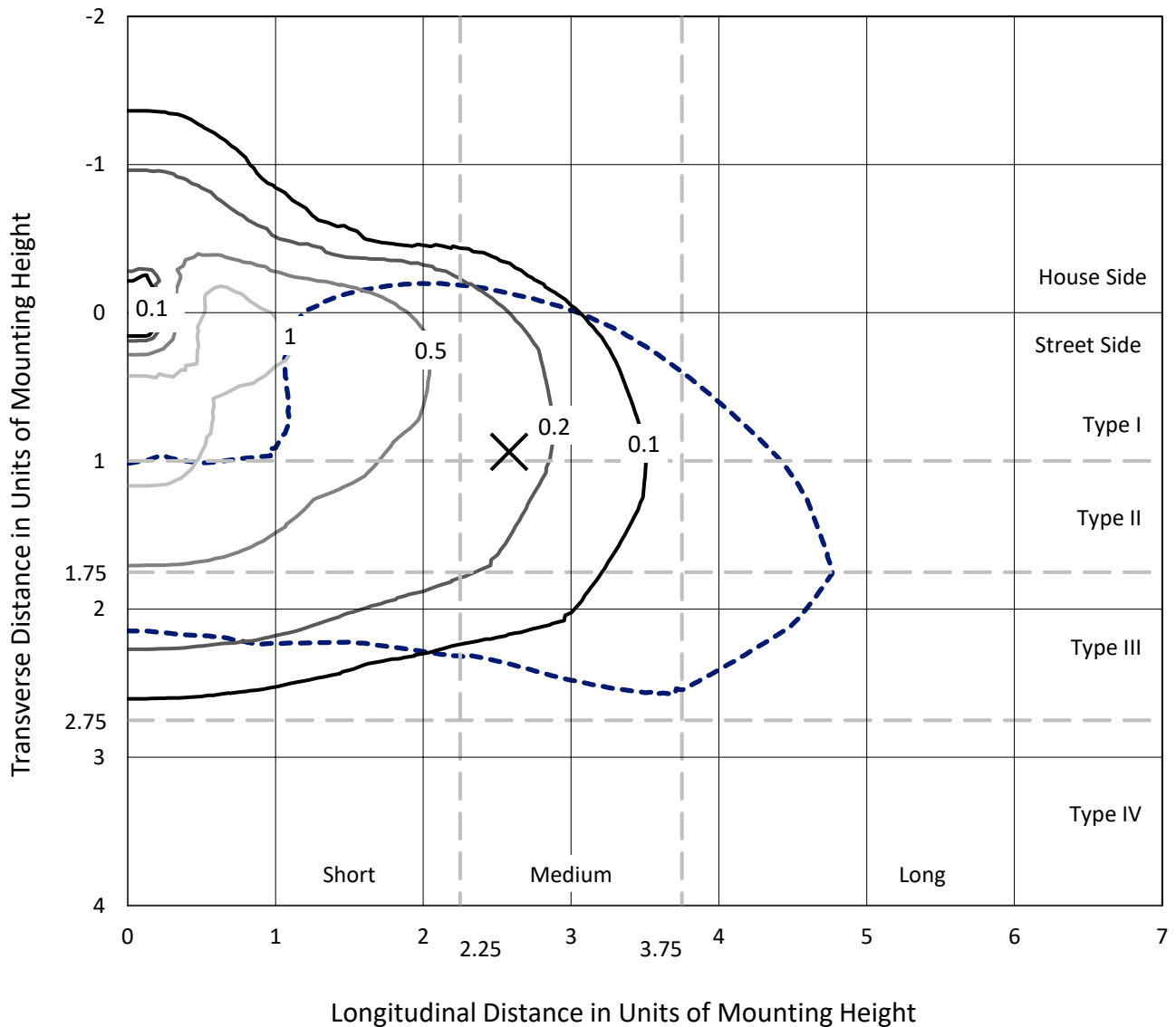
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

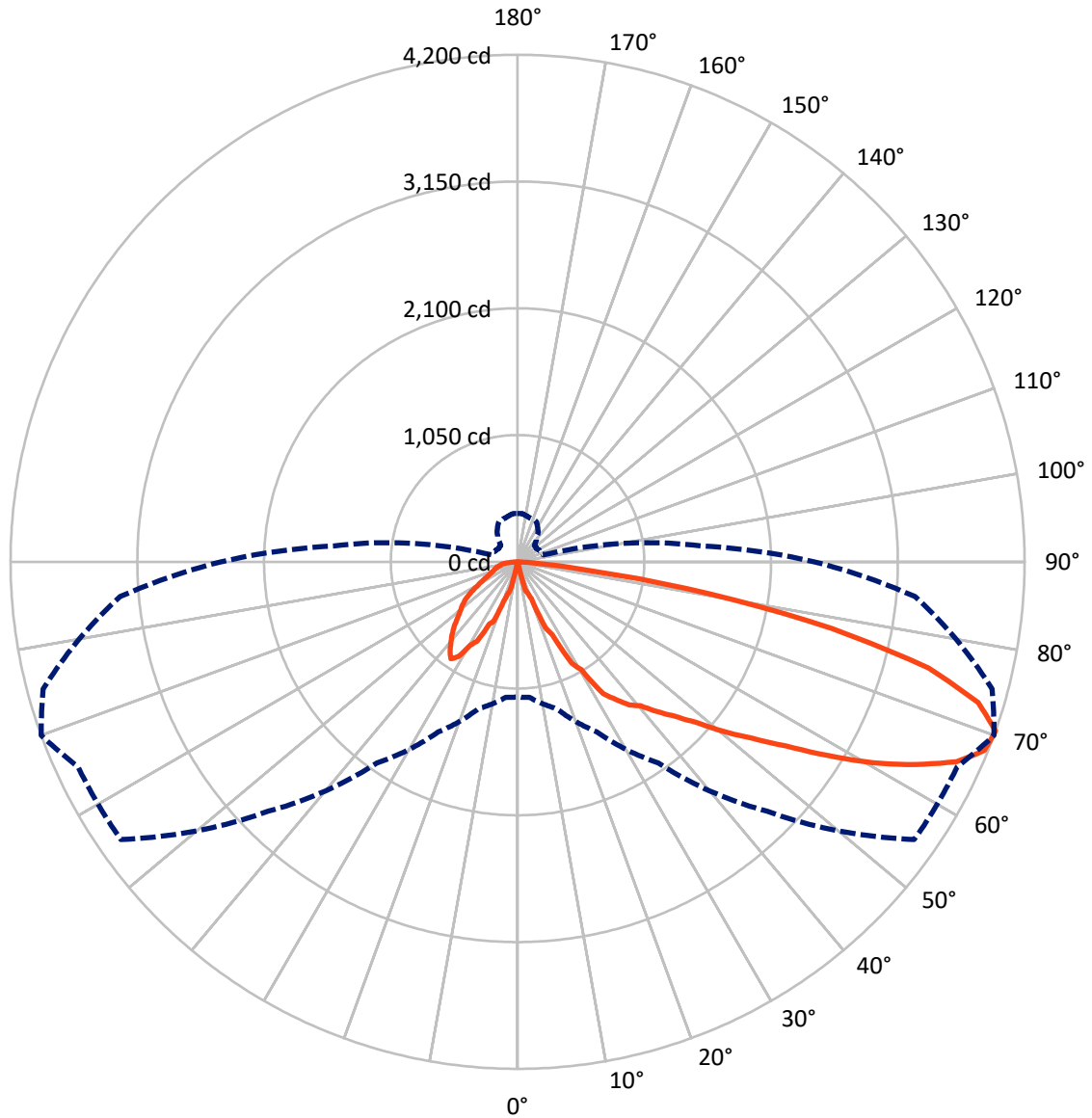
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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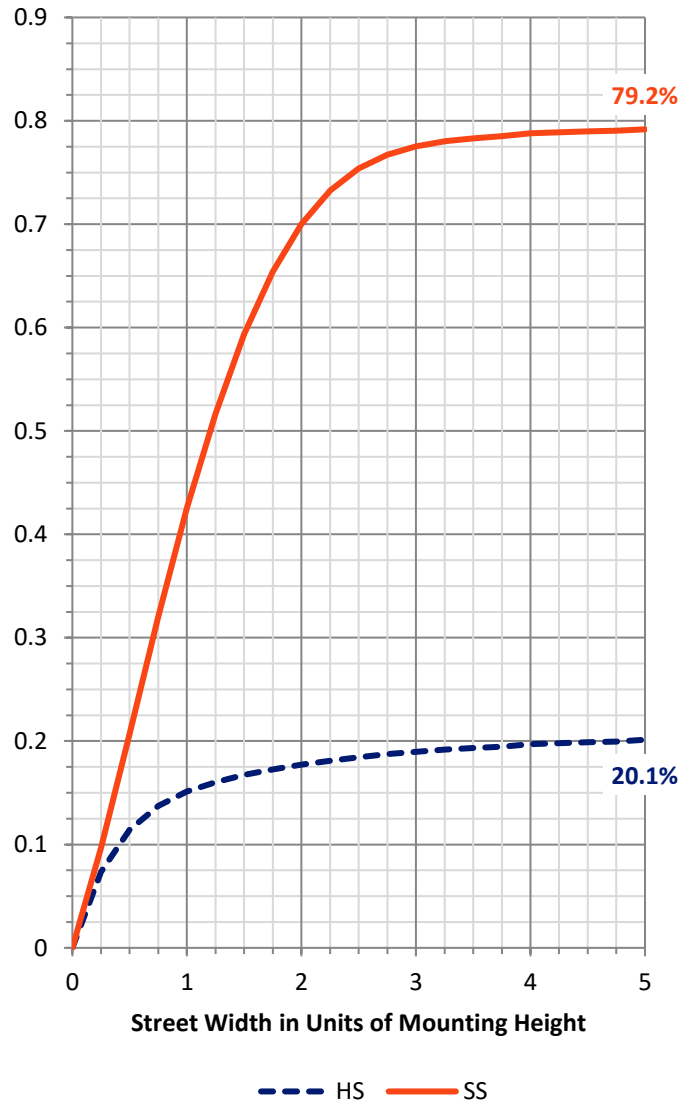
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1273.8	0.0	1273.8
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	4907.2	0.0	4907.2
	% Fixture	79.4	0.0	79.4
Total	Lumens	6181.0	0.0	6181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	52.3	0.8
20°-30°	295.7	4.8
30°-40°	657.6	10.6
40°-50°	940.5	15.2
50°-60°	1366.7	22.1
60°-70°	1715.3	27.8
70°-80°	1018.7	16.5
80°-90°	133.9	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°	6181.0	100.0
0°-180°	6181.0	100.0

Coefficient of Utilization

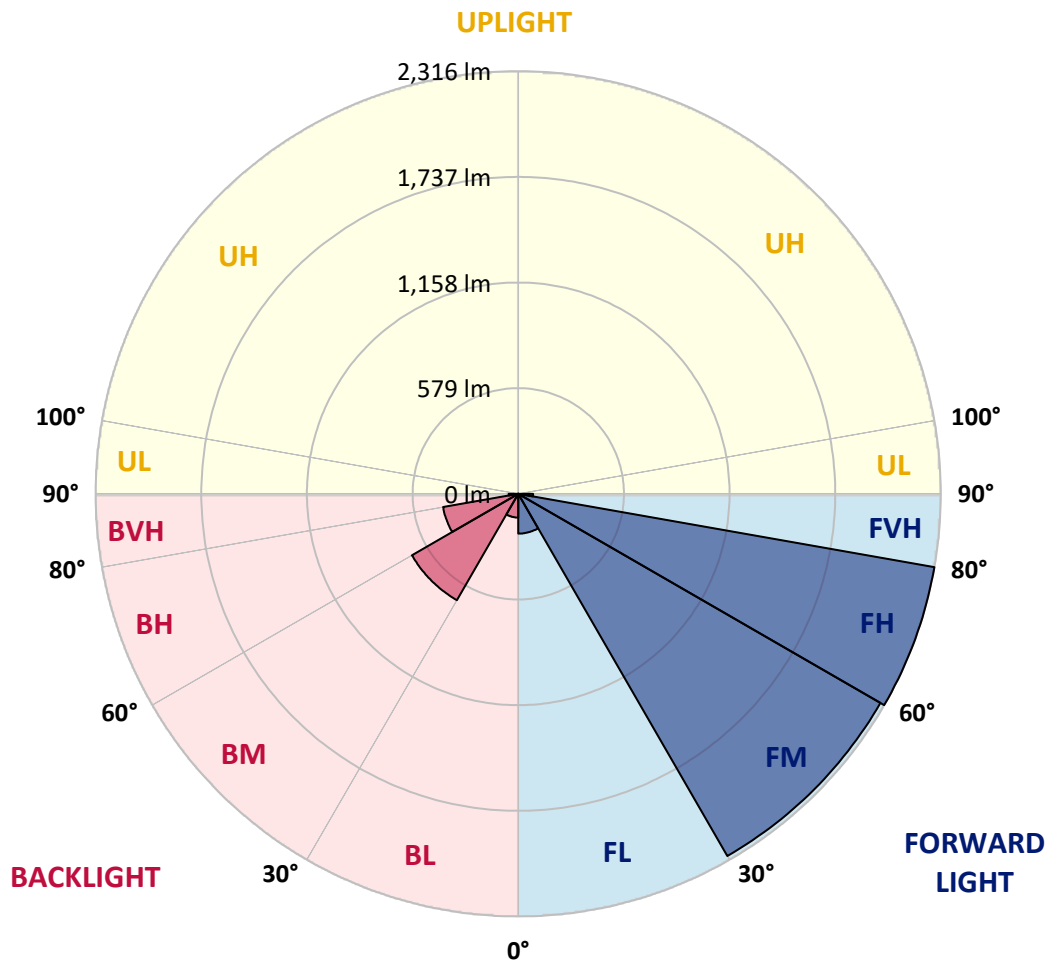


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.1	3.5			
FM (30°-60°)	2292.0	37.1			
FH (60°-80°)	2315.9	37.5			G2/5000
FVH (80°-90°)	81.3	1.3			G1/100
BL (0°-30°)	130.2	2.1	B1/500		
BM (30°-60°)	672.9	10.9	B1/1000		
BH (60°-80°)	418.1	6.8	B1/500		G1/500
BVH (80°-90°)	52.6	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 III Medium



