

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: P416263

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T4W-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416263  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-727-U-T4W-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5283 lumens  
Efficiency: N/A  
Efficacy: 71.4 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

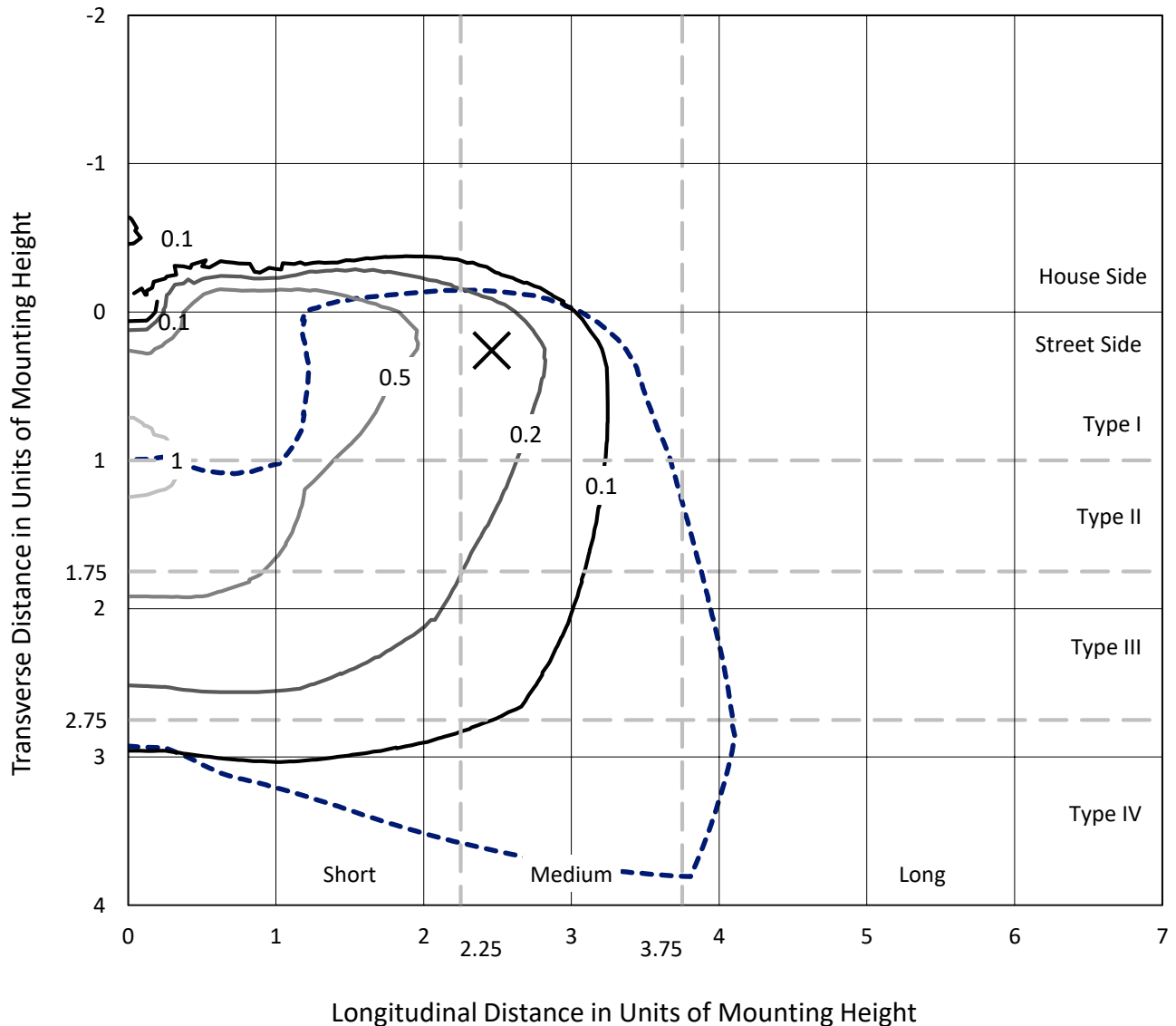
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

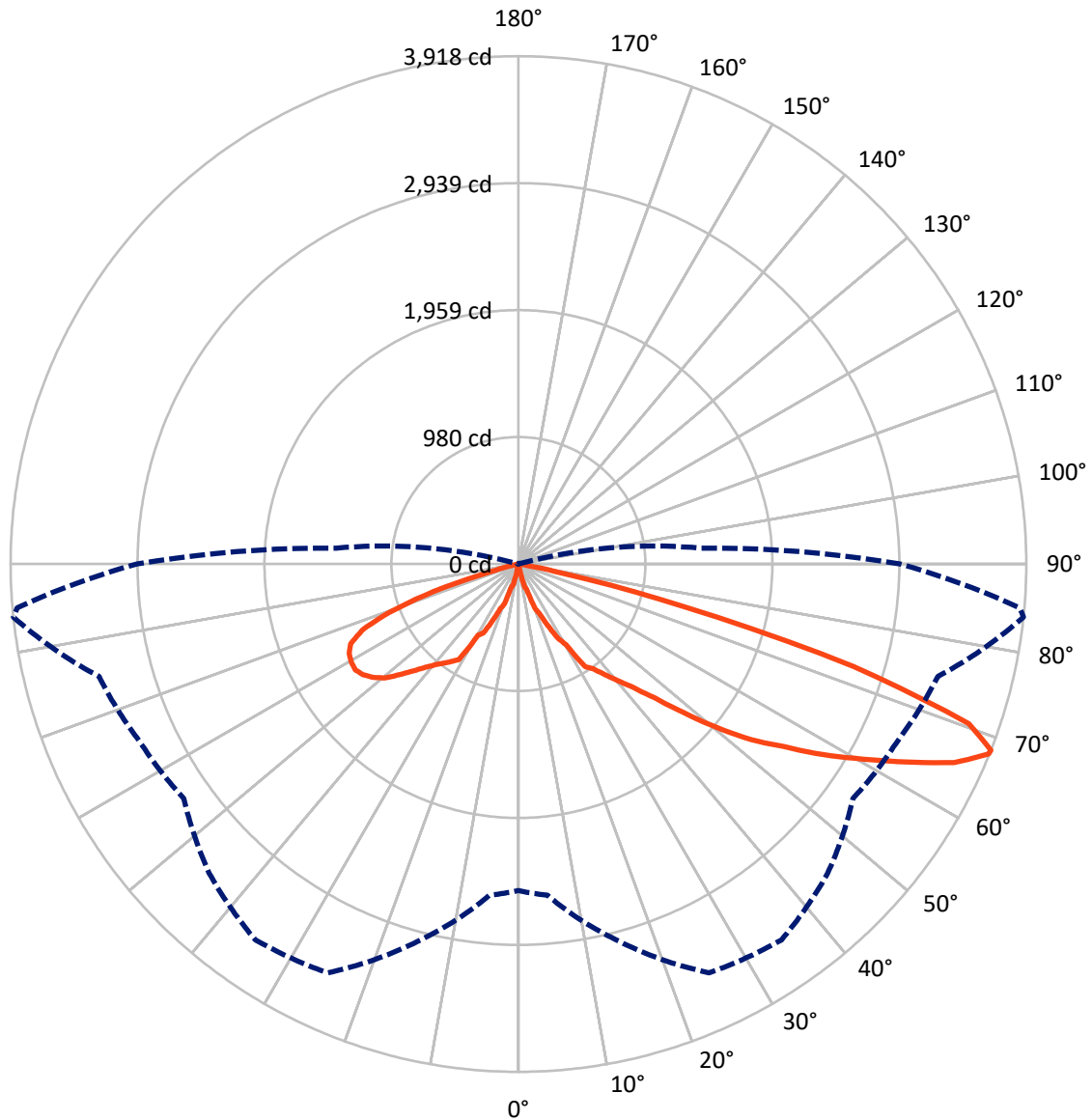
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral    - - - Horizontal Cone Through 68-Deg Vertical

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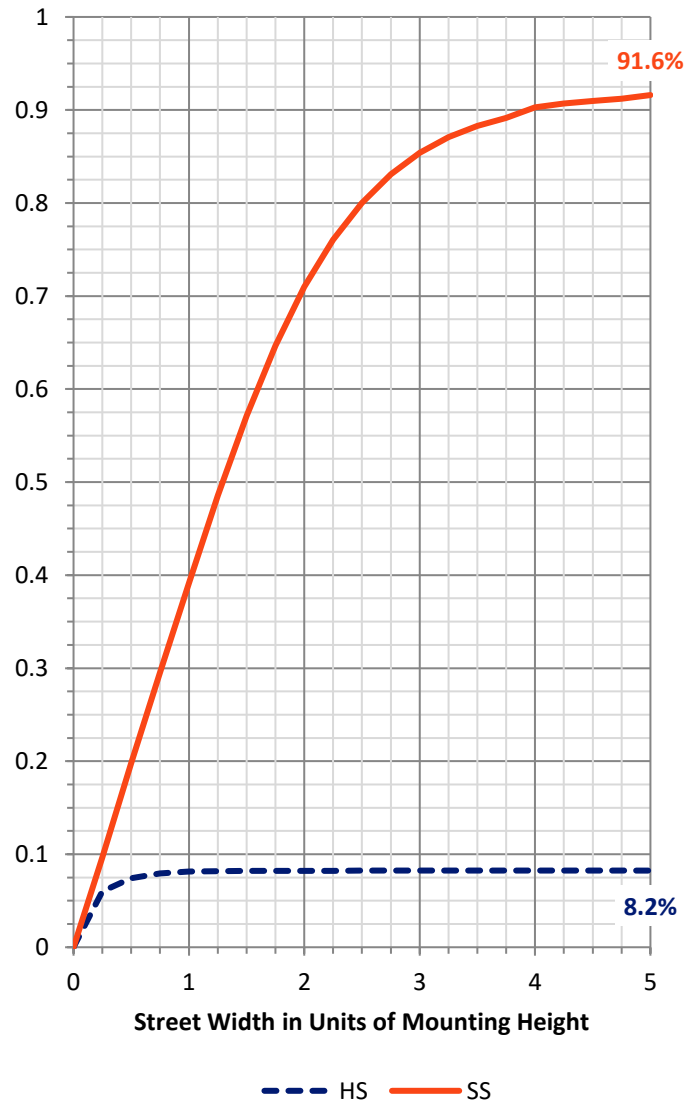
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	439.0	0.0	439.0
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	4844.0	0.0	4844.0
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	5283.0	0.0	5283.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	47.8	0.9
20°-30°	171.3	3.2
30°-40°	365.8	6.9
40°-50°	653.7	12.4
50°-60°	1159.8	22.0
60°-70°	1666.8	31.6
