

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: P416019

Luminaire Tested: **LXF.LXT-PA1-60-760-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416019
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-PA1-60-760-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 800mA 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: 6284 lumens
Efficiency: N/A
Efficacy: 98.2 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): 64
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

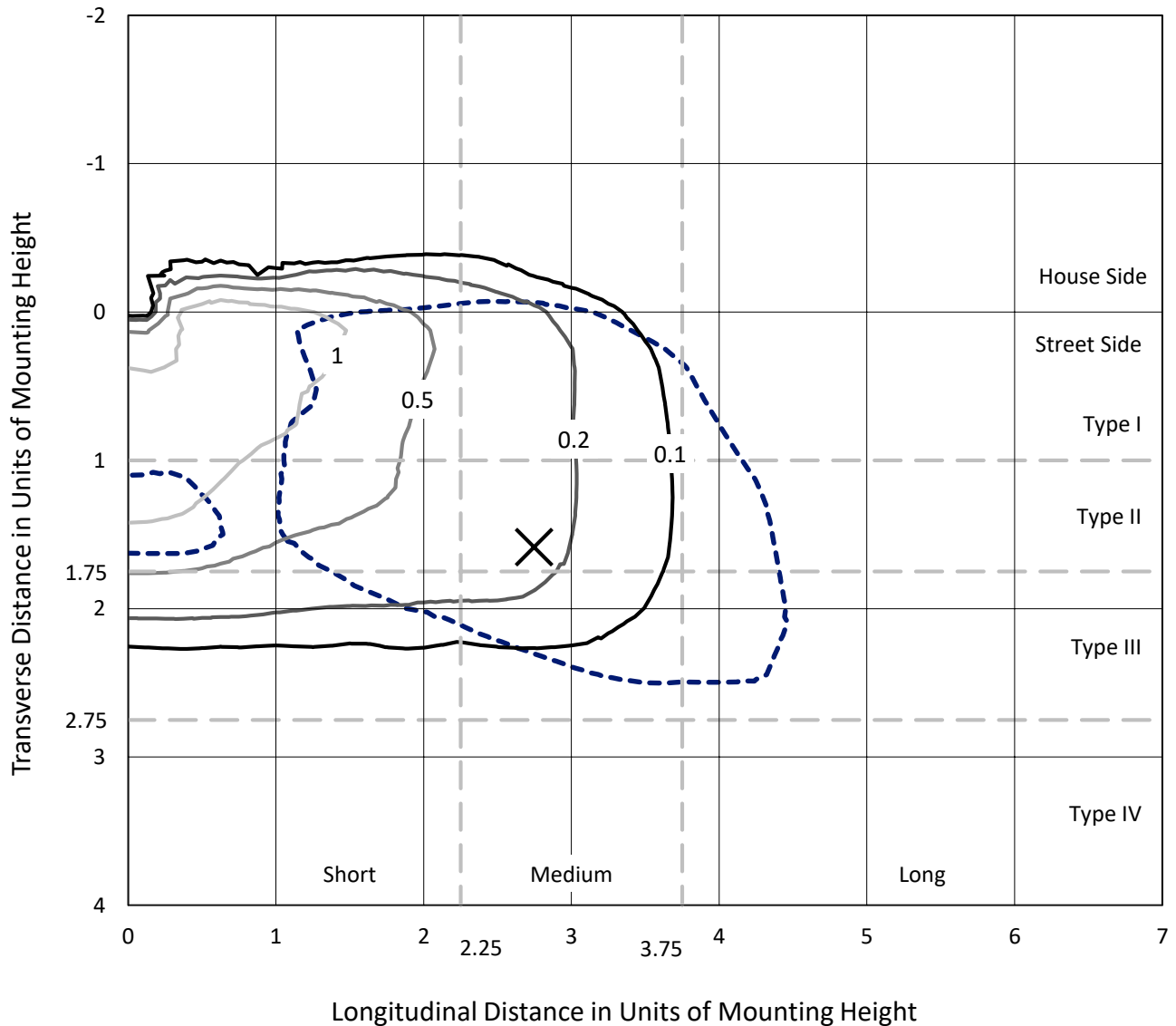


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Iso-Footcandle Lines of Horizontal Illumination

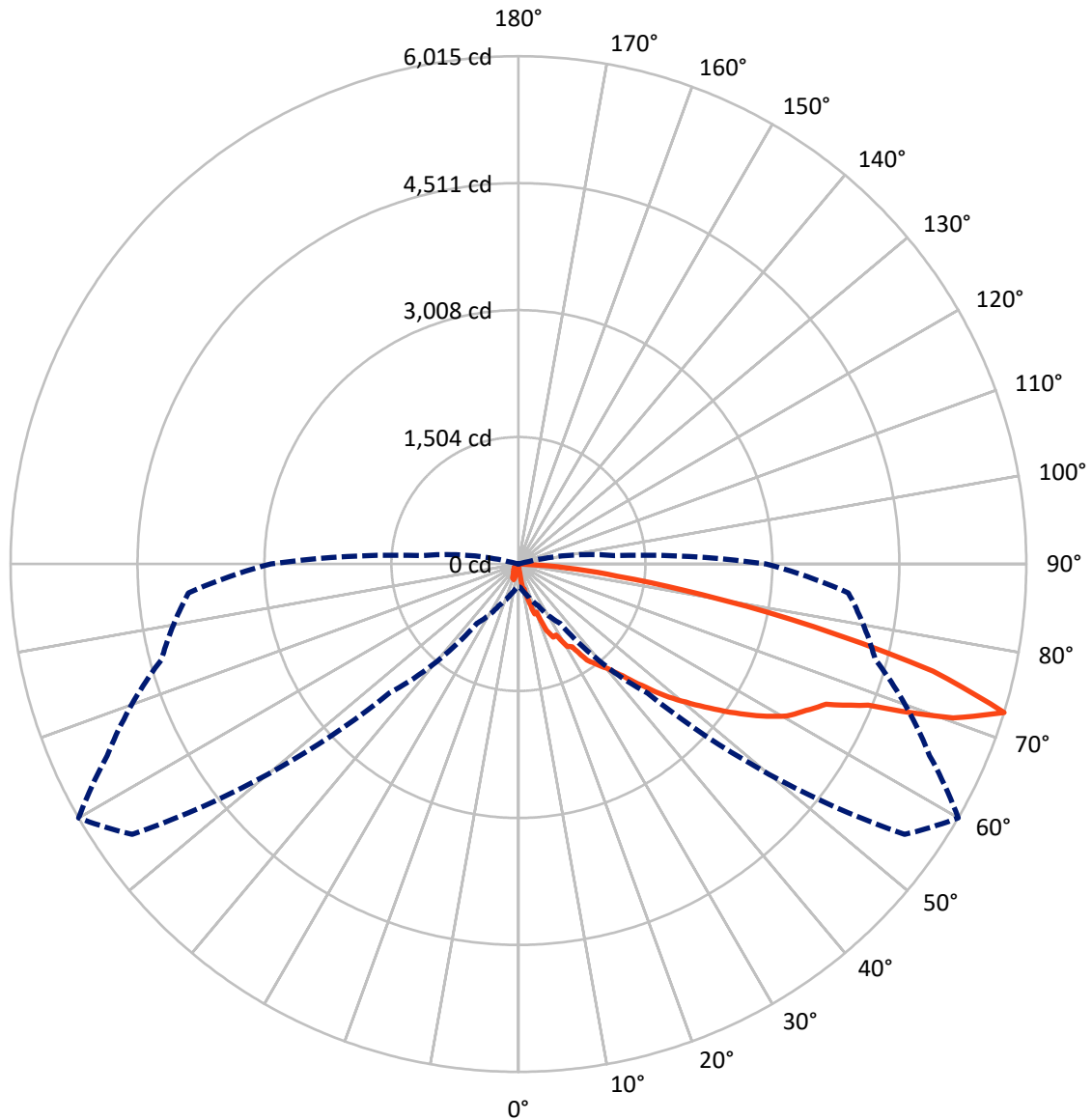
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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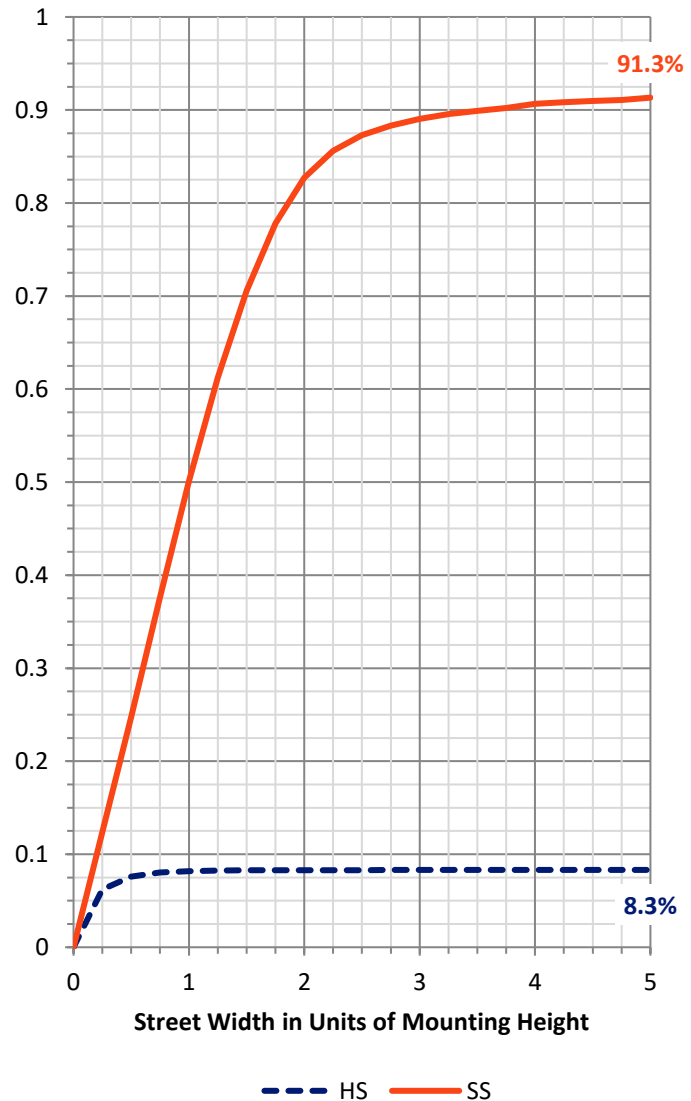
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	527.0	0.0	527.0
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5756.9	0.0	5756.9
	% Fixture	91.6	0.0	91.6
Total	Lumens	6284.0	0.0	6284.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.1
