

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: P416670

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-727-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5885 lumens
Efficiency: N/A
Efficacy: 70.9 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): 83
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

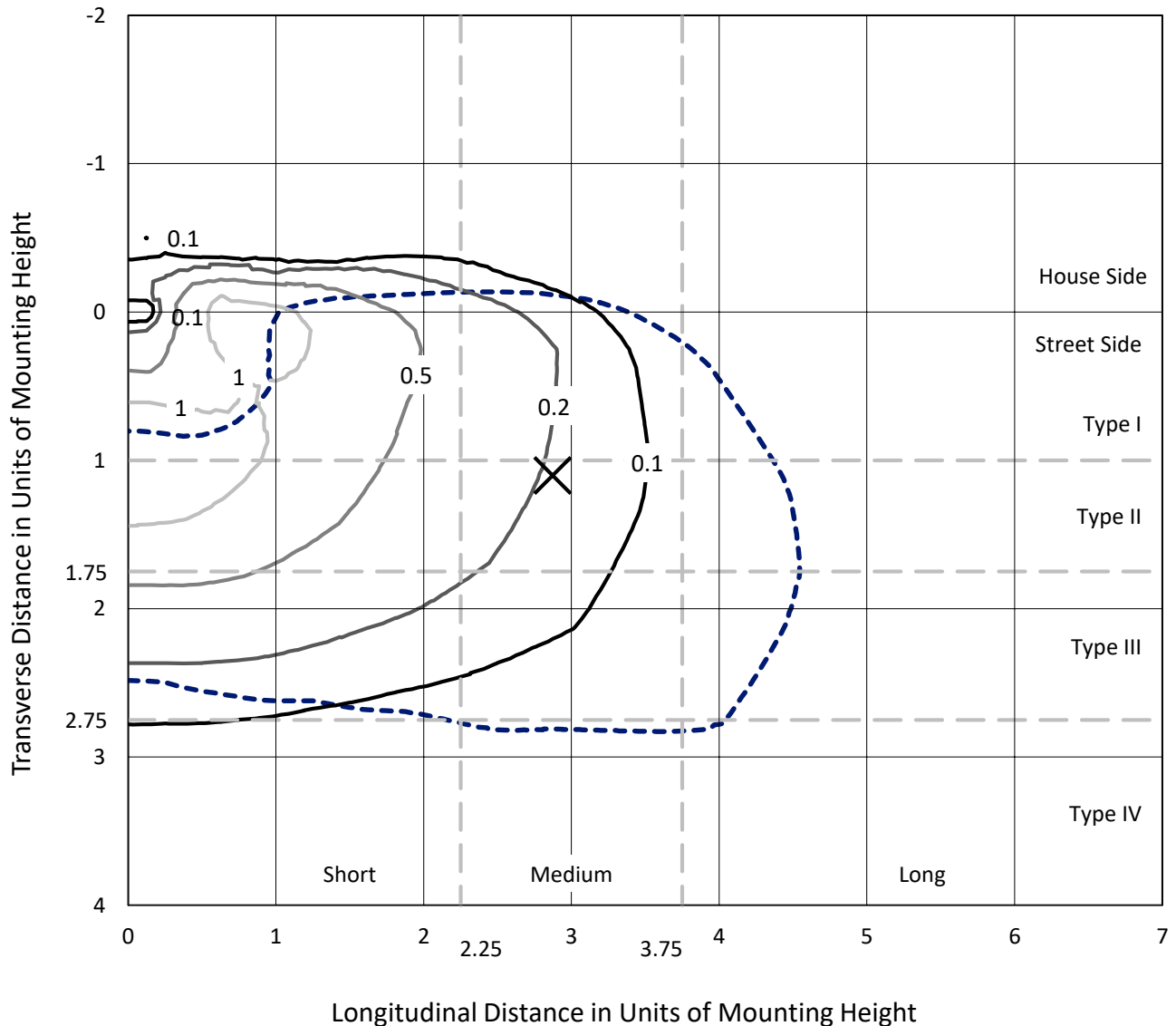


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

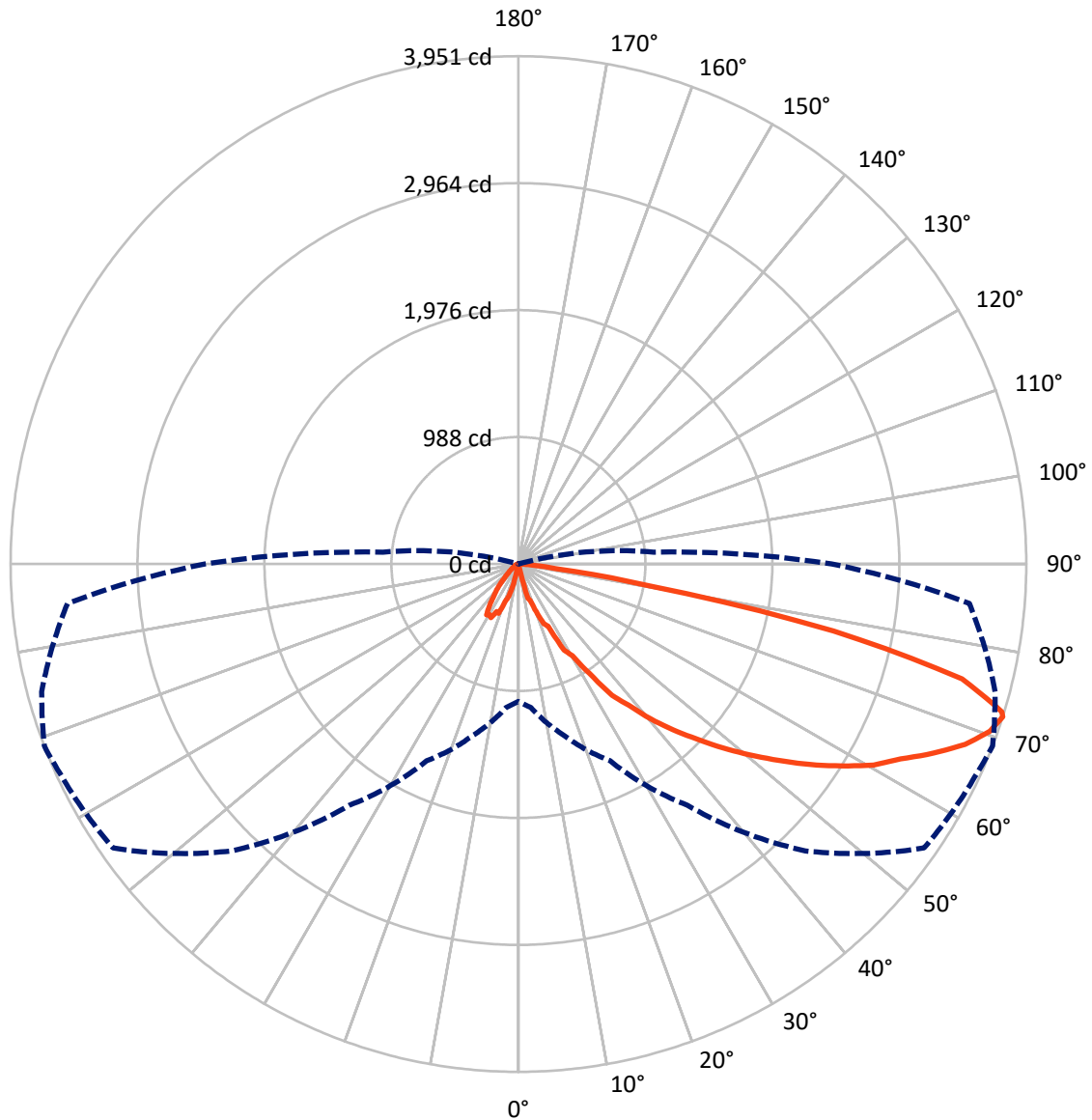


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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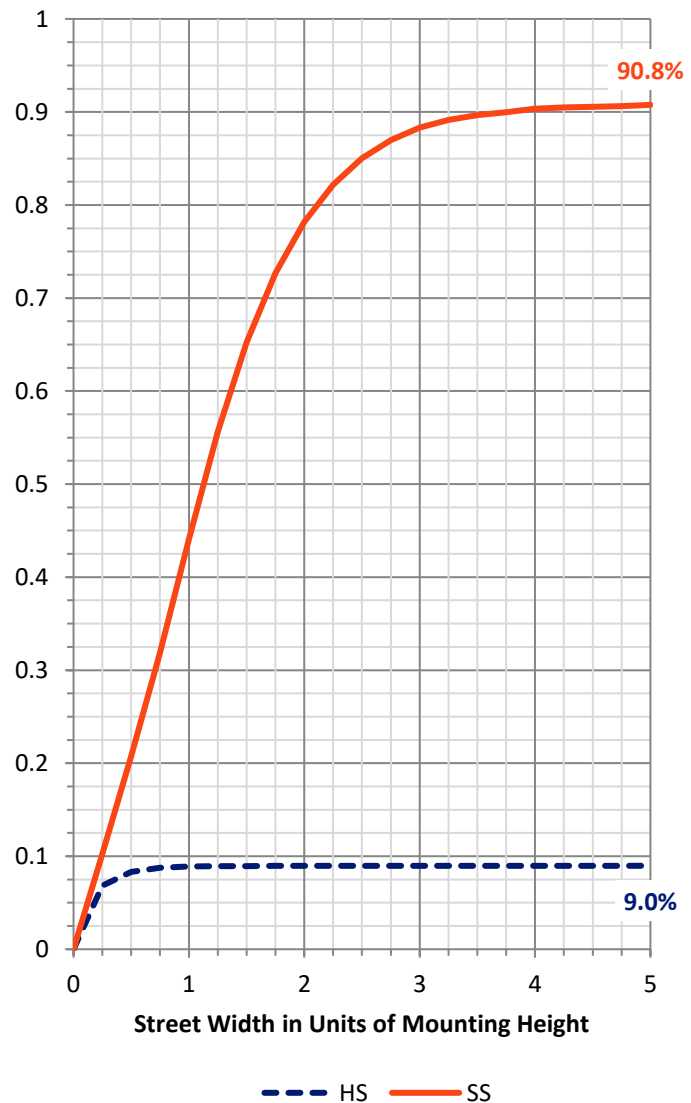
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	533.7	0.0	533.7
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	5351.3	0.0	5351.3
	% Fixture	90.9	0.0	90.9
Total	Lumens	5885.0	0.0	5885.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	51.1	0.9
20°-30°	183.3	3.1
30°-40°	468.1	8.0
40°-50°	926.4	15.7
50°-60°	1459.8	24.8
60°-70°	1698.0	28.9
70°-80°	1030.7	17.5
80°-90°	63.8	1.1
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°	5885.0	100.0