70°-80°	1122.1	21.2
80°-90°	92.2	1.7
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°	5283.0	100.0
0°-180°	5283.0	100.0



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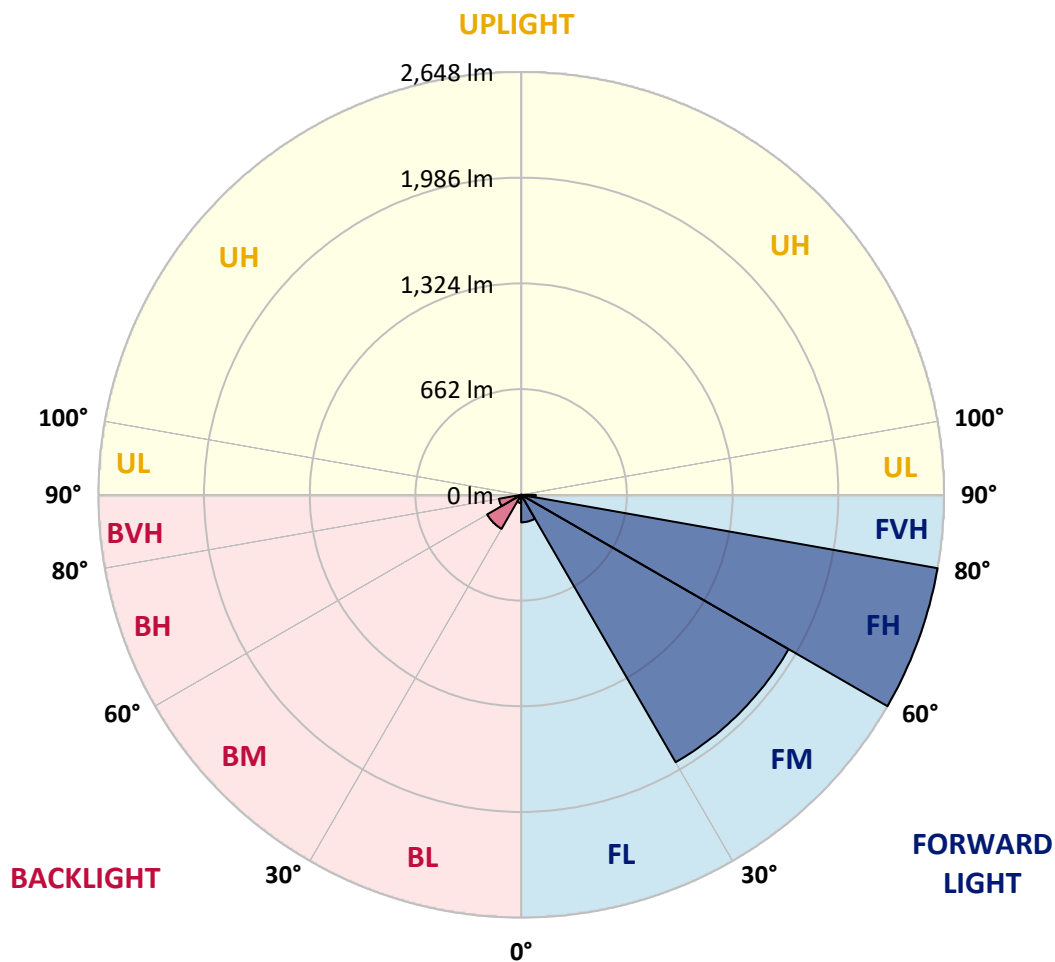
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	172.2	3.3			
FM	(30°-60°)	1933.4	36.6			
FH	(60°-80°)	2647.6	50.1			G2/5000
FVH	(80°-90°)	90.8	1.7			G1/100
BL	(0°-30°)	50.3	1.0	B0/110		
BM	(30°-60°)	246.0	4.7	B1/1000		
BH	(60°-80°)	141.3	2.7	B1/500		G1/500
BVH	(80°-90°)	1.4	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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.8	0.8	0.0	0.8	0.8	1.5	1.5	2.3	2.3	2.3	2.3
5°	40.6	34.4	33.7	29.8	21.4	5.4	1.5	2.3	2.3	2.3	2.3
7.5°	145.4	143.1	141.6	138.5	135.4	104.1	20.7	2.3	2.3	2.3	2.3
10°	156.1	153.0	150.7	146.9	142.3	137.0	130.8	16.8	2.3	2.3	2.3
12.5°	322.9	319.1	221.1	182.9	150.7	143.1	138.5	71.9	66.6	75.8	86.5
15°	339.7	336.7	328.3	317.5	285.4	161.4	217.3	270.1	176.0	187.5	187.5
17.5°	378.8	372.6	343.6	327.5	314.5	345.8	317.5	289.2	189.8	201.2	201.2
20°	530.3	528.7	520.3	363.4	330.5	437.7	345.8	308.4	350.4	365.7	348.1
