

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: P416386

Luminaire Tested: **LXF.LXT-PA1-70-750-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-750-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8414 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

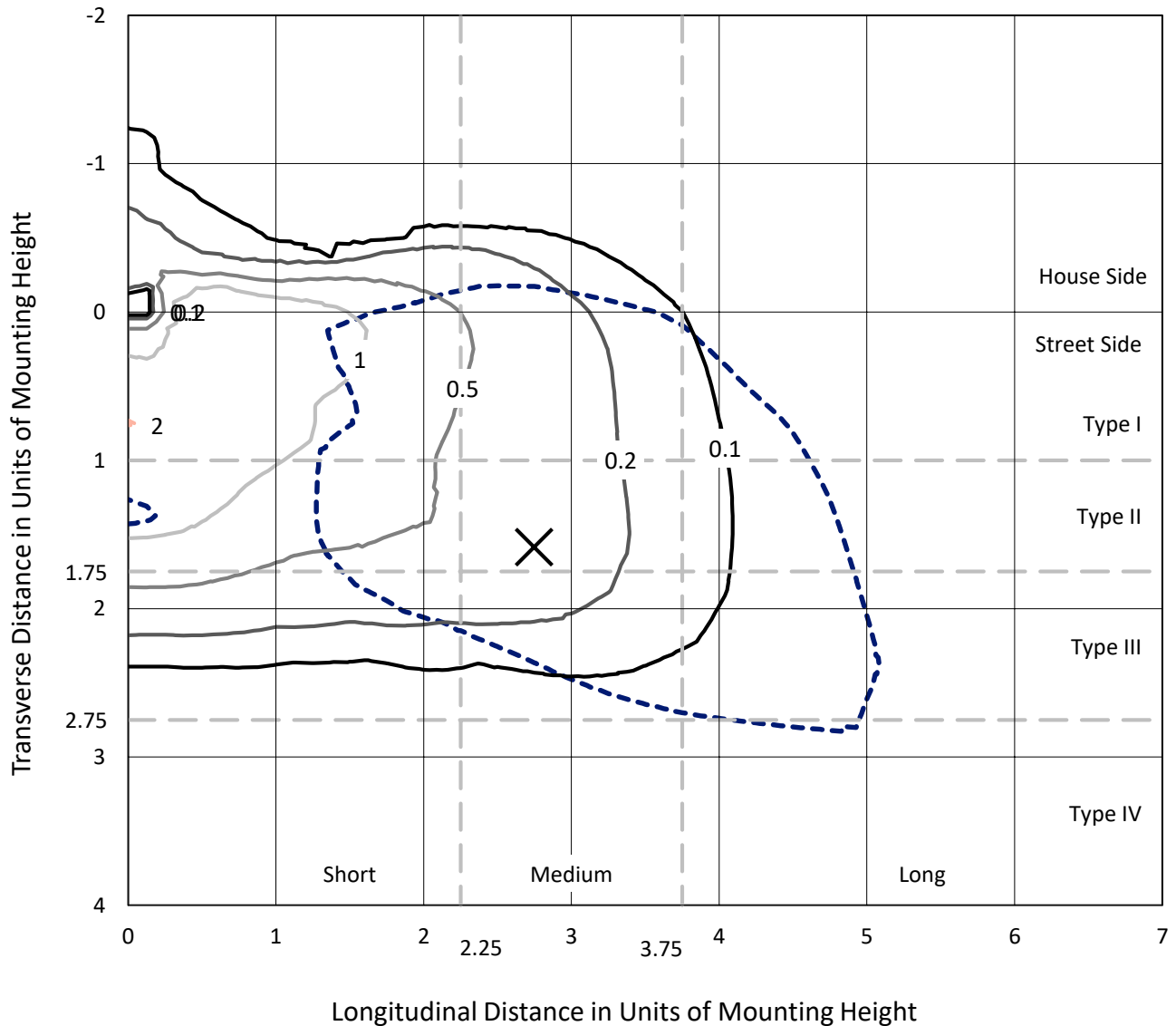
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

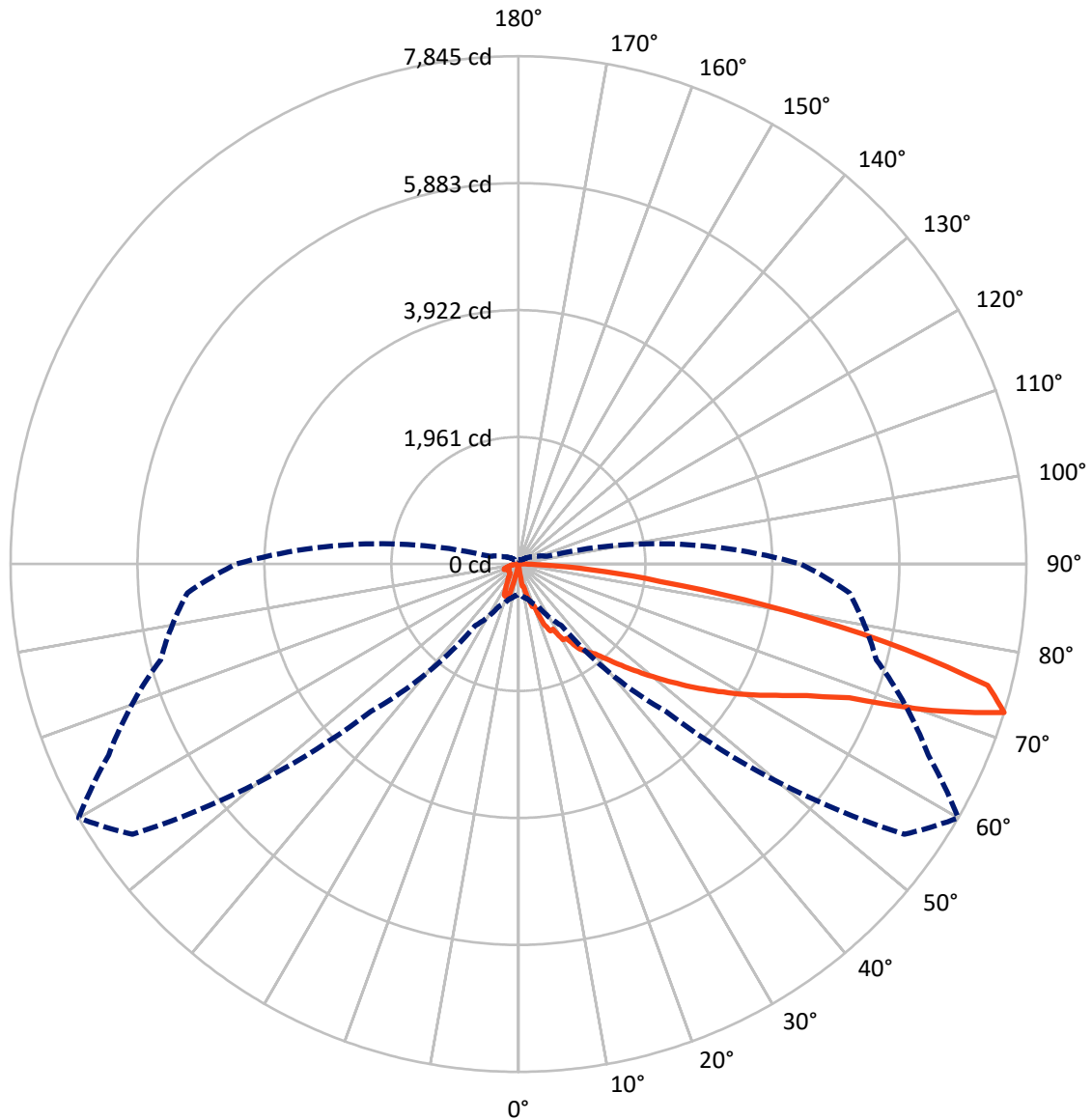
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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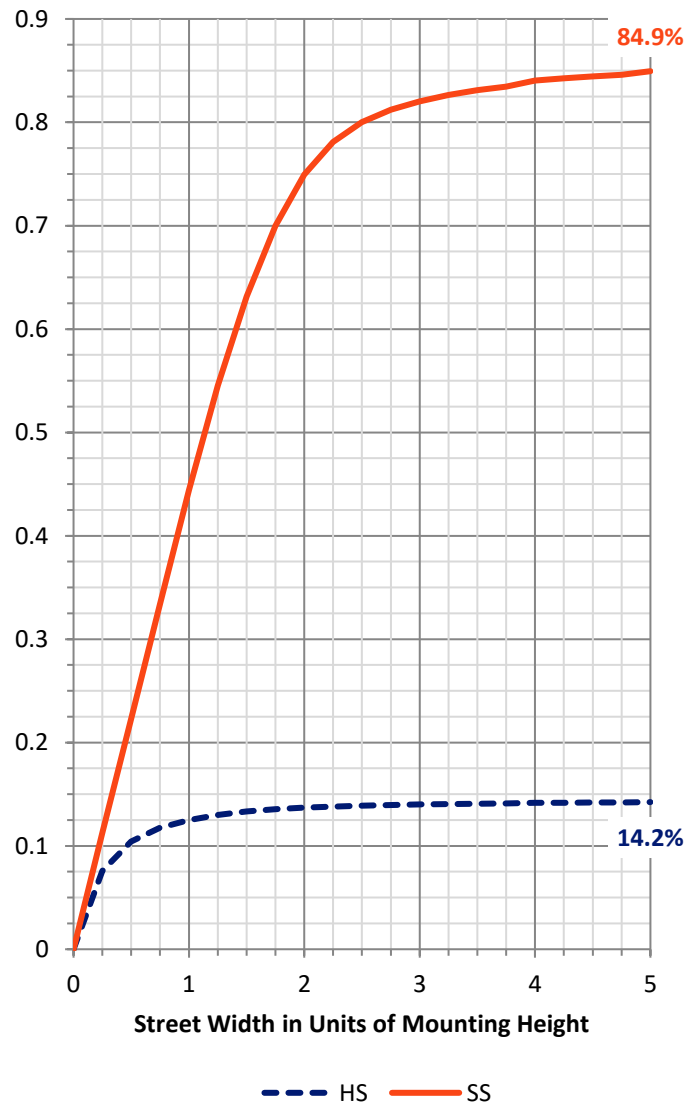
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1211.7	0.0	1211.7
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	7202.3	0.0	7202.3
	% Fixture	85.6	0.0	85.6
Total	Lumens	8414.0	0.0	8414.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.1
10°-20°	122.7	1.5
20°-30°	369.4	4.4
30°-40°	730.6	8.7
40°-50°	1210.2	14.4
50°-60°	1807.8	21.5
60°-70°	2150.6	25.6
70°-80°	1721.6	20.5
80°-90°	292.2	3.5
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°	8414.0	100.0
0°-180°	8414.0	100.0

Coefficient of Utilization



