

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: P417224

Luminaire Tested: **LXF.LXT-PA1-90-750-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-750-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7826 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B1 - U0 - G2

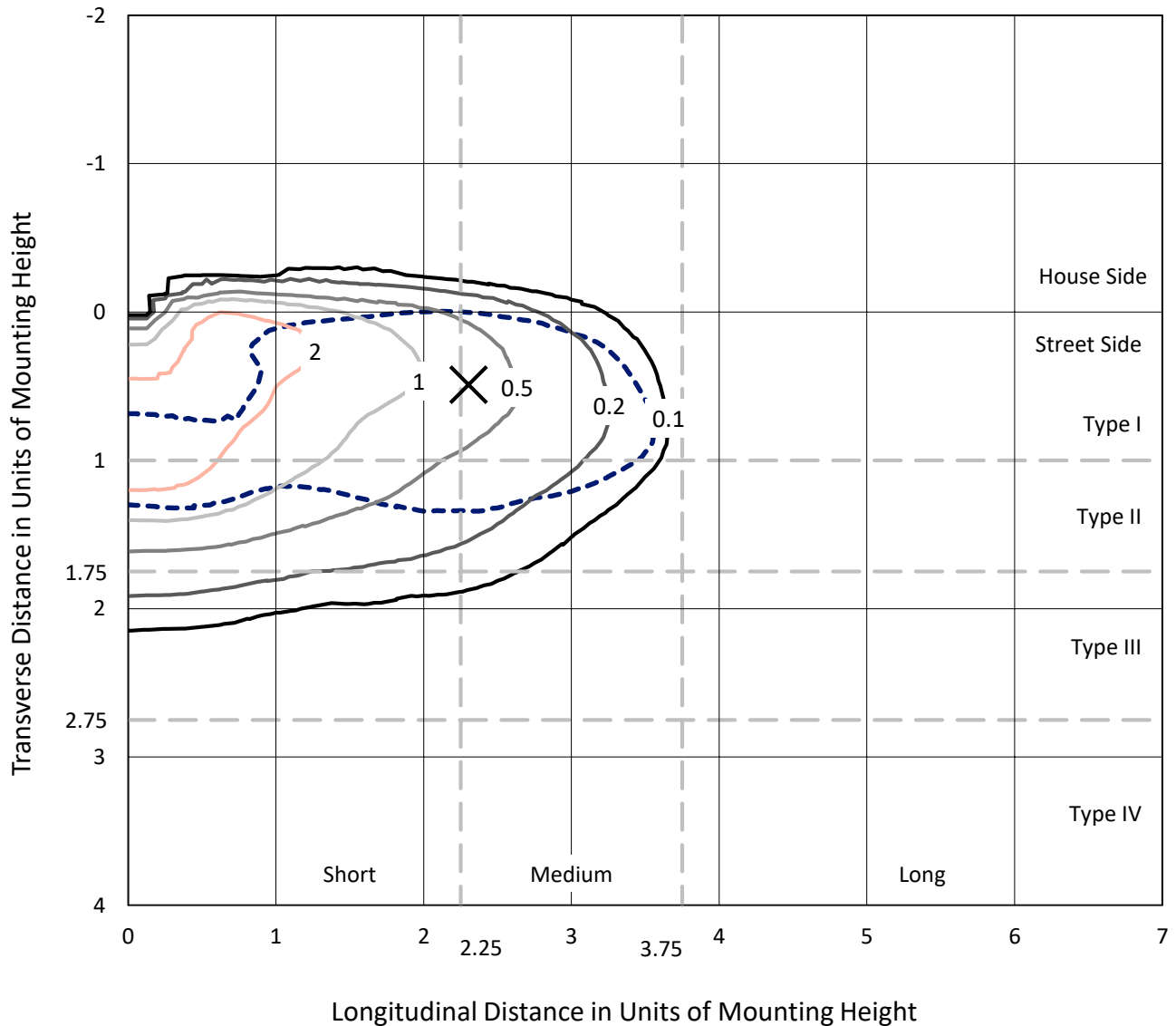
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P417224
 CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

