

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: P413767

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413767
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-PA1-100-727-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA 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: 6305 lumens
Efficiency: N/A
Efficacy: 65.7 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): 96
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

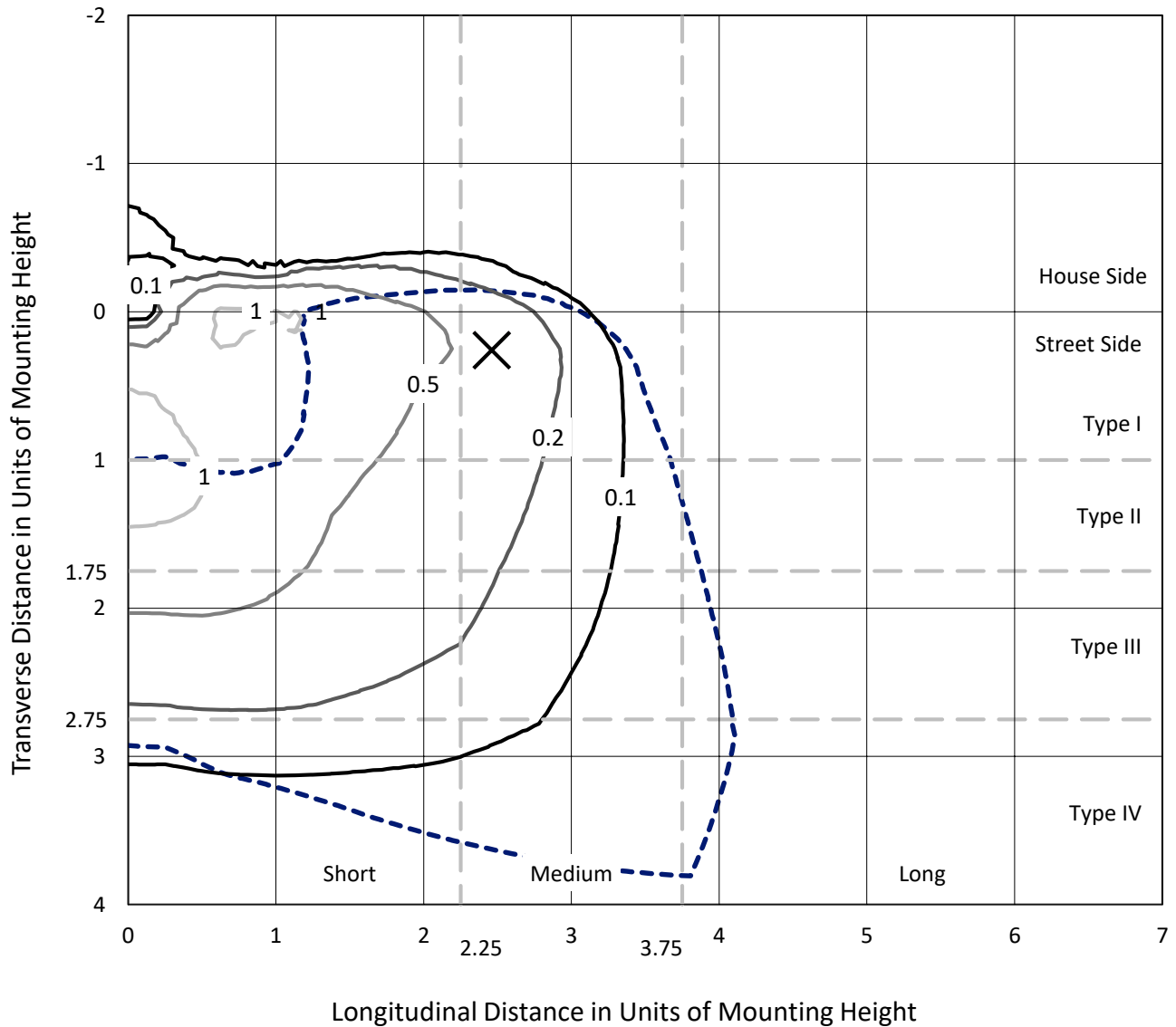


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

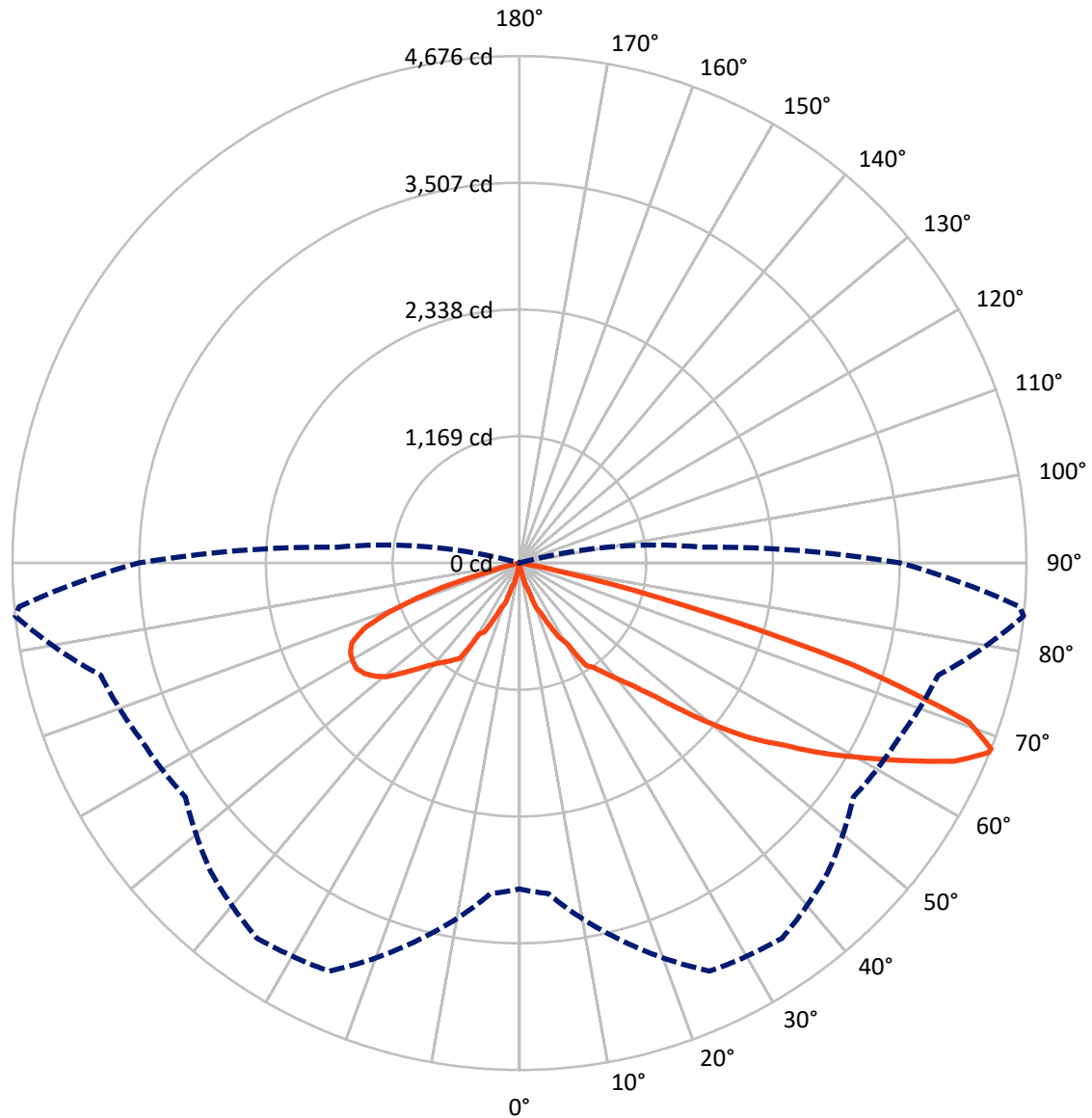


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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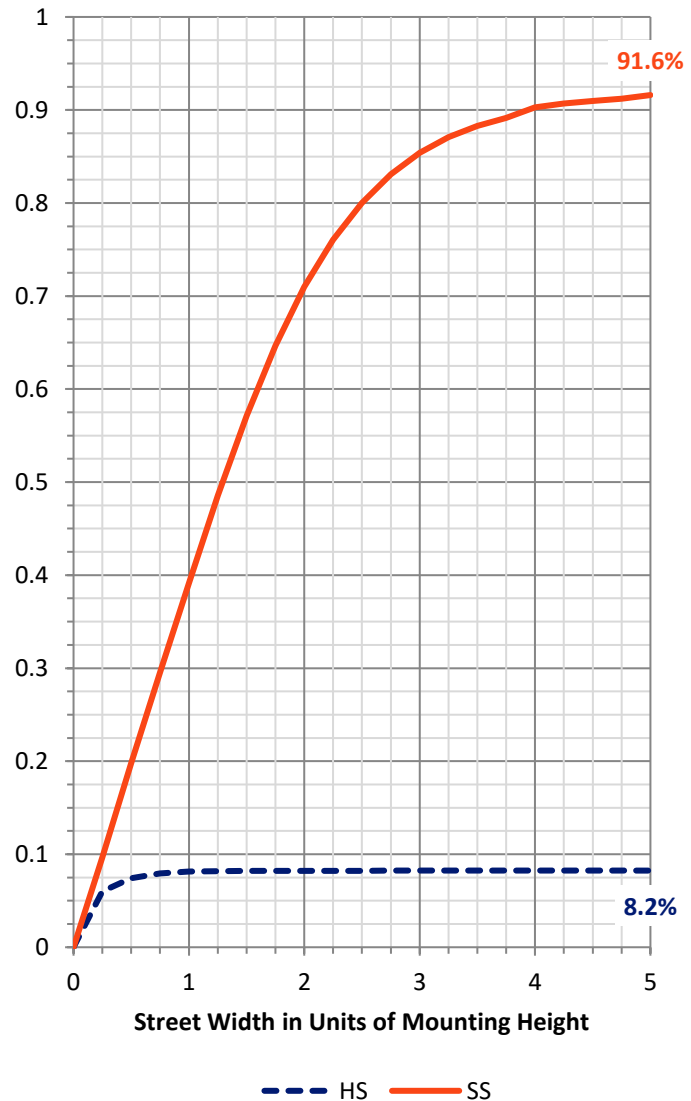
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	523.9	0.0	523.9
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	5781.1	0.0	5781.1
	% Fixture	91.7	0.0	91.7
Total	Lumens	6305.0	0.0	6305.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	57.1	0.9
20°-30°	204.4	3.2
30°-40°	436.6	6.9
40°-50°	780.2	12.4
50°-60°	1384.2	22.0
60°-70°	1989.3	31.6
