

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: P416707

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416707
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-PA1-80-730-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8301 lumens
Efficiency: N/A
Efficacy: 100.0 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

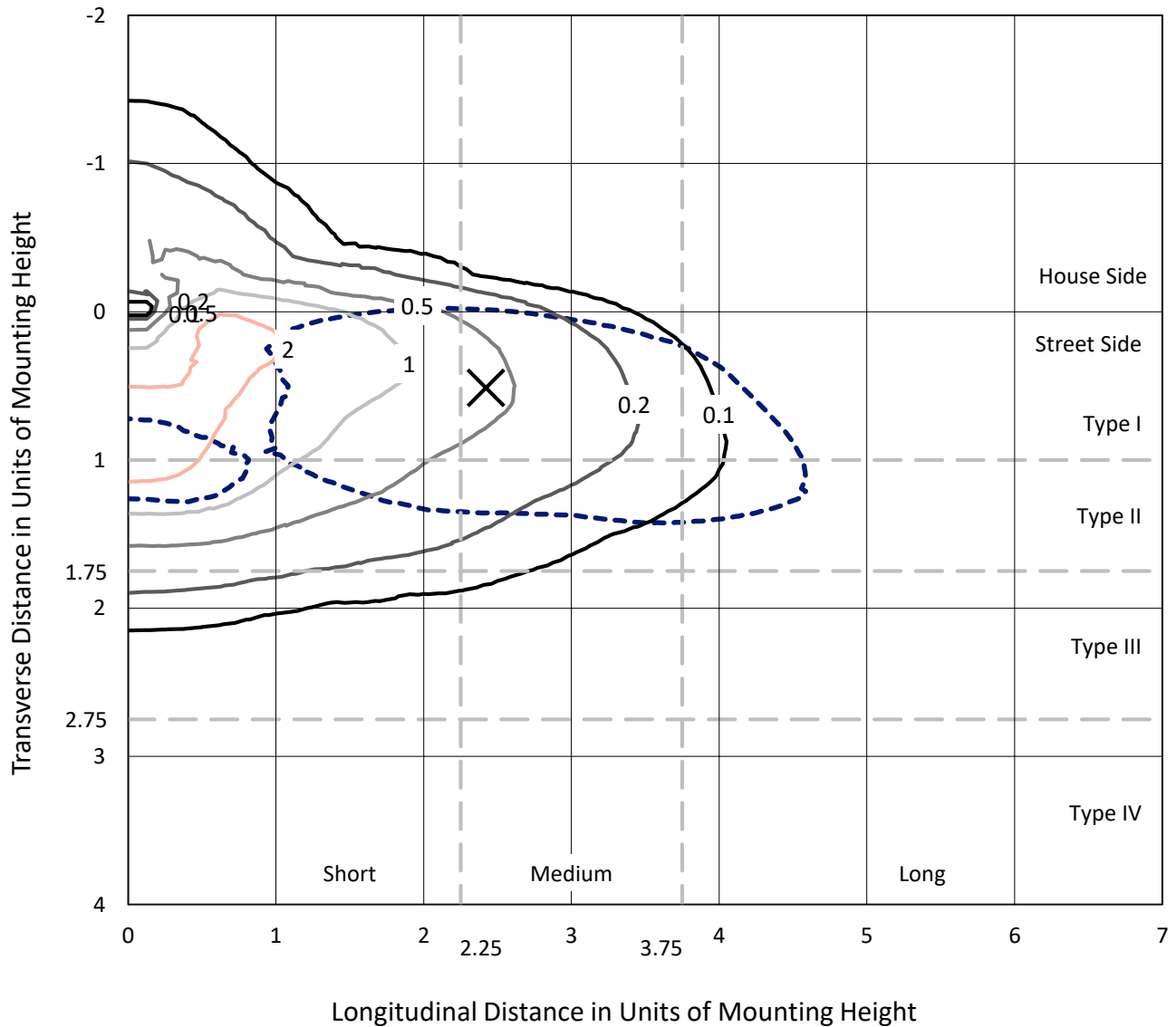
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

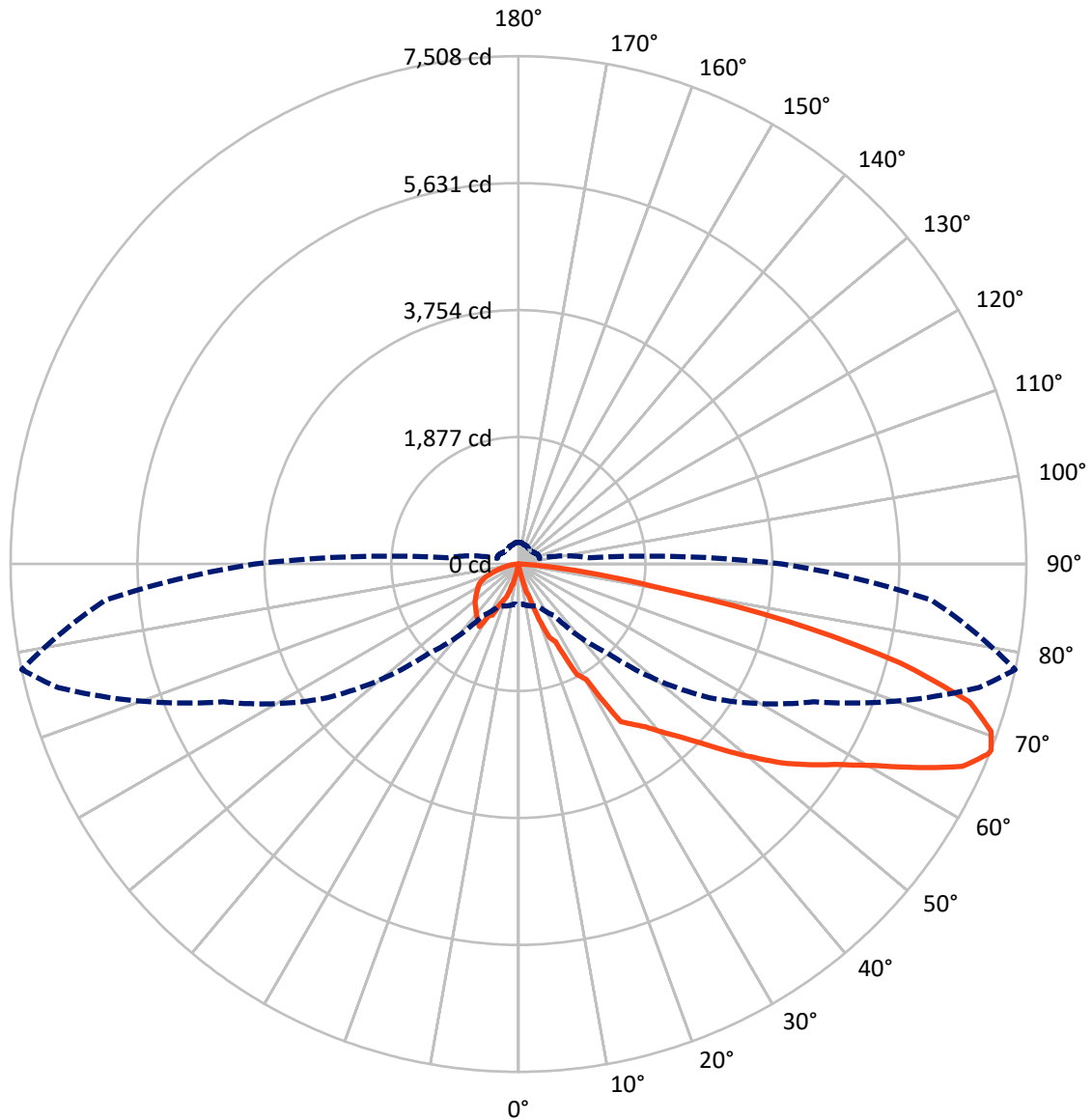
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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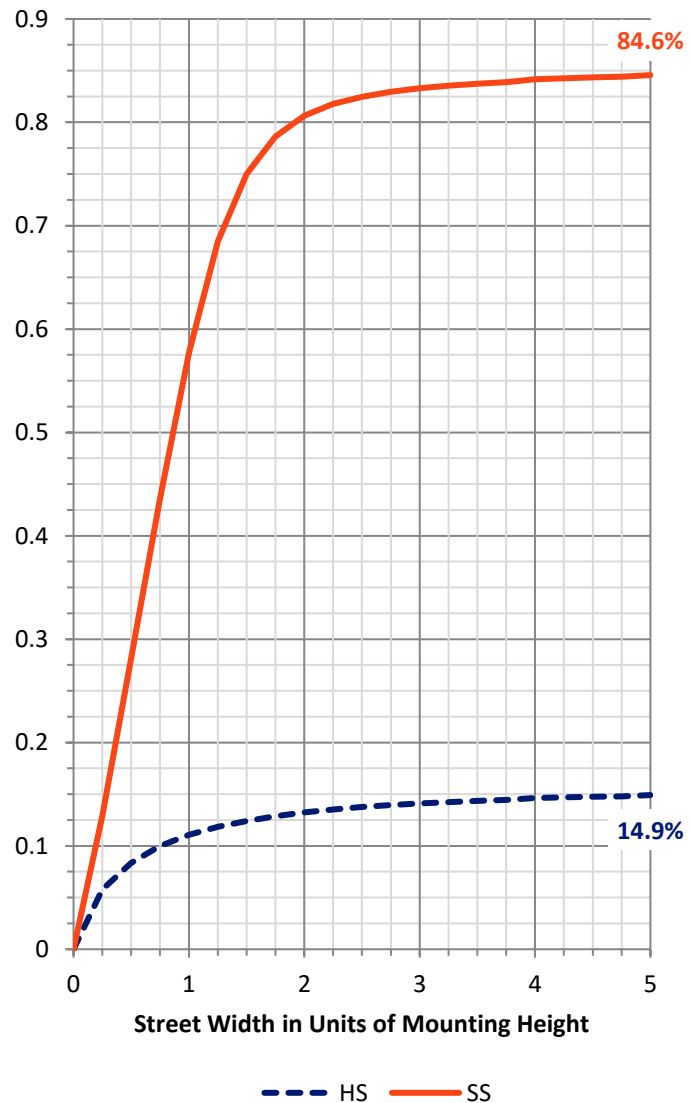
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1260.3	0.0	1260.3
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	7040.7	0.0	7040.7
	% Fixture	84.8	0.0	84.8
Total	Lumens	8301.0	0.0	8301.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.1
10°-20°	120.3	1.4
20°-30°	458.1	5.5
30°-40°	1069.5	12.9
40°-50°	1669.7	20.1
50°-60°	1916.6	23.1
60°-70°	1780.9	21.5
70°-80°	1100.4	13.3
80°-90°	177.2	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°	8301.0	100.0
0°-180°	8301.0	100.0

Coefficient of Utilization



