

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: P417111

Luminaire Tested: **LXF.LXT-PA1-90-730-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417111  
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-PA1-90-730-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 7564 lumens  
Efficiency: N/A  
Efficacy: 80.5 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 (A<sub>in</sub>): 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

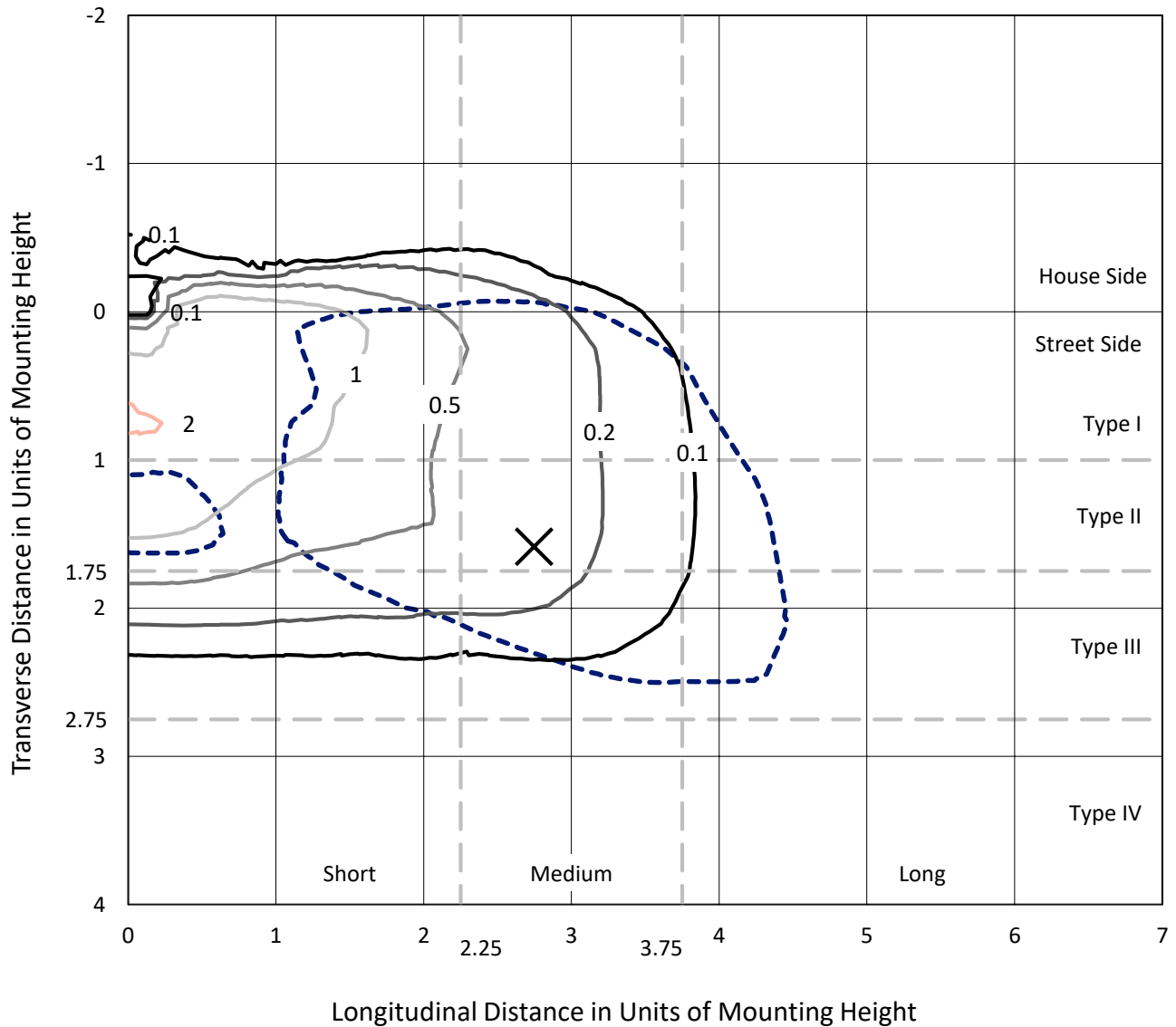


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

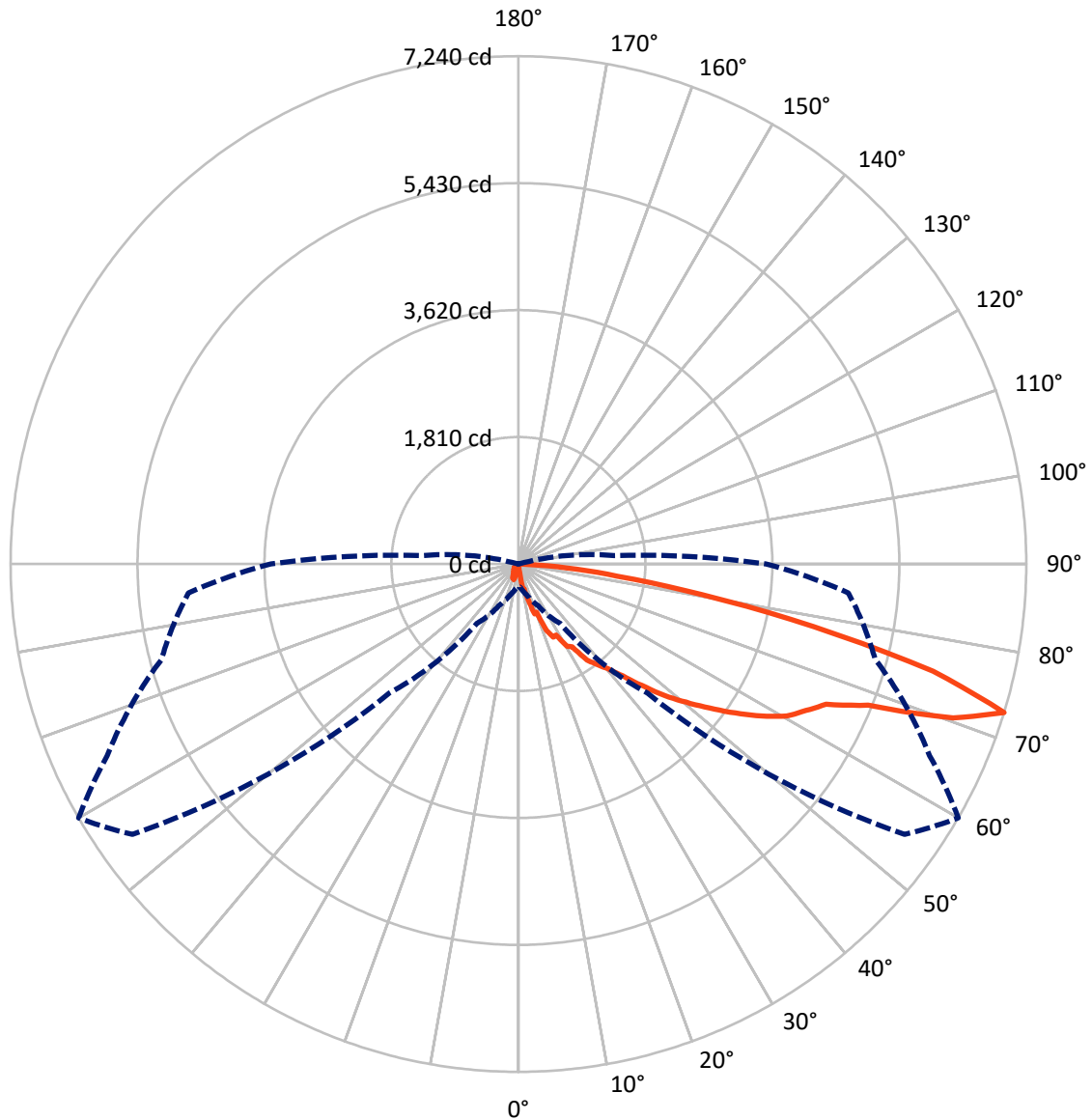


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type III - Medium - Non-Cutoff

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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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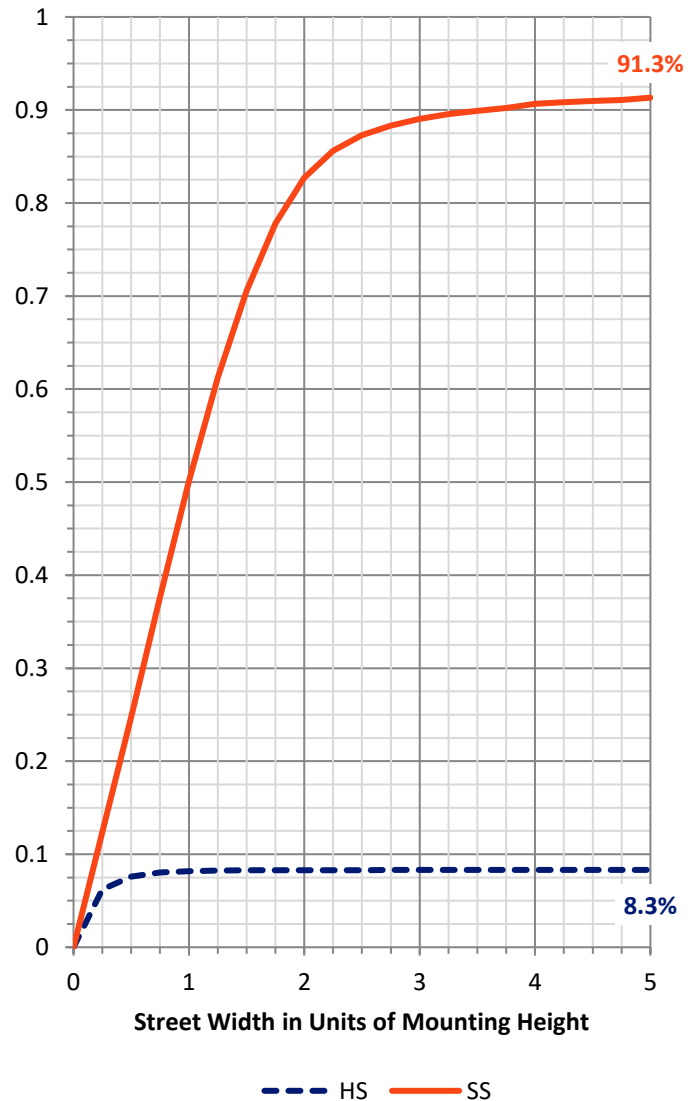
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	634.4	0.0	634.4
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	6929.6	0.0	6929.6
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	7564.0	0.0	7564.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.1	0.1
