

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: P417071

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-727-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8219 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

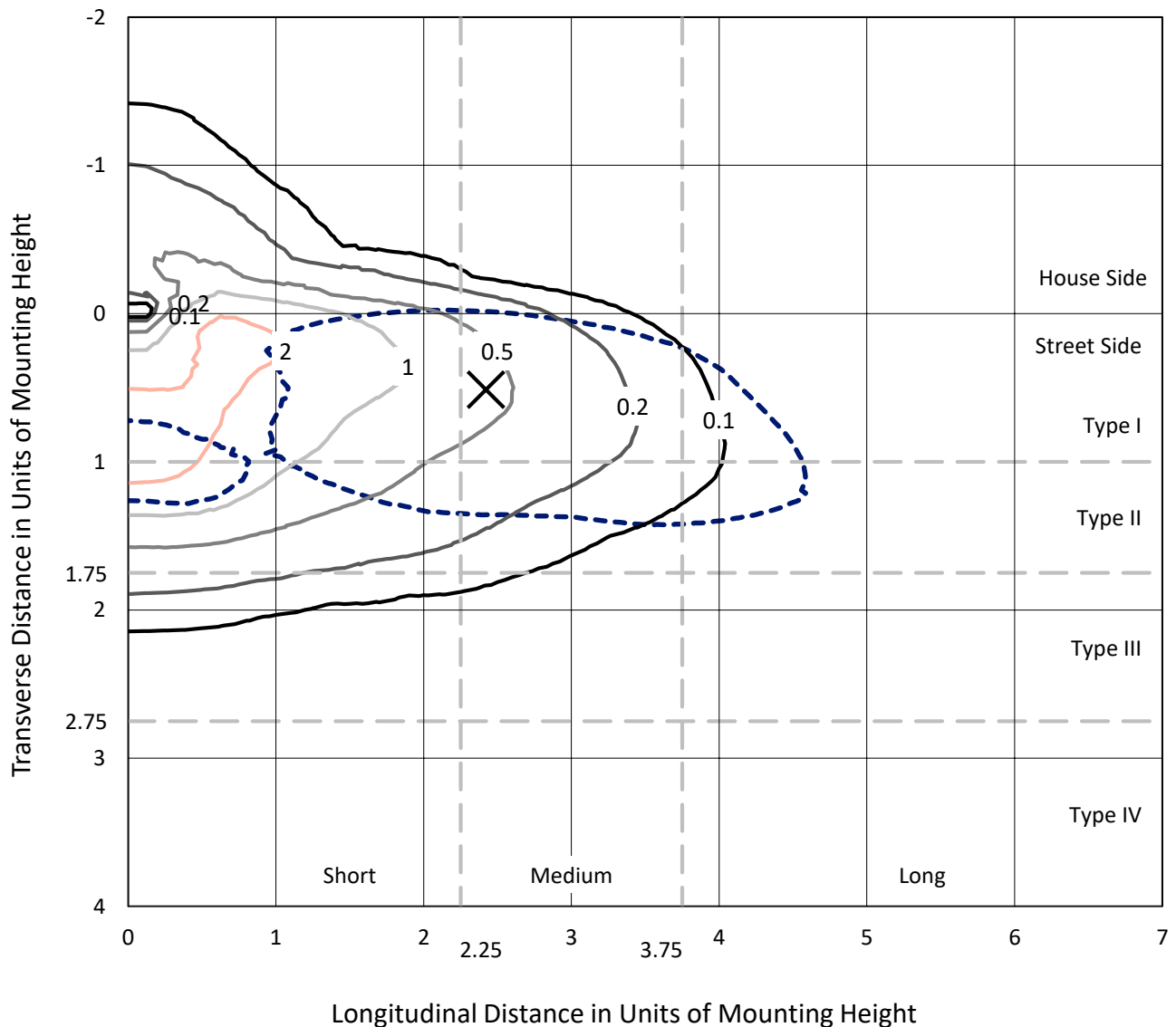
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

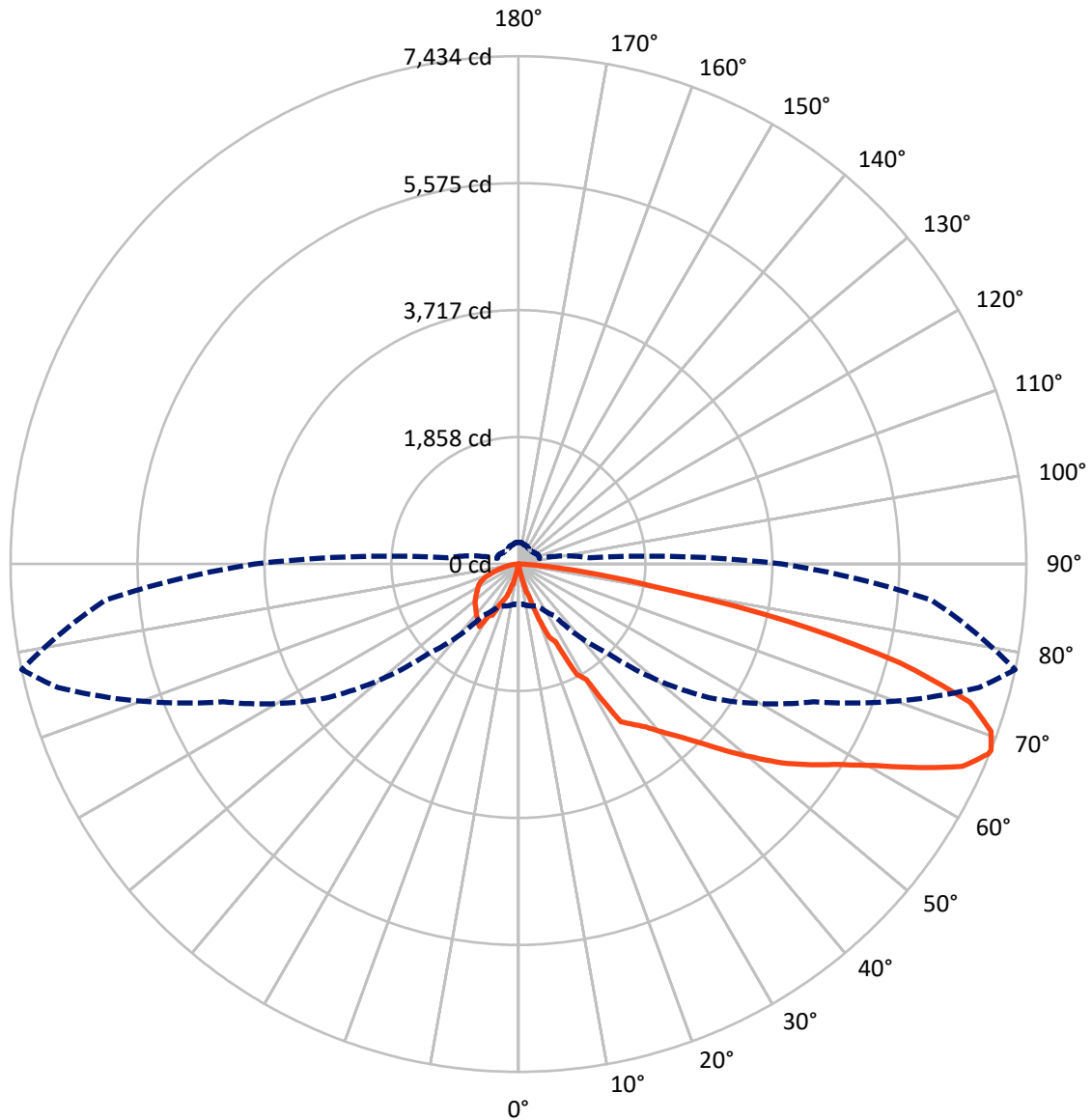


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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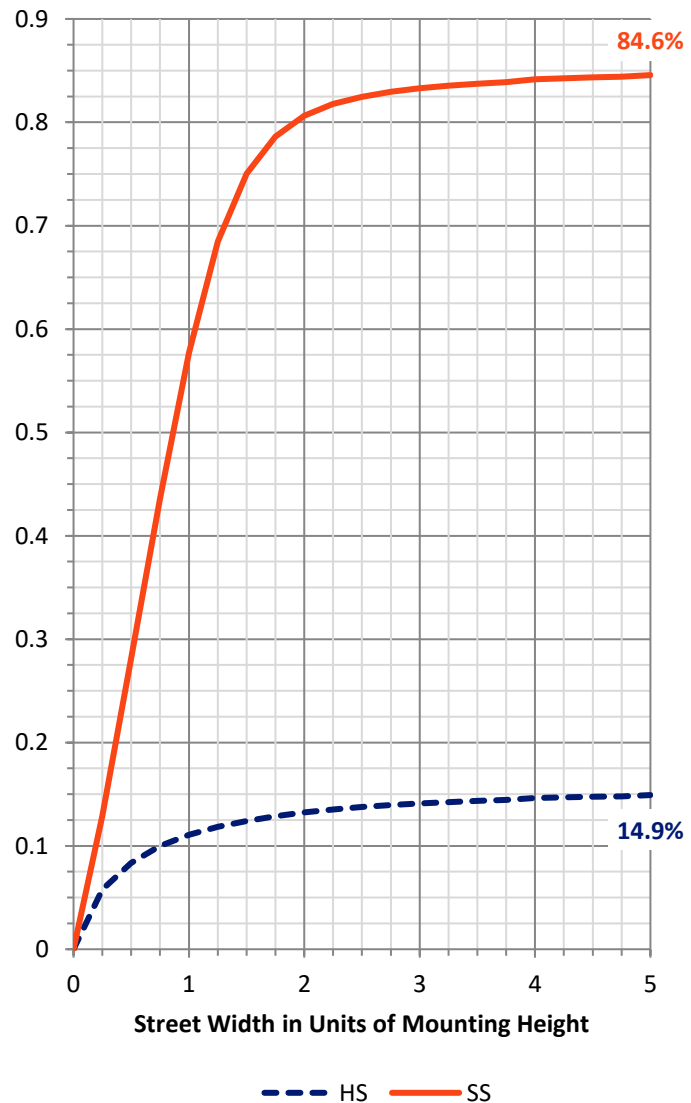
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1247.8	0.0	1247.8
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	6971.2	0.0	6971.2
	% Fixture	84.8	0.0	84.8
Total	Lumens	8219.0	0.0	8219.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	0.1
10°-20°	119.1	1.4
20°-30°	453.5	5.5
30°-40°	1058.9	12.9
40°-50°	1653.2	20.1
50°-60°	1897.7	23.1
60°-70°	1763.3	21.5
70°-80°	1089.6	13.3
80°-90°	175.4	2.1
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°	8219.0	100.0
0°-180°	8219.0	100.0



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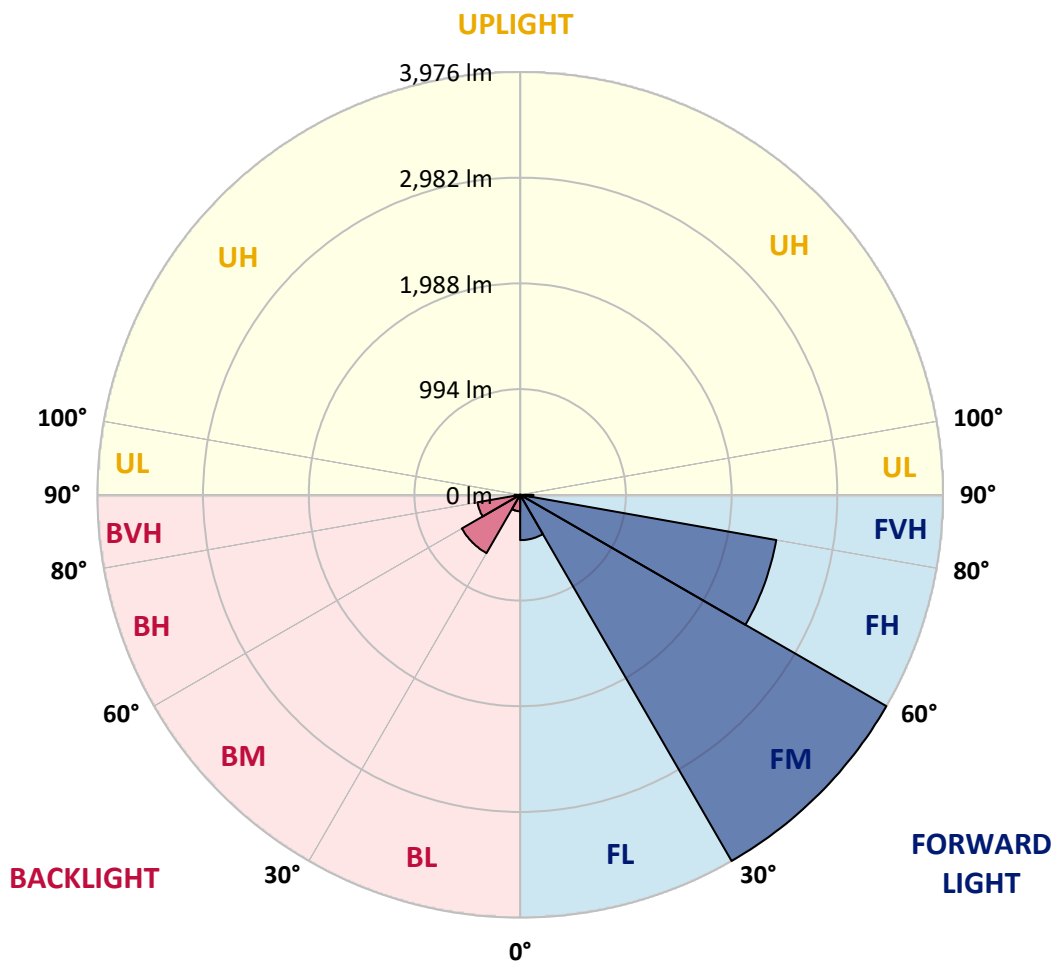