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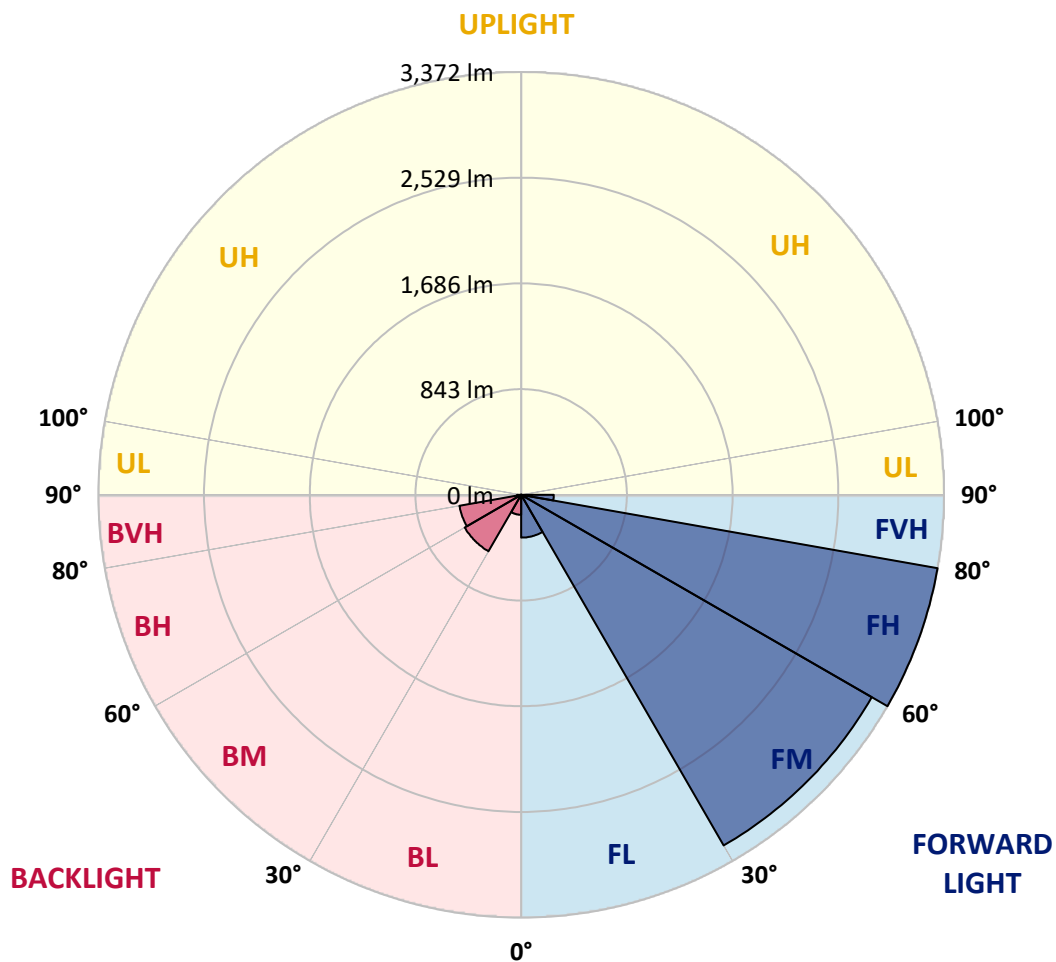
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	341.5	4.1			
FM	(30°-60°)	3228.7	38.4			
FH	(60°-80°)	3372.1	40.1			G2/5000
FVH	(80°-90°)	260.0	3.1			G3/500
BL	(0°-30°)	159.4	1.9	B1/500		
BM	(30°-60°)	519.9	6.2	B1/1000		
BH	(60°-80°)	500.2	5.9	B2/1000		G2/1000
BVH	(80°-90°)	32.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	4.6	4.6	5.5	6.4	6.4	5.5	4.6	4.6	4.6	3.7	4.6
5°	314.4	158.6	106.3	50.4	37.6	18.3	7.3	5.5	5.5	4.6	4.6
7.5°	361.2	361.2	362.1	365.7	368.5	370.3	45.8	23.8	9.2	4.6	4.6
10°	348.3	345.6	347.4	351.1	354.7	360.2	366.7	348.3	41.2	7.3	5.5
12.5°	643.5	641.6	619.6	377.7	350.2	350.2	359.3	360.2	283.2	27.5	26.6
15°	620.6	619.6	622.4	628.8	638.9	362.1	367.6	535.3	697.6	491.3	571.1
17.5°	638.0	630.6	614.1	610.5	619.6	582.1	684.7	693.0	708.6	564.6	578.4
20°	875.4	872.6	872.6	735.1	605.9	847.0	803.9	693.9	712.2	816.7	1023.0
22.5°	872.6	868.1	861.6	860.7	987.2	824.1	836.9	1003.7	1044.0	1197.1	1155.9
25°	1186.1	1174.2	994.5	867.1	980.8	923.1	1118.3	1147.6	1061.5	1242.0	1182.5
27.5°	1287.9	1265.0	1208.1	1107.3	988.1	1122.0	1116.5	1140.3	1170.5	1697.6	1625.2