0°-180°	5885.0	100.0



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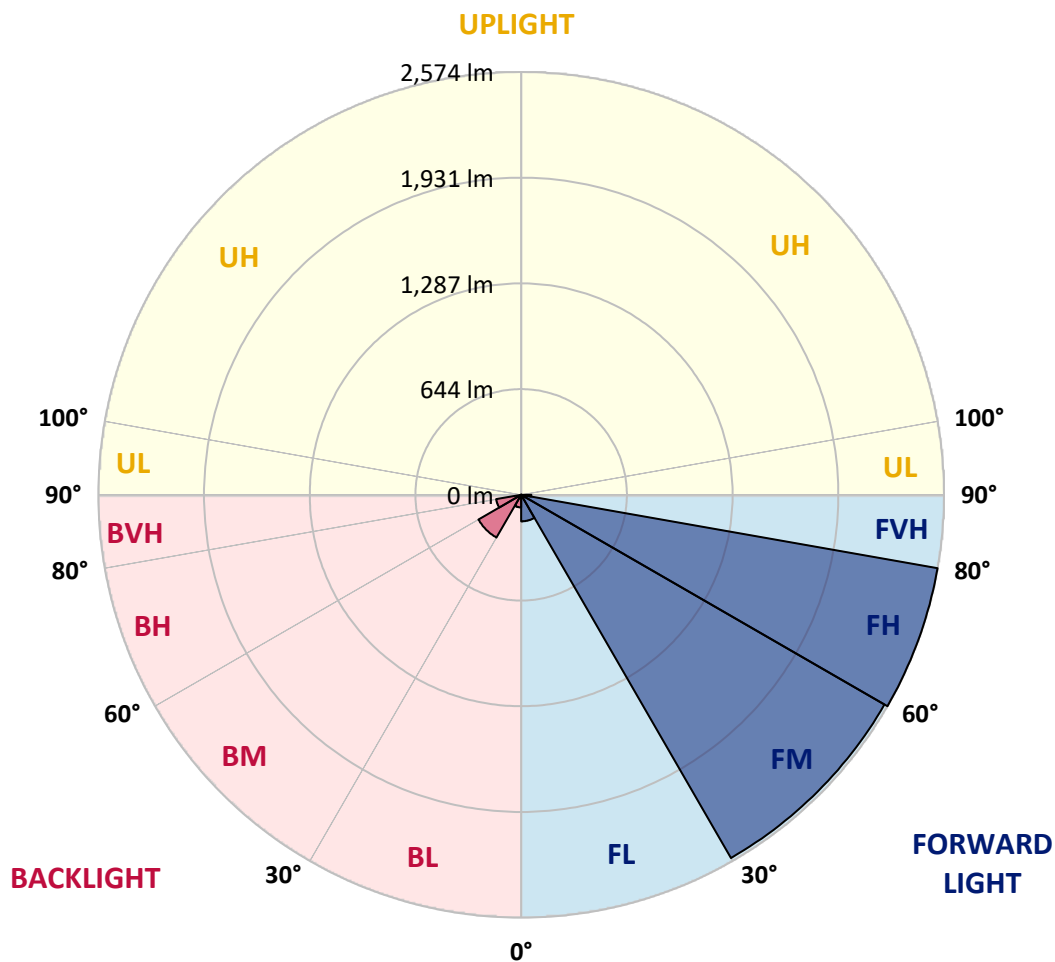
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.6	2.7			
FM	(30°-60°)	2553.9	43.4			
FH	(60°-80°)	2574.3	43.7			G2/5000
FVH	(80°-90°)	61.6	1.0			G1/100
BL	(0°-30°)	76.6	1.3	B0/110		
BM	(30°-60°)	300.4	5.1	B1/1000		
BH	(60°-80°)	154.4	2.6	B1/500		G1/500
BVH	(80°-90°)	2.2	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°	69°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	0.8	0.8	0.8	0.8	1.7	1.7	2.5	2.5	2.5	2.5	2.5
5°	82.0	53.5	40.1	33.5	16.7	4.2	2.5	2.5	2.5	2.5	2.5
7.5°	126.3	126.3	127.1	128.0	130.5	109.6	23.4	2.5	2.5	2.5	2.5
10°	122.1	121.3	121.3	122.9	126.3	129.6	133.0	17.6	4.2	2.5	2.5
12.5°	238.3	235.8	219.1	153.0	125.4	127.1	133.8	102.0	28.4	16.7	96.2
15°	235.8	235.0	236.7	240.8	242.5	135.5	198.2	269.3	275.1	185.7	225.0
17.5°	257.6	250.0	238.3	240.0	247.5	291.0	280.2	291.9	297.7	208.2	243.4
20°	356.3	355.4	357.1	280.2	261.8	368.8	324.5	316.9	393.9	412.3	457.4
22.5°	363.8	362.1	364.6	373.0	419.0	385.5	470.0	480.9	503.4	557.0	522.7
