

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: P416539

Luminaire Tested: **LXF.LXT-PA1-70-830-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416539
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-PA1-70-830-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA 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: 5600 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 74
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

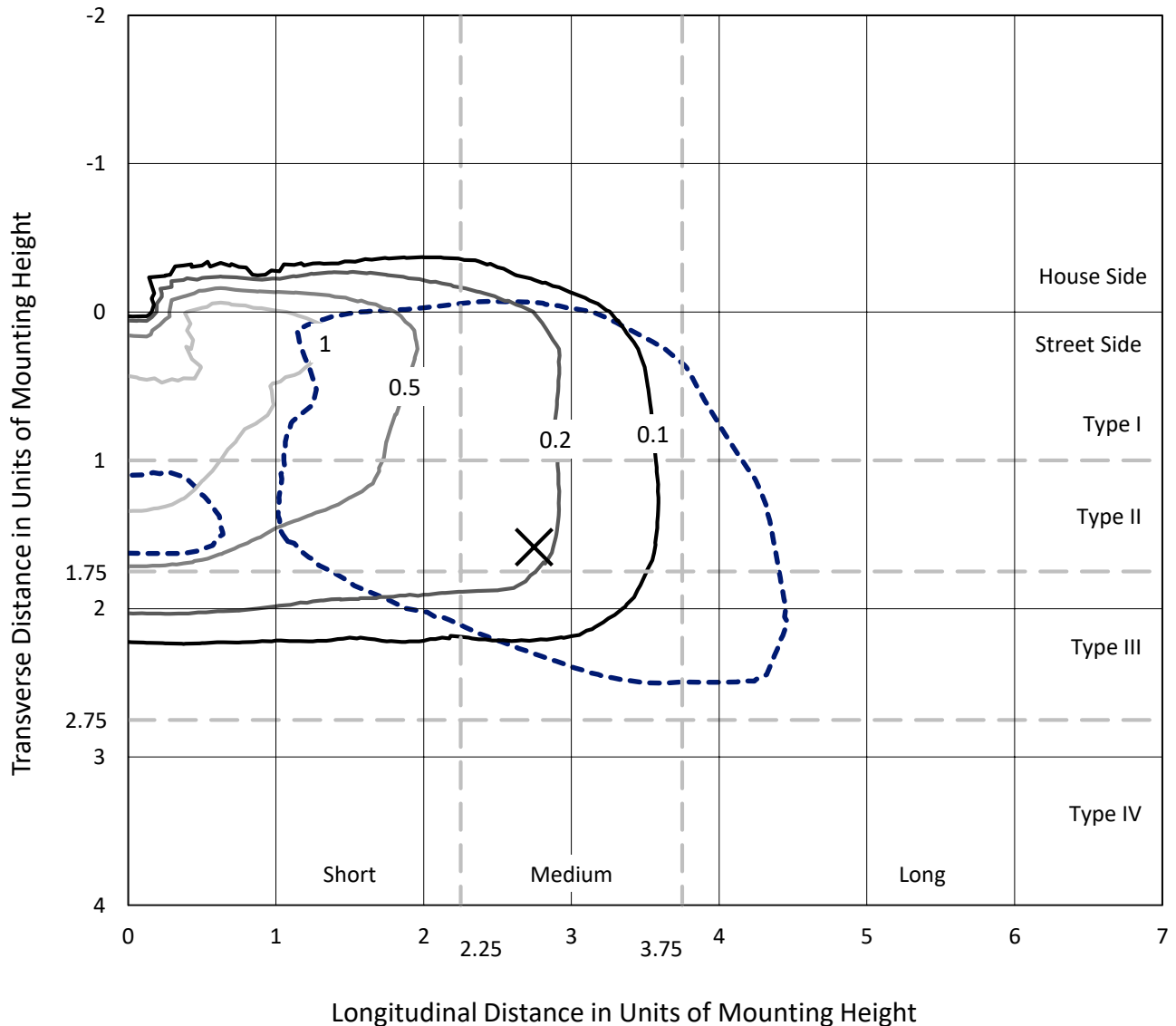


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

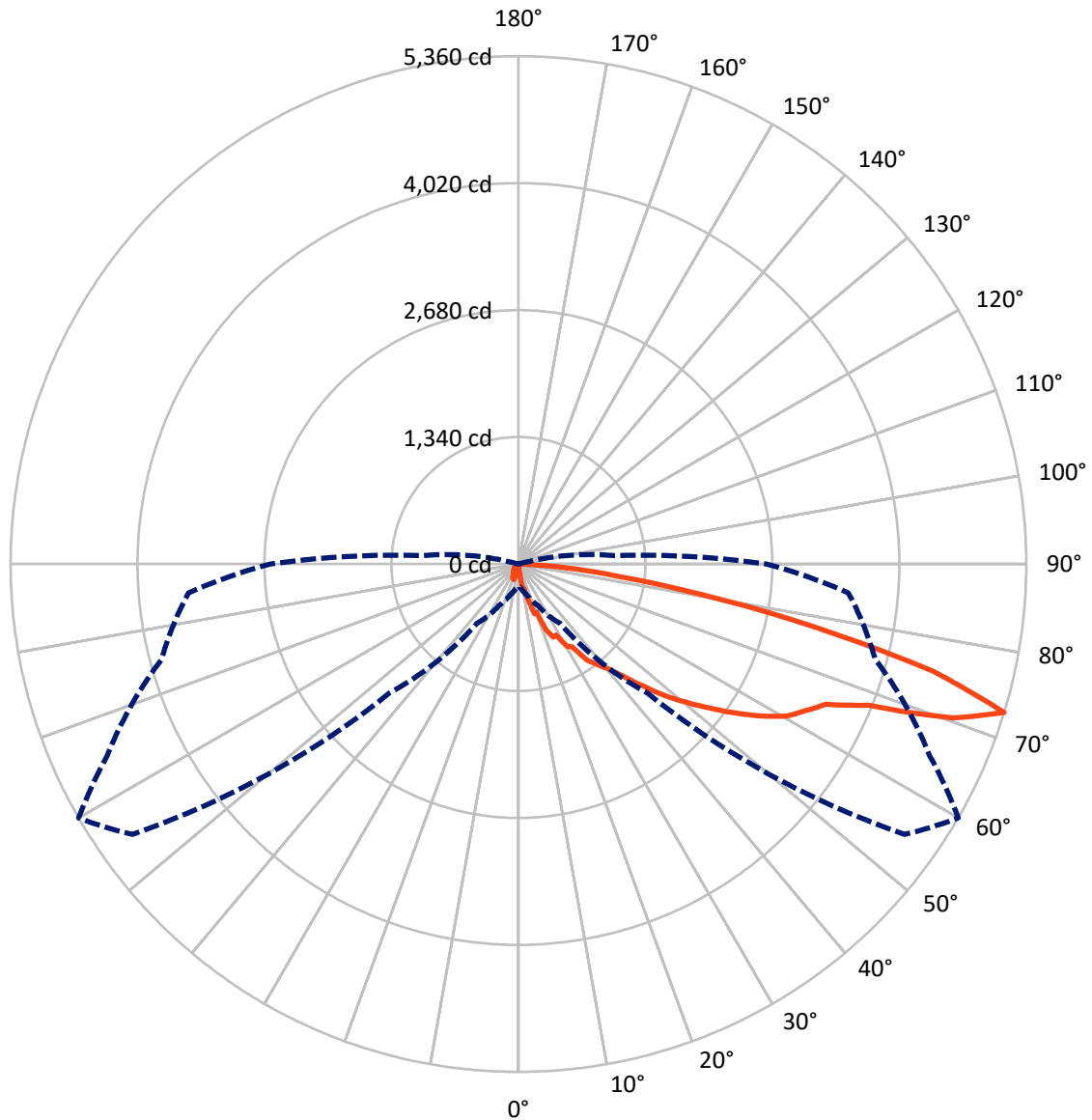


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - Non-Cutoff

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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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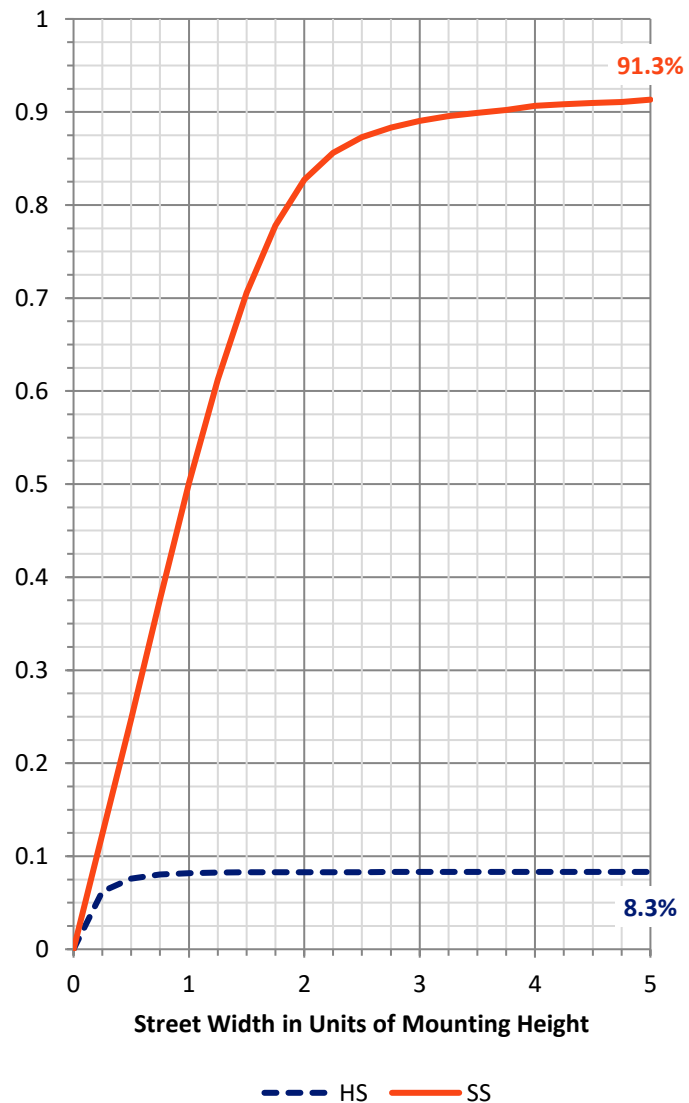
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	469.7	0.0	469.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5130.3	0.0	5130.3
	% Fixture	91.6	0.0	91.6
