

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: P417319

Luminaire Tested: **LXF.LXT-PA1-90-827-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417319  
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-PA1-90-827-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1180mA 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: 6105 lumens  
Efficiency: N/A  
Efficacy: 64.9 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

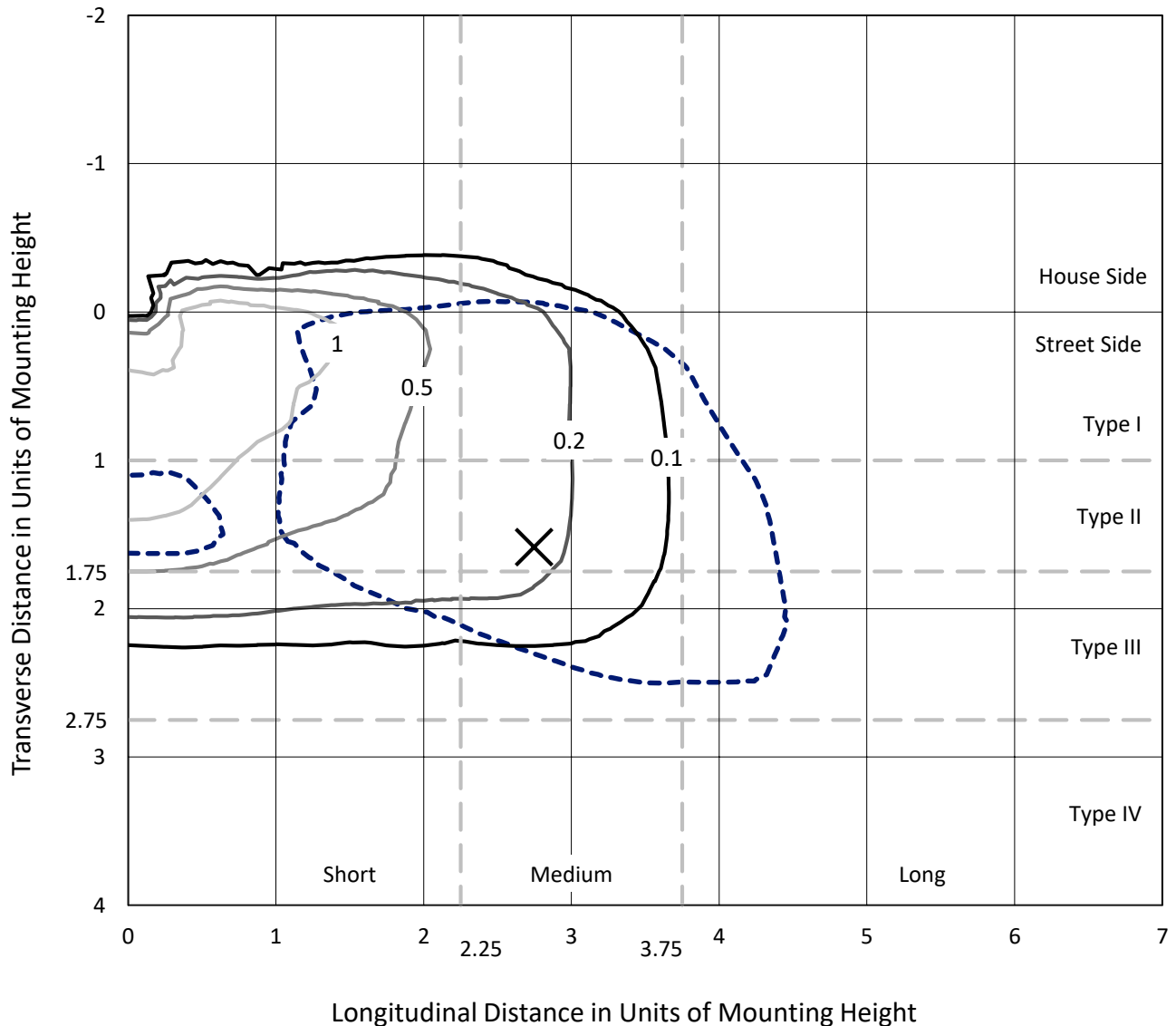
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

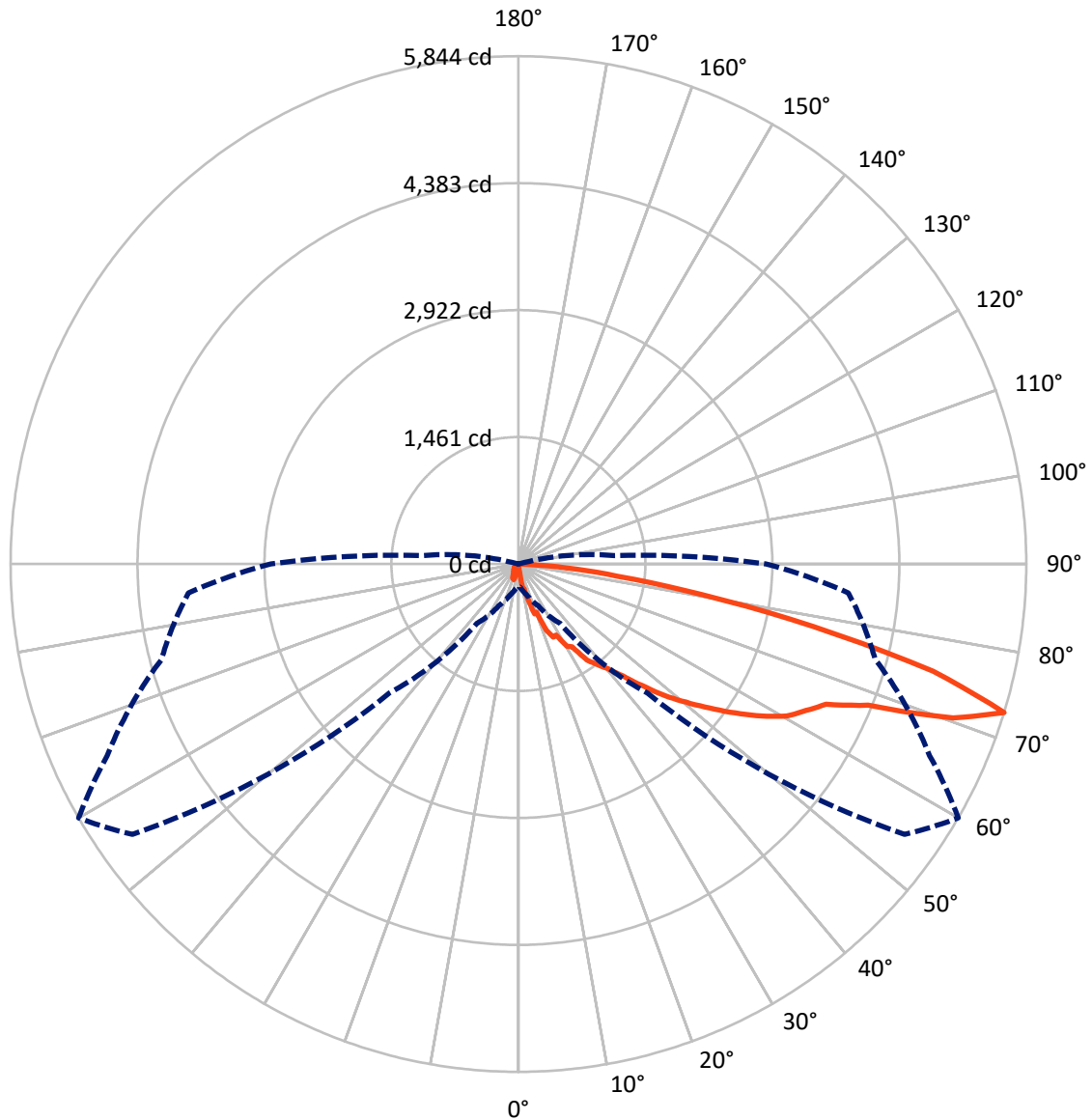


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type III - Medium - Non-Cutoff

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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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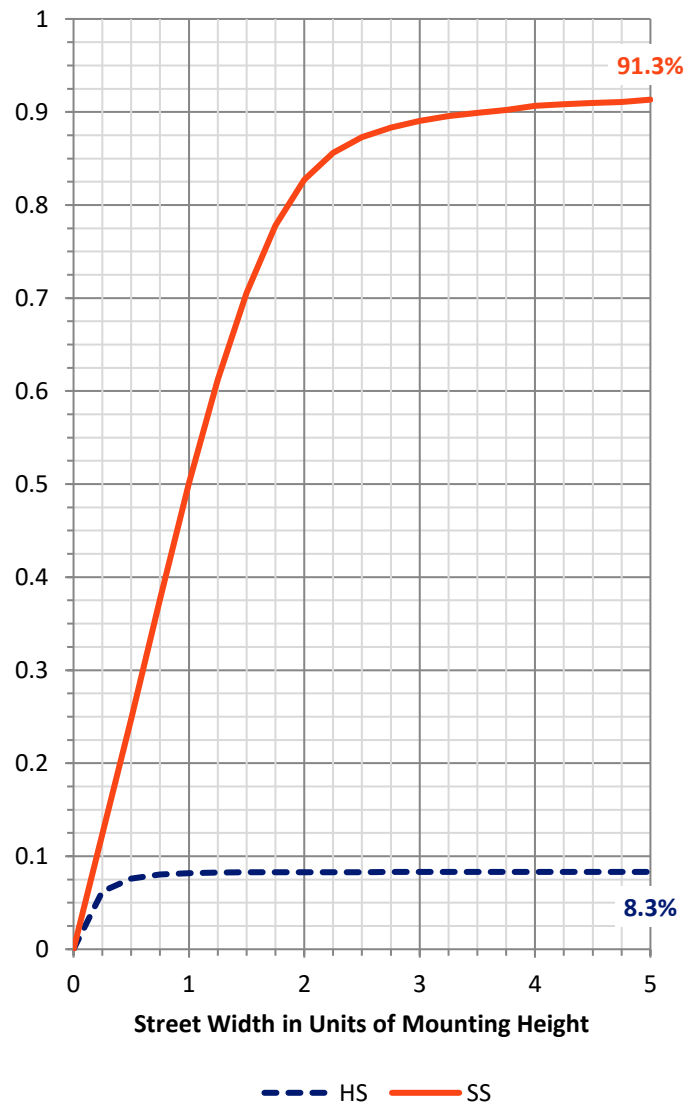
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	512.1	0.0	512.1
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	5593.0	0.0	5593.0
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	6105.0	0.0	6105.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.2	0.1