25°	509.3	509.3	418.1	389.7	477.5	435.7	582.1	546.9	535.2	597.9	672.4
27.5°	614.7	608.0	586.2	544.4	496.7	616.3	619.7	747.6	758.5	834.6	848.8
30°	778.6	769.4	711.7	679.1	616.3	648.1	723.4	889.0	828.8	889.8	951.7
32.5°	1152.4	1139.0	1066.3	855.5	776.9	702.5	867.2	954.2	1013.6	1179.2	1246.9
35°	1492.8	1405.8	1306.3	1145.7	941.7	913.2	935.8	1183.3	1253.6	1304.6	1373.2
37.5°	1835.6	1837.3	1737.8	1348.1	1190.0	1054.5	1128.1	1322.2	1393.2	1468.5	1530.4
40°	2110.8	2069.0	1936.0	1650.0	1404.1	1268.6	1277.8	1457.6	1583.9	1678.4	1691.0
42.5°	2462.0	2444.4	2248.8	1926.0	1680.9	1548.8	1508.6	1597.3	1764.5	1827.3	1865.7
45°	2798.2	2772.3	2605.8	2240.4	1977.0	1828.9	1773.7	1774.6	1939.3	2006.2	2061.4
47.5°	3049.9	3008.1	2918.6	2529.7	2349.1	2135.0	2020.5	1977.0	2137.5	2224.5	2255.4
50°	3313.3	3244.8	3173.7	2856.7	2670.2	2484.6	2265.5	2217.0	2333.2	2430.2	2455.3
52.5°	3489.8	3390.3	3340.9	3090.1	2957.9	2840.0	2510.5	2456.2	2538.9	2653.5	2633.4
55°	3400.3	3369.4	3422.9	3291.6	3163.6	3033.2	2777.3	2733.0	2754.7	2850.9	2803.2
57.5°	3213.8	3223.0	3381.1	3406.2	3348.5	3225.5	3016.5	3008.9	2964.6	3043.2	2981.3
