

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: P416903

Luminaire Tested: **LXF.LXT-PA1-80-827-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-827-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5663 lumens
Efficiency: N/A
Efficacy: 68.2 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

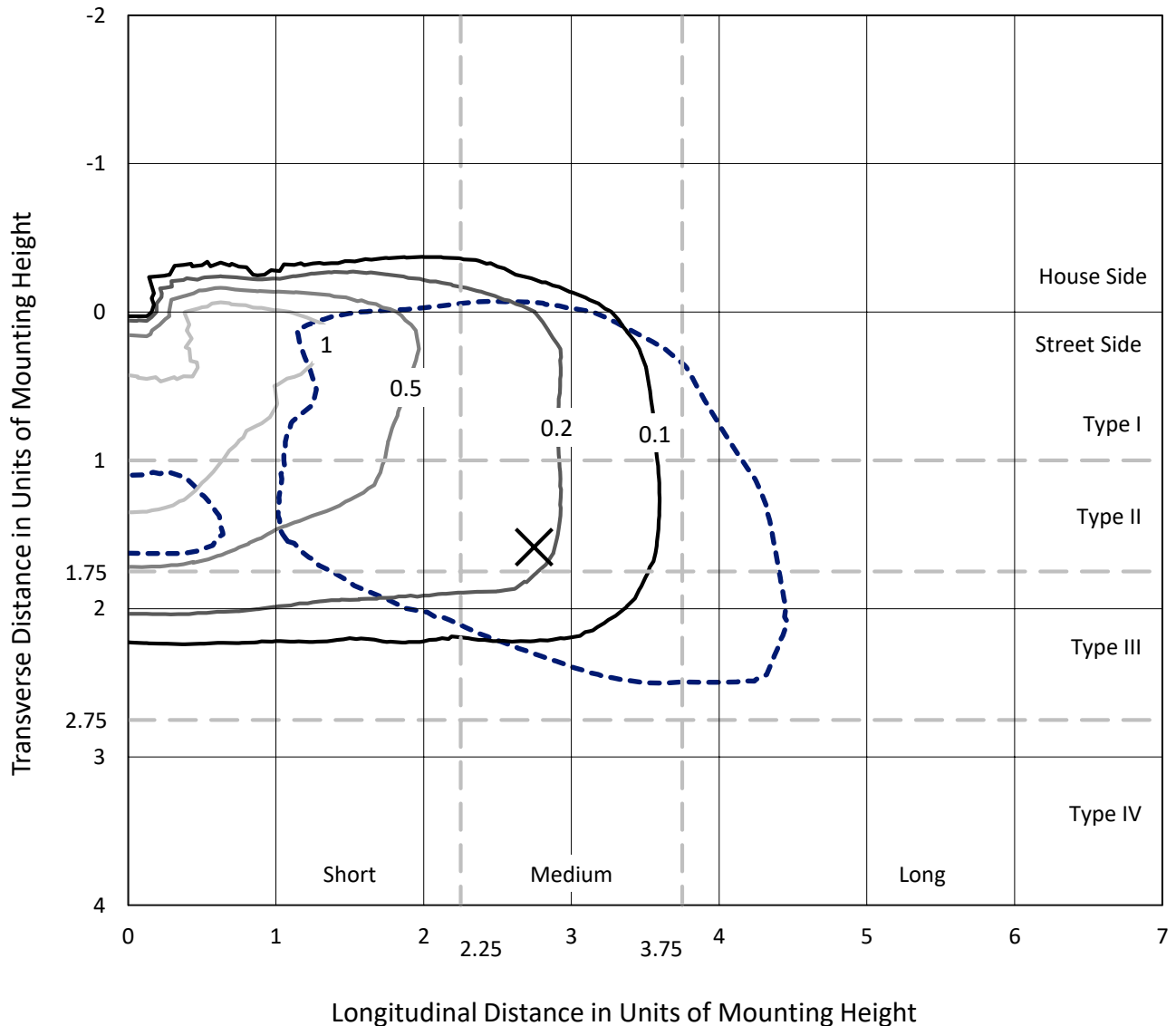
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

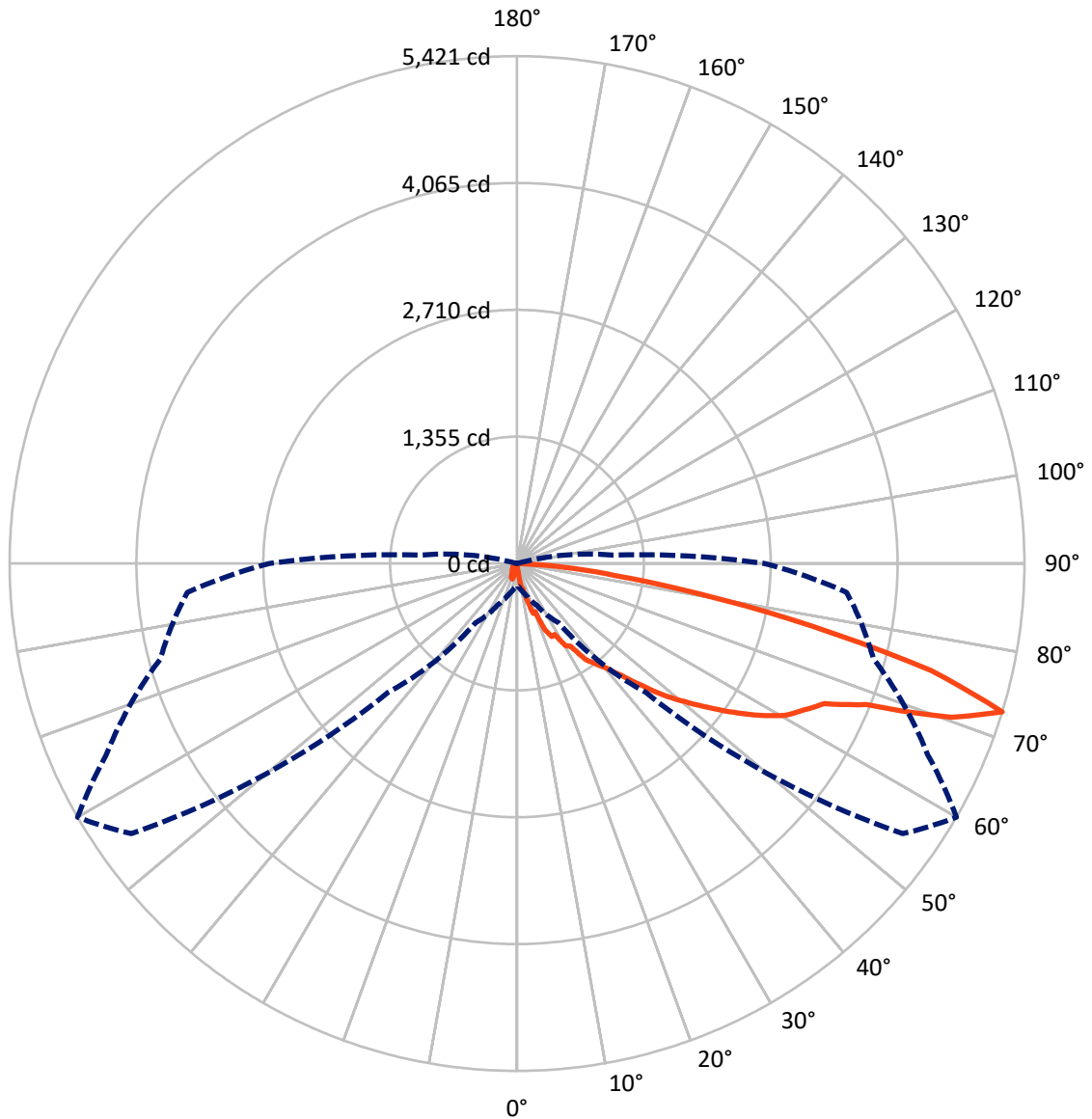
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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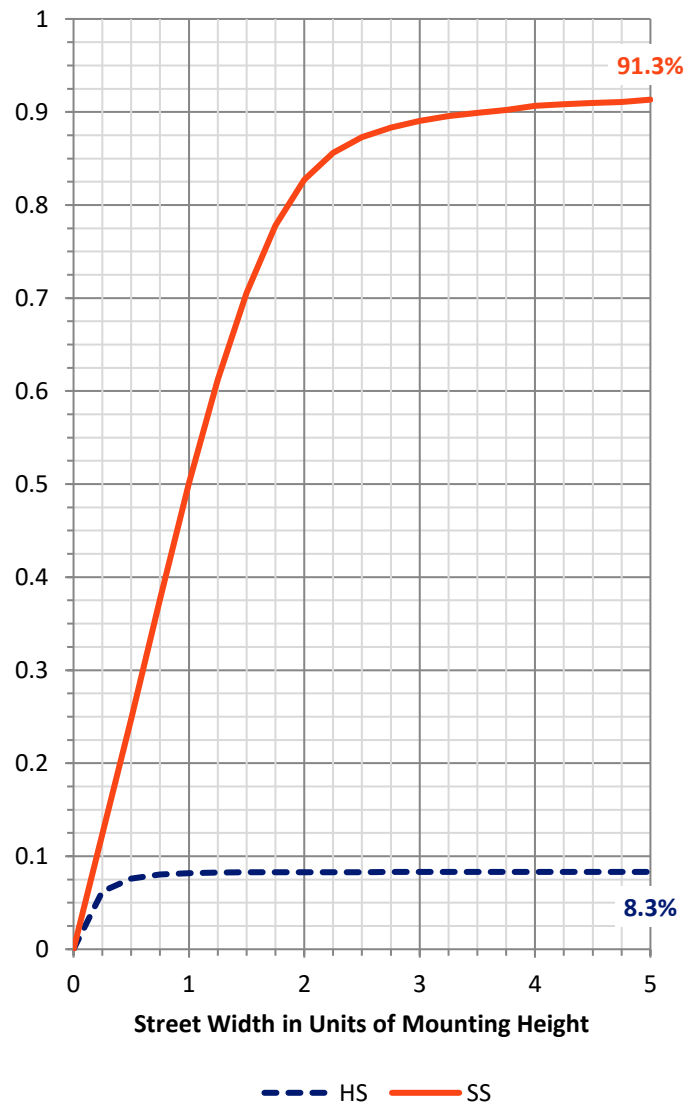
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.0	0.0	475.0
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5188.0	0.0	5188.0
	% Fixture	91.6	0.0	91.6
Total	Lumens	5663.0	0.0	5663.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.1
10°-20°	78.9	1.4
20°-30°	246.6	4.4
30°-40°	531.8	9.4
40°-50°	904.1	16.0
50°-60°	1336.7	23.6
60°-70°	1454.0	25.7
70°-80°	990.9	17.5
80°-90°	112.4	2.0
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°	5663.0	100.0