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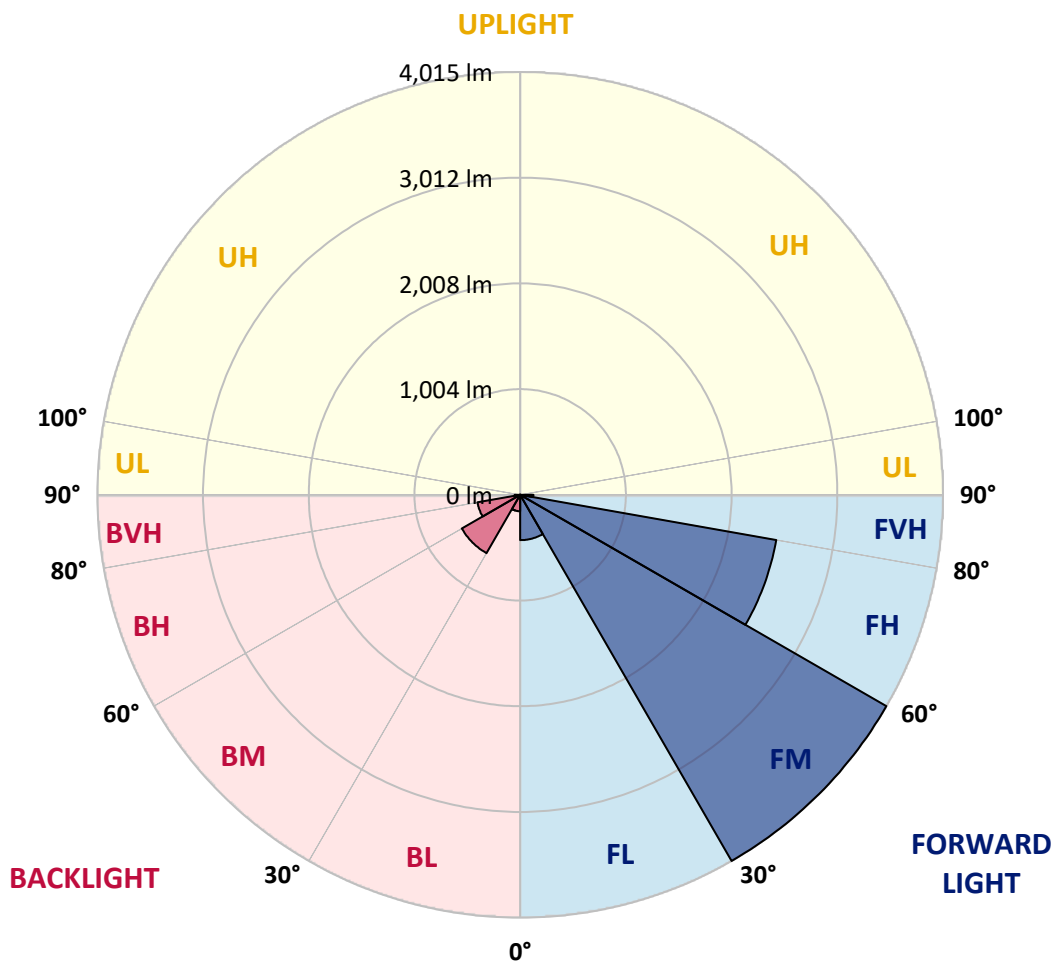
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	430.4	5.2			
FM	(30°-60°)	4015.5	48.4			
FH	(60°-80°)	2469.4	29.7			G2/5000
FVH	(80°-90°)	125.4	1.5			G2/225
BL	(0°-30°)	156.2	1.9	B1/500		
BM	(30°-60°)	640.3	7.7	B1/1000		
BH	(60°-80°)	411.9	5.0	B1/500		G1/500
BVH	(80°-90°)	51.8	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°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2.5°	6.4	6.4	7.3	8.2	10.0	9.1	6.4	4.6	3.6	3.6	3.6
5°	294.2	270.5	151.2	78.3	27.3	16.4	8.2	6.4	4.6	4.6	3.6
7.5°	332.4	330.6	327.9	325.1	320.6	303.3	31.9	9.1	5.5	5.5	3.6
10°	358.8	356.1	354.3	352.4	346.1	337.0	321.5	28.2	10.0	9.1	8.2
12.5°	696.7	694.9	692.1	442.6	375.2	365.2	351.5	251.4	29.1	43.7	132.1
15°	694.9	692.1	700.3	714.9	726.8	399.8	403.4	705.8	437.1	419.8	447.2
17.5°	724.9	721.3	712.2	722.2	744.1	836.0	790.5	764.1	514.6	490.9	477.2
20°	1062.8	1062.8	1073.7	1064.6	772.3	1068.3	1011.8	820.6	929.8	874.3	813.3
22.5°	1124.7	1120.2	1122.0	1140.2	1340.6	1107.4	1116.5	1265.9	1292.3	1180.3	1011.8
25°	1599.2	1598.3	1535.5	1204.9	1413.4	1335.1	1542.8	1354.2	1401.6	1269.5	1241.3