30°	1748.9	1640.8	1336.5	1286.0	1181.5	1135.7	1272.3	1355.7	1478.5	1662.8	1693.0
32.5°	1957.0	1917.6	1769.1	1583.0	1380.5	1226.5	1391.5	1370.4	1489.5	2021.2	2170.6
35°	2406.2	2357.6	1950.6	1782.9	1605.0	1503.3	1430.9	1600.4	1747.1	2101.8	2211.8
37.5°	2494.2	2483.2	2388.7	2088.1	1849.8	1652.7	1674.7	1720.5	1815.9	2214.6	2328.2
40°	2562.9	2563.8	2591.3	2331.9	2075.3	1892.8	1826.9	1827.8	1909.3	2399.7	2477.7
42.5°	2744.4	2751.7	2826.0	2549.2	2348.4	2173.3	2058.8	2008.3	2070.7	2612.4	2661.0
45°	3071.6	3055.1	3118.4	2772.8	2553.7	2403.4	2311.8	2234.8	2267.8	2838.8	2894.7
47.5°	3483.2	3448.4	3427.3	3051.5	2777.4	2648.2	2562.9	2482.2	2492.3	3055.1	3162.4
50°	3801.3	3783.9	3674.8	3262.3	2969.9	2894.7	2859.0	2759.1	2716.0	3296.2	3468.5
52.5°	3936.9	3920.4	3785.7	3421.8	3122.1	3130.3	3192.6	3062.5	2941.5	3557.5	3760.0
55°	3913.1	3899.4	3810.4	3500.6	3232.1	3357.6	3520.8	3390.6	3233.9	3804.0	4057.0
57.5°	3737.1	3743.5	3742.6	3506.1	3316.4	3571.2	3841.6	3729.8	3543.7	4048.8	4298.1
60°	3348.5	3382.4	3508.9	3466.7	3423.6	3772.9	4153.3	4101.0	3903.9	4317.3	4520.8
