

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: P416230

Luminaire Tested: **LXF.LXT-PA1-70-727-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416230
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-PA1-70-727-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 7037 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

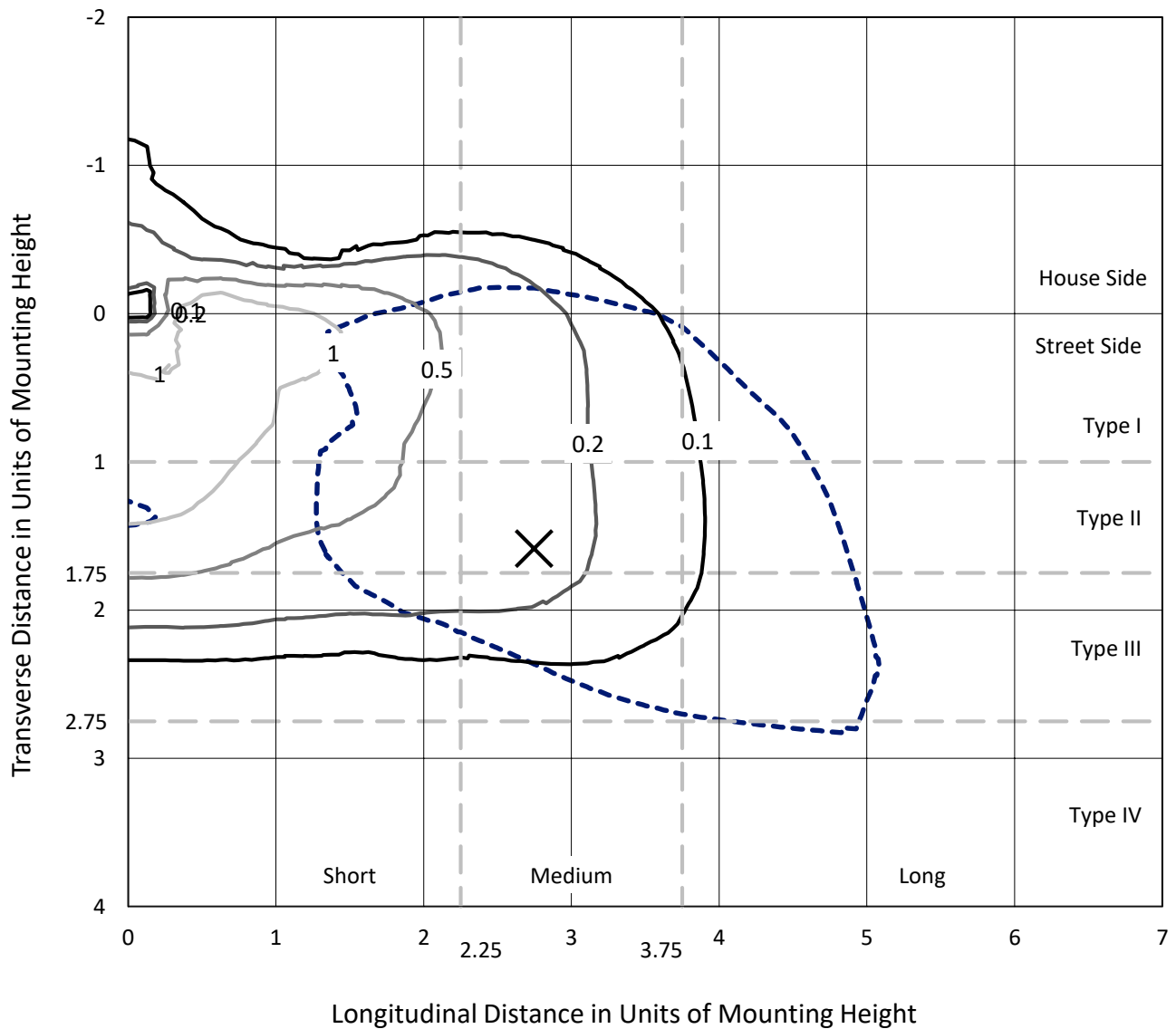
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

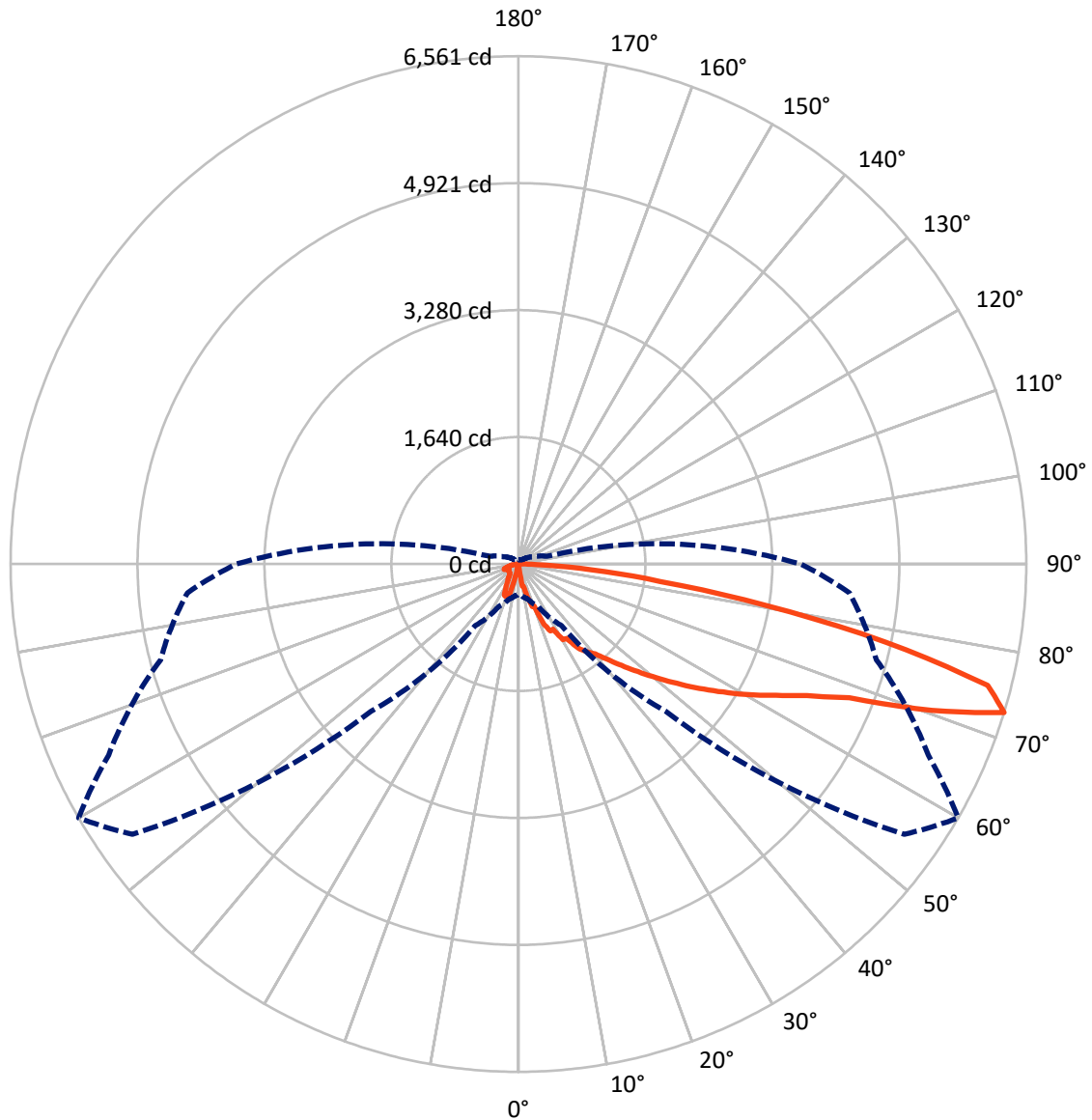
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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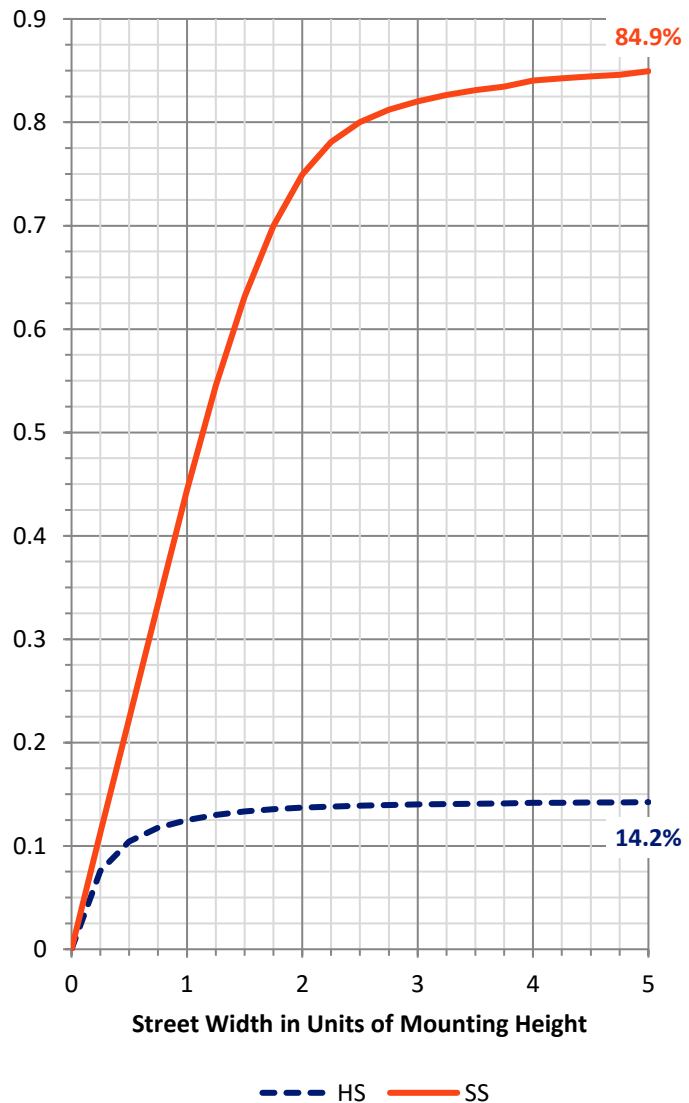
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1013.5	0.0	1013.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6023.6	0.0	6023.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	7037.0	0.0	7037.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.1
10°-20°	102.6	1.5
20°-30°	308.9	4.4
30°-40°	611.0	8.7
40°-50°	1012.1	14.4
50°-60°	1512.0	21.5
60°-70°	1798.7	25.6
70°-80°	1439.9	20.5
80°-90°	244.4	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°	7037.0	100.0
0°-180°	7037.0	100.0