10°-20°	87.5	1.4
20°-30°	273.7	4.4
30°-40°	590.1	9.4
40°-50°	1003.3	16.0
50°-60°	1483.2	23.6
60°-70°	1613.4	25.7
70°-80°	1099.6	17.5
80°-90°	124.7	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°	6284.0	100.0
0°-180°	6284.0	100.0



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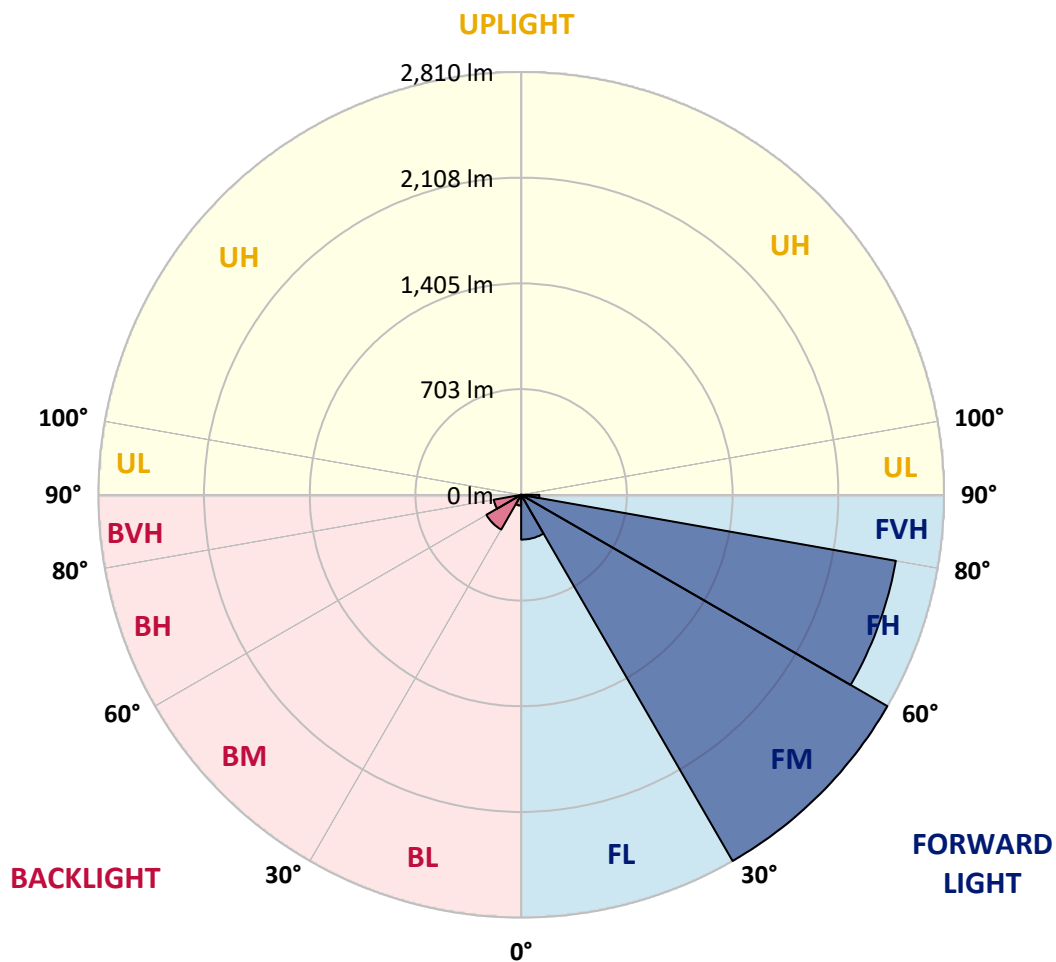
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	297.6	4.7			
FM	(30°-60°)	2810.1	44.7			
FH	(60°-80°)	2528.3	40.2			G2/5000
FVH	(80°-90°)	120.9	1.9			G2/225
BL	(0°-30°)	72.0	1.1	B0/110		
BM	(30°-60°)	266.5	4.2	B1/1000		
BH	(60°-80°)	184.7	2.9	B1/500		G1/500
BVH	(80°-90°)	3.8	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	5.7	4.1	4.1	3.3	2.4	2.4	2.4	3.3	3.3	2.4	3.3
5°	321.4	317.4	317.4	319.0	207.2	35.1	19.6	8.2	3.3	3.3	3.3
7.5°	305.1	301.9	303.5	307.6	310.0	314.1	314.1	96.3	31.0	3.3	3.3
10°	312.5	310.0	297.0	294.5	299.4	303.5	305.1	312.5	303.5	9.0	3.3
12.5°	549.9	545.8	545.8	553.1	321.4	293.7	297.0	304.3	262.7	34.3	18.8
15°	526.2	522.9	523.8	532.7	545.0	386.7	305.1	452.0	580.0	523.8	416.1
17.5°	734.2	632.3	546.6	520.5	522.9	540.1	591.5	621.7	589.8	596.4	453.6
