

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: P415863

Luminaire Tested: **LXF.LXT-PA1-60-730-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415863
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-PA1-60-730-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 5723 lumens
Efficiency: N/A
Efficacy: 89.4 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): 64
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

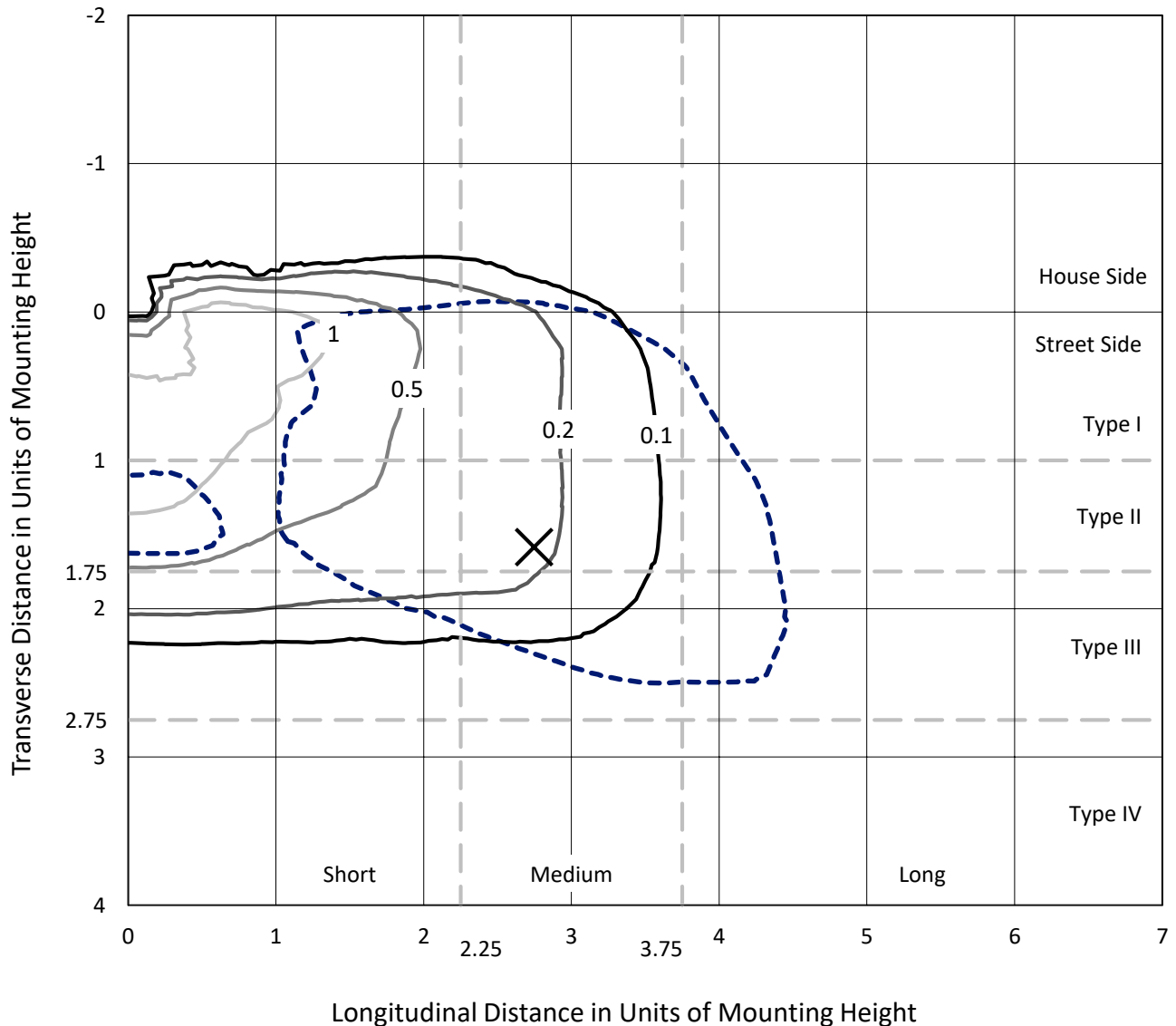


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

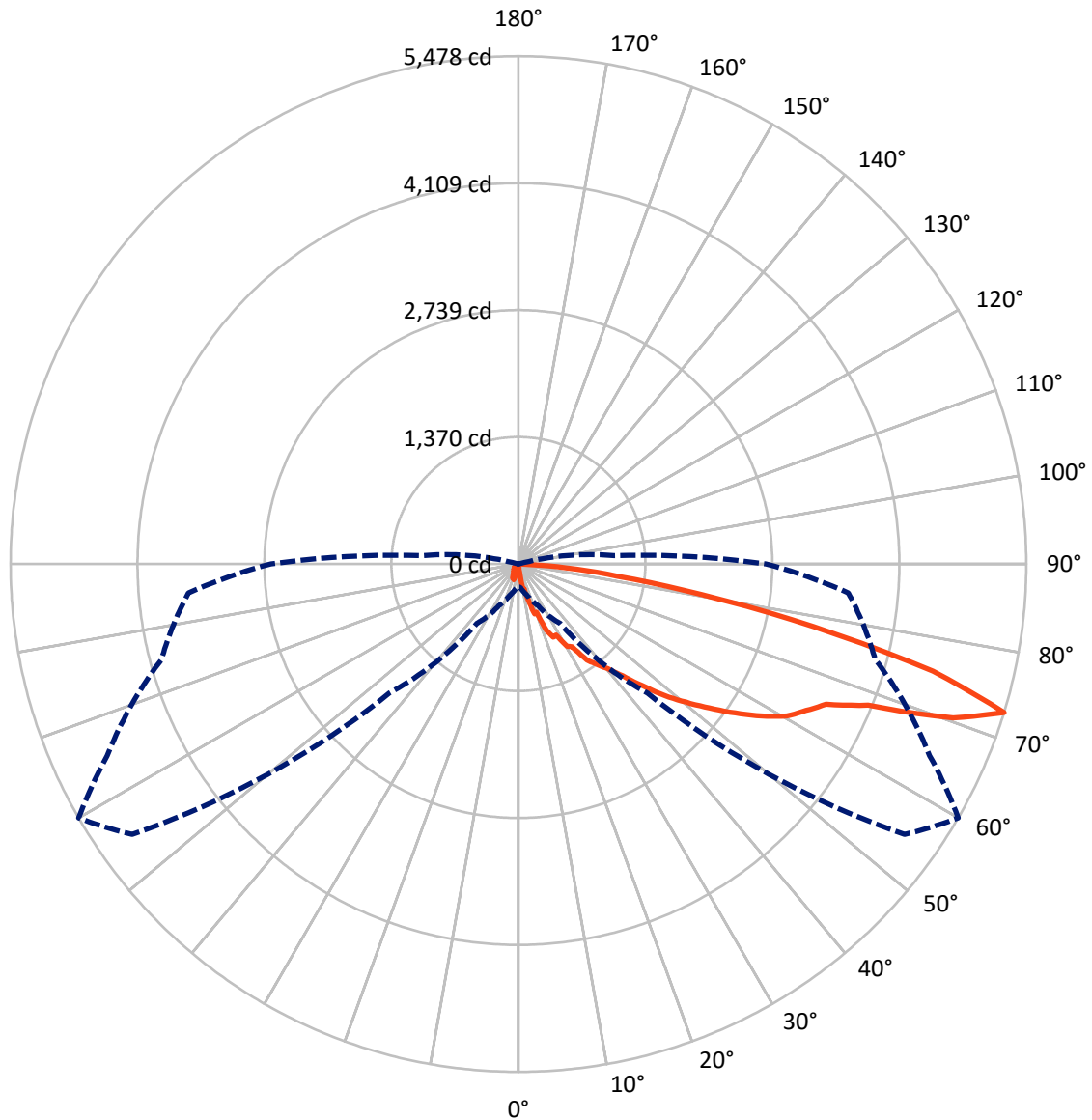


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - Non-Cutoff

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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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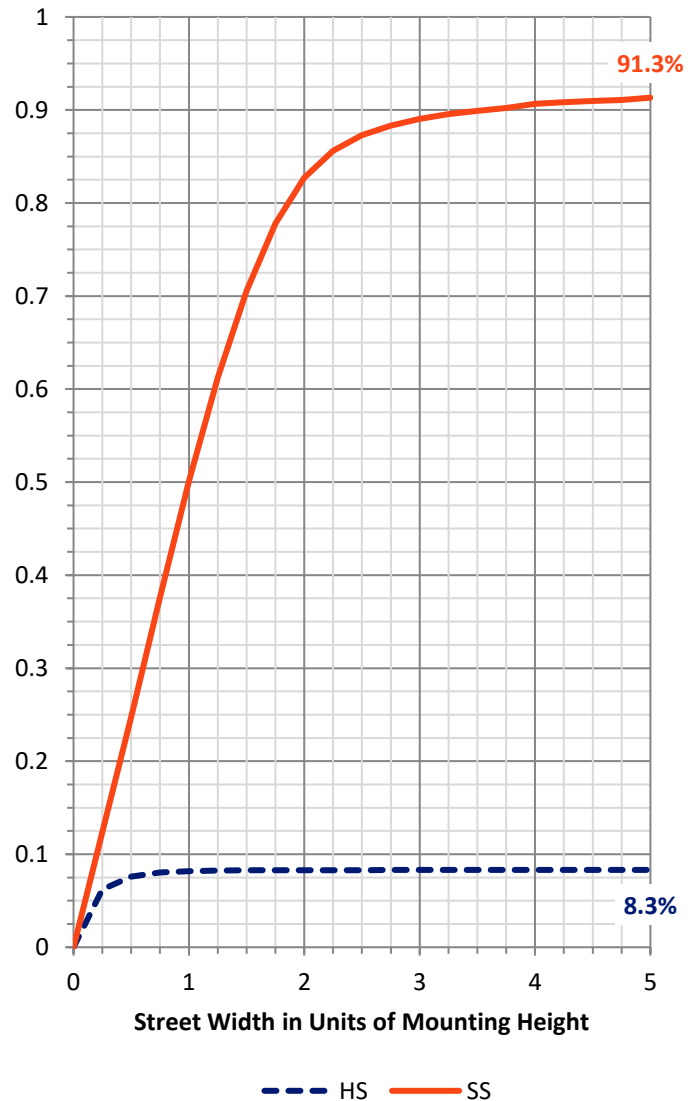
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	480.0	0.0	480.0
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5243.0	0.0	5243.0
	% Fixture	91.6	0.0	91.6
Total	Lumens	5723.0	0.0	5723.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	79.7	1.4