Coefficient of Utilization



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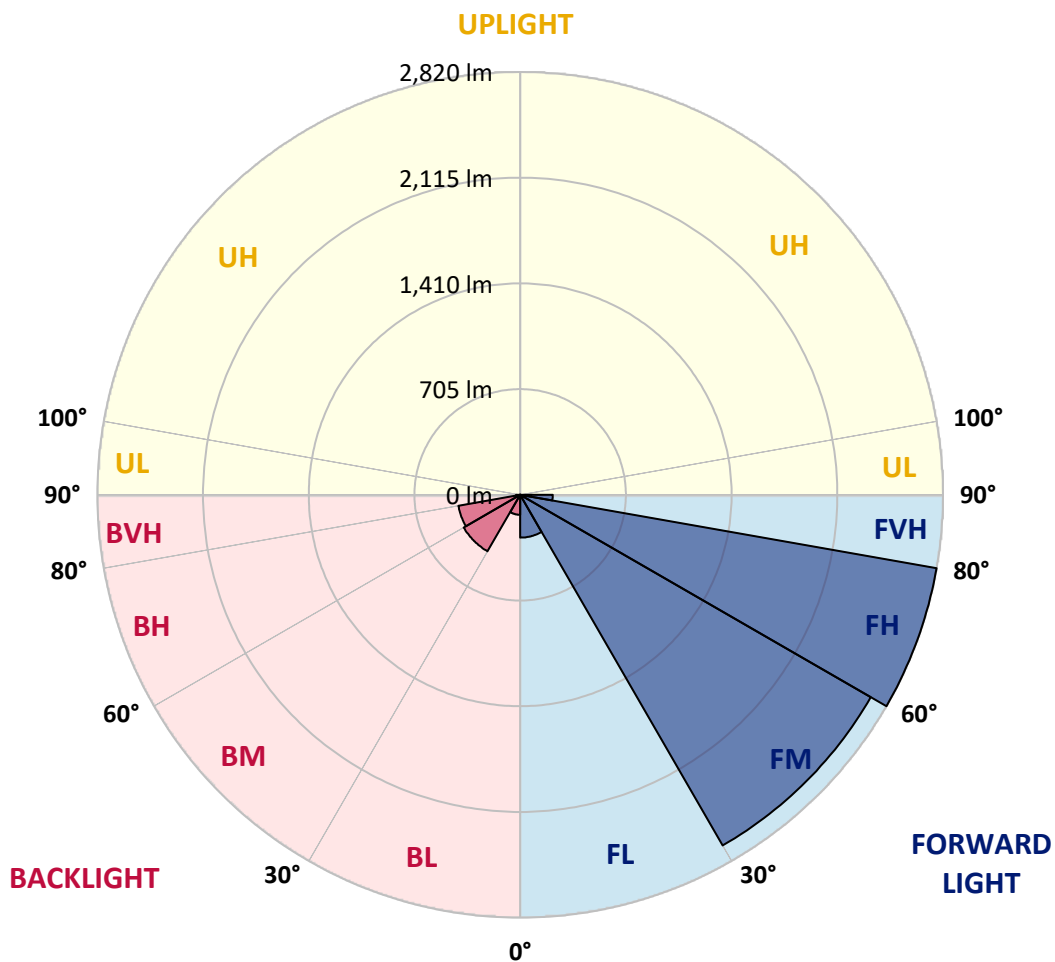
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	285.6	4.1			
FM	(30°-60°)	2700.3	38.4			
FH	(60°-80°)	2820.2	40.1			G2/5000
FVH	(80°-90°)	217.4	3.1			G2/225
BL	(0°-30°)	133.4	1.9	B1/500		
BM	(30°-60°)	434.8	6.2	B1/1000		
BH	(60°-80°)	418.3	5.9	B1/500		G1/500
BVH	(80°-90°)	26.9	0.4			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°	60°	65°	75°	85°
0°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	3.8	3.8	4.6	5.4	5.4	4.6	3.8	3.8	3.8	3.1	3.8
5°	263.0	132.6	88.9	42.2	31.4	15.3	6.1	4.6	4.6	3.8	3.8
7.5°	302.0	302.0	302.8	305.9	308.2	309.7	38.3	19.9	7.7	3.8	3.8
10°	291.3	289.0	290.5	293.6	296.7	301.3	306.6	291.3	34.5	6.1	4.6
12.5°	538.2	536.6	518.2	315.8	292.8	292.8	300.5	301.3	236.9	23.0	22.2
15°	519.0	518.2	520.5	525.9	534.3	302.8	307.4	447.7	583.4	410.9	477.6
17.5°	533.6	527.4	513.6	510.6	518.2	486.8	572.7	579.6	592.6	472.2	483.7
20°	732.1	729.8	729.8	614.8	506.7	708.4	672.3	580.3	595.7	683.1	855.5
22.5°	729.8	726.0	720.6	719.9	825.7	689.2	699.9	839.5	873.2	1001.2	966.7