62.5°	2682.1	2749.0	3025.8	3251.3	3509.8	4055.2	4457.6	4464.0	4277.0	4525.4	4693.2
65°	1809.4	1803.9	2216.4	2775.6	3408.0	4498.8	4912.2	4899.4	4622.6	4762.8	4947.1
67.5°	1005.5	1027.5	1298.0	1836.9	3016.6	4773.8	5784.9	5509.9	5099.2	5124.9	5303.6
70°	622.4	649.0	739.7	1026.6	1931.3	4453.0	6905.9	6777.6	5980.1	5605.2	5447.6
72.5°	473.0	487.6	561.0	727.8	1162.3	3221.1	7278.1	7844.6	6984.7	5723.5	5134.1
75°	282.3	299.7	399.7	628.8	968.9	1667.4	6310.1	7485.2	7303.7	5648.3	4480.5
77.5°	176.0	180.6	215.4	439.1	892.8	1049.5	4322.8	5797.7	5952.6	4783.9	3166.1
80°	134.7	135.7	148.5	233.7	721.4	993.6	2503.3	3871.9	3794.9	2554.7	1243.9
82.5°	85.2	90.7	115.5	143.0	342.8	968.9	1479.4	2204.5	1940.5	691.1	346.5
85°	43.1	48.6	81.6	98.1	165.9	1049.5	1049.5	1130.2	794.7	231.9	131.1
87.5°	7.3	7.3	11.0	25.7	33.0	177.8	293.3	255.7	168.7	31.2	25.7
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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	4.6	4.6	4.6	3.7	2.7	1.8	0.9	0.9	0.9	1.8	1.8
5°	4.6	4.6	4.6	3.7	2.7	1.8	0.9	0.9	1.8	2.7	2.7
7.5°	4.6	4.6	4.6	3.7	2.7	2.7	1.8	3.7	8.2	107.2	72.4
10°	5.5	5.5	5.5	4.6	3.7	10.1	313.5	330.9	331.8	330.0	326.3