20°-30°	249.3	4.4
30°-40°	537.4	9.4
40°-50°	913.7	16.0
50°-60°	1350.8	23.6
60°-70°	1469.4	25.7
70°-80°	1001.4	17.5
80°-90°	113.6	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°	5723.0	100.0
0°-180°	5723.0	100.0



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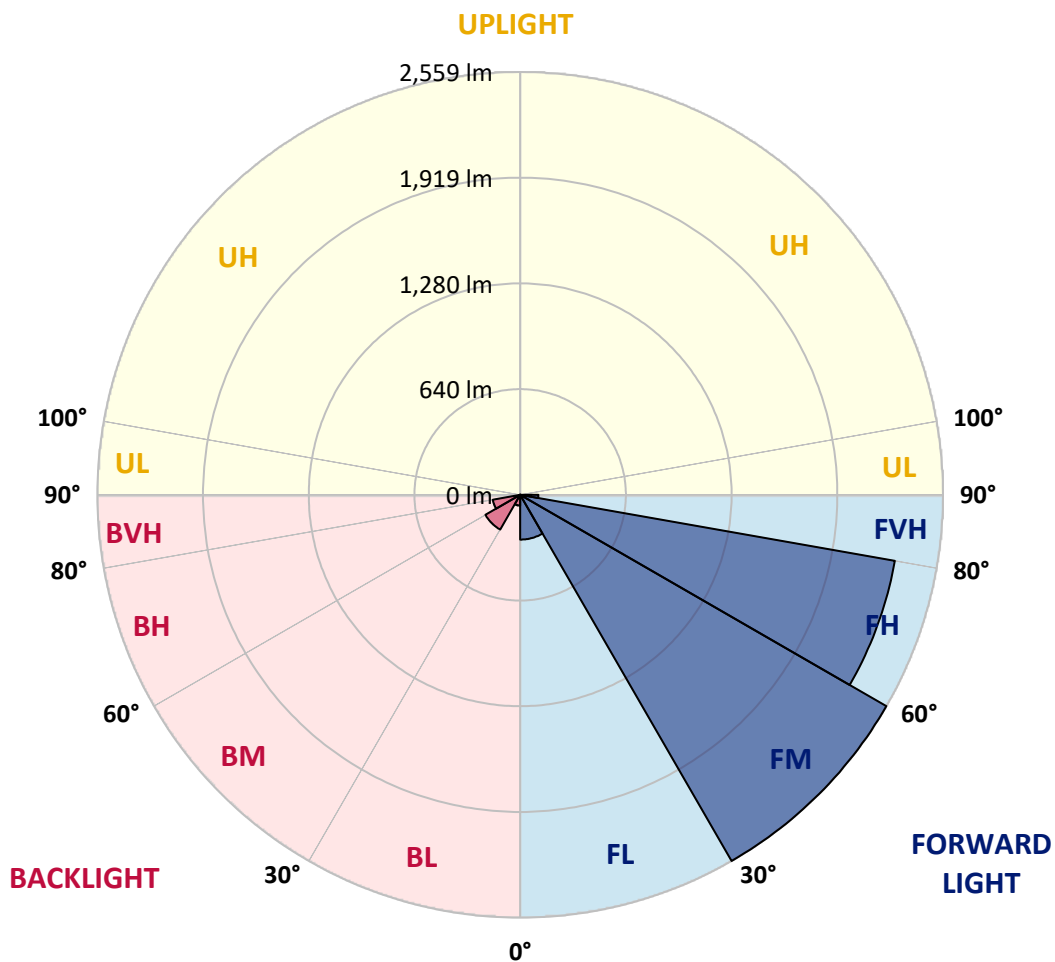
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.0	4.7			
FM	(30°-60°)	2559.2	44.7			
FH	(60°-80°)	2302.6	40.2			G2/5000
FVH	(80°-90°)	110.1	1.9			G2/225
BL	(0°-30°)	65.6	1.1	B0/110		
BM	(30°-60°)	242.8	4.2	B1/1000		
BH	(60°-80°)	168.2	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°	5.2	3.7	3.7	3.0	2.2	2.2	2.2	3.0	3.0	2.2	3.0
5°	292.7	289.0	289.0	290.5	188.7	31.9	17.8	7.4	3.0	3.0	3.0
7.5°	277.9	274.9	276.4	280.1	282.3	286.1	286.1	87.7	28.2	3.0	3.0
10°	284.6	282.3	270.4	268.2	272.7	276.4	277.9	284.6	276.4	8.2	3.0
12.5°	500.8	497.1	497.1	503.7	292.7	267.5	270.4	277.1	239.2	31.2	17.1
15°	479.2	476.3	477.0	485.2	496.3	352.2	277.9	411.6	528.3	477.0	378.9
17.5°	668.7	575.8	497.8	474.0	476.3	491.9	538.7	566.2	537.2	543.1	413.1
20°	682.8	677.6	674.6	679.8	487.4	648.6	685.0	555.8	540.9	581.8	762.3