25°	992.0	982.0	831.8	725.2	820.3	772.0	935.3	959.8	887.7	1038.8	988.9
27.5°	1077.1	1057.9	1010.4	926.1	826.4	938.3	933.7	953.7	979.0	1419.8	1359.2
30°	1462.7	1372.3	1117.7	1075.6	988.2	949.8	1064.1	1133.8	1236.6	1390.7	1415.9
32.5°	1636.7	1603.8	1479.6	1324.0	1154.5	1025.7	1163.7	1146.1	1245.8	1690.4	1815.4
35°	2012.4	1971.8	1631.4	1491.1	1342.4	1257.3	1196.7	1338.5	1461.2	1757.9	1849.9
37.5°	2086.0	2076.8	1997.8	1746.4	1547.0	1382.2	1400.6	1438.9	1518.7	1852.2	1947.2
40°	2143.5	2144.2	2167.2	1950.3	1735.6	1583.1	1527.9	1528.6	1596.9	2007.0	2072.2
42.5°	2295.3	2301.4	2363.5	2132.0	1964.1	1817.7	1721.8	1679.7	1731.8	2184.9	2225.5
45°	2568.9	2555.1	2608.0	2319.0	2135.8	2010.1	1933.4	1869.0	1896.6	2374.2	2421.0
47.5°	2913.2	2884.0	2866.4	2552.1	2322.9	2214.8	2143.5	2076.0	2084.4	2555.1	2644.8
50°	3179.2	3164.6	3073.4	2728.4	2483.9	2421.0	2391.1	2307.5	2271.5	2756.8	2900.9
52.5°	3292.6	3278.8	3166.1	2861.8	2611.1	2618.0	2670.1	2561.3	2460.1	2975.3	3144.7
55°	3272.7	3261.2	3186.8	2927.7	2703.1	2808.1	2944.6	2835.7	2704.6	3181.5	3393.1
57.5°	3125.5	3130.9	3130.1	2932.3	2773.6	2986.8	3212.9	3119.4	2963.8	3386.2	3594.7