60°	3019.0	3053.3	3273.2	3398.6	3440.5	3399.5	3269.0	3213.8	3174.5	3229.7	3181.2
62.5°	2758.0	2764.7	3059.9	3331.7	3405.3	3535.0	3445.5	3418.7	3337.6	3419.5	3399.5
65°	2430.2	2438.6	2716.2	3101.8	3300.0	3560.9	3583.5	3611.9	3549.2	3571.7	3635.3
67.5°	2063.9	2079.8	2322.3	2694.5	3073.3	3509.9	3698.0	3752.4	3747.4	3740.7	3803.4
70°	1670.9	1681.8	1879.1	2205.3	2707.0	3369.4	3804.2	3873.6	3892.9	3846.0	3801.7
72°	1068.8	1121.5	1382.4	1690.1	2291.4	3156.1	3851.9	3918.0	3951.4	3839.4	3521.6
72.5°	839.6	881.4	1277.0	1548.8	2149.2	3106.8	3842.7	3902.9	3933.9	3802.6	3402.8
75°	180.6	185.7	399.7	752.7	1355.6	2380.1	3524.1	3531.6	3565.1	3313.3	2329.9
77.5°	77.8	78.6	111.2	248.4	486.7	1216.8	2439.4	2508.8	2506.3	2144.2	1126.5
80°	54.4	56.0	66.1	113.7	231.6	352.1	1191.7	1199.2	1032.0	766.9	281.0
82.5°	28.4	30.1	46.8	67.7	157.2	128.8	385.5	388.9	286.8	180.6	65.2
85°	5.0	7.5	22.6	41.0	61.0	51.8	84.5	106.2	92.0	71.9	27.6
87.5°	0.8	0.8	5.9	5.9	8.4	5.0	8.4	9.2	10.0	15.1	7.5
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.0	0.0	0.0	0.0	0.0