10°-20°	105.4	1.4
20°-30°	329.4	4.4
30°-40°	710.3	9.4
40°-50°	1207.7	16.0
50°-60°	1785.4	23.6
60°-70°	1942.1	25.7
70°-80°	1323.5	17.5
80°-90°	150.1	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°	7564.0	100.0
0°-180°	7564.0	100.0



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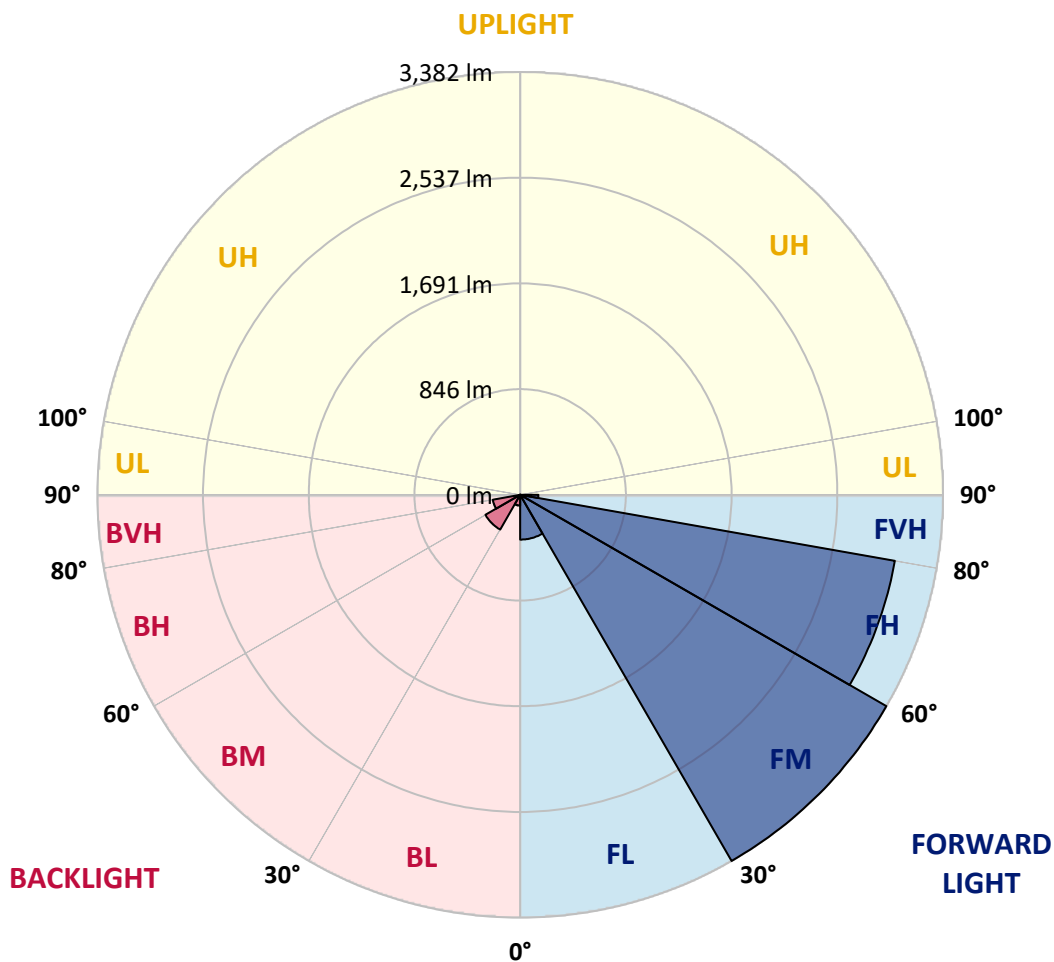
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.2	4.7			
FM	(30°-60°)	3382.5	44.7			
FH	(60°-80°)	3043.3	40.2			G2/5000
FVH	(80°-90°)	145.6	1.9			G2/225
BL	(0°-30°)	86.7	1.1	B0/110		
BM	(30°-60°)	320.8	4.2	B1/1000		
BH	(60°-80°)	222.3	2.9	B1/500		G1/500
BVH	(80°-90°)	4.5	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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	6.9	4.9	4.9	3.9	2.9	2.9	2.9	3.9	3.9	2.9	3.9
5°	386.9	382.0	382.0	384.0	249.4	42.2	23.6	9.8	3.9	3.9	3.9
7.5°	367.3	363.3	365.3	370.2	373.2	378.1	378.1	115.9	37.3	3.9	3.9
10°	376.1	373.2	357.4	354.5	360.4	365.3	367.3	376.1	365.3	10.8	3.9
12.5°	661.9	657.0	657.0	665.8	386.9	353.5	357.4	366.3	316.2	41.2	22.6
15°	633.4	629.5	630.4	641.2	656.0	465.5	367.3	544.0	698.2	630.4	500.8