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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°	27.6	29.8	19.1	10.6	4.3	2.1	2.1	2.1	2.1	2.1	2.1
12.5°	246.5	246.5	244.4	157.3	48.9	10.6	4.3	12.8	23.4	25.5	38.3
15°	274.2	274.2	274.2	269.9	257.2	89.3	40.4	225.3	246.5	252.9	252.9
17.5°	361.3	367.7	333.7	299.7	284.8	248.7	240.2	269.9	274.2	278.4	280.6
20°	614.2	614.2	614.2	548.4	337.9	435.7	399.6	308.2	323.1	386.8	533.5
22.5°	684.4	682.3	667.4	646.1	692.9	484.6	454.8	537.7	593.0	612.1	603.6
25°	1047.8	1045.7	990.4	731.1	763.0	654.6	684.4	682.3	669.5	675.9	667.4
27.5°	1137.1	1132.8	1128.6	1028.7	843.8	884.2	794.9	888.4	947.9	992.6	964.9
30°	1598.3	1506.9	1324.1	1166.8	1077.6	947.9	1022.3	1077.6	1037.2	1056.3	1011.7
32.5°	1689.7	1698.2	1689.7	1470.8	1198.7	1079.7	1147.7	1143.5	1302.9	1358.1	1343.3
35°	1781.1	1774.7	1762.0	1566.4	1394.3	1245.5	1209.4	1400.6	1400.6	1432.5	1387.9
37.5°	1853.3	1851.2	1834.2	1619.6	1492.0	1305.0	1368.8	1502.7	1504.8	1536.7	1438.9
40°	1915.0	1917.1	1910.7	1676.9	1570.7	1368.8	1443.1	1602.5	1568.5	1615.3	1523.9
42.5°	1968.1	1974.5	1985.1	1762.0	1638.7	1432.5	1513.3	1674.8	1696.1	1751.3	1647.2
45°	2065.9	2078.6	2093.5	1895.9	1730.1	1517.5	1608.9	1819.3	1823.6	1906.5	1817.2
