

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: P413743

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T2R**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413743  
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-PA1-100-727-U-T2R  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8323 lumens  
Efficiency: N/A  
Efficacy: 86.7 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

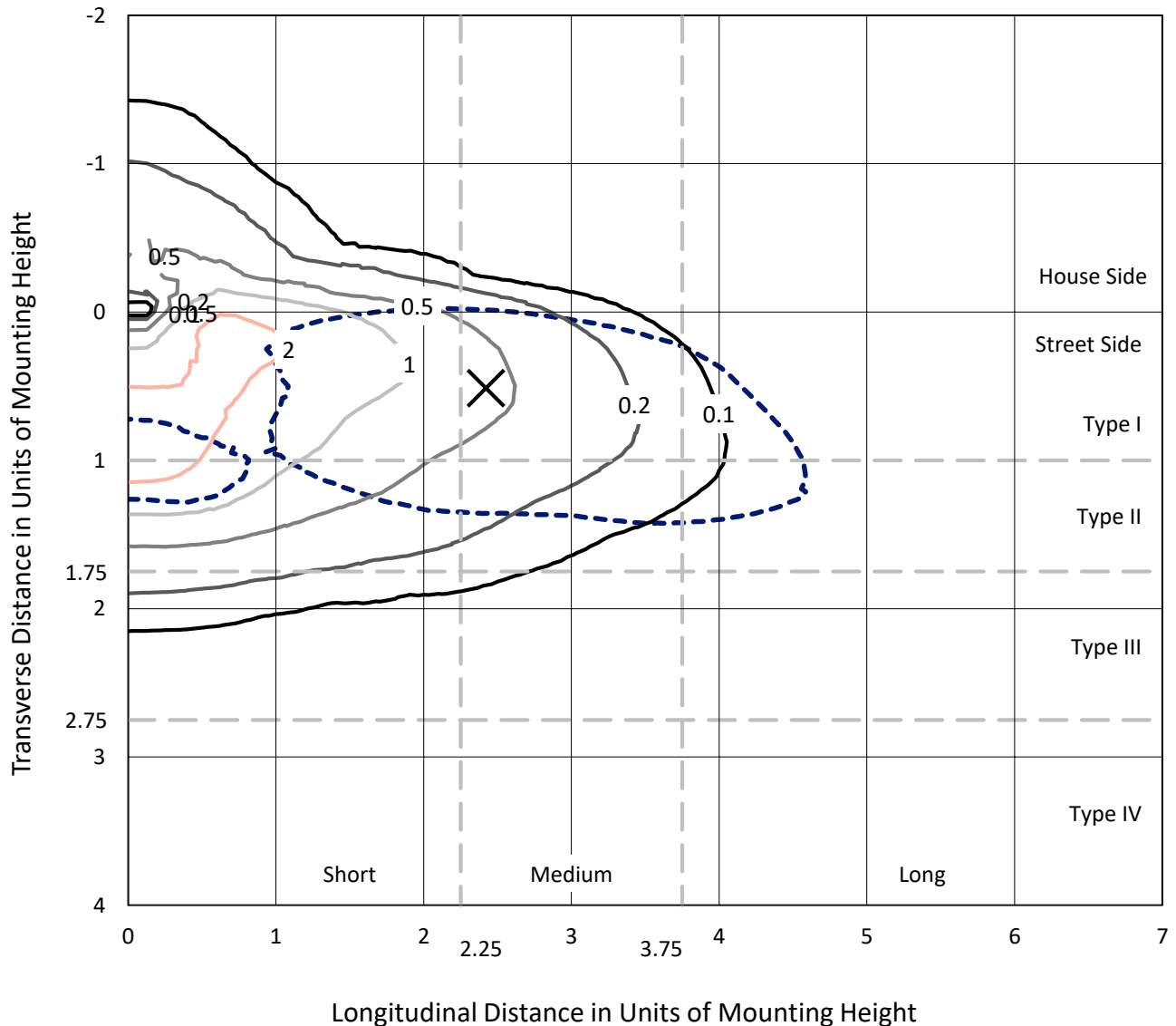
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

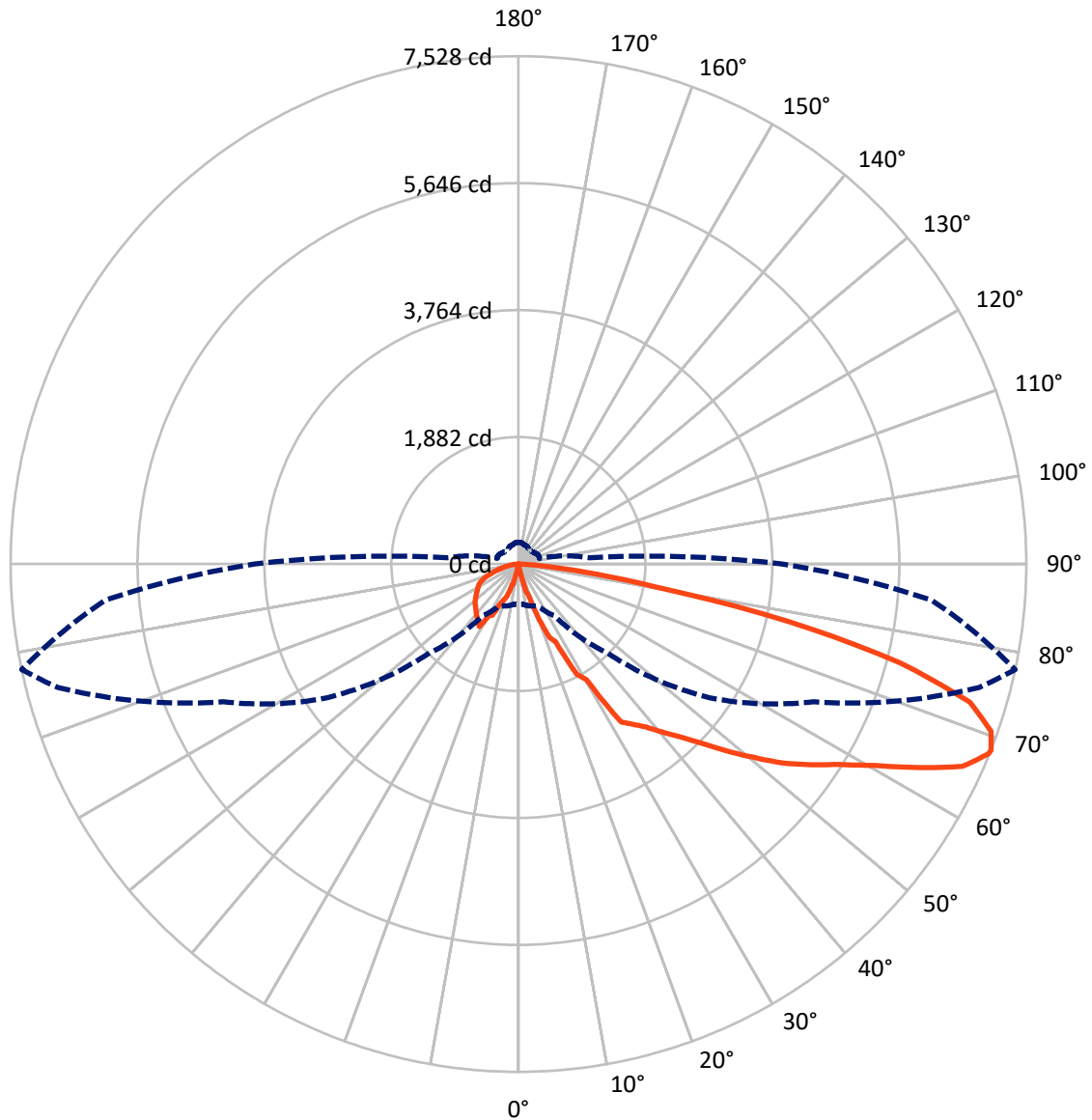
× Max cd  
 - - - 1/2 Max cd



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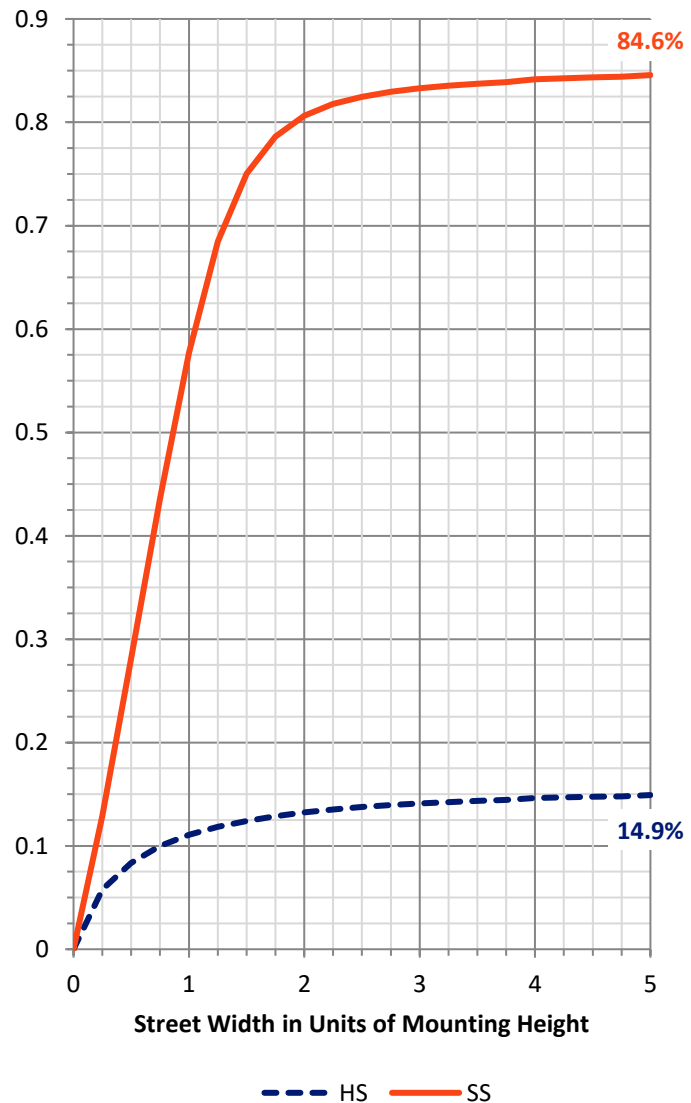
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1263.6	0.0	1263.6
	% Fixture	15.2	0.0	15.2
<b>Street Side</b>	Lumens	7059.4	0.0	7059.4
	% Fixture	84.8	0.0	84.8
<b>Total</b>	Lumens	8323.0	0.0	8323.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.3	0.1
10°-20°	120.6	1.4
20°-30°	459.3	5.5
30°-40°	1072.3	12.9
40°-50°	1674.1	20.1
50°-60°	1921.7	23.1
60°-70°	1785.7	21.5
70°-80°	1103.3	13.3
80°-90°	177.7	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°	8323.0	100.0
