

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: P417163

Luminaire Tested: **LXF.LXT-PA1-90-740-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417163  
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-PA1-90-740-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 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: 8305 lumens  
Efficiency: N/A  
Efficacy: 88.4 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

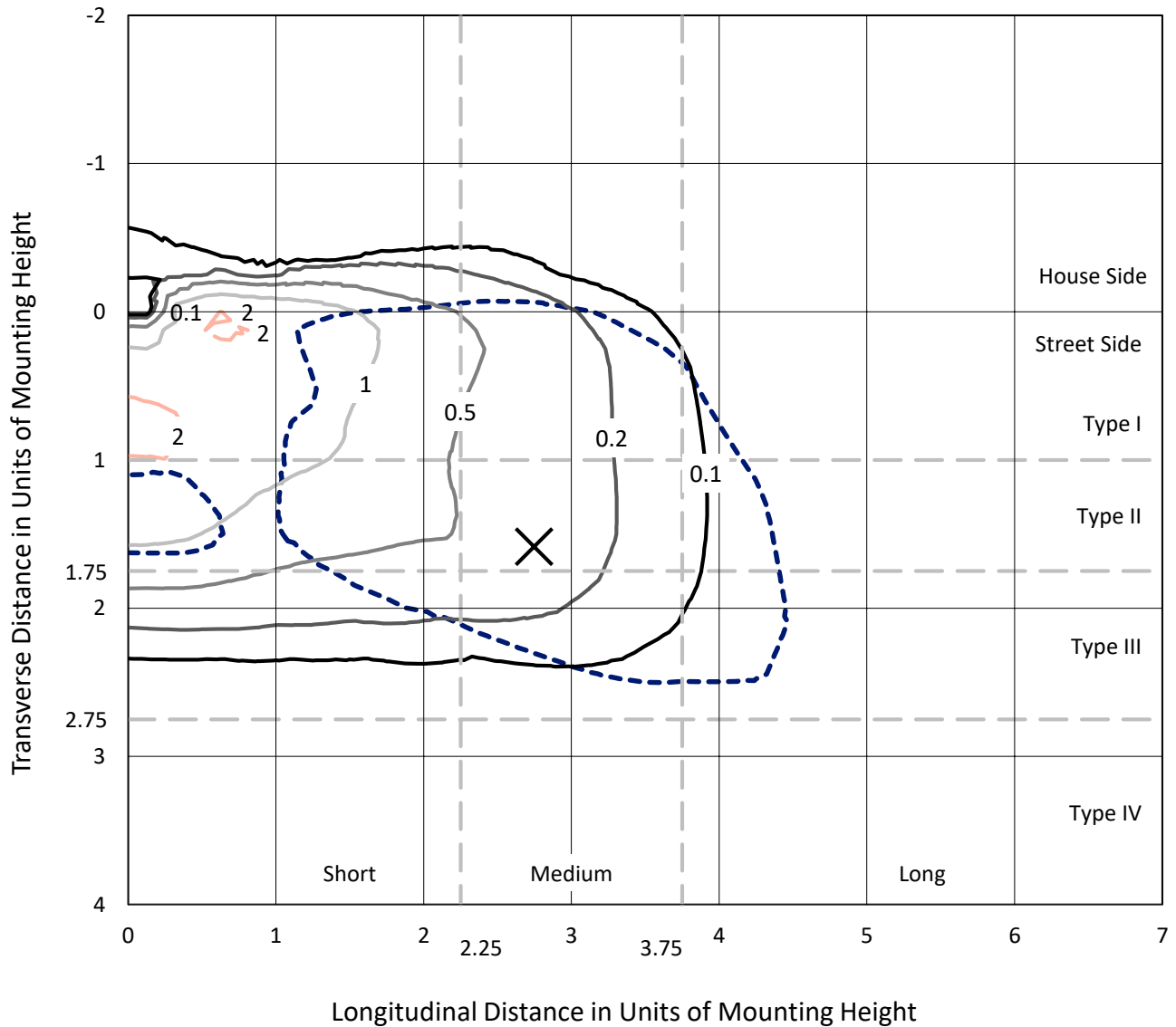
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P417163  
 CATALOG NUMBER: LXF.LXT-PA1-90-740-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