12.5°	29.3	32.1	23.8	8.2	33.9	314.4	301.6	286.9	281.4	275.0	275.0
15°	579.3	572.0	539.9	397.8	243.8	280.5	252.1	232.8	361.2	356.6	360.2
17.5°	581.1	568.3	522.5	569.2	528.0	252.1	286.0	310.7	293.3	286.9	289.7
20°	1102.7	1043.1	529.8	530.7	452.8	447.3	242.9	229.2	231.9	237.4	239.2
22.5°	1122.9	1054.1	813.1	687.5	388.7	358.4	248.4	198.9	294.2	327.2	330.9
25°	1132.0	1045.9	768.1	608.6	439.1	268.6	240.2	218.2	268.6	301.6	303.4
27.5°	1600.4	1450.1	1049.5	517.0	339.2	235.6	224.6	205.3	241.1	298.8	299.7
30°	1586.7	1409.8	972.5	500.5	262.2	217.2	194.3	214.5	227.3	242.9	242.9
32.5°	2063.3	1809.4	1078.9	403.3	220.0	180.6	183.3	195.2	196.2	231.9	234.7
35°	2064.3	1770.0	929.5	368.5	188.8	165.0	167.7	180.6	199.8	222.7	226.4
37.5°	2096.3	1752.6	801.1	286.9	188.8	165.0	159.5	172.3	186.1	218.2	221.8
40°	2164.2	1759.9	679.2	238.3	182.4	162.2	157.7	167.7	184.2	202.6	204.4
42.5°	2279.7	1801.2	563.7	215.4	177.8	162.2	151.2	158.6	167.7	205.3	209.0
45°	2463.0	1889.2	474.8	206.2	176.0	155.8	143.9	145.7	152.2	242.9	253.0
47.5°	2677.5	2011.1	397.8	201.7	173.2	149.4	132.9	134.7	149.4	275.9	289.7