Total	Lumens	5600.0	0.0	5600.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.1
10°-20°	78.0	1.4
20°-30°	243.9	4.4
30°-40°	525.9	9.4
40°-50°	894.1	16.0
50°-60°	1321.8	23.6
60°-70°	1437.8	25.7
70°-80°	979.9	17.5
80°-90°	111.1	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°	5600.0	100.0
0°-180°	5600.0	100.0

Coefficient of Utilization



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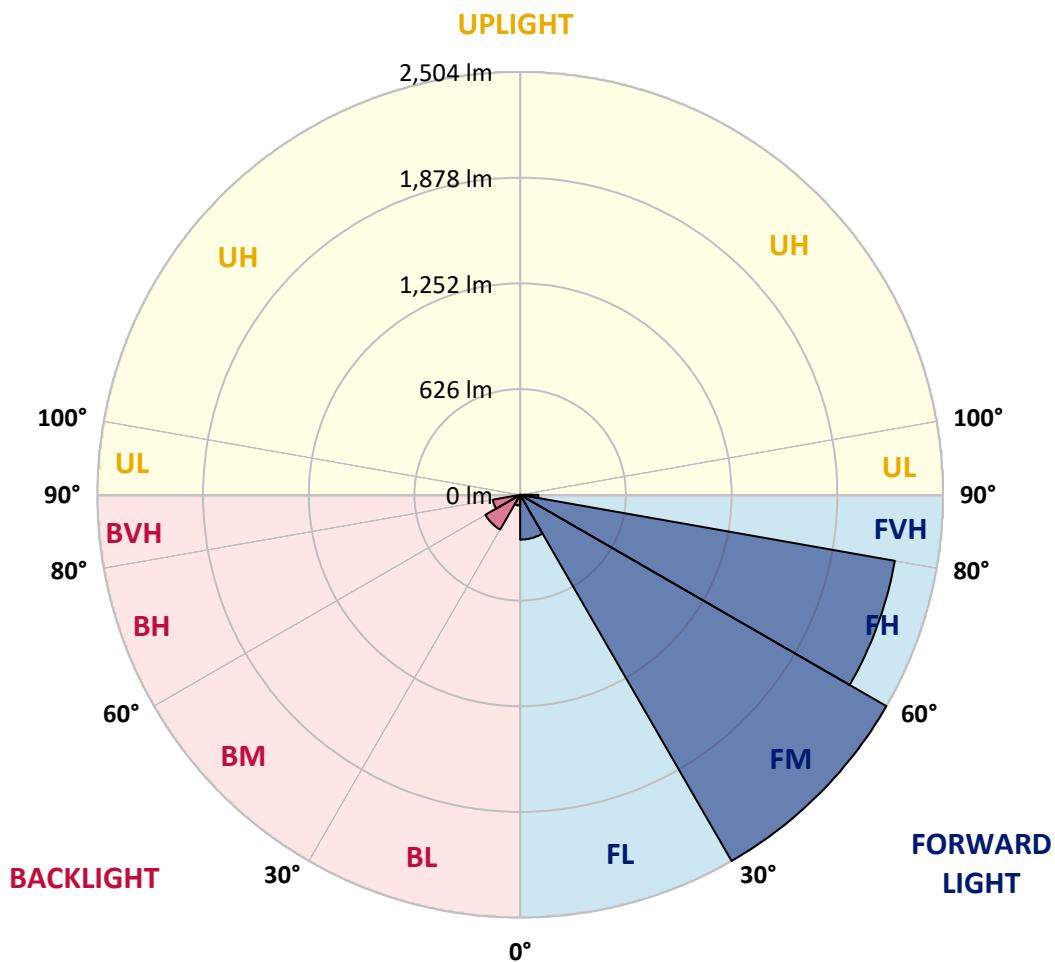
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	265.2	4.7			
FM	(30°-60°)	2504.2	44.7			
FH	(60°-80°)	2253.1	40.2			G2/5000
FVH	(80°-90°)	107.8	1.9			G2/225
BL	(0°-30°)	64.2	1.1	B0/110		
BM	(30°-60°)	237.5	4.2	B1/1000		
BH	(60°-80°)	164.6	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	3.6	3.6	2.9	2.2	2.2	2.2	2.9	2.9	2.2	2.9
5°	286.4	282.8	282.8	284.3	184.7	31.3	17.4	7.3	2.9	2.9	2.9
7.5°	271.9	269.0	270.5	274.1	276.3	279.9	279.9	85.8	27.6	2.9	2.9
10°	278.4	276.3	264.6	262.5	266.8	270.5	271.9	278.4	270.5	8.0	2.9
12.5°	490.0	486.4	486.4	492.9	286.4	261.7	264.6	271.2	234.1	30.5	16.7
15°	468.9	466.0	466.7	474.7	485.6	344.6	271.9	402.8	516.9	466.7	370.8