20°	749.7	744.0	740.8	746.5	535.2	712.2	752.2	610.2	593.9	638.8	837.0
22.5°	775.8	762.8	736.7	733.4	824.0	701.6	728.5	853.3	876.2	935.7	871.3
25°	1050.8	1041.0	1014.1	771.8	845.2	806.0	918.6	960.2	946.4	985.5	944.7
27.5°	1154.4	1135.6	1077.7	1001.8	897.4	950.4	929.2	952.1	1045.1	1357.5	1332.2
30°	1617.8	1568.0	1408.1	1153.6	1067.1	989.6	1081.0	1129.1	1207.4	1389.3	1365.7
32.5°	1758.1	1705.1	1589.2	1468.5	1264.5	1121.8	1189.5	1168.3	1224.5	1695.3	1793.2
35°	2166.8	2142.3	1933.5	1598.2	1546.0	1323.3	1249.0	1395.1	1478.3	1718.9	1884.5
37.5°	2171.7	2173.3	2161.1	1934.3	1695.3	1487.2	1501.1	1506.8	1571.3	1831.5	1990.6
40°	2241.1	2252.5	2282.7	2111.3	1909.8	1724.6	1687.9	1630.8	1687.9	1958.0	2135.8
42.5°	2386.3	2394.4	2461.3	2282.7	2079.5	1909.8	1928.6	1811.9	1853.5	2197.0	2333.2
45°	2641.6	2636.7	2720.8	2463.0	2237.8	2121.1	2142.3	2052.6	2027.3	2392.8	2564.9
47.5°	2930.4	2948.4	2945.1	2662.0	2395.2	2317.7	2378.9	2330.8	2231.3	2642.4	2835.0
50°	3203.7	3198.0	3113.2	2774.6	2535.6	2510.3	2651.4	2572.3	2481.7	2896.2	3095.2
52.5°	3303.3	3308.1	3207.0	2842.3	2655.5	2701.2	2912.5	2832.5	2715.0	3077.3	3353.8