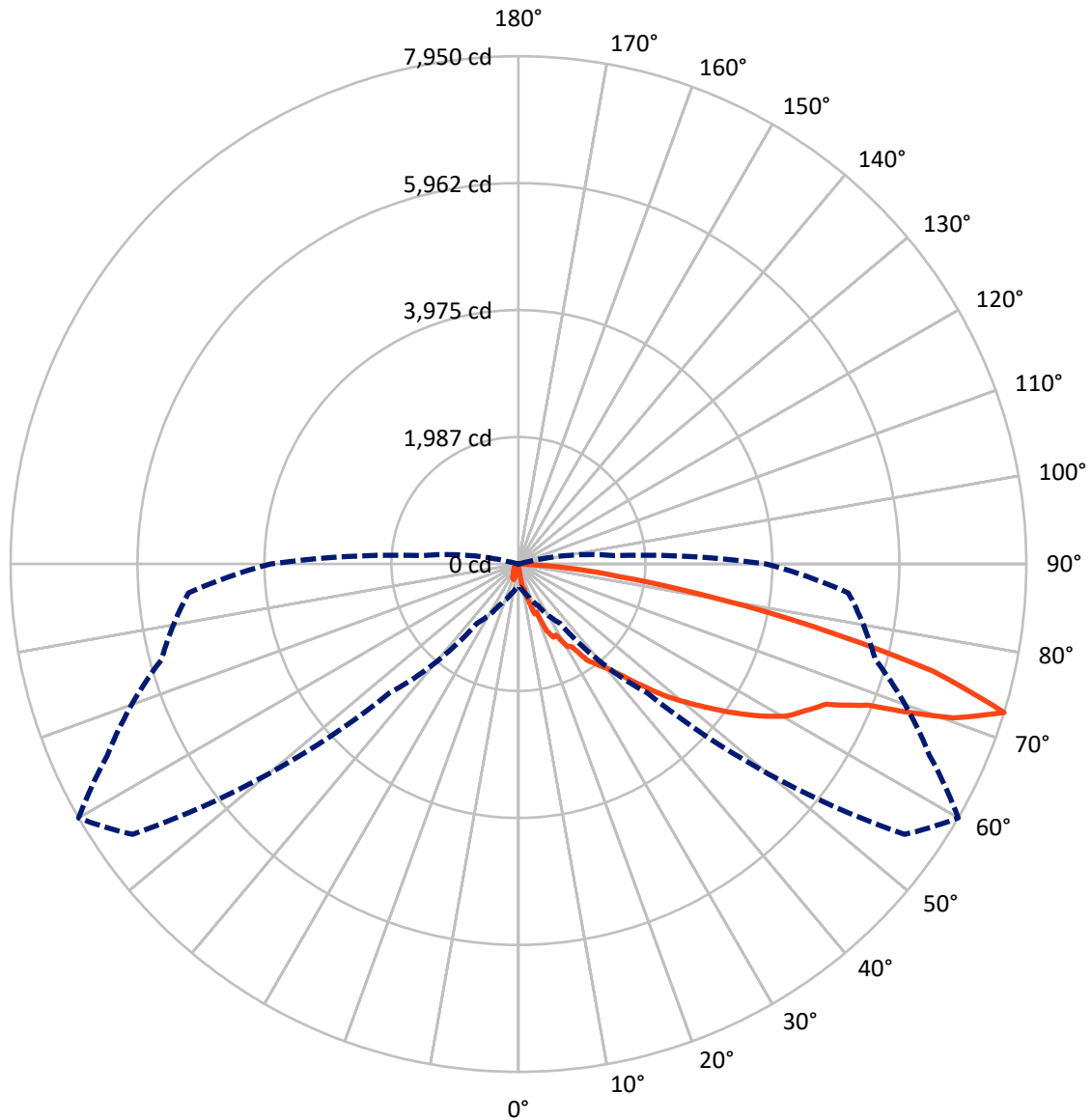
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P417163  
CATALOG NUMBER: LXF.LXT-PA1-90-740-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P417163