17.5°	883.8	761.0	657.9	626.5	629.5	650.1	711.9	748.3	710.0	717.8	546.0
20°	902.5	895.6	891.7	898.5	644.2	857.3	905.4	734.5	714.9	768.9	1007.5
22.5°	933.9	918.2	886.7	882.8	991.8	844.5	876.9	1027.2	1054.7	1126.3	1048.8
25°	1264.8	1253.0	1220.6	929.0	1017.3	970.2	1105.7	1155.8	1139.1	1186.3	1137.2
27.5°	1389.5	1366.9	1297.2	1205.9	1080.2	1144.0	1118.5	1146.0	1257.9	1634.0	1603.6
30°	1947.3	1887.4	1694.9	1388.5	1284.5	1191.2	1301.1	1359.1	1453.4	1672.3	1643.9
32.5°	2116.2	2052.4	1912.9	1767.6	1522.1	1350.2	1431.7	1406.2	1474.0	2040.6	2158.4
35°	2608.2	2578.7	2327.3	1923.7	1860.9	1592.8	1503.4	1679.2	1779.4	2069.1	2268.4
37.5°	2614.1	2616.0	2601.3	2328.3	2040.6	1790.2	1806.9	1813.7	1891.3	2204.6	2396.1
40°	2697.5	2711.3	2747.6	2541.4	2298.9	2075.9	2031.7	1963.0	2031.7	2356.8	2570.9
42.5°	2872.3	2882.2	2962.7	2747.6	2503.1	2298.9	2321.4	2181.0	2231.1	2644.5	2808.5
45°	3179.7	3173.8	3275.0	2964.6	2693.6	2553.2	2578.7	2470.7	2440.3	2880.2	3087.4
47.5°	3527.3	3548.9	3545.0	3204.3	2883.1	2789.8	2863.5	2805.6	2685.8	3180.7	3412.4
50°	3856.3	3849.4	3747.3	3339.8	3052.0	3021.6	3191.5	3096.2	2987.2	3486.1	3725.7