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	426.2	5.2			
FM (30°-60°)	3975.8	48.4			
FH (60°-80°)	2445.1	29.7			G2/5000
FVH (80°-90°)	124.1	1.5			G2/225
BL (0°-30°)	154.7	1.9	B1/500		
BM (30°-60°)	634.0	7.7	B1/1000		
BH (60°-80°)	407.9	5.0	B1/500		G1/500
BVH (80°-90°)	51.3	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	6.3	6.3	7.2	8.1	9.9	9.0	6.3	4.5	3.6	3.6	3.6
5°	291.3	267.8	149.7	77.5	27.1	16.2	8.1	6.3	4.5	4.5	3.6
7.5°	329.1	327.3	324.6	321.9	317.4	300.3	31.6	9.0	5.4	5.4	3.6
10°	355.3	352.6	350.8	349.0	342.7	333.6	318.3	28.0	9.9	9.0	8.1
12.5°	689.8	688.0	685.3	438.2	371.5	361.6	348.1	248.9	28.9	43.3	130.7
15°	688.0	685.3	693.4	707.8	719.6	395.9	399.5	698.8	432.8	415.7	442.7
17.5°	717.8	714.2	705.1	715.1	736.7	827.8	782.7	756.5	509.5	486.0	472.5
20°	1052.3	1052.3	1063.1	1054.1	764.7	1057.7	1001.8	812.4	920.7	865.7	805.2
22.5°	1113.6	1109.1	1110.9	1129.0	1327.3	1096.5	1105.5	1253.4	1279.5	1168.6	1001.8
25°	1583.4	1582.5	1520.3	1193.0	1399.5	1321.9	1527.5	1340.9	1387.7	1257.0	1229.0
27.5°	1781.8	1783.6	1733.1	1688.0	1478.8	1714.2	1621.3	1765.6	1971.2	1831.4	1574.4
30°	2397.7	2374.2	1977.5	1933.3	1809.8	1807.0	1963.0	2084.8	2027.1	1961.2	1758.4