70°-80°	1339.1	21.2
80°-90°	110.0	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°	6305.0	100.0
0°-180°	6305.0	100.0



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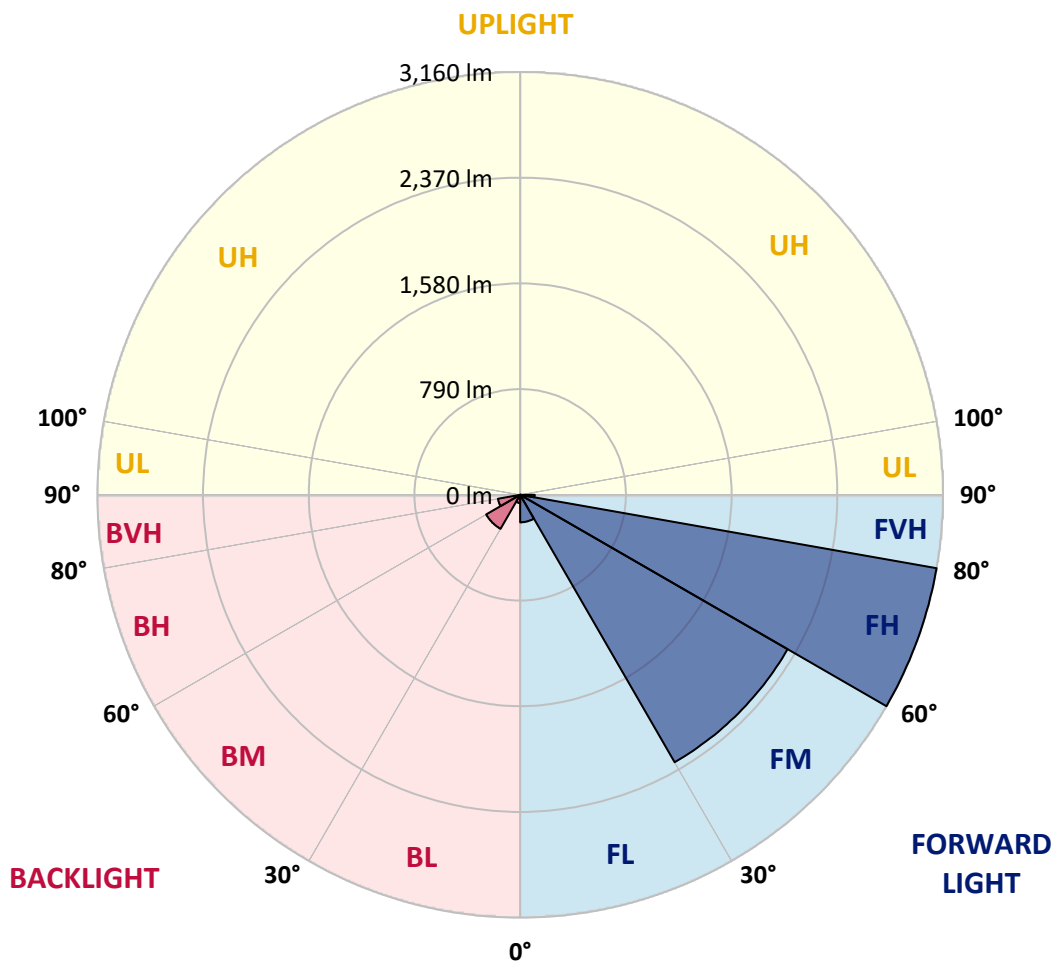
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.5	3.3			
FM (30°-60°)	2307.4	36.6			
FH (60°-80°)	3159.8	50.1			G2/5000
FVH (80°-90°)	108.4	1.7			G2/225
BL (0°-30°)	60.1	1.0	B0/110		
BM (30°-60°)	293.5	4.7	B1/1000		
BH (60°-80°)	168.6	2.7	B1/500		G1/500
BVH (80°-90°)	1.7	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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.9	0.9	0.0	0.9	0.9	1.8	1.8	2.7	2.7	2.7	2.7
5°	48.4	41.1	40.2	35.6	25.6	6.4	1.8	2.7	2.7	2.7	2.7
7.5°	173.5	170.8	168.9	165.3	161.6	124.2	24.7	2.7	2.7	2.7	2.7
10°	186.3	182.6	179.9	175.3	169.8	163.5	156.2	20.1	2.7	2.7	2.7
12.5°	385.4	380.8	263.9	218.2	179.9	170.8	165.3	85.8	79.4	90.4	103.2
15°	405.4	401.8	391.8	379.0	340.6	192.7	259.3	322.3	210.0	223.7	223.7
17.5°	452.0	444.7	410.0	390.8	375.3	412.8	379.0	345.2	226.5	240.2	240.2
20°	632.8	631.0	621.0	433.8	394.5	522.3	412.8	368.0	418.2	436.5	415.5