60°	2800.5	2828.8	2934.6	2899.4	2863.3	3155.4	3473.6	3429.9	3265.0	3610.8	3781.0
62.5°	2243.1	2299.1	2530.6	2719.2	2935.4	3391.5	3728.1	3733.4	3577.1	3784.8	3925.1
65°	1513.3	1508.7	1853.7	2321.3	2850.3	3762.6	4108.3	4097.6	3866.1	3983.4	4137.5
67.5°	841.0	859.4	1085.5	1536.3	2523.0	3992.6	4838.1	4608.2	4264.7	4286.2	4435.7
70°	520.5	542.8	618.7	858.6	1615.3	3724.2	5775.7	5668.4	5001.4	4687.9	4556.0
72.5°	395.6	407.8	469.2	608.7	972.1	2693.9	6087.0	6560.7	5841.7	4786.8	4293.8
75°	236.1	250.7	334.2	525.9	810.3	1394.5	5277.4	6260.2	6108.4	4723.9	3747.2
77.5°	147.2	151.0	180.2	367.2	746.7	877.8	3615.4	4848.9	4978.4	4001.0	2647.9
80°	112.7	113.5	124.2	195.5	603.3	831.0	2093.6	3238.2	3173.8	2136.6	1040.3
82.5°	71.3	75.9	96.6	119.6	286.7	810.3	1237.3	1843.7	1622.9	578.0	289.8
85°	36.0	40.6	68.2	82.0	138.8	877.8	877.8	945.2	664.7	194.0	109.6
87.5°	6.1	6.1	9.2	21.5	27.6	148.7	245.3	213.9	141.1	26.1	21.5
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°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2.5°	3.8	3.8	3.8	3.1	2.3	1.5	0.8	0.8	0.8	1.5	1.5
5°	3.8	3.8	3.8	3.1	2.3	1.5	0.8	0.8	1.5	2.3	2.3
7.5°	3.8	3.8	3.8	3.1	2.3	2.3	1.5	3.1	6.9	89.7	60.6