0°-180°	8323.0	100.0



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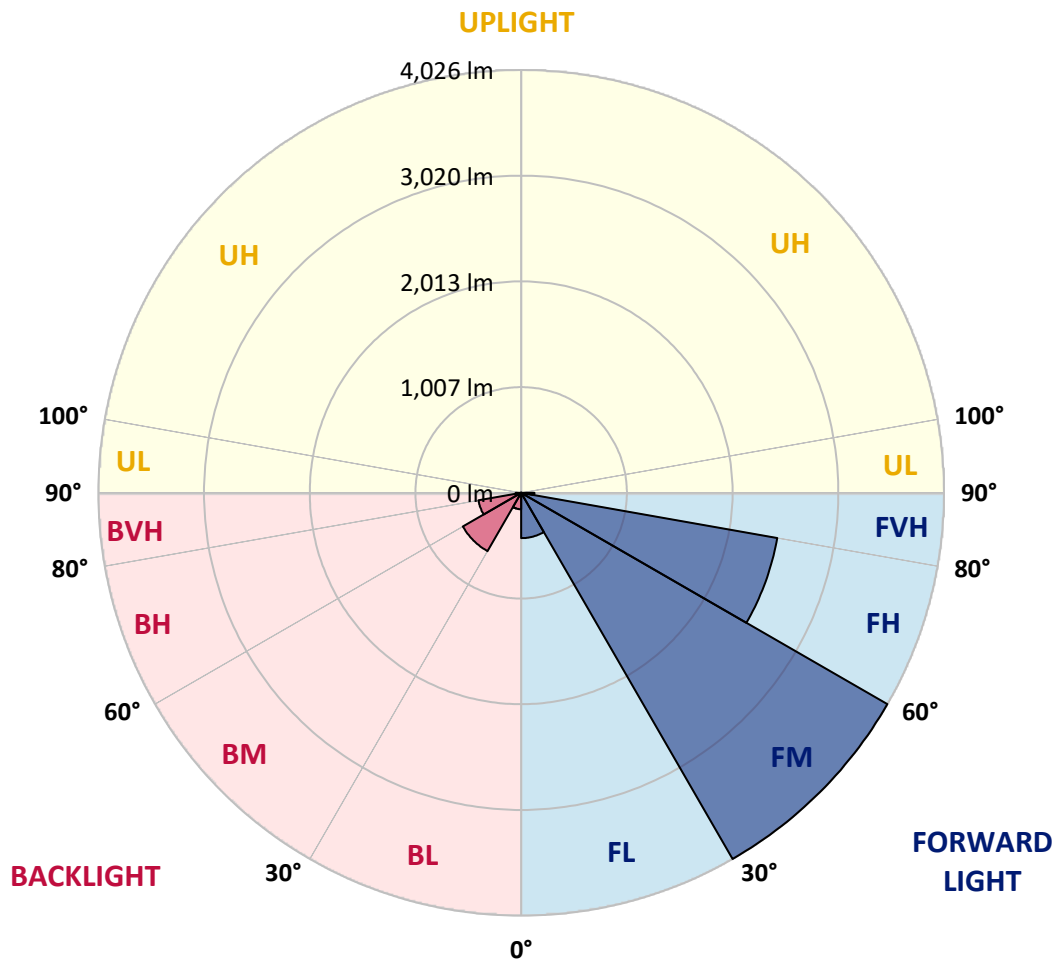
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.6	5.2			
FM (30°-60°)	4026.1	48.4			
FH (60°-80°)	2476.0	29.7			G2/5000
FVH (80°-90°)	125.7	1.5			G2/225
BL (0°-30°)	156.6	1.9	B1/500		
BM (30°-60°)	642.0	7.7	B1/1000		
BH (60°-80°)	413.0	5.0	B1/500		G1/500
BVH (80°-90°)	52.0	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	3.7	3.7	3.7
5°	294.9	271.2	151.6	78.5	27.4	16.4	8.2	6.4	4.6	4.6	3.7
7.5°	333.3	331.5	328.7	326.0	321.4	304.1	32.0	9.1	5.5	5.5	3.7
10°	359.8	357.0	355.2	353.4	347.0	337.9	322.3	28.3	10.0	9.1	8.2
12.5°	698.5	696.7	694.0	443.8	376.2	366.2	352.5	252.0	29.2	43.8	132.4
15°	696.7	694.0	702.2	716.8	728.7	400.9	404.5	707.7	438.3	421.0	448.3
17.5°	726.9	723.2	714.1	724.1	746.0	838.3	792.6	766.1	515.9	492.2	478.5
20°	1065.6	1065.6	1076.6	1067.4	774.3	1071.1	1014.5	822.7	932.3	876.6	815.4
22.5°	1127.7	1123.1	1125.0	1143.2	1344.1	1110.4	1119.5	1269.2	1295.7	1183.4	1014.5
25°	1603.5	1602.5	1539.5	1208.1	1417.2	1338.6	1546.8	1357.8	1405.3	1272.9	1244.6
27.5°	1804.3	1806.2	1755.0	1709.4	1497.5	1735.9	1641.8	1787.9	1996.1	1854.6	1594.3