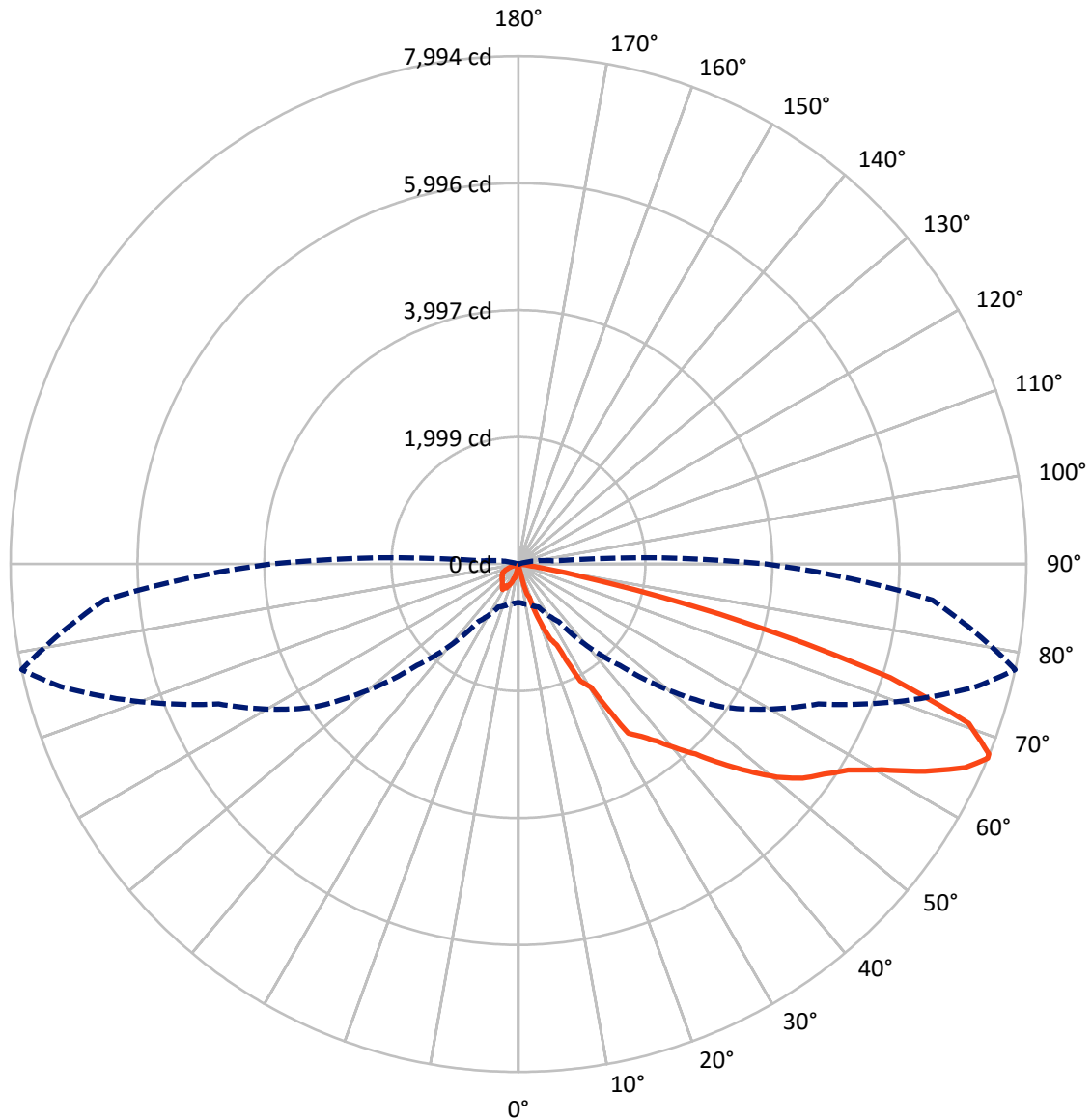
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Medium - Full Cutoff

REPORT NUMBER: P417224
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P417224