55°	3285.3	3291.8	3234.7	2911.7	2745.2	2879.8	3183.3	3114.8	2982.6	3273.9	3548.0
57.5°	3117.2	3117.2	3163.7	2954.9	2832.5	3039.7	3424.8	3397.1	3233.9	3437.0	3663.8
60°	2688.1	2733.8	2879.8	2902.7	2935.3	3212.7	3663.8	3654.9	3456.6	3589.6	3732.4
62.5°	2067.3	2082.0	2405.0	2649.8	2943.5	3445.2	3865.4	3822.1	3621.4	3636.1	3780.5
65°	1172.3	1239.2	1537.8	2156.2	2776.2	3688.3	4189.2	4004.0	3765.8	3691.6	3957.5
67.5°	631.4	655.9	822.3	1305.3	2275.3	3715.2	4923.5	4465.8	4108.5	3983.6	4304.3
70°	407.9	434.0	523.8	717.1	1426.9	3285.3	5614.5	5460.3	4815.8	4383.4	4357.3
72.5°	265.1	280.6	377.7	540.1	858.2	2164.4	5582.7	6015.0	5374.6	4376.1	3922.5
75°	107.7	118.3	189.3	449.5	725.3	1060.6	4283.1	5072.0	5045.8	3889.0	3035.7
77.5°	53.8	57.1	84.0	243.1	643.7	734.2	2710.2	3577.4	3592.1	2835.0	1687.9
80°	35.1	34.3	48.1	114.2	438.9	668.2	1515.8	2197.8	2055.0	1075.3	473.2
82.5°	13.9	14.7	26.1	65.3	183.6	604.5	864.8	1182.9	925.1	209.7	136.2
85°	2.4	2.4	8.2	35.1	57.9	276.6	558.0	572.7	380.2	66.1	68.5
87.5°	0.8	0.8	1.6	2.4	4.1	6.5	24.5	11.4	7.3	11.4	13.1