22.5°	706.6	694.7	670.9	667.9	750.4	639.0	663.5	777.2	798.0	852.2	793.5
25°	957.0	948.1	923.5	702.9	769.7	734.1	836.6	874.5	861.9	897.5	860.4
27.5°	1051.3	1034.2	981.5	912.4	817.3	865.6	846.3	867.1	951.8	1236.3	1213.3
30°	1473.3	1428.0	1282.4	1050.6	971.8	901.2	984.5	1028.3	1099.6	1265.3	1243.8
32.5°	1601.1	1552.8	1447.3	1337.4	1151.6	1021.6	1083.3	1064.0	1115.2	1543.9	1633.1
35°	1973.4	1951.1	1760.9	1455.5	1408.0	1205.1	1137.5	1270.5	1346.3	1565.5	1716.3
37.5°	1977.8	1979.3	1968.2	1761.6	1543.9	1354.5	1367.1	1372.3	1431.0	1668.0	1812.9
40°	2041.0	2051.4	2078.9	1922.9	1739.3	1570.7	1537.2	1485.2	1537.2	1783.2	1945.1
42.5°	2173.2	2180.7	2241.6	2078.9	1893.9	1739.3	1756.4	1650.2	1688.1	2000.9	2124.9
45°	2405.8	2401.3	2477.9	2243.1	2038.0	1931.8	1951.1	1869.4	1846.3	2179.2	2336.0
47.5°	2668.8	2685.2	2682.2	2424.4	2181.4	2110.8	2166.6	2122.7	2032.1	2406.5	2581.9
50°	2917.7	2912.5	2835.2	2526.9	2309.2	2286.2	2414.7	2342.6	2260.2	2637.6	2818.9
52.5°	3008.4	3012.8	2920.7	2588.6	2418.4	2460.0	2652.5	2579.7	2472.7	2802.6	3054.4