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2R-HSS

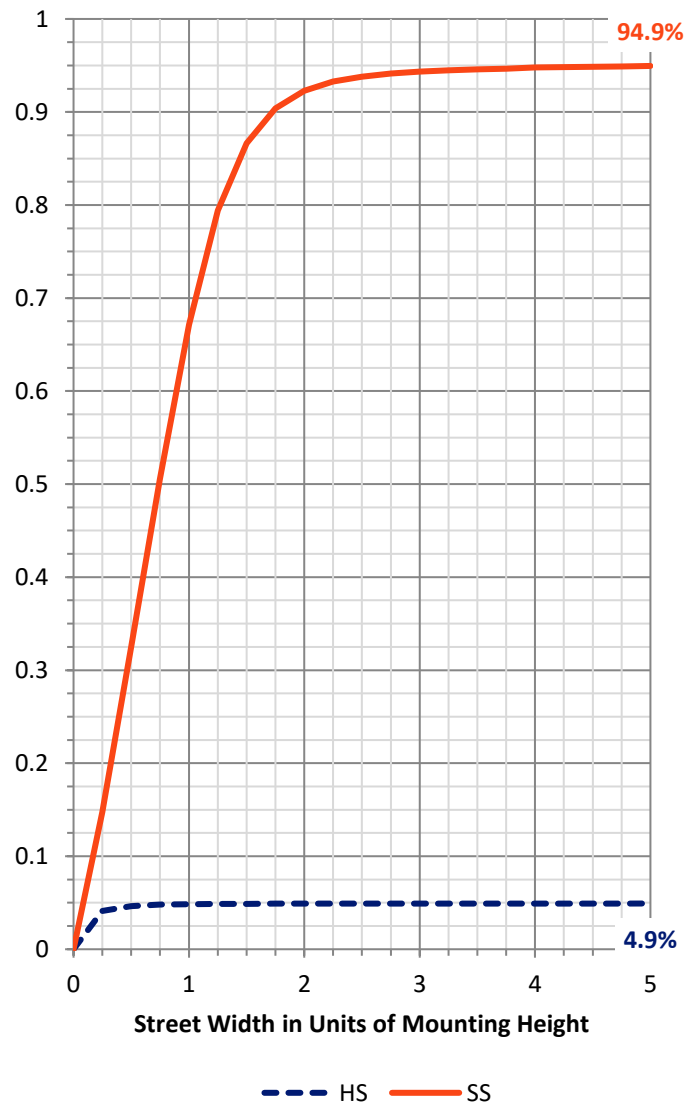
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	387.5	0.0	387.5
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	7438.5	0.0	7438.5
	% Fixture	95.0	0.0	95.0
Total	Lumens	7826.0	0.0	7826.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.1
10°-20°	106.6	1.4
20°-30°	424.9	5.4
30°-40°	1081.0	13.8
40°-50°	1769.9	22.6
50°-60°	1995.8	25.5
60°-70°	1721.0	22.0
70°-80°	692.3	8.8
80°-90°	27.1	0.3
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°	7826.0	100.0
0°-180°	7826.0	100.0