22.5°	638.3	636.5	629.2	604.5	620.0	536.9	592.6	556.1	570.7	498.6	494.9
25°	846.5	839.2	672.1	615.5	699.5	572.6	705.0	613.7	602.7	622.8	622.8
27.5°	862.0	860.2	854.7	819.1	717.8	810.9	726.0	794.5	810.0	769.8	790.8
30°	981.7	921.4	889.4	868.4	845.6	851.1	847.4	914.1	843.8	860.2	851.1
32.5°	1142.4	1136.9	1120.5	926.0	939.7	888.5	988.1	978.0	1091.2	1126.9	1121.4
35°	1366.1	1278.4	1171.6	1071.2	975.3	1055.6	1020.9	1137.8	1166.1	1182.6	1216.3
37.5°	1562.4	1534.1	1434.6	1136.0	1080.3	1086.7	1167.9	1219.1	1261.1	1290.3	1304.9
40°	1742.3	1721.3	1654.7	1327.8	1136.9	1179.8	1246.5	1274.8	1357.9	1411.8	1412.7
42.5°	2009.0	2021.8	1959.7	1501.3	1290.3	1310.4	1367.0	1371.6	1445.6	1553.3	1557.0
45°	2342.3	2324.9	2309.4	1753.3	1436.4	1423.6	1502.2	1491.2	1605.4	1756.9	1775.2
47.5°	2663.7	2639.1	2597.1	2043.7	1639.1	1550.6	1660.1	1669.3	1847.3	2040.9	2048.2
50°	2912.1	2903.0	2861.0	2381.6	1908.5	1725.9	1835.5	1943.2	2132.3	2365.1	2380.6
52.5°	3186.1	3165.1	3091.1	2698.4	2254.6	1989.8	2045.5	2234.5	2432.7	2688.4	2686.6
55°	3368.7	3371.4	3301.1	3021.7	2568.8	2288.4	2310.3	2600.7	2706.6	2967.8	2987.0