0°-180°	5663.0	100.0

Coefficient of Utilization



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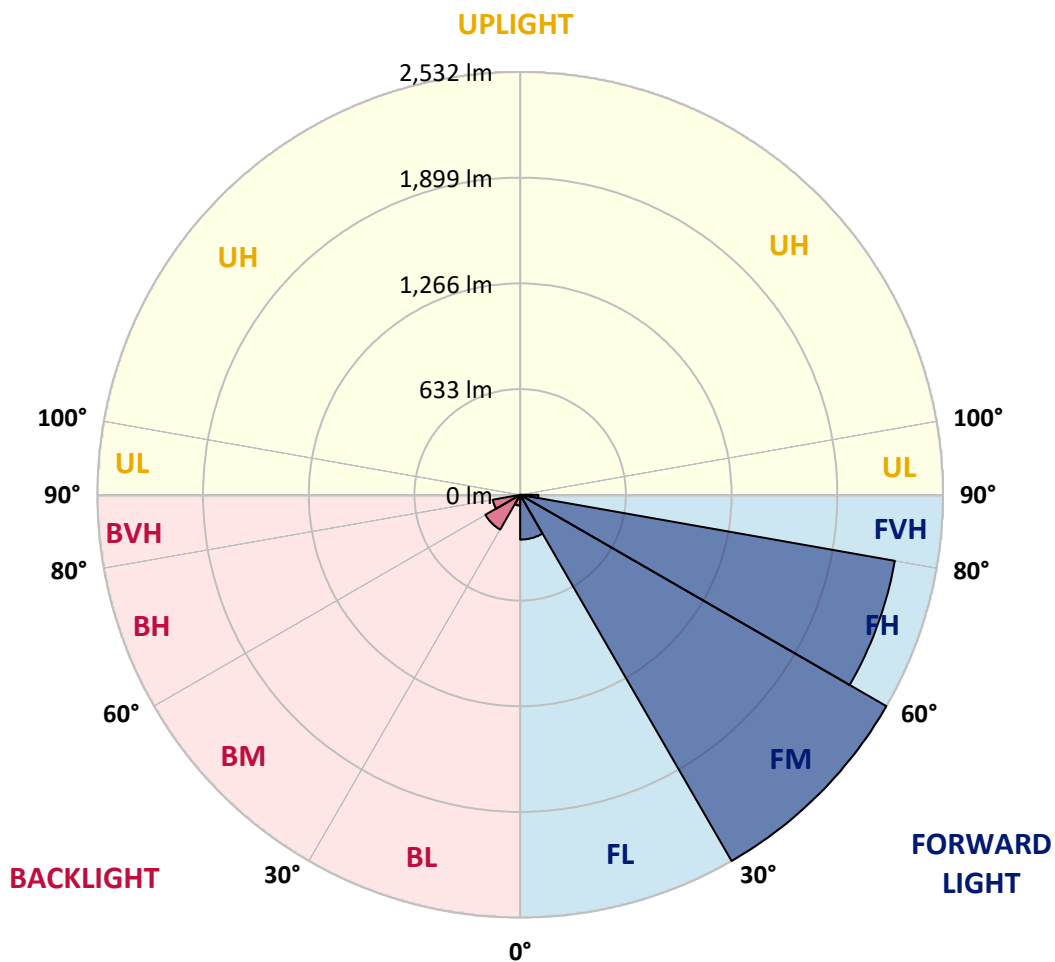
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.2	4.7			
FM	(30°-60°)	2532.4	44.7			
FH	(60°-80°)	2278.4	40.2			G2/5000
FVH	(80°-90°)	109.0	1.9			G2/225
BL	(0°-30°)	64.9	1.1	B0/110		
BM	(30°-60°)	240.2	4.2	B1/1000		
BH	(60°-80°)	166.4	2.9	B1/500		G1/500
BVH	(80°-90°)	3.4	0.1			G0/10
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	5.1	3.7	3.7	2.9	2.2	2.2	2.2	2.9	2.9	2.2	2.9
5°	289.7	286.0	286.0	287.5	186.7	31.6	17.6	7.4	2.9	2.9	2.9
7.5°	275.0	272.0	273.5	277.2	279.4	283.1	283.1	86.8	27.9	2.9	2.9
10°	281.6	279.4	267.6	265.4	269.8	273.5	275.0	281.6	273.5	8.1	2.9
12.5°	495.5	491.8	491.8	498.5	289.7	264.7	267.6	274.2	236.7	30.9	16.9
15°	474.2	471.3	472.0	480.1	491.1	348.5	275.0	407.3	522.7	472.0	375.0
17.5°	661.7	569.8	492.6	469.1	471.3	486.7	533.0	560.2	531.5	537.4	408.8
20°	675.6	670.5	667.6	672.7	482.3	641.8	677.9	549.9	535.2	575.7	754.3
22.5°	699.2	687.4	663.9	660.9	742.6	632.3	656.5	769.0	789.6	843.3	785.2