Coefficient of Utilization



REPORT NUMBER: P417224

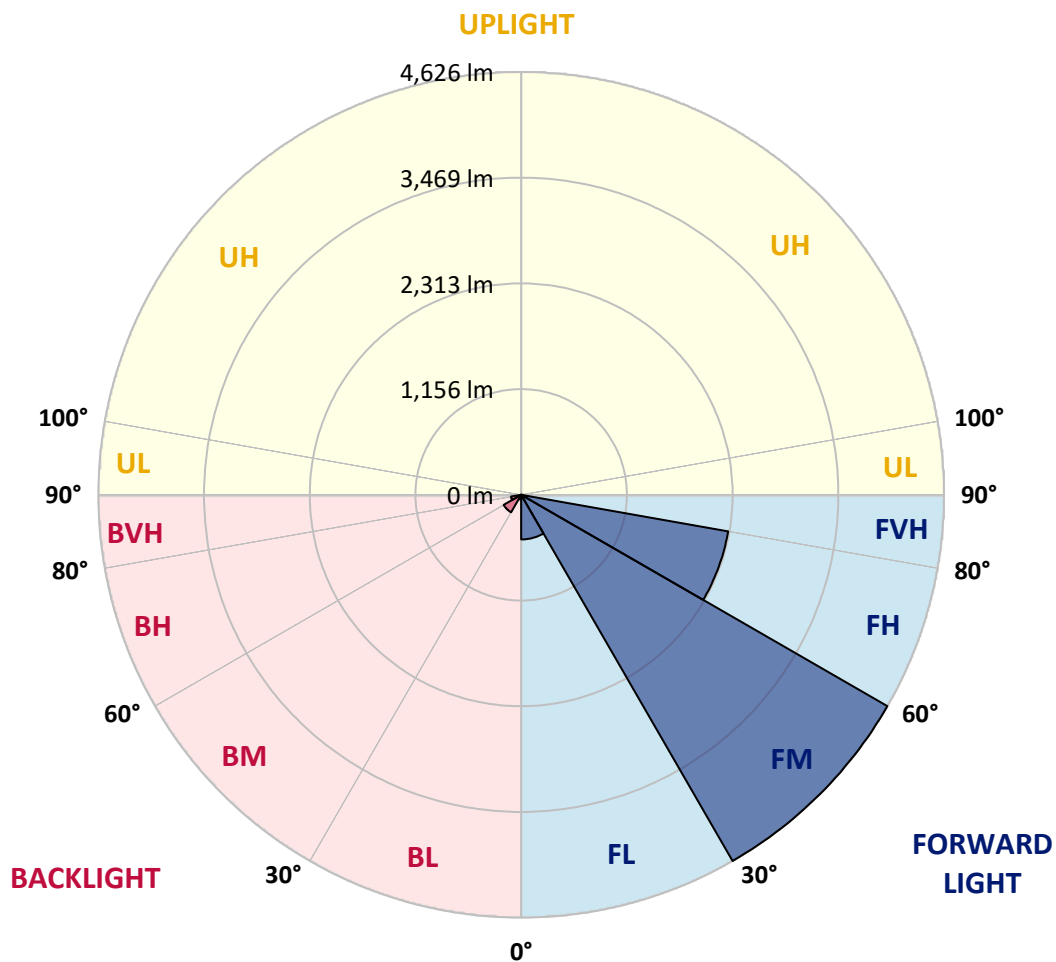
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	488.1	6.2			
FM	(30°-60°)	4626.0	59.1			
FH	(60°-80°)	2300.0	29.4			G2/5000
FVH	(80°-90°)	24.4	0.3			G1/100
BL	(0°-30°)	50.9	0.6	B0/110		
BM	(30°-60°)	220.6	2.8	B1/1000		
BH	(60°-80°)	113.3	1.4	B1/500		G1/500
BVH	(80°-90°)	2.8	0.0			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 II Medium