22.5°	534.8	533.3	527.2	506.5	519.5	449.9	496.6	466.0	478.2	417.8	414.7
25°	709.3	703.2	563.2	515.7	586.1	479.8	590.7	514.2	505.0	521.8	521.8
27.5°	722.3	720.8	716.2	686.3	601.4	679.5	608.3	665.7	678.7	645.0	662.6
30°	822.5	772.0	745.3	727.7	708.5	713.1	710.1	765.9	707.0	720.8	713.1
32.5°	957.2	952.6	938.8	775.9	787.3	744.5	827.9	819.5	914.4	944.2	939.6
35°	1144.7	1071.2	981.7	897.5	817.2	884.5	855.4	953.4	977.1	990.9	1019.2
37.5°	1309.2	1285.5	1202.1	951.8	905.2	910.5	978.6	1021.5	1056.7	1081.2	1093.4
40°	1459.9	1442.3	1386.5	1112.5	952.6	988.6	1044.4	1068.2	1137.8	1182.9	1183.7
42.5°	1683.3	1694.0	1642.0	1257.9	1081.2	1098.0	1145.4	1149.3	1211.2	1301.5	1304.6
45°	1962.6	1948.1	1935.1	1469.1	1203.6	1192.9	1258.7	1249.5	1345.1	1472.2	1487.5
47.5°	2232.0	2211.3	2176.1	1712.4	1373.4	1299.2	1391.0	1398.7	1547.9	1710.1	1716.2
50°	2440.1	2432.4	2397.2	1995.5	1599.2	1446.1	1538.0	1628.2	1786.6	1981.7	1994.8
52.5°	2669.6	2652.0	2590.0	2261.0	1889.2	1667.3	1713.9	1872.3	2038.4	2252.6	2251.1
55°	2822.6	2824.9	2766.0	2531.9	2152.4	1917.5	1935.8	2179.2	2267.9	2486.7	2502.8