30°	2428.0	2404.3	2002.5	1957.7	1832.7	1829.9	1987.9	2111.2	2052.7	1986.1	1780.6
32.5°	2885.5	2861.7	2773.2	2463.6	2178.7	2038.1	2283.7	2208.9	2678.2	2787.8	2414.3
35°	3593.2	3584.9	3114.7	2795.1	2558.6	2464.5	2399.7	2691.0	2899.2	2915.6	2571.4
37.5°	4136.5	4110.0	3834.2	3270.8	2880.0	2662.7	2817.0	2821.6	3141.2	3063.5	2817.0
40°	4384.8	4368.4	4156.6	3627.9	3175.9	2930.2	2992.3	3018.8	3406.0	3271.7	2996.0
42.5°	4573.9	4553.8	4419.5	3842.4	3436.1	3201.4	3173.1	3196.9	3662.6	3499.1	3187.7
45°	4671.6	4659.7	4596.7	3994.9	3617.8	3374.0	3366.7	3353.9	3837.0	3779.4	3395.9
47.5°	4616.8	4604.0	4632.3	4202.2	3731.0	3515.5	3546.6	3523.8	4036.9	4131.0	3622.4
50°	4312.7	4324.6	4437.8	4210.4	3803.2	3630.6	3736.5	3679.9	4309.1	4501.7	3897.2
52.5°	3432.5	3480.8	3960.2	4027.8	3810.5	3684.5	3907.3	3918.2	4646.9	4898.0	4258.8
55°	2561.3	2629.8	3054.4	3582.2	3664.4	3686.3	4016.9	4136.5	4983.9	5250.5	4562.9
57.5°	2016.2	2058.2	2328.5	2858.1	3311.9	3621.5	4129.2	4313.6	5297.1	5603.0	4861.5
60°	1611.7	1586.1	1762.3	2164.1	2760.4	3439.8	4178.5	4544.6	5687.0	6057.7	5213.1
62.5°	1165.2	1167.0	1301.2	1530.4	2185.1	3080.9	4140.1	4768.4	6183.7	6645.8	5681.5