55°	2992.0	2998.0	2945.9	2651.7	2500.2	2622.7	2899.1	2836.7	2716.4	2981.6	3231.3
57.5°	2839.0	2839.0	2881.3	2691.1	2579.7	2768.4	3119.1	3093.8	2945.2	3130.2	3336.8
60°	2448.1	2489.8	2622.7	2643.6	2673.3	2925.9	3336.8	3328.6	3148.0	3269.1	3399.2
62.5°	1882.7	1896.1	2190.3	2413.2	2680.7	3137.6	3520.3	3480.9	3298.1	3311.5	3443.0
65°	1067.7	1128.6	1400.5	1963.7	2528.4	3359.0	3815.2	3646.6	3429.6	3362.0	3604.2
67.5°	575.1	597.4	748.9	1188.8	2072.2	3383.6	4483.9	4067.1	3741.7	3628.0	3920.0
70°	371.5	395.3	477.0	653.1	1299.5	2992.0	5113.2	4972.8	4385.9	3992.1	3968.3
72.5°	241.5	255.6	344.0	491.9	781.6	1971.1	5084.3	5478.0	4894.8	3985.4	3572.3
75°	98.1	107.7	172.4	409.4	660.5	965.9	3900.7	4619.2	4595.4	3541.8	2764.7
77.5°	49.0	52.0	76.5	221.4	586.2	668.7	2468.2	3258.0	3271.4	2581.9	1537.2
80°	31.9	31.2	43.8	104.0	399.7	608.5	1380.5	2001.6	1871.6	979.3	430.9
82.5°	12.6	13.4	23.8	59.4	167.2	550.6	787.6	1077.3	842.5	190.9	124.1
85°	2.2	2.2	7.4	31.9	52.8	251.9	508.2	521.6	346.2	60.2	62.4
87.5°	0.7	0.7	1.5	2.2	3.7	5.9	22.3	10.4	6.7	10.4	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