25°	946.9	938.1	913.9	695.5	761.7	726.4	827.8	865.3	852.8	888.1	851.4
27.5°	1040.3	1023.4	971.2	902.8	808.7	856.5	837.4	858.0	941.8	1223.4	1200.6
30°	1457.9	1413.1	1269.0	1039.6	961.6	891.8	974.1	1017.5	1088.1	1252.0	1230.7
32.5°	1584.4	1536.6	1432.2	1323.4	1139.6	1010.9	1071.9	1052.8	1103.5	1527.7	1616.0
35°	1952.7	1930.6	1742.4	1440.3	1393.2	1192.5	1125.6	1257.2	1332.2	1549.1	1698.3
37.5°	1957.1	1958.6	1947.5	1743.2	1527.7	1340.3	1352.8	1357.9	1416.0	1650.5	1793.9
40°	2019.6	2029.9	2057.1	1902.7	1721.1	1554.2	1521.1	1469.7	1521.1	1764.5	1924.7
42.5°	2150.5	2157.8	2218.1	2057.1	1874.0	1721.1	1738.0	1632.9	1670.4	1979.9	2102.7
45°	2380.6	2376.2	2451.9	2219.6	2016.6	1911.5	1930.6	1849.8	1827.0	2156.3	2311.5
47.5°	2640.8	2657.0	2654.1	2399.0	2158.5	2088.7	2143.8	2100.5	2010.8	2381.3	2554.8
50°	2887.1	2882.0	2805.5	2500.4	2285.0	2262.2	2389.4	2318.1	2236.5	2610.0	2789.3
52.5°	2976.8	2981.2	2890.1	2561.4	2393.1	2434.2	2624.7	2552.6	2446.7	2773.2	3022.4
55°	2960.6	2966.5	2915.1	2623.9	2473.9	2595.3	2868.7	2807.0	2687.9	2950.4	3197.4