5°	2.5	2.5	2.5	2.5	1.7	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.0	76.9	103.7	110.4	117.9
10°	2.5	3.3	2.5	2.5	1.7	105.4	129.6	131.3	133.0	133.0	132.1
12.5°	106.2	108.7	38.5	7.5	97.8	133.8	127.1	116.2	106.2	102.9	102.0
15°	227.5	228.3	206.6	178.1	189.8	126.3	99.5	112.9	114.6	110.4	110.4
17.5°	245.0	245.0	234.2	286.0	240.0	126.3	104.5	86.1	73.6	70.2	69.4
20°	485.0	424.8	343.7	290.2	195.7	141.3	73.6	62.7	61.0	61.0	63.6
22.5°	523.5	516.0	447.4	391.4	168.1	99.5	71.9	71.9	85.3	83.6	82.8
25°	683.2	673.2	506.8	340.4	168.1	85.3	91.2	80.3	78.6	76.9	75.3
27.5°	863.9	843.0	712.5	307.8	118.8	89.5	87.0	76.1	90.3	90.3	89.5
30°	983.5	904.9	717.5	276.0	100.4	95.3	82.0	88.6	80.3	75.3	75.3
32.5°	1274.5	1238.5	877.3	194.9	95.3	86.1	86.1	76.1	67.7	70.2	69.4
35°	1366.5	1319.6	781.1	146.3	87.8	79.4	71.9	66.9	57.7	51.8	51.0
37.5°	1480.2	1419.2	655.6	112.9	86.1	70.2	59.4	51.0	44.3	44.3	43.5
40°	1619.9	1527.0	536.1	96.2	76.1	60.2	46.0	39.3	35.1	32.6	31.8
42.5°	1772.9	1629.1	412.3	87.0	66.1	49.3	34.3	28.4	25.9	25.1	25.1
45°	1934.3	1723.6	296.0	79.4	57.7	38.5	25.1	20.1	19.2	19.2	19.2