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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°	3.0	3.0	3.0	2.2	2.2	1.5	0.0	0.0	0.7	0.7	0.7
5°	3.0	3.0	3.0	2.2	2.2	0.7	0.0	0.0	0.7	0.7	0.7
7.5°	3.0	3.0	3.0	2.2	1.5	0.7	0.0	0.0	0.7	0.7	0.7
10°	3.0	3.0	3.0	2.2	1.5	0.7	21.5	137.5	141.9	142.7	141.2
12.5°	18.6	19.3	10.4	2.2	1.5	127.8	127.1	106.2	92.9	87.7	81.0
15°	403.4	383.4	317.3	187.2	103.3	104.8	77.3	57.2	46.1	43.1	41.6
17.5°	399.7	370.8	292.0	170.9	179.8	78.8	41.6	46.1	60.2	60.9	60.9
20°	751.2	659.0	285.3	190.9	121.1	68.4	54.2	57.2	57.2	58.0	57.2
22.5°	783.1	691.0	427.2	243.7	86.9	72.1	61.7	53.5	55.0	71.3	69.1
25°	789.8	677.6	396.0	190.9	84.0	72.1	67.6	65.4	73.6	73.6	74.3
27.5°	1138.3	952.5	480.0	143.4	83.2	75.0	75.0	68.4	66.1	65.4	66.1
30°	1136.0	919.8	409.4	121.1	80.2	74.3	67.6	60.9	73.6	74.3	74.3
32.5°	1491.2	1176.1	396.0	98.1	80.2	68.4	59.4	63.2	58.7	58.7	58.7
35°	1512.0	1146.4	312.1	101.8	71.3	62.4	58.0	49.0	52.0	52.8	51.3
37.5°	1552.1	1125.6	237.0	92.1	71.3	58.0	47.6	43.8	40.9	40.1	40.1
40°	1624.2	1127.1	182.8	84.7	66.9	52.8	42.4	35.7	37.1	37.1	36.4
42.5°	1731.9	1148.7	143.4	78.0	60.2	46.8	35.7	31.9	29.7	29.7	29.0