CATALOG NUMBER: LXF.LXT-PA1-90-740-U-SL3-HSS

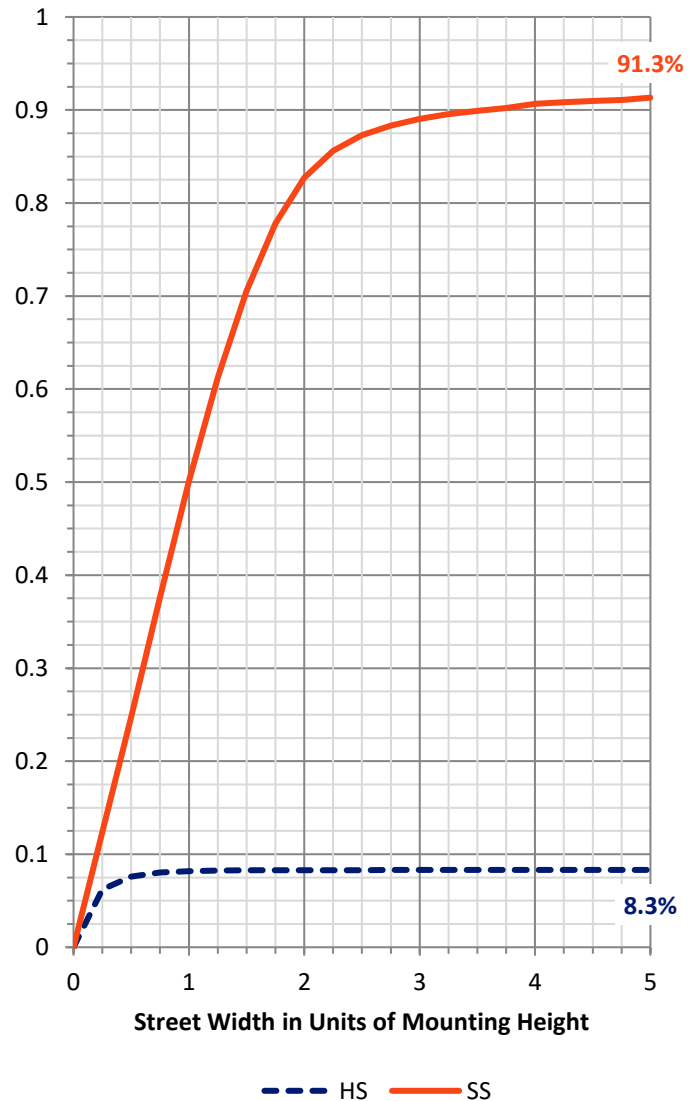
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	696.6	0.0	696.6
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	7608.4	0.0	7608.4
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	8305.0	0.0	8305.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.1	0.1
10°-20°	115.7	1.4
20°-30°	361.7	4.4
30°-40°	779.9	9.4
40°-50°	1326.0	16.0
50°-60°	1960.3	23.6
60°-70°	2132.3	25.7
70°-80°	1453.2	17.5
80°-90°	164.8	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°	8305.0	100.0
0°-180°	8305.0	100.0