47.5°	2099.1	1792.1	201.5	71.9	48.5	28.4	18.4	15.1	15.1	14.2	14.2
50°	2260.5	1839.0	138.8	64.4	39.3	20.1	13.4	12.5	12.5	11.7	11.7
52.5°	2377.5	1828.1	103.7	56.0	30.9	15.1	10.9	10.0	10.0	10.0	10.0
55°	2491.3	1803.9	85.3	47.7	23.4	10.9	8.4	7.5	7.5	7.5	7.5
57.5°	2608.4	1771.2	73.6	38.5	16.7	8.4	5.9	5.9	5.9	5.9	5.9
60°	2705.4	1707.7	63.6	30.9	11.7	5.9	5.0	4.2	4.2	4.2	4.2
62.5°	2813.2	1643.3	54.4	23.4	8.4	4.2	3.3	2.5	2.5	1.7	2.5
65°	2890.2	1564.7	44.3	16.7	5.9	3.3	2.5	1.7	0.8	0.0	0.8
67.5°	2888.5	1460.1	31.8	10.9	4.2	2.5	1.7	0.8	0.0	0.0	0.0
70°	2762.2	1310.4	21.7	7.5	3.3	1.7	1.7	0.8	0.0	0.0	0.0
72°	2437.8	1057.1	16.7	6.7	3.3	1.7	1.7	0.8	0.0	0.0	0.0
72.5°	2324.0	970.1	15.1	5.9	3.3	1.7	1.7	0.8	0.0	0.0	0.0
75°	1476.0	403.9	11.7	5.0	3.3	1.7	1.7	0.8	0.8	0.8	0.0
77.5°	685.7	148.0	8.4	4.2	2.5	1.7	1.7	0.8	0.8	1.7	0.0
80°	149.7	43.5	5.9	4.2	2.5	1.7	1.7	1.7	1.7	2.5	0.0
82.5°	34.3	14.2	5.0	3.3	2.5	1.7	1.7	1.7	1.7	2.5	0.0
85°	12.5	8.4	5.0	4.2	3.3	1.7	1.7	2.5	2.5	3.3	0.0
87.5°	5.0	5.0	4.2	4.2	3.3	1.7	2.5	2.5	3.3	3.3	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)