52.5°	3976.1	3982.0	3860.2	3421.3	3196.4	3251.4	3505.7	3409.5	3268.1	3704.1	4037.0
55°	3954.5	3962.4	3893.6	3504.7	3304.4	3466.4	3831.7	3749.3	3590.2	3940.7	4270.7
57.5°	3752.2	3752.2	3808.2	3556.8	3409.5	3658.9	4122.4	4089.0	3892.6	4137.1	4410.1
60°	3235.7	3290.7	3466.4	3493.9	3533.2	3867.1	4410.1	4399.3	4160.7	4320.8	4492.6
62.5°	2488.4	2506.1	2894.9	3189.5	3543.0	4147.0	4652.7	4600.6	4359.1	4376.8	4550.6
65°	1411.1	1491.7	1851.1	2595.4	3341.7	4439.6	5042.5	4819.6	4532.9	4443.5	4763.7
67.5°	760.1	789.5	989.9	1571.2	2738.8	4472.0	5926.3	5375.4	4945.3	4795.1	5181.0
70°	491.0	522.4	630.4	863.2	1717.5	3954.5	6758.1	6572.5	5796.7	5276.3	5244.8
72.5°	319.1	337.8	454.7	650.1	1033.1	2605.2	6719.8	7240.3	6469.4	5267.4	4721.4
75°	129.6	142.4	227.8	541.1	873.0	1276.6	5155.5	6105.1	6073.6	4681.2	3654.0
77.5°	64.8	68.7	101.1	292.6	774.8	883.8	3262.2	4306.0	4323.7	3412.4	2031.7
80°	42.2	41.2	57.9	137.5	528.3	804.3	1824.5	2645.5	2473.6	1294.3	569.6
82.5°	16.7	17.7	31.4	78.6	220.9	727.7	1040.9	1423.9	1113.6	252.4	164.0
85°	2.9	2.9	9.8	42.2	69.7	332.9	671.7	689.4	457.6	79.5	82.5