32.5°	2849.4	2826.0	2738.5	2432.8	2151.5	2012.6	2255.2	2181.3	2644.7	2752.9	2384.1
35°	3548.3	3540.2	3075.8	2760.2	2526.6	2433.7	2369.7	2657.4	2863.0	2879.2	2539.2
37.5°	4084.8	4058.6	3786.3	3230.0	2844.0	2629.4	2781.8	2786.3	3101.9	3025.3	2781.8
40°	4330.1	4313.8	4104.6	3582.5	3136.2	2893.6	2954.9	2981.1	3363.4	3230.9	2958.5
42.5°	4516.7	4496.9	4364.3	3794.4	3393.2	3161.4	3133.5	3156.9	3616.8	3455.4	3147.9
45°	4613.2	4601.5	4539.3	3945.0	3572.6	3331.9	3324.6	3312.0	3789.0	3732.2	3353.5
47.5°	4559.1	4546.5	4574.4	4149.7	3684.4	3471.6	3502.3	3479.7	3986.5	4079.4	3577.1
50°	4258.8	4270.5	4382.4	4157.8	3755.7	3585.2	3689.8	3633.9	4255.2	4445.5	3848.5
52.5°	3389.6	3437.4	3910.8	3977.5	3762.9	3638.4	3858.5	3869.3	4588.9	4836.8	4205.6
55°	2529.3	2597.0	3016.3	3537.4	3618.6	3640.2	3966.7	4084.8	4921.6	5184.9	4505.9
57.5°	1991.0	2032.5	2299.4	2822.4	3270.5	3576.2	4077.6	4259.7	5230.9	5533.0	4800.8
60°	1591.5	1566.3	1740.3	2137.1	2725.9	3396.8	4126.3	4487.9	5615.9	5982.0	5147.9
62.5°	1150.6	1152.4	1285.0	1511.3	2157.8	3042.4	4088.4	4708.8	6106.4	6562.7	5610.5
65°	816.1	824.2	914.3	1036.1	1560.0	2555.5	3900.8	4859.4	6660.1	7143.4	5986.5