57.5°	2809.2	2809.2	2851.1	2662.9	2552.6	2739.3	3086.4	3061.4	2914.3	3097.4	3301.8
60°	2422.5	2463.6	2595.3	2615.8	2645.2	2895.2	3301.8	3293.7	3115.0	3234.9	3363.5
62.5°	1863.0	1876.2	2167.4	2387.9	2652.6	3104.7	3483.4	3444.4	3263.5	3276.8	3406.9
65°	1056.5	1116.8	1385.8	1943.1	2501.9	3323.8	3775.2	3608.4	3393.7	3326.8	3566.4
67.5°	569.0	591.1	741.1	1176.3	2050.5	3348.1	4436.9	4024.5	3702.5	3590.0	3878.9
70°	367.6	391.1	472.0	646.2	1285.9	2960.6	5059.6	4920.7	4339.9	3950.2	3926.7
72.5°	238.9	252.9	340.4	486.7	773.4	1950.5	5031.0	5420.6	4843.5	3943.6	3534.8
75°	97.0	106.6	170.6	405.1	653.6	955.8	3859.8	4570.7	4547.2	3504.7	2735.7
77.5°	48.5	51.5	75.7	219.1	580.1	661.7	2442.3	3223.8	3237.1	2554.8	1521.1
80°	31.6	30.9	43.4	102.9	395.5	602.1	1366.0	1980.6	1852.0	969.0	426.4
82.5°	12.5	13.2	23.5	58.8	165.4	544.8	779.3	1066.0	833.7	188.9	122.8
85°	2.2	2.2	7.4	31.6	52.2	249.2	502.9	516.1	342.6	59.6	61.8
87.5°	0.7	0.7	1.5	2.2	3.7	5.9	22.1	10.3	6.6	10.3	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	2.9	2.9	2.9	2.2	2.2	1.5	0.0	0.0	0.7	0.7	0.7