17.5°	654.3	563.4	487.1	463.8	466.0	481.3	527.1	554.0	525.6	531.5	404.2
20°	668.1	663.0	660.1	665.2	476.9	634.7	670.3	543.8	529.3	569.3	745.9
22.5°	691.4	679.8	656.5	653.6	734.3	625.2	649.2	760.5	780.8	833.9	776.5
25°	936.4	927.7	903.7	687.8	753.2	718.3	818.6	855.7	843.3	878.2	841.9
27.5°	1028.7	1012.0	960.4	892.8	799.7	847.0	828.1	848.4	931.3	1209.8	1187.2
30°	1441.7	1397.3	1254.8	1028.0	950.9	881.9	963.3	1006.2	1076.0	1238.1	1217.0
32.5°	1566.7	1519.5	1416.2	1308.6	1126.9	999.7	1060.0	1041.1	1091.3	1510.7	1598.0
35°	1931.0	1909.2	1723.0	1424.2	1377.7	1179.2	1113.1	1243.2	1317.4	1531.8	1679.4
37.5°	1935.3	1936.8	1925.9	1723.8	1510.7	1325.4	1337.7	1342.8	1400.2	1632.2	1773.9
40°	1997.1	2007.3	2034.2	1881.5	1702.0	1536.9	1504.2	1453.3	1504.2	1744.8	1903.3
42.5°	2126.5	2133.8	2193.4	2034.2	1853.2	1702.0	1718.7	1614.7	1651.8	1957.9	2079.3
45°	2354.1	2349.7	2424.6	2194.9	1994.2	1890.3	1909.2	1829.2	1806.6	2132.3	2285.7
47.5°	2611.5	2627.4	2624.5	2372.3	2134.5	2065.5	2120.0	2077.1	1988.4	2354.8	2526.4