10°-20°	85.0	1.4
20°-30°	265.9	4.4
30°-40°	573.3	9.4
40°-50°	974.7	16.0
50°-60°	1441.0	23.6
60°-70°	1567.5	25.7
70°-80°	1068.3	17.5
80°-90°	121.2	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°	6105.0	100.0
0°-180°	6105.0	100.0



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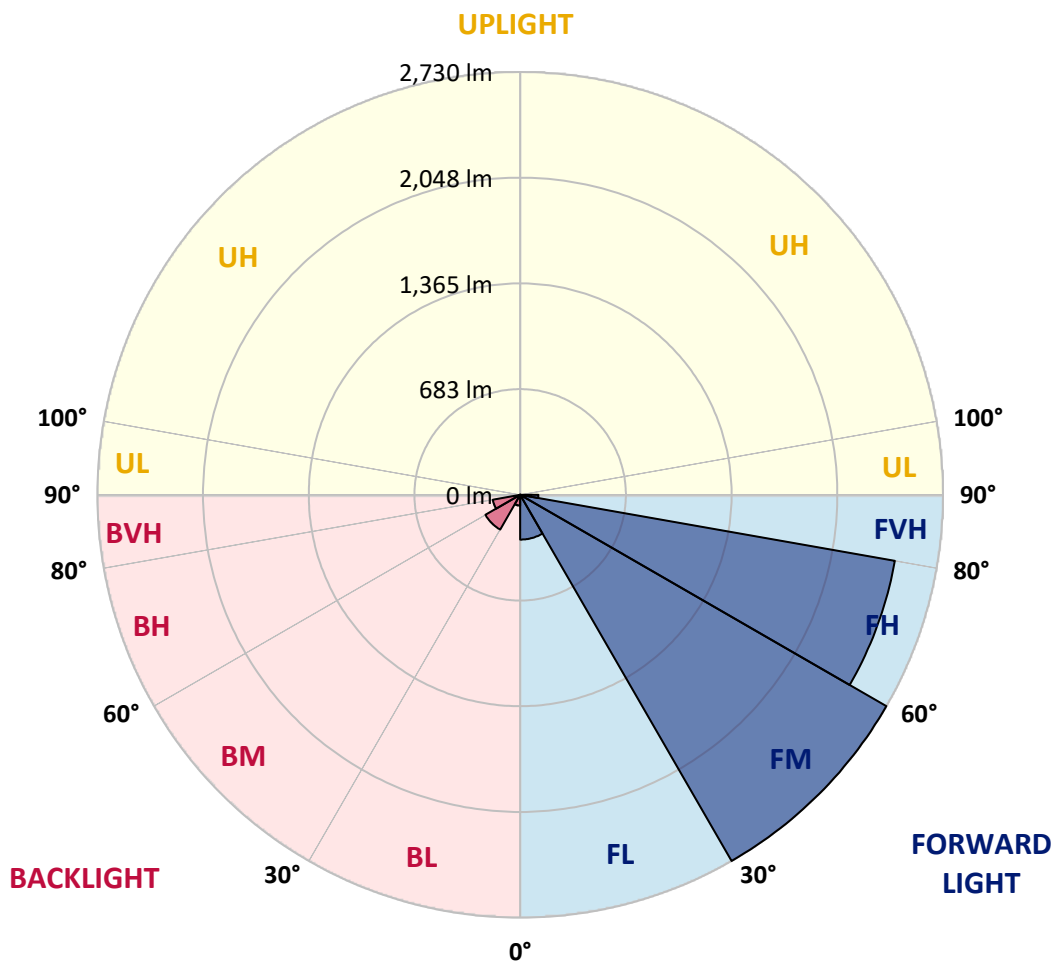
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.1	4.7			
FM	(30°-60°)	2730.0	44.7			
FH	(60°-80°)	2456.3	40.2			G2/5000
FVH	(80°-90°)	117.5	1.9			G2/225
BL	(0°-30°)	70.0	1.1	B0/110		
BM	(30°-60°)	259.0	4.2	B1/1000		
BH	(60°-80°)	179.4	2.9	B1/500		G1/500
BVH	(80°-90°)	3.7	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	5.5	4.0	4.0	3.2	2.4	2.4	2.4	3.2	3.2	2.4	3.2
5°	312.3	308.3	308.3	309.9	201.3	34.1	19.0	7.9	3.2	3.2	3.2
7.5°	296.4	293.3	294.8	298.8	301.2	305.1	305.1	93.5	30.1	3.2	3.2
10°	303.6	301.2	288.5	286.1	290.9	294.8	296.4	303.6	294.8	8.7	3.2
12.5°	534.2	530.2	530.2	537.4	312.3	285.3	288.5	295.6	255.2	33.3	18.2
15°	511.2	508.0	508.8	517.6	529.4	375.7	296.4	439.1	563.5	508.8	404.2