REPORT NUMBER: P417163

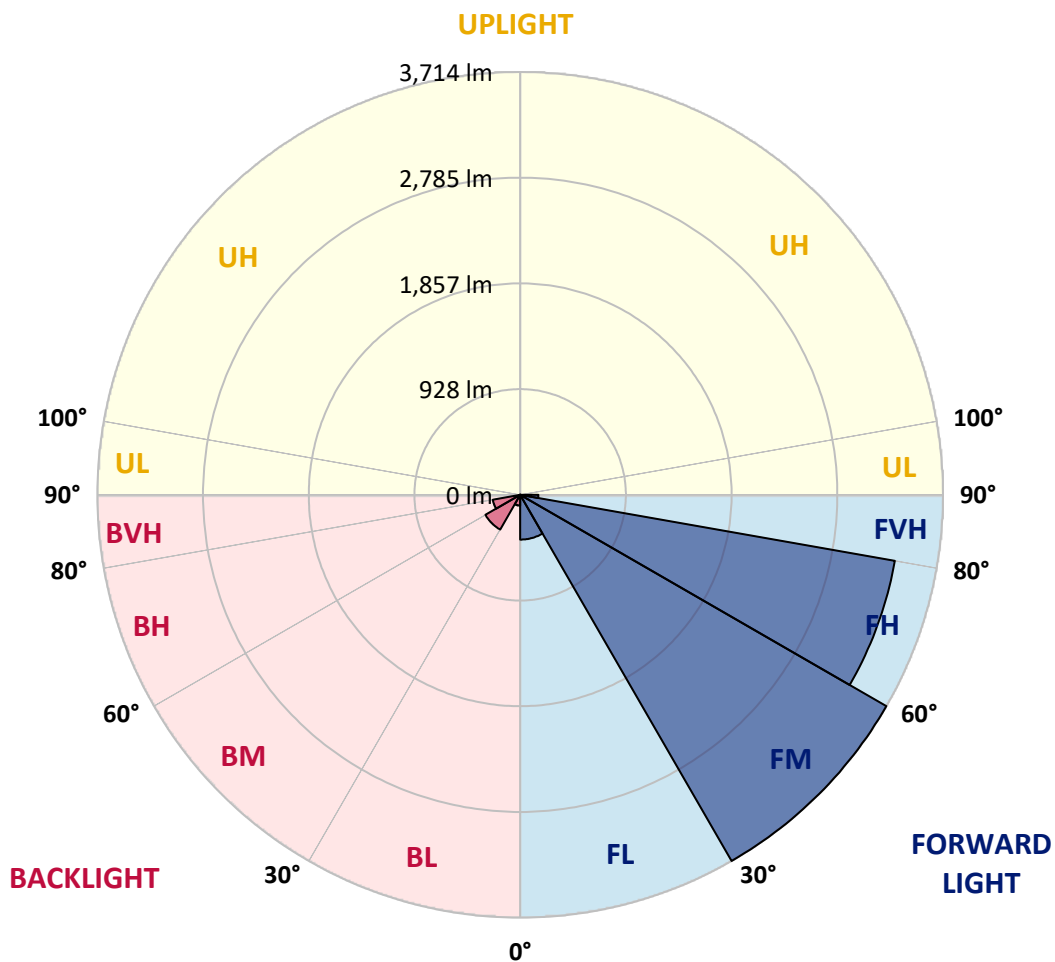
CATALOG NUMBER: LXF.LXT-PA1-90-740-U-SL3-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	393.3	4.7			
FM	(30°-60°)	3713.8	44.7			
FH	(60°-80°)	3341.4	40.2			G2/5000
FVH	(80°-90°)	159.8	1.9			G2/225
BL	(0°-30°)	95.2	1.1	B0/110		
BM	(30°-60°)	352.3	4.2	B1/1000		
BH	(60°-80°)	244.1	2.9	B1/500		G1/500
BVH	(80°-90°)	5.0	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