57.5°	3611.6	3591.5	3610.7	3401.6	2994.3	2591.6	2642.7	2893.8	2988.8	3311.2	3323.9
60°	3792.4	3799.7	3894.7	3752.2	3323.9	2900.2	2944.1	3133.1	3270.1	3647.2	3687.4
62.5°	3798.8	3838.1	4093.7	4103.8	3681.0	3234.5	3206.1	3377.8	3498.4	4012.5	4060.9
65°	3450.9	3474.6	4050.8	4196.9	4012.5	3562.3	3455.4	3584.2	3723.9	4407.9	4417.0
67.5°	3102.0	3109.4	3665.5	4169.5	4211.5	3955.9	3721.2	3809.8	3944.9	4668.1	4636.2
68°	3007.1	3061.9	3598.8	4154.0	4224.3	4027.1	3761.4	3852.7	3998.8	4676.4	4631.6
70°	2725.8	2784.3	3278.3	3980.5	4217.9	4295.6	3981.4	3994.2	4032.6	4400.6	4257.2
72.5°	1832.7	1872.0	2594.3	3387.9	4081.0	4607.9	4227.1	3910.2	3618.0	3226.2	3099.3
75°	705.0	709.5	1307.7	2328.6	3528.5	4451.7	3967.7	3296.6	2457.3	1570.7	1474.8
77.5°	263.0	258.4	379.0	1079.4	2240.0	3459.1	2962.3	2020.8	1023.7	411.8	402.7
80°	93.1	95.9	147.0	325.1	910.4	2020.8	1649.2	822.8	301.3	91.3	84.0
82.5°	36.5	39.3	74.9	154.3	390.8	848.3	704.1	349.7	176.2	34.7	32.9
85°	8.2	9.1	29.2	76.7	148.8	245.6	247.5	213.7	146.1	16.4	15.5
87.5°	0.9	1.8	8.2	10.0	11.9	6.4	21.0	21.9	40.2	6.4	6.4
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.7	2.7	2.7	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
