

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: P415820

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T2R-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415820  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-727-U-T2R-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4952 lumens  
Efficiency: N/A  
Efficacy: 77.4 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Medium - Full Cutoff  
BUG Rating: B0 - U0 - G1

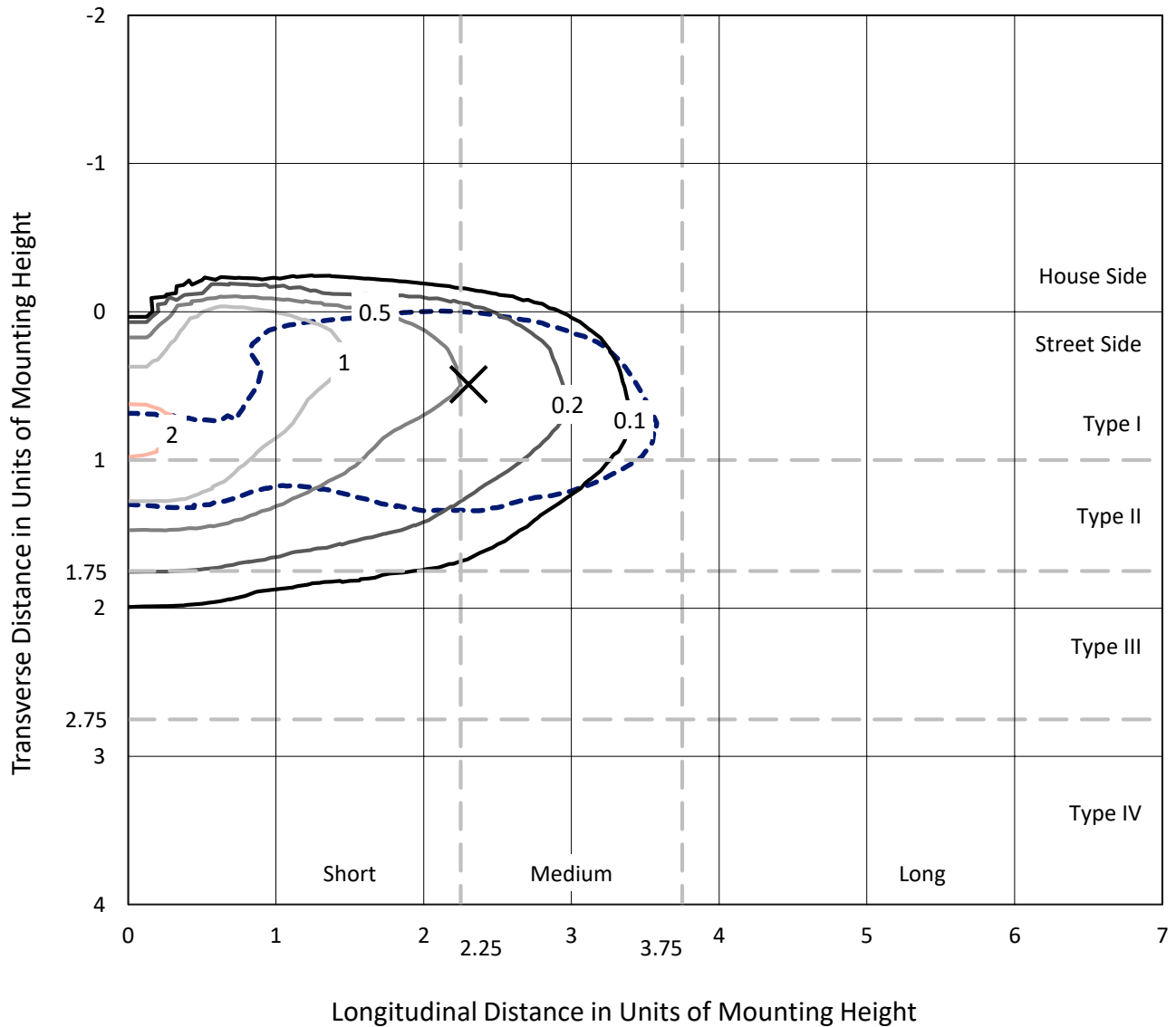
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

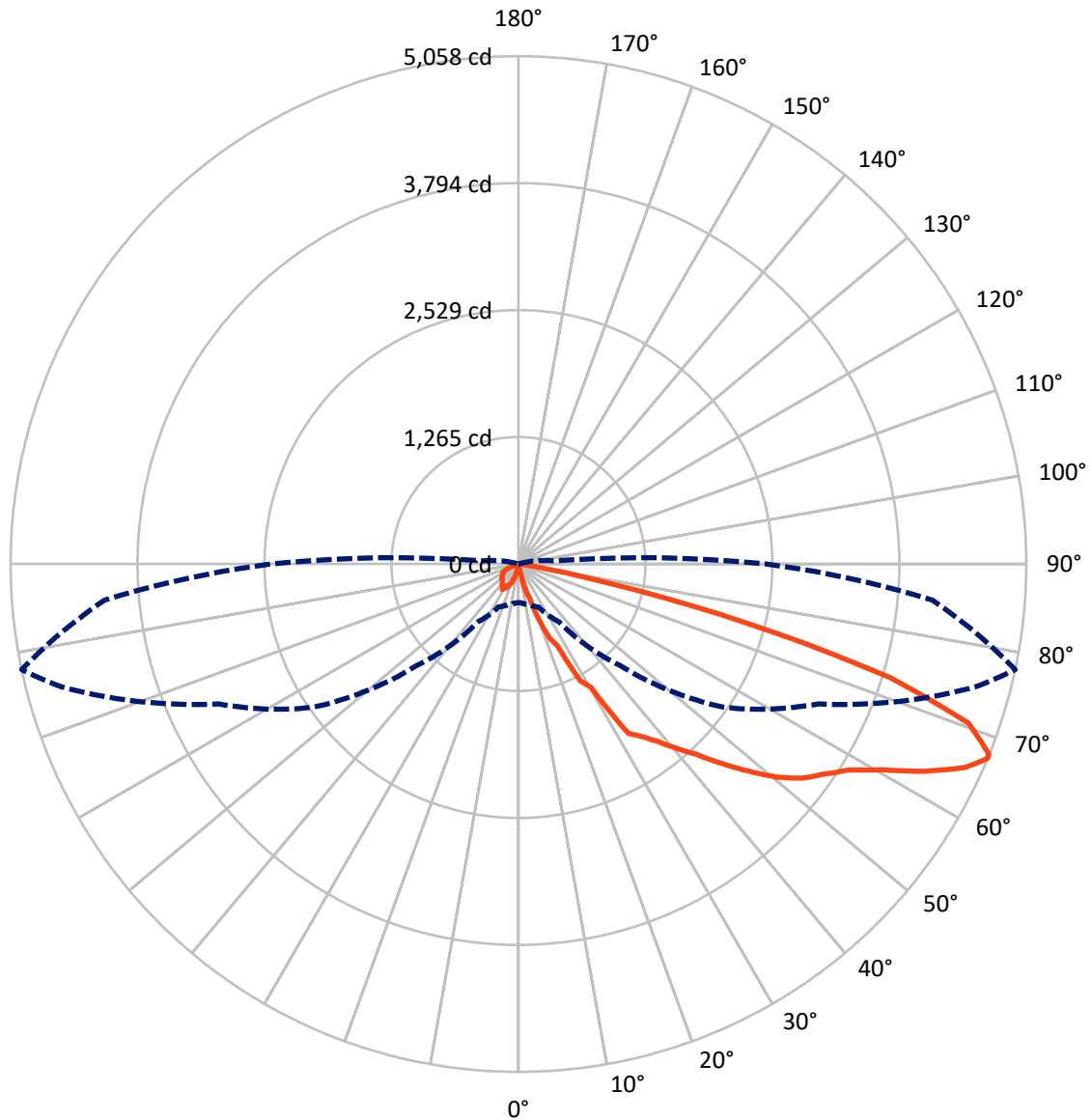