10°	4.6	4.6	4.6	3.8	3.1	8.4	262.2	276.8	277.5	276.0	272.9
12.5°	24.5	26.8	19.9	6.9	28.4	263.0	252.2	240.0	235.4	230.0	230.0
15°	484.5	478.4	451.5	332.7	203.9	234.6	210.8	194.7	302.0	298.2	301.3
17.5°	486.0	475.3	437.0	476.1	441.6	210.8	239.2	259.9	245.3	240.0	242.3
20°	922.2	872.4	443.1	443.9	378.7	374.1	203.2	191.7	194.0	198.6	200.1
22.5°	939.1	881.6	680.0	575.0	325.0	299.7	207.8	166.4	246.1	273.7	276.8
25°	946.8	874.7	642.4	509.0	367.2	224.6	200.9	182.5	224.6	252.2	253.8
27.5°	1338.5	1212.8	877.8	432.4	283.6	197.0	187.8	171.7	201.6	249.9	250.7
30°	1327.0	1179.1	813.4	418.6	219.3	181.7	162.5	179.4	190.1	203.2	203.2
32.5°	1725.7	1513.3	902.3	337.3	184.0	151.0	153.3	163.3	164.1	194.0	196.3
35°	1726.4	1480.3	777.4	308.2	157.9	138.0	140.3	151.0	167.1	186.3	189.4
37.5°	1753.3	1465.8	670.0	240.0	157.9	138.0	133.4	144.1	155.6	182.5	185.5
40°	1810.0	1471.9	568.1	199.3	152.6	135.7	131.9	140.3	154.1	169.4	171.0
42.5°	1906.6	1506.4	471.5	180.2	148.7	135.7	126.5	132.6	140.3	171.7	174.8
45°	2059.9	1580.0	397.1	172.5	147.2	130.3	120.4	121.9	127.3	203.2	211.6
47.5°	2239.3	1682.0	332.7	168.7	144.9	125.0	111.2	112.7	125.0	230.8	242.3