5°	2.7	2.7	2.7	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
7.5°	2.7	2.7	2.7	1.8	0.9	0.9	0.0	80.4	83.1	85.8	86.8
10°	2.7	2.7	2.7	1.8	1.8	84.0	98.6	95.0	88.6	85.8	86.8
12.5°	99.5	96.8	31.0	6.4	76.7	92.2	75.8	63.0	56.6	52.1	52.1
15°	217.3	209.1	174.4	133.3	125.1	71.2	48.4	41.1	60.3	73.1	73.1
17.5°	231.0	221.0	195.4	193.6	126.9	62.1	50.2	64.8	68.5	72.1	72.1
20°	447.5	400.9	275.8	185.4	93.1	75.8	63.0	62.1	64.8	69.4	70.3
22.5°	479.4	456.6	347.0	224.6	84.9	82.2	73.1	69.4	93.1	101.4	101.4
25°	609.1	587.2	373.5	179.0	103.2	84.0	92.2	86.8	88.6	95.9	95.9
27.5°	778.9	738.8	490.4	150.7	95.9	91.3	94.1	86.8	102.3	121.5	121.5
30°	862.9	782.6	469.4	133.3	97.7	99.5	90.4	105.9	105.9	113.2	114.1
32.5°	1151.5	1095.8	528.7	112.3	97.7	91.3	98.6	100.4	98.6	127.8	128.8
35°	1225.5	1158.8	452.9	116.9	93.1	88.6	88.6	99.5	105.9	112.3	113.2
37.5°	1315.9	1229.1	356.1	109.6	96.8	85.8	81.3	84.9	93.1	109.6	110.5
40°	1430.9	1305.8	274.0	103.2	90.4	78.5	74.0	77.6	77.6	82.2	83.1
42.5°	1586.2	1397.2	202.7	98.6	84.9	72.1	64.8	60.3	57.5	56.6	57.5