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type II - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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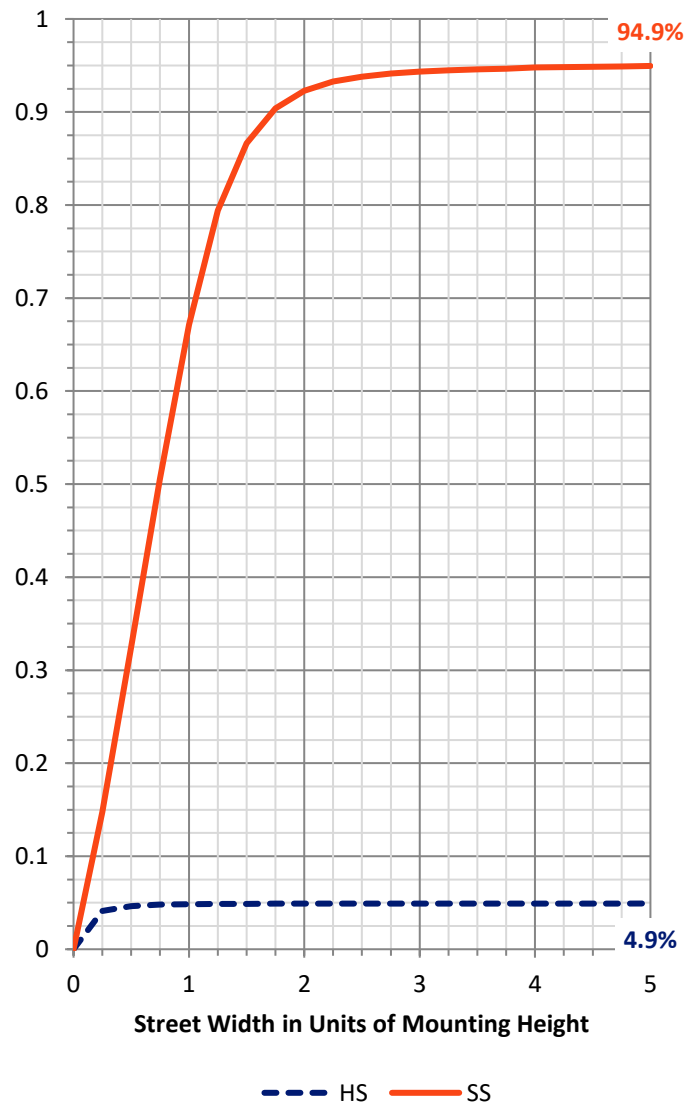
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	245.2	0.0	245.2
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	4706.8	0.0	4706.8
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	4952.0	0.0	4952.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.7	0.1
10°-20°	67.5	1.4
20°-30°	268.9	5.4
30°-40°	684.0	13.8
40°-50°	1119.9	22.6
50°-60°	1262.8	25.5
60°-70°	1089.0	22.0
70°-80°	438.1	8.8
80°-90°	17.2	0.3
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°	4952.0	100.0
0°-180°	4952.0	100.0