45°	1874.6	1194.7	117.4	72.8	55.0	40.1	29.0	26.0	23.8	23.8	23.0
47.5°	2051.4	1259.4	102.5	67.6	49.0	33.4	23.8	20.8	19.3	18.6	18.6
50°	2240.1	1336.6	94.4	63.2	42.4	26.7	19.3	16.3	14.9	14.9	14.1
52.5°	2435.5	1425.1	87.7	60.2	36.4	22.3	14.9	11.9	11.1	10.4	11.1
55°	2593.8	1478.5	83.2	59.4	30.5	17.8	11.1	8.9	8.2	7.4	7.4
57.5°	2697.8	1507.5	77.3	55.0	24.5	13.4	8.2	5.9	5.2	5.2	5.2
60°	2779.5	1523.9	69.8	43.8	19.3	9.7	5.2	3.7	3.7	3.7	3.7
62.5°	2844.2	1535.0	58.7	34.2	14.9	6.7	3.7	2.2	2.2	2.2	2.2
65°	3035.8	1600.4	45.3	26.0	11.1	4.5	2.2	1.5	0.7	1.5	1.5
67.5°	3269.1	1627.9	33.4	18.6	8.2	3.0	1.5	0.7	0.7	0.7	1.5
70°	3177.0	1418.4	24.5	13.4	5.9	2.2	1.5	0.7	0.7	0.7	1.5
72.5°	2669.6	1036.5	17.8	9.7	4.5	2.2	1.5	0.7	0.7	1.5	1.5
75°	1919.9	584.7	14.1	6.7	3.7	2.2	1.5	1.5	1.5	2.2	2.2
77.5°	903.5	217.7	14.1	5.9	3.7	2.2	1.5	1.5	2.2	3.0	1.5
80°	219.2	54.2	14.1	5.2	3.7	2.2	2.2	2.2	3.0	3.0	1.5
82.5°	73.6	23.0	10.4	4.5	3.7	2.2	2.2	3.0	3.0	3.7	2.2
85°	44.6	14.9	7.4	5.2	4.5	2.2	3.0	3.0	3.7	4.5	2.2
87.5°	7.4	5.9	5.2	5.2	4.5	3.0	3.0	3.7	3.7	4.5	3.0
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)