50°	2855.0	2849.9	2774.3	2472.6	2259.6	2237.0	2362.8	2292.3	2211.6	2580.9	2758.3
52.5°	2943.7	2948.1	2857.9	2532.9	2366.4	2407.2	2595.5	2524.2	2419.5	2742.3	2988.8
55°	2927.7	2933.5	2882.6	2594.7	2446.4	2566.4	2836.8	2775.8	2658.0	2917.5	3161.8
57.5°	2777.9	2777.9	2819.4	2633.3	2524.2	2708.9	3052.0	3027.3	2881.9	3062.9	3265.0
60°	2395.5	2436.2	2566.4	2586.7	2615.8	2863.0	3265.0	3257.0	3080.4	3198.9	3326.1
62.5°	1842.3	1855.4	2143.3	2361.4	2623.1	3070.2	3444.6	3406.1	3227.2	3240.3	3369.0
65°	1044.7	1104.3	1370.4	1921.5	2474.0	3286.9	3733.2	3568.2	3355.9	3289.8	3526.8
67.5°	562.7	584.5	732.8	1163.2	2027.7	3310.8	4387.6	3979.7	3661.3	3550.0	3835.8
70°	363.5	386.8	466.7	639.1	1271.6	2927.7	5003.3	4865.9	4291.6	3906.3	3883.0
72.5°	236.3	250.1	336.6	481.3	764.8	1928.8	4975.0	5360.3	4789.6	3899.7	3495.5
75°	96.0	105.4	168.7	400.6	646.3	945.1	3816.9	4519.9	4496.6	3465.7	2705.2
77.5°	48.0	50.9	74.9	216.7	573.6	654.3	2415.2	3188.0	3201.1	2526.4	1504.2
80°	31.3	30.5	42.9	101.8	391.1	595.4	1350.8	1958.6	1831.4	958.2	421.7
82.5°	12.4	13.1	23.3	58.2	163.6	538.7	770.6	1054.2	824.4	186.8	121.4