27.5°	1799.6	1801.4	1750.4	1704.9	1493.6	1731.3	1637.5	1783.2	1990.8	1849.7	1590.1
30°	2421.6	2397.9	1997.2	1952.6	1827.8	1825.1	1982.6	2105.6	2047.3	1980.8	1775.9
32.5°	2877.9	2854.2	2765.8	2457.1	2173.0	2032.7	2277.7	2203.0	2671.1	2780.4	2407.9
35°	3583.7	3575.5	3106.5	2787.7	2551.8	2458.0	2393.4	2683.9	2891.5	2907.9	2564.6
37.5°	4125.5	4099.1	3824.1	3262.2	2872.4	2655.6	2809.6	2814.1	3132.9	3055.5	2809.6
40°	4373.3	4356.9	4145.6	3618.3	3167.5	2922.5	2984.4	3010.8	3397.0	3263.1	2988.1
42.5°	4561.8	4541.7	4407.9	3832.3	3427.0	3193.0	3164.7	3188.4	3652.9	3489.9	3179.3
45°	4659.2	4647.4	4584.5	3984.4	3608.3	3365.1	3357.8	3345.1	3826.8	3769.5	3387.0
47.5°	4604.6	4591.8	4620.1	4191.1	3721.2	3506.3	3537.2	3514.5	4026.3	4120.1	3612.8
50°	4301.3	4313.2	4426.1	4199.3	3793.1	3621.0	3726.6	3670.2	4297.7	4489.8	3886.9
52.5°	3423.4	3471.6	3949.8	4017.2	3800.4	3674.7	3897.0	3907.9	4634.6	4885.1	4247.6
55°	2554.6	2622.9	3046.3	3572.7	3654.7	3676.6	4006.2	4125.5	4970.7	5236.6	4550.8
57.5°	2010.9	2052.8	2322.3	2850.5	3303.2	3611.9	4118.3	4302.2	5283.1	5588.2	4848.7
60°	1607.4	1581.9	1757.7	2158.4	2753.1	3430.7	4167.4	4532.6	5671.9	6041.7	5199.3
62.5°	1162.1	1163.9	1297.8	1526.4	2179.3	3072.8	4129.2	4755.8	6167.4	6628.2	5666.5