50°	2446.3	1833.0	294.4	167.9	142.6	117.3	104.3	112.7	138.0	230.0	235.4
52.5°	2689.3	1986.3	273.7	171.0	141.1	110.4	108.1	126.5	131.1	184.8	184.8
55°	2907.8	2156.5	275.2	173.3	136.5	110.4	111.2	107.3	103.5	127.3	128.0
57.5°	3122.4	2325.9	300.5	168.7	129.6	111.2	95.8	88.2	89.7	108.1	110.4
60°	3308.7	2489.2	376.4	158.7	123.4	100.4	88.9	82.8	84.3	108.9	111.2
62.5°	3509.6	2688.5	521.3	162.5	122.7	95.1	82.8	75.9	79.0	90.5	92.0
65°	3781.0	2966.8	651.6	191.7	127.3	92.0	75.9	72.1	72.8	73.6	73.6
67.5°	4047.0	3138.5	628.6	226.2	142.6	90.5	72.1	67.5	66.7	66.7	66.7
70°	4020.9	2952.3	498.3	240.0	154.9	90.5	69.0	62.9	61.3	61.3	61.3
72.5°	3644.5	2525.3	382.5	222.3	142.6	86.6	64.4	57.5	55.2	55.2	55.2
75°	3101.0	2025.4	321.2	193.2	116.5	74.4	56.7	51.4	49.8	49.8	49.1
77.5°	1980.9	1197.5	272.9	157.2	89.7	60.6	49.1	44.5	44.5	44.5	42.2
80°	795.0	526.7	212.4	124.2	69.8	48.3	40.6	38.3	37.6	36.8	34.5
82.5°	302.0	259.9	138.0	90.5	53.7	36.8	33.0	30.7	30.7	29.9	26.1
85°	108.1	101.2	63.6	52.1	33.0	23.0	25.3	23.0	22.2	19.9	16.9
87.5°	23.0	25.3	17.6	11.5	11.5	6.9	8.4	9.2	9.2	8.4	4.6
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)