85°	2.2	2.2	7.3	31.3	51.6	246.5	497.3	510.4	338.8	58.9	61.1
87.5°	0.7	0.7	1.5	2.2	3.6	5.8	21.8	10.2	6.5	10.2	11.6
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	21.1	134.5	138.9	139.6	138.1
12.5°	18.2	18.9	10.2	2.2	1.5	125.0	124.3	104.0	90.9	85.8	79.2
15°	394.8	375.1	310.4	183.2	101.1	102.5	75.6	56.0	45.1	42.2	40.7
17.5°	391.1	362.8	285.7	167.2	175.9	77.1	40.7	45.1	58.9	59.6	59.6
20°	735.0	644.9	279.2	186.8	118.5	66.9	53.1	56.0	56.0	56.7	56.0
22.5°	766.3	676.1	418.0	238.5	85.1	70.5	60.3	52.3	53.8	69.8	67.6
25°	772.8	663.0	387.5	186.8	82.2	70.5	66.2	64.0	72.0	72.0	72.7
27.5°	1113.8	932.0	469.7	140.3	81.4	73.4	73.4	66.9	64.7	64.0	64.7
30°	1111.6	900.0	400.6	118.5	78.5	72.7	66.2	59.6	72.0	72.7	72.7
32.5°	1459.1	1150.9	387.5	96.0	78.5	66.9	58.2	61.8	57.4	57.4	57.4
35°	1479.5	1121.8	305.3	99.6	69.8	61.1	56.7	48.0	50.9	51.6	50.2
37.5°	1518.7	1101.4	231.9	90.2	69.8	56.7	46.5	42.9	40.0	39.3	39.3
40°	1589.3	1102.9	178.8	82.9	65.4	51.6	41.4	34.9	36.4	36.4	35.6
42.5°	1694.7	1124.0	140.3	76.3	58.9	45.8	34.9	31.3	29.1	29.1	28.4