17.5°	713.3	614.3	531.0	505.7	508.0	524.7	574.6	603.9	573.0	579.4	440.7
20°	728.4	722.8	719.7	725.2	519.9	691.9	730.8	592.9	577.0	620.6	813.2
22.5°	753.7	741.1	715.7	712.5	800.5	681.6	707.8	829.0	851.2	909.1	846.5
25°	1020.8	1011.3	985.2	749.8	821.1	783.1	892.4	932.9	919.4	957.4	917.8
27.5°	1121.5	1103.3	1047.0	973.3	871.8	923.4	902.7	924.9	1015.3	1318.9	1294.3
30°	1571.7	1523.3	1368.0	1120.7	1036.7	961.4	1050.2	1096.9	1173.0	1349.8	1326.8
32.5°	1708.0	1656.5	1543.9	1426.6	1228.5	1089.8	1155.6	1135.0	1189.7	1647.0	1742.1
35°	2105.1	2081.3	1878.4	1552.7	1501.9	1285.6	1213.4	1355.3	1436.2	1670.0	1830.9
37.5°	2109.9	2111.4	2099.5	1879.2	1647.0	1444.9	1458.3	1463.9	1526.5	1779.3	1933.9
40°	2177.2	2188.3	2217.6	2051.2	1855.4	1675.5	1639.8	1584.4	1639.8	1902.2	2075.0
42.5°	2318.3	2326.2	2391.2	2217.6	2020.3	1855.4	1873.7	1760.3	1800.7	2134.4	2266.8
45°	2566.4	2561.6	2643.3	2392.8	2174.0	2060.7	2081.3	1994.1	1969.6	2324.6	2491.9
47.5°	2847.0	2864.4	2861.2	2586.2	2327.0	2251.7	2311.2	2264.4	2167.7	2567.2	2754.2
50°	3112.5	3106.9	3024.5	2695.6	2463.3	2438.8	2575.9	2499.0	2411.0	2813.7	3007.1