87.5°	1.0	1.0	2.0	2.9	4.9	7.9	29.5	13.7	8.8	13.7	15.7
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	3.9	3.9	3.9	2.9	2.9	2.0	0.0	0.0	1.0	1.0	1.0
5°	3.9	3.9	3.9	2.9	2.9	1.0	0.0	0.0	1.0	1.0	1.0
7.5°	3.9	3.9	3.9	2.9	2.0	1.0	0.0	0.0	1.0	1.0	1.0
10°	3.9	3.9	3.9	2.9	2.0	1.0	28.5	181.7	187.6	188.5	186.6
12.5°	24.5	25.5	13.7	2.9	2.0	168.9	167.9	140.4	122.7	115.9	107.0
15°	533.2	506.7	419.3	247.5	136.5	138.5	102.1	75.6	60.9	57.0	55.0
17.5°	528.3	490.0	385.9	225.9	237.6	104.1	55.0	60.9	79.5	80.5	80.5
20°	992.8	871.0	377.1	252.4	160.1	90.3	71.7	75.6	75.6	76.6	75.6
22.5°	1035.0	913.3	564.6	322.1	114.9	95.3	81.5	70.7	72.7	94.3	91.3
25°	1043.9	895.6	523.4	252.4	111.0	95.3	89.4	86.4	97.2	97.2	98.2
27.5°	1504.4	1258.9	634.4	189.5	110.0	99.2	99.2	90.3	87.4	86.4	87.4
30°	1501.5	1215.7	541.1	160.1	106.1	98.2	89.4	80.5	97.2	98.2	98.2
32.5°	1970.9	1554.5	523.4	129.6	106.1	90.3	78.6	83.5	77.6	77.6	77.6
35°	1998.4	1515.2	412.4	134.5	94.3	82.5	76.6	64.8	68.7	69.7	67.8
37.5°	2051.4	1487.7	313.3	121.8	94.3	76.6	62.8	57.9	54.0	53.0	53.0
40°	2146.6	1489.7	241.6	111.9	88.4	69.7	56.0	47.1	49.1	49.1	48.1
42.5°	2289.0	1518.2	189.5	103.1	79.5	61.9	47.1	42.2	39.3	39.3	38.3