65°	826.4	834.6	925.9	1049.2	1579.7	2587.8	3950.2	4920.9	6744.4	7233.8	6062.3
67.5°	629.1	634.6	677.5	735.1	1020.9	1968.7	3560.3	4889.8	7052.1	7512.3	6172.8
68°	603.6	594.4	642.8	684.8	939.6	1866.4	3453.5	4827.7	7066.7	7527.8	6146.3
70°	508.6	508.6	530.5	540.6	665.7	1379.7	2930.2	4452.4	7014.7	7432.0	5945.4
72.5°	424.6	421.9	434.6	426.4	470.3	903.1	2128.5	3839.7	6643.0	6994.6	5347.3
75°	353.4	353.4	355.2	348.8	360.7	605.4	1383.4	3007.8	5868.7	5840.4	4352.0
77.5°	301.3	294.0	292.2	283.1	293.1	440.1	848.3	2140.4	4236.9	4084.4	2763.1
80°	239.2	238.3	240.2	234.7	242.9	320.5	516.8	1251.0	2307.5	2030.8	1288.4
82.5°	147.9	162.5	179.0	179.0	204.5	226.5	313.2	669.3	1118.6	983.4	547.0
85°	48.4	59.4	105.0	108.7	131.5	105.9	179.9	215.5	373.5	333.3	105.0
87.5°	1.8	2.7	8.2	12.8	11.9	7.3	12.8	10.0	21.0	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°	3.7	3.7	3.7	4.6	4.6	2.7	1.8	3.7	3.7	3.7	3.7
5°	3.7	3.7	4.6	4.6	4.6	3.7	4.6	6.4	7.3	7.3	7.3
7.5°	3.7	3.7	3.7	5.5	5.5	6.4	9.1	54.8	126.0	137.9	136.1
10°	7.3	6.4	7.3	8.2	10.0	116.9	153.4	161.6	165.3	168.0	167.1
12.5°	175.3	157.1	29.2	16.4	110.5	164.4	167.1	173.5	179.9	182.6	182.6