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	3.3	3.3	3.3	2.4	2.4	1.6	0.0	0.0	0.8	0.8	0.8
5°	3.3	3.3	3.3	2.4	2.4	0.8	0.0	0.0	0.8	0.8	0.8
7.5°	3.3	3.3	3.3	2.4	1.6	0.8	0.0	0.0	0.8	0.8	0.8
10°	3.3	3.3	3.3	2.4	1.6	0.8	23.7	150.9	155.8	156.6	155.0
12.5°	20.4	21.2	11.4	2.4	1.6	140.3	139.5	116.7	102.0	96.3	88.9
15°	443.0	421.0	348.4	205.6	113.4	115.0	84.8	62.8	50.6	47.3	45.7
17.5°	438.9	407.1	320.6	187.6	197.4	86.5	45.7	50.6	66.1	66.9	66.9
20°	824.8	723.6	313.3	209.7	133.0	75.1	59.6	62.8	62.8	63.6	62.8
22.5°	859.9	758.7	469.1	267.6	95.5	79.1	67.7	58.7	60.4	78.3	75.9
25°	867.2	744.0	434.8	209.7	92.2	79.1	74.2	71.8	80.8	80.8	81.6
27.5°	1249.8	1045.9	527.0	157.5	91.4	82.4	82.4	75.1	72.6	71.8	72.6
30°	1247.4	1010.0	449.5	133.0	88.1	81.6	74.2	66.9	80.8	81.6	81.6
32.5°	1637.3	1291.4	434.8	107.7	88.1	75.1	65.3	69.3	64.4	64.4	64.4
35°	1660.2	1258.8	342.6	111.8	78.3	68.5	63.6	53.8	57.1	57.9	56.3
37.5°	1704.2	1236.0	260.2	101.2	78.3	63.6	52.2	48.1	44.9	44.1	44.1
40°	1783.4	1237.6	200.7	93.0	73.4	57.9	46.5	39.2	40.8	40.8	40.0
42.5°	1901.7	1261.3	157.5	85.7	66.1	51.4	39.2	35.1	32.6	32.6	31.8