REPORT NUMBER: P417224

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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°	1.1	1.1	2.2	2.2	4.3	4.3	3.2	3.2	3.2	3.2	3.2
5°	327.7	256.6	182.2	52.8	20.5	9.7	4.3	3.2	3.2	3.2	2.2
7.5°	365.5	362.2	357.9	355.8	349.3	338.5	23.7	4.3	3.2	3.2	3.2
10°	391.4	384.9	383.8	382.7	378.4	369.8	353.6	20.5	3.2	3.2	3.2
12.5°	785.9	782.7	769.8	450.6	405.4	396.7	382.7	274.9	21.6	181.1	196.2
15°	776.2	774.1	782.7	800.0	816.1	435.6	622.1	784.9	481.9	461.4	480.8
17.5°	803.2	802.1	788.1	802.1	826.9	964.9	888.4	856.0	534.7	558.5	513.2
20°	1203.2	1201.0	1212.9	1140.6	858.2	1202.1	1115.8	927.2	1050.1	964.9	969.2
22.5°	1263.5	1267.9	1264.6	1289.4	1489.9	1242.0	1388.6	1441.4	1458.7	1277.6	1102.9
25°	1854.3	1827.4	1771.3	1369.2	1606.4	1540.6	1763.8	1557.9	1568.6	1413.4	1413.4
27.5°	2077.5	2077.5	2031.2	1978.3	1704.5	1978.3	1856.5	2046.3	2231.7	2085.1	1770.3
30°	2819.3	2797.7	2329.8	2263.0	2121.7	2093.7	2241.4	2402.0	2320.1	2251.1	1991.3
32.5°	3351.8	3354.0	3235.4	2873.2	2522.8	2335.2	2596.1	2650.0	3093.1	3174.0	2699.6
35°	4276.9	4223.0	3642.9	3314.1	2969.1	2844.1	2831.1	3103.9	3358.3	3330.3	2926.0
37.5°	4864.4	4826.7	4546.4	3807.9	3365.9	3085.5	3253.7	3266.7	3678.5	3537.3	3196.6
40°	5134.0	5116.7	4879.5	4252.1	3714.1	3415.5	3469.4	3511.4	3999.8	3805.7	3424.1
42.5°	5351.7	5335.6	5119.9	4475.2	4048.3	3731.3	3711.9	3719.5	4259.6	4089.3	3653.7
45°	5456.3	5446.6	5353.9	4672.5	4193.8	3936.2	3976.1	3927.6	4486.0	4475.2	3908.1
47.5°	5355.0	5360.4	5386.2	4847.2	4300.6	4097.9	4232.7	4155.0	4755.5	4868.7	4194.9
50°	4998.1	4996.0	5143.7	4873.1	4362.0	4227.3	4459.1	4369.6	5075.7	5272.0	4453.7
52.5°	3899.5	4042.9	4577.7	4594.9	4348.0	4292.0	4629.4	4616.5	5377.6	5599.7	4712.4
55°	2934.6	2992.8	3500.6	3985.8	4166.9	4284.4	4689.8	4782.5	5600.8	5839.0	4915.1
57.5°	2306.1	2286.7	2564.8	3212.8	3709.8	4157.2	4675.8	4847.2	5818.6	6119.3	5182.5
60°	1687.2	1704.5	1925.5	2329.8	3051.0	3868.3	4632.6	4951.8	6163.6	6572.2	5580.3
62.5°	1223.7	1223.7	1375.7	1622.6	2337.3	3404.7	4538.8	5098.4	6703.7	7186.7	6053.6
65°	823.7	818.3	931.5	1057.6	1601.0	2817.1	4286.6	5235.3	7221.2	7726.8	6460.0
67°	605.9	617.8	664.1	747.1	1107.2	2256.5	3926.5	5208.3	7459.4	7994.2	6539.8
67.5°	567.1	572.5	636.1	709.4	1021.0	2107.7	3824.1	5176.0	7485.3	7987.7	6498.8
70°	411.8	420.5	455.0	476.5	617.8	1390.8	3052.1	4667.1	7108.0	7519.8	5909.1
72.5°	221.0	239.3	331.0	328.8	383.8	848.5	2075.4	3464.0	5842.3	6121.5	4535.6
75°	172.5	174.7	197.3	243.7	248.0	472.2	998.3	2012.8	3695.8	3716.2	2518.5
77.5°	126.1	131.5	145.5	154.2	161.7	268.4	349.3	800.0	1636.6	1429.6	943.3
80°	85.2	88.4	96.0	114.3	132.6	152.0	113.2	213.5	384.9	298.6	141.2
82.5°	36.7	35.6	66.8	96.0	94.9	62.5	57.1	66.8	76.5	70.1	43.1
85°	2.2	3.2	34.5	46.4	39.9	27.0	35.6	28.0	29.1	28.0	21.6
87.5°	1.1	1.1	3.2	4.3	5.4	5.4	6.5	6.5	8.6	9.7	8.6
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: P417224

CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2R-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°	3.2	3.2	3.2	3.2	3.2	1.1	1.1	0.0	0.0	0.0	0.0
5°	3.2	3.2	3.2	3.2	3.2	1.1	0.0	0.0	0.0	0.0	0.0
7.5°	3.2	3.2	3.2	3.2	3.2	1.1	0.0	11.9	32.3	34.5	33.4
10°	3.2	3.2	3.2	3.2	2.2	28.0	38.8	36.7	35.6	34.5	34.5
12.5°	196.2	166.0	30.2	6.5	28.0	35.6	31.3	31.3	30.2	30.2	30.2
15°	429.1	360.1	169.3	57.1	44.2	30.2	28.0	28.0	46.4	50.7	49.6
17.5°	449.6	363.3	166.0	77.6	63.6	38.8	38.8	49.6	48.5	46.4	46.4
20°	854.9	560.6	191.9	76.5	58.2	61.5	46.4	43.1	41.0	38.8	38.8
22.5°	914.2	658.7	205.9	97.0	62.5	61.5	47.4	39.9	50.7	49.6	49.6
25°	1180.5	795.6	186.5	90.6	80.9	56.1	50.7	44.2	43.1	41.0	41.0
27.5°	1463.0	941.2	205.9	93.8	73.3	55.0	47.4	38.8	41.0	45.3	45.3
30°	1604.2	942.3	162.8	96.0	70.1	56.1	42.0	43.1	41.0	39.9	38.8
32.5°	2153.0	1209.6	156.3	91.6	65.8	48.5	43.1	37.7	34.5	37.7	37.7
35°	2250.0	1167.6	135.8	92.7	59.3	44.2	36.7	34.5	34.5	33.4	33.4
37.5°	2356.7	1122.3	119.7	81.9	57.1	39.9	31.3	31.3	30.2	32.3	32.3
40°	2474.3	1074.9	106.7	71.2	48.5	33.4	28.0	27.0	28.0	28.0	27.0
42.5°	2611.2	1028.5	96.0	62.5	41.0	28.0	22.6	22.6	22.6	21.6	21.6
45°	2757.8	991.9	88.4	53.9	34.5	23.7	18.3	17.2	16.2	16.2	16.2
47.5°	2931.4	976.8	81.9	45.3	29.1	18.3	14.0	12.9	11.9	10.8	10.8
50°	3076.9	970.3	72.2	37.7	24.8	15.1	9.7	8.6	7.5	6.5	6.5
52.5°	3205.2	942.3	62.5	30.2	19.4	10.8	6.5	4.3	3.2	3.2	3.2
55°	3332.4	916.4	53.9	25.9	14.0	6.5	3.2	1.1	1.1	2.2	2.2
57.5°	3489.8	887.3	46.4	21.6	10.8	4.3	2.2	0.0	1.1	1.1	2.2
60°	3736.7	857.1	41.0	18.3	7.5	3.2	1.1	0.0	0.0	1.1	1.1
62.5°	3957.7	804.3	35.6	16.2	6.5	3.2	1.1	0.0	0.0	0.0	1.1
65°	4053.7	695.4	31.3	14.0	6.5	3.2	1.1	0.0	0.0	0.0	0.0
67°	3893.1	562.8	28.0	12.9	5.4	2.2	1.1	0.0	0.0	0.0	0.0
67.5°	3817.6	525.0	28.0	11.9	5.4	2.2	1.1	1.1	0.0	0.0	0.0
70°	3240.8	348.2	24.8	10.8	5.4	2.2	2.2	1.1	0.0	0.0	0.0
72.5°	2487.2	202.7	21.6	9.7	5.4	2.2	2.2	1.1	1.1	0.0	0.0
75°	1390.8	102.4	17.2	9.7	5.4	3.2	3.2	2.2	2.2	2.2	0.0
77.5°	445.3	56.1	12.9	8.6	5.4	3.2	3.2	2.2	3.2	3.2	1.1
80°	70.1	29.1	9.7	6.5	5.4	2.2	3.2	3.2	4.3	4.3	1.1
82.5°	25.9	16.2	7.5	6.5	5.4	2.2	3.2	3.2	4.3	5.4	0.0
85°	11.9	9.7	7.5	6.5	5.4	2.2	3.2	3.2	4.3	5.4	0.0
87.5°	5.4	7.5	6.5	6.5	5.4	2.2	3.2	3.2	4.3	4.3	0.0
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)