5°	2.9	2.9	2.9	2.2	2.2	0.7	0.0	0.0	0.7	0.7	0.7
7.5°	2.9	2.9	2.9	2.2	1.5	0.7	0.0	0.0	0.7	0.7	0.7
10°	2.9	2.9	2.9	2.2	1.5	0.7	21.3	136.0	140.4	141.2	139.7
12.5°	18.4	19.1	10.3	2.2	1.5	126.5	125.7	105.1	91.9	86.8	80.1
15°	399.2	379.4	313.9	185.3	102.2	103.7	76.5	56.6	45.6	42.6	41.2
17.5°	395.5	366.9	288.9	169.1	177.9	77.9	41.2	45.6	59.6	60.3	60.3
20°	743.3	652.1	282.3	188.9	119.8	67.6	53.7	56.6	56.6	57.3	56.6
22.5°	774.9	683.7	422.7	241.1	86.0	71.3	61.0	52.9	54.4	70.6	68.4
25°	781.5	670.5	391.9	188.9	83.1	71.3	66.9	64.7	72.8	72.8	73.5
27.5°	1126.3	942.5	474.9	141.9	82.3	74.3	74.3	67.6	65.4	64.7	65.4
30°	1124.1	910.2	405.1	119.8	79.4	73.5	66.9	60.3	72.8	73.5	73.5
32.5°	1475.5	1163.8	391.9	97.0	79.4	67.6	58.8	62.5	58.1	58.1	58.1
35°	1496.1	1134.4	308.8	100.7	70.6	61.8	57.3	48.5	51.5	52.2	50.7
37.5°	1535.8	1113.8	234.5	91.2	70.6	57.3	47.1	43.4	40.4	39.7	39.7
40°	1607.1	1115.3	180.9	83.8	66.2	52.2	41.9	35.3	36.8	36.8	36.0
42.5°	1713.7	1136.6	141.9	77.2	59.6	46.3	35.3	31.6	29.4	29.4	28.7
45°	1854.9	1182.2	116.2	72.0	54.4	39.7	28.7	25.7	23.5	23.5	22.8