15°	410.9	368.0	281.2	211.8	189.0	175.3	178.1	233.8	317.8	326.0	326.9
17.5°	436.5	382.6	294.0	324.2	334.2	260.2	285.8	321.4	325.1	326.0	326.0
20°	822.7	689.4	418.2	341.5	340.6	435.6	305.0	314.1	319.6	363.4	368.9
22.5°	890.3	738.7	502.2	484.9	367.1	435.6	399.0	388.1	424.6	421.0	423.7
25°	1119.5	886.6	528.7	486.7	514.1	421.9	468.4	386.3	392.6	390.8	390.8
27.5°	1423.6	1118.6	738.7	545.1	499.5	487.6	433.7	371.6	445.6	447.4	447.4
30°	1507.6	1150.5	738.7	589.0	519.6	479.4	400.9	439.2	414.6	407.3	403.6
32.5°	2089.2	1560.5	894.0	567.1	512.3	440.1	439.2	408.2	407.3	423.7	423.7
35°	2195.2	1584.3	816.3	648.3	483.0	453.8	417.3	412.7	394.5	388.1	387.2
37.5°	2300.2	1598.9	757.0	595.4	495.8	432.8	410.9	378.9	399.0	399.0	397.2
40°	2412.5	1614.4	703.1	547.0	455.7	432.8	380.8	378.0	350.6	352.5	350.6
42.5°	2533.0	1620.8	645.6	506.8	418.2	406.3	368.0	339.7	338.8	345.2	343.3
45°	2670.9	1629.0	592.6	455.7	380.8	357.9	328.7	330.6	347.9	362.5	362.5
47.5°	2817.9	1636.3	548.8	410.0	354.3	325.1	303.2	310.5	341.5	356.1	360.7
50°	3017.0	1645.5	498.6	372.6	336.0	300.4	296.8	303.2	336.9	347.9	343.3
52.5°	3228.8	1629.0	449.3	348.8	316.9	273.0	279.4	295.9	332.4	337.9	334.2