65°	824.2	832.4	923.5	1046.4	1575.5	2581.0	3939.8	4907.8	6726.5	7214.7	6046.2
67.5°	627.5	632.9	675.8	733.1	1018.2	1963.5	3550.9	4876.9	7033.5	7492.5	6156.4
68°	602.0	592.9	641.1	683.0	937.1	1861.5	3444.3	4815.0	7048.0	7507.9	6130.0
70°	507.3	507.3	529.1	539.1	663.9	1376.1	2922.5	4440.7	6996.1	7412.3	5929.7
72.5°	423.5	420.8	433.5	425.3	469.0	900.7	2122.9	3829.6	6625.5	6976.1	5333.2
75°	352.4	352.4	354.3	347.9	359.7	603.8	1379.7	2999.9	5853.2	5824.9	4340.5
77.5°	300.5	293.3	291.4	282.3	292.3	439.0	846.1	2134.7	4225.7	4073.6	2755.8
80°	238.6	237.7	239.5	234.1	242.3	319.7	515.5	1247.7	2301.4	2025.4	1285.0
82.5°	147.5	162.1	178.5	178.5	204.0	225.9	312.4	667.6	1115.6	980.8	545.5
85°	48.3	59.2	104.7	108.4	131.1	105.6	179.4	214.9	372.5	332.4	104.7
87.5°	1.8	2.7	8.2	12.8	11.8	7.3	12.8	10.0	20.9	15.5	16.4
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°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2.5°	3.6	3.6	3.6	4.6	4.6	2.7	1.8	3.6	3.6	3.6	3.6
5°	3.6	3.6	4.6	4.6	4.6	3.6	4.6	6.4	7.3	7.3	7.3
7.5°	3.6	3.6	3.6	5.5	5.5	6.4	9.1	54.6	125.7	137.5	135.7
10°	7.3	6.4	7.3	8.2	10.0	116.6	153.0	161.2	164.8	167.6	166.7