57.5°	3026.2	3009.3	3025.4	2850.2	2508.9	2171.5	2214.4	2424.8	2504.3	2774.4	2785.2
60°	3177.7	3183.8	3263.4	3144.0	2785.2	2430.1	2466.9	2625.2	2740.0	3056.0	3089.7
62.5°	3183.0	3215.9	3430.2	3438.6	3084.3	2710.2	2686.5	2830.3	2931.3	3362.1	3402.6
65°	2891.5	2911.4	3394.2	3516.6	3362.1	2984.9	2895.3	3003.2	3120.3	3693.4	3701.0
67.5°	2599.2	2605.3	3071.3	3493.7	3528.9	3314.6	3118.0	3192.2	3305.5	3911.5	3884.7
68°	2519.6	2565.6	3015.5	3480.7	3539.6	3374.3	3151.7	3228.2	3350.6	3918.3	3880.9
70°	2284.0	2333.0	2746.9	3335.3	3534.2	3599.3	3336.1	3346.8	3378.9	3687.3	3567.1
72.5°	1535.7	1568.6	2173.8	2838.7	3419.5	3861.0	3541.9	3276.4	3031.5	2703.3	2596.9
75°	590.7	594.5	1095.7	1951.1	2956.5	3730.1	3324.6	2762.2	2059.0	1316.1	1235.7
77.5°	220.4	216.5	317.5	904.4	1876.9	2898.4	2482.2	1693.3	857.7	345.1	337.4
80°	78.0	80.3	123.2	272.4	762.9	1693.3	1381.9	689.4	252.5	76.5	70.4
82.5°	30.6	32.9	62.7	129.3	327.5	710.8	589.9	293.1	147.7	29.1	27.5
85°	6.9	7.7	24.5	64.3	124.7	205.8	207.4	179.0	122.4	13.8	13.0
87.5°	0.8	1.5	6.9	8.4	9.9	5.4	17.6	18.4	33.7	5.4	5.4