45°	1834.3	1169.0	114.9	71.2	53.8	39.3	28.4	25.4	23.3	23.3	22.5
47.5°	2007.3	1232.3	100.3	66.2	48.0	32.7	23.3	20.4	18.9	18.2	18.2
50°	2192.0	1307.9	92.3	61.8	41.4	26.2	18.9	16.0	14.5	14.5	13.8
52.5°	2383.2	1394.4	85.8	58.9	35.6	21.8	14.5	11.6	10.9	10.2	10.9
55°	2538.0	1446.8	81.4	58.2	29.8	17.4	10.9	8.7	8.0	7.3	7.3
57.5°	2639.8	1475.1	75.6	53.8	24.0	13.1	8.0	5.8	5.1	5.1	5.1
60°	2719.8	1491.1	68.3	42.9	18.9	9.5	5.1	3.6	3.6	3.6	3.6
62.5°	2783.0	1502.0	57.4	33.4	14.5	6.5	3.6	2.2	2.2	2.2	2.2
65°	2970.6	1566.0	44.3	25.4	10.9	4.4	2.2	1.5	0.7	1.5	1.5
67.5°	3198.9	1592.9	32.7	18.2	8.0	2.9	1.5	0.7	0.7	0.7	1.5
70°	3108.7	1387.9	24.0	13.1	5.8	2.2	1.5	0.7	0.7	0.7	1.5
72.5°	2612.2	1014.2	17.4	9.5	4.4	2.2	1.5	0.7	0.7	1.5	1.5
75°	1878.6	572.2	13.8	6.5	3.6	2.2	1.5	1.5	1.5	2.2	2.2
77.5°	884.1	213.0	13.8	5.8	3.6	2.2	1.5	1.5	2.2	2.9	1.5
80°	214.5	53.1	13.8	5.1	3.6	2.2	2.2	2.2	2.9	2.9	1.5
82.5°	72.0	22.5	10.2	4.4	3.6	2.2	2.2	2.9	2.9	3.6	2.2
85°	43.6	14.5	7.3	5.1	4.4	2.2	2.9	2.9	3.6	4.4	2.2
87.5°	7.3	5.8	5.1	5.1	4.4	2.9	2.9	3.6	3.6	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)