47.5°	2189.2	2197.7	2229.5	2040.4	1866.1	1640.8	1706.7	1925.6	1987.2	2091.4	2021.3
50°	2295.4	2312.4	2354.9	2216.8	2053.1	1821.5	1844.8	2082.9	2206.2	2299.7	2235.9
52.5°	2376.2	2391.1	2454.8	2365.6	2250.8	2014.9	2019.1	2301.8	2427.2	2556.9	2518.6
55°	2442.1	2459.1	2518.6	2505.8	2431.5	2174.3	2259.3	2512.2	2688.6	2841.7	2799.1
57.5°	2452.7	2450.6	2563.2	2601.5	2556.9	2384.7	2563.2	2741.8	3024.4	3145.6	3147.7
60°	2403.8	2414.4	2548.3	2665.2	2669.5	2601.5	2894.8	3047.8	3379.4	3460.1	3485.6
62.5°	2299.7	2323.1	2471.8	2665.2	2760.9	2818.3	3217.8	3392.1	3698.2	3740.7	3713.1
65°	2102.0	2110.5	2257.2	2542.0	2769.4	3015.9	3551.5	3691.8	3993.6	3951.1	3764.1
67.5°	1698.2	1723.7	1859.7	2189.2	2567.5	3103.1	3855.5	3917.1	4170.0	4080.8	3638.7
70°	1120.1	1126.5	1260.4	1553.7	2034.0	2922.4	4010.6	4017.0	4199.8	4068.0	3305.0
72.5°	486.7	448.5	576.0	811.9	1247.6	2278.4	3821.5	3912.9	3989.4	3827.8	2737.5
75°	210.4	214.7	248.7	335.8	578.1	1288.0	3179.6	3411.3	3515.4	3260.4	1995.7
77.5°	157.3	157.3	180.7	204.0	269.9	486.7	2072.3	2539.8	2663.1	2361.3	1241.2
80°	114.8	119.0	136.0	148.8	174.3	197.7	1032.9	1538.8	1617.4	1230.6	546.2
82.5°	87.1	87.1	97.8	106.3	119.0	119.0	350.7	661.0	599.4	418.7	189.2
85°	38.3	31.9	51.0	48.9	53.1	42.5	93.5	121.1	121.1	95.6	42.5