52.5°	3209.2	3213.9	3115.6	2761.4	2579.9	2624.2	2829.5	2751.8	2637.7	2989.6	3258.3
55°	3191.7	3198.1	3142.6	2828.7	2667.0	2797.8	3092.7	3026.1	2897.7	3180.6	3446.9
57.5°	3028.5	3028.5	3073.6	2870.7	2751.8	2953.2	3327.3	3300.3	3141.8	3339.1	3559.5
60°	2611.6	2655.9	2797.8	2820.0	2851.7	3121.2	3559.5	3550.8	3358.2	3487.4	3626.1
62.5°	2008.4	2022.7	2336.5	2574.3	2859.6	3347.1	3755.2	3713.2	3518.3	3532.5	3672.8
65°	1138.9	1203.9	1494.0	2094.8	2697.2	3583.3	4069.9	3890.0	3658.6	3586.4	3844.8
67.5°	613.5	637.2	798.9	1268.1	2210.5	3609.4	4783.2	4338.6	3991.4	3870.2	4181.7
70°	396.3	421.7	508.8	696.7	1386.2	3191.7	5454.5	5304.7	4678.6	4258.5	4233.2
72.5°	257.6	272.6	367.0	524.7	833.8	2102.7	5423.6	5843.7	5221.5	4251.4	3810.7
75°	104.6	114.9	183.9	436.7	704.6	1030.4	4161.0	4927.5	4902.1	3778.2	2949.2
77.5°	52.3	55.5	81.6	236.2	625.3	713.3	2633.0	3475.5	3489.7	2754.2	1639.8
80°	34.1	33.3	46.8	111.0	426.4	649.1	1472.6	2135.2	1996.5	1044.6	459.7
82.5°	13.5	14.3	25.4	63.4	178.3	587.3	840.1	1149.2	898.8	203.7	132.4
85°	2.4	2.4	7.9	34.1	56.3	268.7	542.1	556.4	369.3	64.2	66.6
87.5°	0.8	0.8	1.6	2.4	4.0	6.3	23.8	11.1	7.1	11.1	12.7