45°	2477.6	1579.0	155.2	96.2	72.7	53.0	38.3	34.4	31.4	31.4	30.4
47.5°	2711.3	1664.5	135.5	89.4	64.8	44.2	31.4	27.5	25.5	24.5	24.5
50°	2960.7	1766.6	124.7	83.5	56.0	35.4	25.5	21.6	19.6	19.6	18.7
52.5°	3219.0	1883.5	115.9	79.5	48.1	29.5	19.6	15.7	14.7	13.7	14.7
55°	3428.1	1954.2	110.0	78.6	40.3	23.6	14.7	11.8	10.8	9.8	9.8
57.5°	3565.6	1992.5	102.1	72.7	32.4	17.7	10.8	7.9	6.9	6.9	6.9
60°	3673.6	2014.1	92.3	57.9	25.5	12.8	6.9	4.9	4.9	4.9	4.9
62.5°	3759.1	2028.8	77.6	45.2	19.6	8.8	4.9	2.9	2.9	2.9	2.9
65°	4012.4	2115.2	59.9	34.4	14.7	5.9	2.9	2.0	1.0	2.0	2.0
67.5°	4320.8	2151.6	44.2	24.5	10.8	3.9	2.0	1.0	1.0	1.0	2.0
70°	4199.0	1874.6	32.4	17.7	7.9	2.9	2.0	1.0	1.0	1.0	2.0
72.5°	3528.3	1369.9	23.6	12.8	5.9	2.9	2.0	1.0	1.0	2.0	2.0
75°	2537.5	772.8	18.7	8.8	4.9	2.9	2.0	2.0	2.0	2.9	2.9
77.5°	1194.1	287.7	18.7	7.9	4.9	2.9	2.0	2.0	2.9	3.9	2.0
80°	289.7	71.7	18.7	6.9	4.9	2.9	2.9	2.9	3.9	3.9	2.0
82.5°	97.2	30.4	13.7	5.9	4.9	2.9	2.9	3.9	3.9	4.9	2.9
85°	58.9	19.6	9.8	6.9	5.9	2.9	3.9	3.9	4.9	5.9	2.9
87.5°	9.8	7.9	6.9	6.9	5.9	3.9	3.9	4.9	4.9	5.9	3.9
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)