50°	2925.0	2191.7	352.0	200.7	170.5	140.2	124.7	134.7	165.0	275.0	281.4
52.5°	3215.6	2375.0	327.2	204.4	168.7	132.0	129.2	151.2	156.7	220.9	220.9
55°	3476.8	2578.5	329.1	207.2	163.2	132.0	132.9	128.3	123.7	152.2	153.1
57.5°	3733.4	2781.1	359.3	201.7	154.9	132.9	114.6	105.4	107.2	129.2	132.0
60°	3956.2	2976.3	450.1	189.7	147.6	120.1	106.3	99.0	100.8	130.2	132.9
62.5°	4196.3	3214.6	623.3	194.3	146.7	113.7	99.0	90.7	94.4	108.2	110.0
65°	4520.8	3547.4	779.1	229.2	152.2	110.0	90.7	86.2	87.1	88.0	88.0
67.5°	4838.9	3752.7	751.6	270.4	170.5	108.2	86.2	80.7	79.7	79.7	79.7
70°	4807.7	3530.0	595.8	286.9	185.2	108.2	82.5	75.2	73.3	73.3	73.3
72.5°	4357.7	3019.4	457.4	265.8	170.5	103.6	77.0	68.7	66.0	66.0	66.0
75°	3707.8	2421.7	384.1	231.0	139.3	88.9	67.8	61.4	59.6	59.6	58.7
77.5°	2368.6	1431.8	326.3	187.9	107.2	72.4	58.7	53.2	53.2	53.2	50.4
80°	950.5	629.7	253.9	148.5	83.4	57.7	48.6	45.8	44.9	44.0	41.2
82.5°	361.2	310.7	165.0	108.2	64.2	44.0	39.4	36.7	36.7	35.7	31.2
85°	129.2	121.0	76.1	62.3	39.4	27.5	30.2	27.5	26.6	23.8	20.2
87.5°	27.5	30.2	21.1	13.7	13.7	8.2	10.1	11.0	11.0	10.1	5.5
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)