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.3	2.3	2.3	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0
5°	2.3	2.3	2.3	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.3	2.3	2.3	1.5	0.8	0.8	0.0	67.3	69.6	71.9	72.7
10°	2.3	2.3	2.3	1.5	1.5	70.4	82.6	79.6	74.2	71.9	72.7
12.5°	83.4	81.1	26.0	5.4	64.3	77.3	63.5	52.8	47.4	43.6	43.6
15°	182.1	175.2	146.1	111.7	104.8	59.7	40.6	34.4	50.5	61.2	61.2
17.5°	193.6	185.2	163.7	162.2	106.4	52.0	42.1	54.3	57.4	60.4	60.4
20°	374.9	335.9	231.1	155.3	78.0	63.5	52.8	52.0	54.3	58.2	58.9
22.5°	401.7	382.6	290.8	188.2	71.2	68.9	61.2	58.2	78.0	84.9	84.9
25°	510.4	492.0	312.9	150.0	86.5	70.4	77.3	72.7	74.2	80.3	80.3
27.5°	652.7	619.0	410.9	126.3	80.3	76.5	78.8	72.7	85.7	101.8	101.8
30°	723.1	655.7	393.3	111.7	81.9	83.4	75.8	88.8	88.8	94.9	95.6
32.5°	964.9	918.2	443.0	94.1	81.9	76.5	82.6	84.2	82.6	107.1	107.9
35°	1026.8	971.0	379.5	97.9	78.0	74.2	74.2	83.4	88.8	94.1	94.9
37.5°	1102.6	1029.9	298.4	91.8	81.1	71.9	68.1	71.2	78.0	91.8	92.6
40°	1199.0	1094.2	229.5	86.5	75.8	65.8	62.0	65.0	65.0	68.9	69.6
42.5°	1329.1	1170.7	169.9	82.6	71.2	60.4	54.3	50.5	48.2	47.4	48.2