12.5°	174.9	156.6	29.1	16.4	110.2	163.9	166.7	173.0	179.4	182.1	182.1
15°	409.8	367.0	280.5	211.3	188.5	174.9	177.6	233.1	316.9	325.1	326.0
17.5°	435.3	381.6	293.3	323.3	333.3	259.6	285.1	320.6	324.2	325.1	325.1
20°	820.6	687.6	417.1	340.6	339.7	434.4	304.2	313.3	318.8	362.5	367.9
22.5°	887.9	736.8	500.9	483.6	366.1	434.4	398.0	387.1	423.5	419.8	422.6
25°	1116.5	884.3	527.3	485.4	512.7	420.8	467.2	385.2	391.6	389.8	389.8
27.5°	1419.8	1115.6	736.8	543.7	498.2	486.3	432.6	370.7	444.4	446.3	446.3
30°	1503.6	1147.5	736.8	587.4	518.2	478.1	399.8	438.1	413.5	406.2	402.5
32.5°	2083.7	1556.4	891.6	565.6	510.9	439.0	438.1	407.1	406.2	422.6	422.6
35°	2189.4	1580.1	814.2	646.6	481.8	452.6	416.2	411.6	393.4	387.1	386.1
37.5°	2294.1	1594.7	755.0	593.8	494.5	431.7	409.8	377.9	398.0	398.0	396.2
40°	2406.1	1610.1	701.3	545.5	454.4	431.7	379.8	377.0	349.7	351.5	349.7
42.5°	2526.3	1616.5	643.9	505.4	417.1	405.3	367.0	338.8	337.9	344.3	342.4
45°	2663.8	1624.7	591.1	454.4	379.8	357.0	327.9	329.7	347.0	361.6	361.6
47.5°	2810.5	1632.0	547.3	408.9	353.4	324.2	302.4	309.6	340.6	355.2	359.7
50°	3009.0	1641.1	497.3	371.6	335.1	299.6	296.0	302.4	336.1	347.0	342.4