87.5°	0.0	2.1	2.1	2.1	4.3	4.3	8.5	6.4	8.5	8.5	6.4
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°	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°	34.0	40.4	25.5	12.8	2.1	0.0	0.0	2.1	2.1	4.3	4.3
15°	257.2	255.0	255.0	233.8	40.4	6.4	4.3	21.3	72.3	153.0	150.9
17.5°	280.6	280.6	280.6	269.9	244.4	68.0	68.0	225.3	244.4	246.5	248.7
20°	531.3	525.0	406.0	291.2	257.2	244.4	223.2	246.5	250.8	252.9	257.2
22.5°	597.2	590.9	563.2	505.8	289.1	354.9	320.9	263.5	393.2	412.3	416.6
25°	663.1	646.1	603.6	529.2	484.6	359.2	376.2	376.2	393.2	391.1	393.2
27.5°	945.8	926.7	869.3	601.5	525.0	420.8	416.6	367.7	395.3	450.6	454.8
30°	990.4	967.1	888.4	692.9	552.6	459.1	388.9	437.8	459.1	452.7	454.8
32.5°	1307.1	1279.5	1154.1	697.1	556.9	423.0	431.5	437.8	446.3	486.7	491.0
35°	1347.5	1322.0	1152.0	799.1	514.3	420.8	416.6	446.3	495.2	501.6	503.7
37.5°	1404.9	1379.4	1128.6	729.0	512.2	416.6	406.0	440.0	457.0	450.6	446.3
40°	1487.8	1449.5	1084.0	652.5	465.5	395.3	395.3	403.8	416.6	393.2	386.8
42.5°	1611.1	1532.4	1035.1	584.5	427.2	367.7	367.7	369.8	361.3	340.1	340.1
45°	1745.0	1602.5	971.3	522.8	388.9	337.9	340.1	325.2	333.7	316.7	316.7
47.5°	1902.2	1687.6	892.7	463.3	354.9	310.3	306.1	308.2	318.8	306.1	306.1