67.5°	621.3	626.7	669.1	725.9	1008.1	1944.1	3515.8	4828.7	6964.0	7418.4	6095.6
68°	596.0	587.0	634.8	676.3	927.9	1843.1	3410.3	4767.4	6978.4	7433.8	6069.5
70°	502.3	502.3	523.9	533.8	657.4	1362.5	2893.6	4396.8	6927.0	7339.1	5871.1
72.5°	419.3	416.6	429.2	421.1	464.4	891.8	2101.9	3791.7	6560.0	6907.2	5280.5
75°	349.0	349.0	350.8	344.5	356.2	597.8	1366.1	2970.3	5795.4	5767.4	4297.6
77.5°	297.6	290.4	288.6	279.5	289.5	434.6	837.7	2113.6	4184.0	4033.4	2728.6
80°	236.3	235.3	237.2	231.7	239.9	316.5	510.4	1235.4	2278.6	2005.4	1272.3
82.5°	146.1	160.5	176.7	176.7	202.0	223.6	309.3	661.0	1104.6	971.2	540.1
85°	47.8	58.6	103.7	107.3	129.8	104.6	177.6	212.8	368.8	329.1	103.7
87.5°	1.8	2.7	8.1	12.6	11.7	7.2	12.6	9.9	20.7	15.3	16.2
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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	3.6	3.6	3.6	4.5	4.5	2.7	1.8	3.6	3.6	3.6	3.6
5°	3.6	3.6	4.5	4.5	4.5	3.6	4.5	6.3	7.2	7.2	7.2
7.5°	3.6	3.6	3.6	5.4	5.4	6.3	9.0	54.1	124.4	136.2	134.4
10°	7.2	6.3	7.2	8.1	9.9	115.4	151.5	159.6	163.2	165.9	165.0
12.5°	173.1	155.1	28.9	16.2	109.1	162.3	165.0	171.3	177.6	180.3	180.3