52.5°	3220.3	1624.7	448.1	347.9	316.0	272.3	278.7	295.1	331.5	337.0	333.3
55°	3393.3	1583.7	409.8	332.4	302.4	260.5	269.6	289.6	324.2	326.9	327.9
57.5°	3594.6	1530.0	379.8	320.6	294.2	255.0	265.9	288.7	309.6	322.4	322.4
60°	3792.2	1467.2	361.6	314.2	287.8	255.0	265.9	287.8	306.9	320.6	319.7
62.5°	4023.5	1396.1	350.6	317.8	279.6	257.7	267.8	290.5	306.0	321.5	319.7
65°	4104.6	1260.4	342.4	323.3	278.7	261.4	268.7	294.2	305.1	323.3	321.5
67.5°	3944.3	1081.0	328.8	323.3	286.9	265.9	267.8	292.3	302.4	324.2	316.0
68°	3890.6	1054.6	324.2	322.4	287.8	266.8	267.8	291.4	300.5	323.3	314.2
70°	3591.9	887.0	301.4	313.3	291.4	270.5	263.2	285.1	291.4	321.5	310.6
72.5°	3108.3	691.2	263.2	291.4	287.8	275.9	255.0	272.3	275.9	300.5	282.3
75°	2485.3	525.5	217.7	253.2	270.5	275.9	243.2	255.0	254.1	265.9	249.5
77.5°	1562.8	375.2	175.8	214.9	245.9	268.7	232.2	232.2	221.3	223.1	215.8
80°	757.7	256.8	142.1	177.6	205.8	254.1	213.1	195.8	182.1	178.5	169.4
82.5°	372.5	165.8	98.4	133.9	163.0	210.4	191.3	161.2	137.5	135.7	121.1
85°	86.5	68.3	53.7	71.0	102.9	137.5	137.5	101.1	85.6	111.1	82.0
87.5°	8.2	10.0	10.9	10.0	12.8	11.8	29.1	29.1	26.4	17.3	11.8
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)