55°	3402.3	1587.9	410.9	333.3	303.2	261.2	270.3	290.4	325.1	327.8	328.7
57.5°	3604.1	1534.1	380.8	321.4	294.9	255.7	266.6	289.5	310.5	323.2	323.2
60°	3802.3	1471.1	362.5	315.0	288.5	255.7	266.6	288.5	307.7	321.4	320.5
62.5°	4034.2	1399.8	351.6	318.7	280.3	258.4	268.5	291.3	306.8	322.3	320.5
65°	4115.5	1263.8	343.3	324.2	279.4	262.1	269.4	294.9	305.9	324.2	322.3
67.5°	3954.8	1083.9	329.6	324.2	287.6	266.6	268.5	293.1	303.2	325.1	316.9
68°	3900.9	1057.4	325.1	323.2	288.5	267.5	268.5	292.2	301.3	324.2	315.0
70°	3601.4	889.4	302.2	314.1	292.2	271.2	263.9	285.8	292.2	322.3	311.4
72.5°	3116.5	693.1	263.9	292.2	288.5	276.7	255.7	273.0	276.7	301.3	283.1
75°	2491.9	526.9	218.2	253.8	271.2	276.7	243.8	255.7	254.8	266.6	250.2
77.5°	1566.9	376.2	176.2	215.5	246.5	269.4	232.8	232.8	221.9	223.7	216.4
80°	759.7	257.5	142.4	178.1	206.4	254.8	213.7	196.3	182.6	179.0	169.8
82.5°	373.5	166.2	98.6	134.2	163.5	210.9	191.8	161.6	137.9	136.1	121.4
85°	86.7	68.5	53.9	71.2	103.2	137.9	137.9	101.4	85.8	111.4	82.2
87.5°	8.2	10.0	11.0	10.0	12.8	11.9	29.2	29.2	26.5	17.3	11.9
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)