50°	2082.9	1789.6	833.2	410.2	325.2	282.7	293.3	299.7	312.4	301.8	299.7
52.5°	2297.6	1898.0	786.4	367.7	299.7	259.3	284.8	293.3	308.2	301.8	299.7
55°	2548.3	2034.0	712.0	333.7	276.3	246.5	278.4	293.3	310.3	306.1	303.9
57.5°	2782.1	2150.9	607.9	299.7	259.3	238.0	276.3	293.3	314.6	310.3	308.2
60°	2992.6	2261.4	480.3	274.2	244.4	227.4	269.9	293.3	316.7	318.8	316.7
62.5°	3098.8	2267.8	388.9	255.0	229.5	216.8	263.5	291.2	314.6	327.3	327.3
65°	3047.8	2140.3	310.3	235.9	216.8	204.0	257.2	297.6	333.7	354.9	354.9
67.5°	2839.5	1883.1	257.2	221.0	201.9	193.4	265.7	335.8	369.8	391.1	391.1
70°	2459.1	1521.8	221.0	208.3	191.3	197.7	295.4	367.7	378.3	401.7	399.6
72.5°	1951.1	1137.1	197.7	195.5	184.9	208.3	314.6	354.9	354.9	363.4	354.9
75°	1373.0	722.6	178.5	182.8	170.0	191.3	297.6	331.6	316.7	312.4	310.3
77.5°	782.1	391.1	157.3	165.8	153.0	165.8	259.3	295.4	280.6	269.9	265.7
80°	335.8	199.8	136.0	148.8	133.9	140.3	216.8	255.0	244.4	231.7	227.4
82.5°	133.9	104.1	114.8	131.8	112.6	119.0	184.9	216.8	208.3	195.5	182.8
85°	38.3	40.4	70.1	93.5	85.0	93.5	148.8	172.2	159.4	125.4	121.1
87.5°	4.3	6.4	14.9	19.1	21.3	17.0	34.0	46.8	42.5	31.9	25.5
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)