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	3.2	3.2	3.2	2.4	2.4	1.6	0.0	0.0	0.8	0.8	0.8
5°	3.2	3.2	3.2	2.4	2.4	0.8	0.0	0.0	0.8	0.8	0.8
7.5°	3.2	3.2	3.2	2.4	1.6	0.8	0.0	0.0	0.8	0.8	0.8
10°	3.2	3.2	3.2	2.4	1.6	0.8	23.0	146.6	151.4	152.2	150.6
12.5°	19.8	20.6	11.1	2.4	1.6	136.3	135.5	113.3	99.1	93.5	86.4
15°	430.4	409.0	338.4	199.7	110.2	111.8	82.4	61.0	49.1	46.0	44.4
17.5°	426.4	395.5	311.5	182.3	191.8	84.0	44.4	49.1	64.2	65.0	65.0
20°	801.3	703.0	304.4	203.7	129.2	72.9	57.9	61.0	61.0	61.8	61.0
22.5°	835.4	737.1	455.7	260.0	92.7	76.9	65.8	57.1	58.7	76.1	73.7
25°	842.5	722.8	422.4	203.7	89.6	76.9	72.1	69.7	78.5	78.5	79.3
27.5°	1214.2	1016.1	512.0	153.0	88.8	80.1	80.1	72.9	70.5	69.7	70.5
30°	1211.9	981.2	436.7	129.2	85.6	79.3	72.1	65.0	78.5	79.3	79.3
32.5°	1590.7	1254.7	422.4	104.6	85.6	72.9	63.4	67.4	62.6	62.6	62.6
35°	1612.9	1223.0	332.9	108.6	76.1	66.6	61.8	52.3	55.5	56.3	54.7
37.5°	1655.7	1200.8	252.8	98.3	76.1	61.8	50.7	46.8	43.6	42.8	42.8
40°	1732.6	1202.3	195.0	90.4	71.3	56.3	45.2	38.0	39.6	39.6	38.8
42.5°	1847.5	1225.3	153.0	83.2	64.2	49.9	38.0	34.1	31.7	31.7	30.9