REPORT NUMBER: P417163

CATALOG NUMBER: LXF.LXT-PA1-90-740-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	7.5	5.4	5.4	4.3	3.2	3.2	3.2	4.3	4.3	3.2	4.3
5°	424.8	419.4	419.4	421.6	273.9	46.4	25.9	10.8	4.3	4.3	4.3
7.5°	403.2	398.9	401.1	406.5	409.7	415.1	415.1	127.2	41.0	4.3	4.3
10°	412.9	409.7	392.5	389.2	395.7	401.1	403.2	412.9	401.1	11.9	4.3
12.5°	726.7	721.3	721.3	731.0	424.8	388.2	392.5	402.2	347.2	45.3	24.8
15°	695.4	691.1	692.2	704.1	720.2	511.1	403.2	597.3	766.6	692.2	549.9
17.5°	970.4	835.6	722.4	687.9	691.1	713.8	781.7	821.6	779.5	788.2	599.5
20°	990.9	983.3	979.0	986.5	707.3	941.3	994.1	806.5	784.9	844.2	1106.2
22.5°	1025.4	1008.1	973.6	969.3	1089.0	927.2	962.8	1127.8	1158.0	1236.7	1151.5
25°	1388.7	1375.8	1340.2	1020.0	1117.0	1065.3	1214.0	1269.0	1250.7	1302.5	1248.6
27.5°	1525.6	1500.8	1424.3	1324.0	1186.0	1256.1	1228.1	1258.3	1381.2	1794.1	1760.7
30°	2138.1	2072.3	1861.0	1524.6	1410.3	1307.9	1428.6	1492.2	1595.7	1836.2	1804.9
32.5°	2323.5	2253.4	2100.3	1940.8	1671.2	1482.5	1572.0	1544.0	1618.4	2240.5	2369.9
35°	2863.7	2831.3	2555.3	2112.2	2043.2	1748.8	1650.7	1843.7	1953.7	2271.8	2490.6
37.5°	2870.2	2872.3	2856.1	2556.4	2240.5	1965.6	1983.9	1991.4	2076.6	2420.5	2630.8
40°	2961.8	2976.9	3016.8	2790.4	2524.1	2279.3	2230.8	2155.3	2230.8	2587.7	2822.7
42.5°	3153.7	3164.5	3252.9	3016.8	2748.3	2524.1	2548.9	2394.7	2449.7	2903.6	3083.6
45°	3491.2	3484.7	3595.8	3255.1	2957.5	2803.3	2831.3	2712.7	2679.3	3162.3	3389.8
47.5°	3872.9	3896.6	3892.3	3518.2	3165.6	3063.2	3144.0	3080.4	2948.9	3492.3	3746.7
50°	4234.1	4226.5	4114.4	3666.9	3351.0	3317.6	3504.1	3399.6	3279.9	3827.6	4090.7
52.5°	4365.6	4372.1	4238.4	3756.4	3509.5	3569.9	3849.2	3743.5	3588.2	4067.0	4432.5
55°	4341.9	4350.5	4275.0	3848.1	3628.1	3806.0	4207.1	4116.6	3941.9	4326.8	4689.1
57.5°	4119.8	4119.8	4181.2	3905.2	3743.5	4017.4	4526.3	4489.6	4274.0	4542.4	4842.2
60°	3552.7	3613.0	3806.0	3836.2	3879.3	4245.9	4842.2	4830.3	4568.3	4744.1	4932.7
62.5°	2732.1	2751.6	3178.5	3502.0	3890.1	4553.2	5108.5	5051.3	4786.1	4805.5	4996.4
65°	1549.4	1637.8	2032.4	2849.7	3669.1	4874.5	5536.5	5291.8	4977.0	4878.8	5230.3
67.5°	834.5	866.9	1086.8	1725.1	3007.1	4910.1	6506.9	5902.0	5429.8	5264.8	5688.6
70°	539.1	573.6	692.2	947.7	1885.8	4341.9	7420.1	7216.4	6364.6	5793.1	5758.6
72.5°	350.4	370.9	499.2	713.8	1134.3	2860.5	7378.1	7949.5	7103.2	5783.4	5184.0
75°	142.3	156.3	250.1	594.1	958.5	1401.7	5660.5	6703.1	6668.6	5139.8	4012.0
77.5°	71.2	75.5	111.1	321.3	850.7	970.4	3581.8	4727.9	4747.3	3746.7	2230.8
80°	46.4	45.3	63.6	150.9	580.1	883.0	2003.3	2904.7	2716.0	1421.1	625.4
82.5°	18.3	19.4	34.5	86.3	242.6	798.9	1142.9	1563.4	1222.7	277.1	180.1
85°	3.2	3.2	10.8	46.4	76.6	365.5	737.5	756.9	502.4	87.3	90.6
87.5°	1.1	1.1	2.2	3.2	5.4	8.6	32.3	15.1	9.7	15.1	17.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P417163