45°	2058.3	1311.8	128.9	80.0	60.4	44.1	31.8	28.6	26.1	26.1	25.3
47.5°	2252.5	1382.8	112.6	74.2	53.8	36.7	26.1	22.8	21.2	20.4	20.4
50°	2459.7	1467.7	103.6	69.3	46.5	29.4	21.2	17.9	16.3	16.3	15.5
52.5°	2674.3	1564.7	96.3	66.1	40.0	24.5	16.3	13.1	12.2	11.4	12.2
55°	2848.0	1623.5	91.4	65.3	33.4	19.6	12.2	9.8	9.0	8.2	8.2
57.5°	2962.2	1655.3	84.8	60.4	26.9	14.7	9.0	6.5	5.7	5.7	5.7
60°	3052.0	1673.2	76.7	48.1	21.2	10.6	5.7	4.1	4.1	4.1	4.1
62.5°	3123.0	1685.5	64.4	37.5	16.3	7.3	4.1	2.4	2.4	2.4	2.4
65°	3333.4	1757.3	49.8	28.6	12.2	4.9	2.4	1.6	0.8	1.6	1.6
67.5°	3589.6	1787.5	36.7	20.4	9.0	3.3	1.6	0.8	0.8	0.8	1.6
70°	3488.4	1557.4	26.9	14.7	6.5	2.4	1.6	0.8	0.8	0.8	1.6
72.5°	2931.2	1138.1	19.6	10.6	4.9	2.4	1.6	0.8	0.8	1.6	1.6
75°	2108.1	642.1	15.5	7.3	4.1	2.4	1.6	1.6	1.6	2.4	2.4
77.5°	992.0	239.0	15.5	6.5	4.1	2.4	1.6	1.6	2.4	3.3	1.6
80°	240.7	59.6	15.5	5.7	4.1	2.4	2.4	2.4	3.3	3.3	1.6
82.5°	80.8	25.3	11.4	4.9	4.1	2.4	2.4	3.3	3.3	4.1	2.4
85°	48.9	16.3	8.2	5.7	4.9	2.4	3.3	3.3	4.1	4.9	2.4
87.5°	8.2	6.5	5.7	5.7	4.9	3.3	3.3	4.1	4.1	4.9	3.3
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)