45°	1507.4	1268.6	127.0	78.8	68.1	53.6	45.1	36.7	30.6	30.6	31.4
47.5°	1719.3	1378.0	103.3	72.7	63.5	45.9	34.4	23.7	19.1	19.9	20.7
50°	1945.0	1493.6	90.3	67.3	58.2	37.5	23.0	14.5	12.2	13.0	13.8
52.5°	2153.9	1568.6	84.9	62.0	51.3	29.1	14.5	9.9	9.2	9.2	9.9
55°	2363.6	1625.2	80.3	56.6	41.3	19.1	8.4	7.7	7.7	6.9	6.9
57.5°	2558.7	1658.9	72.7	49.0	29.1	11.5	6.1	6.1	5.4	5.4	5.4
60°	2737.7	1655.0	58.2	36.7	18.4	6.9	4.6	4.6	3.8	3.8	3.8
62.5°	2920.6	1638.2	41.3	26.0	12.2	4.6	3.1	3.1	2.3	1.5	2.3
65°	3030.8	1590.8	27.5	18.4	7.7	3.1	2.3	1.5	0.8	0.0	0.8
67.5°	2984.9	1453.0	20.7	13.8	5.4	2.3	1.5	0.8	0.0	0.0	0.0
68°	2942.8	1409.4	19.1	13.0	4.6	2.3	1.5	0.8	0.0	0.0	0.0
70°	2611.5	1174.5	16.8	10.7	3.8	2.3	1.5	0.8	0.0	0.0	0.0
72.5°	1742.3	762.9	13.8	8.4	3.1	1.5	1.5	0.8	0.0	0.0	0.0
75°	803.4	244.8	10.7	6.9	2.3	1.5	1.5	0.8	0.0	0.0	0.0
77.5°	214.2	52.0	6.9	4.6	2.3	1.5	1.5	0.8	0.8	0.8	0.0
80°	51.3	16.1	4.6	3.8	2.3	1.5	1.5	0.8	0.8	0.8	0.0
82.5°	19.1	8.4	3.1	3.1	2.3	1.5	1.5	0.8	1.5	1.5	0.0
85°	8.4	5.4	3.1	3.1	2.3	1.5	1.5	1.5	1.5	2.3	0.0
87.5°	3.8	3.8	3.1	3.1	3.1	1.5	2.3	2.3	2.3	2.3	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)