45°	1999.7	1274.5	125.2	77.7	58.7	42.8	30.9	27.7	25.4	25.4	24.6
47.5°	2188.3	1343.4	109.4	72.1	52.3	35.7	25.4	22.2	20.6	19.8	19.8
50°	2389.6	1425.9	100.7	67.4	45.2	28.5	20.6	17.4	15.9	15.9	15.1
52.5°	2598.1	1520.2	93.5	64.2	38.8	23.8	15.9	12.7	11.9	11.1	11.9
55°	2766.9	1577.2	88.8	63.4	32.5	19.0	11.9	9.5	8.7	7.9	7.9
57.5°	2877.9	1608.1	82.4	58.7	26.2	14.3	8.7	6.3	5.5	5.5	5.5
60°	2965.0	1625.6	74.5	46.8	20.6	10.3	5.5	4.0	4.0	4.0	4.0
62.5°	3034.0	1637.5	62.6	36.5	15.9	7.1	4.0	2.4	2.4	2.4	2.4
65°	3238.5	1707.2	48.3	27.7	11.9	4.8	2.4	1.6	0.8	1.6	1.6
67.5°	3487.4	1736.5	35.7	19.8	8.7	3.2	1.6	0.8	0.8	0.8	1.6
70°	3389.1	1513.0	26.2	14.3	6.3	2.4	1.6	0.8	0.8	0.8	1.6
72.5°	2847.7	1105.7	19.0	10.3	4.8	2.4	1.6	0.8	0.8	1.6	1.6
75°	2048.0	623.8	15.1	7.1	4.0	2.4	1.6	1.6	1.6	2.4	2.4
77.5°	963.8	232.2	15.1	6.3	4.0	2.4	1.6	1.6	2.4	3.2	1.6
80°	233.8	57.9	15.1	5.5	4.0	2.4	2.4	2.4	3.2	3.2	1.6
82.5°	78.5	24.6	11.1	4.8	4.0	2.4	2.4	3.2	3.2	4.0	2.4
85°	47.6	15.9	7.9	5.5	4.8	2.4	3.2	3.2	4.0	4.8	2.4
87.5°	7.9	6.3	5.5	5.5	4.8	3.2	3.2	4.0	4.0	4.8	3.2
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)