15°	405.8	363.4	277.7	209.2	186.7	173.1	175.8	230.8	313.8	321.9	322.8
17.5°	431.0	377.8	290.4	320.1	330.0	257.0	282.2	317.4	321.0	321.9	321.9
20°	812.4	680.8	413.0	337.2	336.3	430.1	301.2	310.2	315.6	358.9	364.3
22.5°	879.2	729.5	495.9	478.8	362.5	430.1	394.1	383.2	419.3	415.7	418.4
25°	1105.5	875.6	522.1	480.6	507.7	416.6	462.6	381.4	387.7	385.9	385.9
27.5°	1405.8	1104.6	729.5	538.3	493.2	481.5	428.3	367.0	440.0	441.8	441.8
30°	1488.7	1136.2	729.5	581.6	513.1	473.4	395.9	433.7	409.4	402.2	398.6
32.5°	2063.1	1541.0	882.8	560.0	505.9	434.6	433.7	403.1	402.2	418.4	418.4
35°	2167.7	1564.5	806.1	640.2	477.0	448.2	412.1	407.6	389.5	383.2	382.3
37.5°	2271.4	1578.9	747.5	587.9	489.6	427.4	405.8	374.2	394.1	394.1	392.2
40°	2382.3	1594.2	694.3	540.1	450.0	427.4	376.0	373.3	346.3	348.1	346.3
42.5°	2501.4	1600.6	637.5	500.5	413.0	401.3	363.4	335.4	334.5	340.8	339.0
45°	2637.5	1608.7	585.2	450.0	376.0	353.5	324.6	326.4	343.6	358.0	358.0
47.5°	2782.7	1615.9	541.9	404.9	349.9	321.0	299.4	306.6	337.2	351.7	356.2
50°	2979.3	1624.9	492.3	367.9	331.8	296.7	293.1	299.4	332.7	343.6	339.0
52.5°	3188.5	1608.7	443.6	344.5	312.9	269.6	275.9	292.2	328.2	333.6	330.0