CATALOG NUMBER: LXF.LXT-PA1-90-740-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	4.3	4.3	4.3	3.2	3.2	2.2	0.0	0.0	1.1	1.1	1.1
5°	4.3	4.3	4.3	3.2	3.2	1.1	0.0	0.0	1.1	1.1	1.1
7.5°	4.3	4.3	4.3	3.2	2.2	1.1	0.0	0.0	1.1	1.1	1.1
10°	4.3	4.3	4.3	3.2	2.2	1.1	31.3	199.5	205.9	207.0	204.9
12.5°	27.0	28.0	15.1	3.2	2.2	185.4	184.4	154.2	134.8	127.2	117.5
15°	585.5	556.3	460.4	271.7	149.9	152.0	112.1	83.0	66.8	62.5	60.4
17.5°	580.1	538.0	423.7	248.0	260.9	114.3	60.4	66.8	87.3	88.4	88.4
20°	1090.1	956.4	414.0	277.1	175.7	99.2	78.7	83.0	83.0	84.1	83.0
22.5°	1136.4	1002.7	620.0	353.6	126.1	104.6	89.5	77.6	79.8	103.5	100.3
25°	1146.1	983.3	574.7	277.1	121.8	104.6	98.1	94.9	106.7	106.7	107.8
27.5°	1651.8	1382.2	696.5	208.1	120.8	108.9	108.9	99.2	96.0	94.9	96.0
30°	1648.6	1334.8	594.1	175.7	116.4	107.8	98.1	88.4	106.7	107.8	107.8
32.5°	2163.9	1706.8	574.7	142.3	116.4	99.2	86.3	91.6	85.2	85.2	85.2
35°	2194.1	1663.7	452.8	147.7	103.5	90.6	84.1	71.2	75.5	76.6	74.4
37.5°	2252.4	1633.5	343.9	133.7	103.5	84.1	69.0	63.6	59.3	58.2	58.2
40°	2356.9	1635.6	265.2	122.9	97.0	76.6	61.5	51.8	53.9	53.9	52.8
42.5°	2513.3	1666.9	208.1	113.2	87.3	67.9	51.8	46.4	43.1	43.1	42.0
45°	2720.3	1733.7	170.4	105.7	79.8	58.2	42.0	37.7	34.5	34.5	33.4
47.5°	2976.9	1827.5	148.8	98.1	71.2	48.5	34.5	30.2	28.0	27.0	27.0
50°	3250.8	1939.7	136.9	91.6	61.5	38.8	28.0	23.7	21.6	21.6	20.5
52.5°	3534.3	2068.0	127.2	87.3	52.8	32.3	21.6	17.3	16.2	15.1	16.2
55°	3764.0	2145.6	120.8	86.3	44.2	25.9	16.2	12.9	11.9	10.8	10.8
57.5°	3914.9	2187.7	112.1	79.8	35.6	19.4	11.9	8.6	7.5	7.5	7.5
60°	4033.5	2211.4	101.4	63.6	28.0	14.0	7.5	5.4	5.4	5.4	5.4
62.5°	4127.3	2227.6	85.2	49.6	21.6	9.7	5.4	3.2	3.2	3.2	3.2
65°	4405.5	2322.4	65.8	37.7	16.2	6.5	3.2	2.2	1.1	2.2	2.2
67.5°	4744.1	2362.3	48.5	27.0	11.9	4.3	2.2	1.1	1.1	1.1	2.2
70°	4610.4	2058.3	35.6	19.4	8.6	3.2	2.2	1.1	1.1	1.1	2.2
72.5°	3874.0	1504.1	25.9	14.0	6.5	3.2	2.2	1.1	1.1	2.2	2.2
75°	2786.1	848.5	20.5	9.7	5.4	3.2	2.2	2.2	2.2	3.2	3.2
77.5°	1311.1	315.9	20.5	8.6	5.4	3.2	2.2	2.2	3.2	4.3	2.2
80°	318.1	78.7	20.5	7.5	5.4	3.2	3.2	3.2	4.3	4.3	2.2
82.5°	106.7	33.4	15.1	6.5	5.4	3.2	3.2	4.3	4.3	5.4	3.2
85°	64.7	21.6	10.8	7.5	6.5	3.2	4.3	4.3	5.4	6.5	3.2
87.5°	10.8	8.6	7.5	7.5	6.5	4.3	4.3	5.4	5.4	6.5	4.3
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)