47.5°	2029.9	1246.2	101.5	66.9	48.5	33.1	23.5	20.6	19.1	18.4	18.4
50°	2216.6	1322.6	93.4	62.5	41.9	26.5	19.1	16.2	14.7	14.7	14.0
52.5°	2410.0	1410.1	86.8	59.6	36.0	22.1	14.7	11.8	11.0	10.3	11.0
55°	2566.6	1463.0	82.3	58.8	30.1	17.6	11.0	8.8	8.1	7.4	7.4
57.5°	2669.5	1491.7	76.5	54.4	24.3	13.2	8.1	5.9	5.1	5.1	5.1
60°	2750.4	1507.9	69.1	43.4	19.1	9.6	5.1	3.7	3.7	3.7	3.7
62.5°	2814.3	1518.9	58.1	33.8	14.7	6.6	3.7	2.2	2.2	2.2	2.2
65°	3004.0	1583.6	44.8	25.7	11.0	4.4	2.2	1.5	0.7	1.5	1.5
67.5°	3234.9	1610.8	33.1	18.4	8.1	2.9	1.5	0.7	0.7	0.7	1.5
70°	3143.7	1403.5	24.3	13.2	5.9	2.2	1.5	0.7	0.7	0.7	1.5
72.5°	2641.6	1025.6	17.6	9.6	4.4	2.2	1.5	0.7	0.7	1.5	1.5
75°	1899.8	578.6	14.0	6.6	3.7	2.2	1.5	1.5	1.5	2.2	2.2
77.5°	894.0	215.4	14.0	5.9	3.7	2.2	1.5	1.5	2.2	2.9	1.5
80°	216.9	53.7	14.0	5.1	3.7	2.2	2.2	2.2	2.9	2.9	1.5
82.5°	72.8	22.8	10.3	4.4	3.7	2.2	2.2	2.9	2.9	3.7	2.2
85°	44.1	14.7	7.4	5.1	4.4	2.2	2.9	2.9	3.7	4.4	2.2
87.5°	7.4	5.9	5.1	5.1	4.4	2.9	2.9	3.7	3.7	4.4	2.9
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)