55°	3359.8	1568.1	405.8	329.1	299.4	257.9	266.9	286.7	321.0	323.7	324.6
57.5°	3559.1	1514.9	376.0	317.4	291.3	252.5	263.3	285.8	306.6	319.2	319.2
60°	3754.8	1452.7	358.0	311.1	284.9	252.5	263.3	284.9	303.9	317.4	316.5
62.5°	3983.8	1382.3	347.2	314.7	276.8	255.2	265.1	287.6	303.0	318.3	316.5
65°	4064.0	1248.0	339.0	320.1	275.9	258.8	266.0	291.3	302.1	320.1	318.3
67.5°	3905.3	1070.3	325.5	320.1	284.0	263.3	265.1	289.5	299.4	321.0	312.9
68°	3852.1	1044.2	321.0	319.2	284.9	264.2	265.1	288.6	297.6	320.1	311.1
70°	3556.4	878.3	298.5	310.2	288.6	267.8	260.6	282.2	288.6	318.3	307.5
72.5°	3077.6	684.4	260.6	288.6	284.9	273.2	252.5	269.6	273.2	297.6	279.5
75°	2460.8	520.3	215.5	250.7	267.8	273.2	240.8	252.5	251.6	263.3	247.1
77.5°	1547.4	371.5	174.0	212.8	243.5	266.0	229.9	229.9	219.1	220.9	213.7
80°	750.2	254.3	140.7	175.8	203.8	251.6	211.0	193.9	180.3	176.7	167.7
82.5°	368.8	164.1	97.4	132.6	161.4	208.3	189.4	159.6	136.2	134.4	119.9
85°	85.7	67.6	53.2	70.3	101.9	136.2	136.2	100.1	84.8	110.0	81.2
87.5°	8.1	9.9	10.8	9.9	12.6	11.7	28.9	28.9	26.1	17.1	11.7
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)