45°	1798.9	1514.0	151.6	94.1	81.3	63.9	53.9	43.8	36.5	36.5	37.4
47.5°	2051.9	1644.6	123.3	86.8	75.8	54.8	41.1	28.3	22.8	23.7	24.7
50°	2321.3	1782.5	107.8	80.4	69.4	44.7	27.4	17.4	14.6	15.5	16.4
52.5°	2570.6	1872.0	101.4	74.0	61.2	34.7	17.4	11.9	11.0	11.0	11.9
55°	2820.8	1939.6	95.9	67.6	49.3	22.8	10.0	9.1	9.1	8.2	8.2
57.5°	3053.6	1979.8	86.8	58.4	34.7	13.7	7.3	7.3	6.4	6.4	6.4
60°	3267.3	1975.2	69.4	43.8	21.9	8.2	5.5	5.5	4.6	4.6	4.6
62.5°	3485.6	1955.1	49.3	31.0	14.6	5.5	3.7	3.7	2.7	1.8	2.7
65°	3617.1	1898.5	32.9	21.9	9.1	3.7	2.7	1.8	0.9	0.0	0.9
67.5°	3562.3	1734.1	24.7	16.4	6.4	2.7	1.8	0.9	0.0	0.0	0.0
68°	3512.1	1682.1	22.8	15.5	5.5	2.7	1.8	0.9	0.0	0.0	0.0
70°	3116.7	1401.7	20.1	12.8	4.6	2.7	1.8	0.9	0.0	0.0	0.0
72.5°	2079.3	910.4	16.4	10.0	3.7	1.8	1.8	0.9	0.0	0.0	0.0
75°	958.8	292.2	12.8	8.2	2.7	1.8	1.8	0.9	0.0	0.0	0.0
77.5°	255.7	62.1	8.2	5.5	2.7	1.8	1.8	0.9	0.9	0.9	0.0
80°	61.2	19.2	5.5	4.6	2.7	1.8	1.8	0.9	0.9	0.9	0.0
82.5°	22.8	10.0	3.7	3.7	2.7	1.8	1.8	0.9	1.8	1.8	0.0
85°	10.0	6.4	3.7	3.7	2.7	1.8	1.8	1.8	1.8	2.7	0.0
87.5°	4.6	4.6	3.7	3.7	3.7	1.8	2.7	2.7	2.7	2.7	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)