**Coefficient of Utilization**



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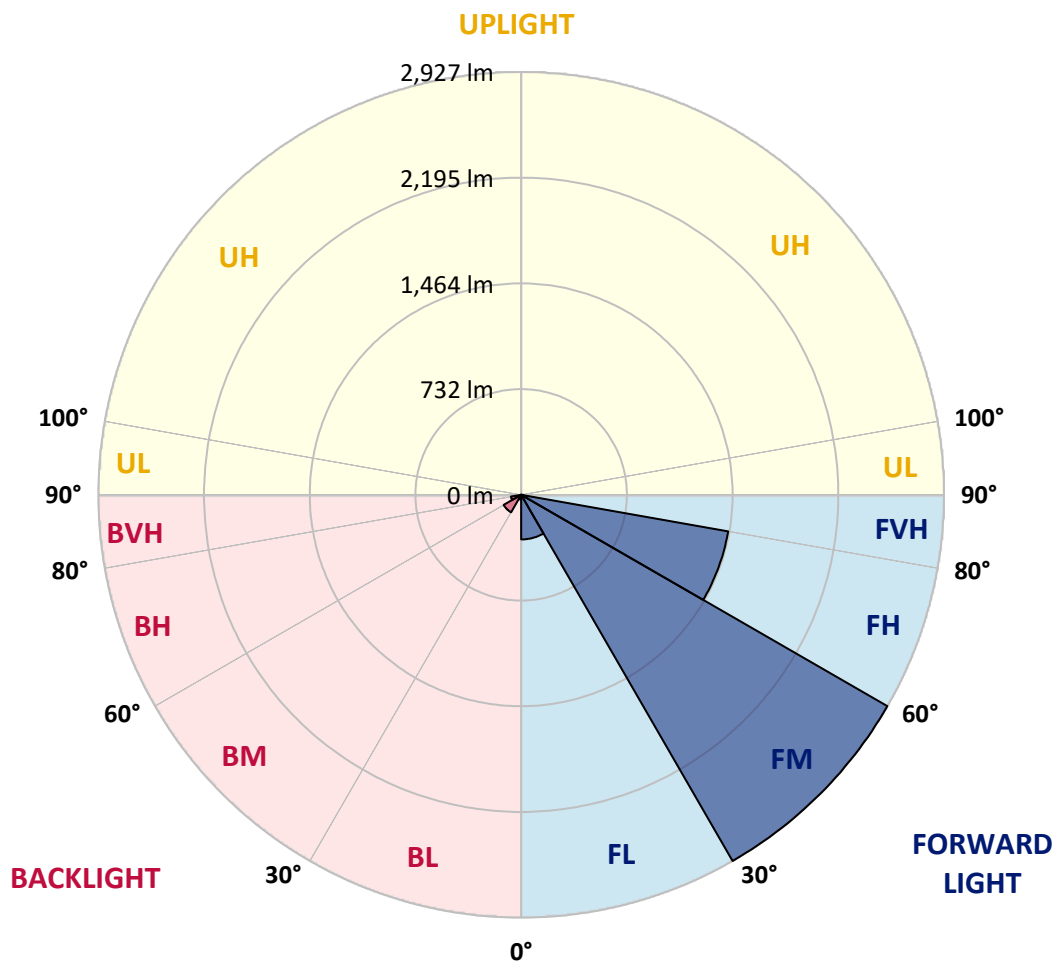
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	308.9	6.2			
FM	(30°-60°)	2927.1	59.1			
FH	(60°-80°)	1455.4	29.4			G1/1800
FVH	(80°-90°)	15.4	0.3			G1/100
BL	(0°-30°)	32.2	0.6	B0/110		
BM	(30°-60°)	139.6	2.8	B0/220		
BH	(60°-80°)	71.7	1.4	B0/110		G0/110
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: B0-U0-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	0.7	0.7	1.4	1.4	2.7	2.7	2.0	2.0	2.0	2.0	2.0
5°	207.4	162.4	115.3	33.4	13.0	6.1	2.7	2.0	2.0	2.0	1.4
7.5°	231.3	229.2	226.5	225.1	221.0	214.2	15.0	2.7	2.0	2.0	2.0
10°	247.6	243.5	242.9	242.2	239.4	234.0	223.8	13.0	2.0	2.0	2.0
12.5°	497.3	495.3	487.1	285.2	256.5	251.0	242.2	174.0	13.6	114.6	124.2
15°	491.2	489.8	495.3	506.2	516.4	275.6	393.6	496.6	304.9	292.0	304.3
17.5°	508.2	507.5	498.7	507.5	523.2	610.6	562.1	541.7	338.4	353.4	324.7
20°	761.3	760.0	767.5	721.8	543.0	760.6	706.1	586.7	664.5	610.6	613.3
22.5°	799.5	802.3	800.2	815.9	942.8	785.9	878.7	912.1	923.0	808.4	697.9
25°	1173.4	1156.3	1120.8	866.4	1016.5	974.8	1116.1	985.8	992.6	894.3	894.3
27.5°	1314.6	1314.6	1285.2	1251.8	1078.5	1251.8	1174.7	1294.8	1412.1	1319.4	1120.2
30°	1783.9	1770.3	1474.2	1431.9	1342.5	1324.8	1418.3	1519.9	1468.1	1424.4	1260.0
32.5°	2120.9	2122.3	2047.2	1818.0	1596.3	1477.6	1642.7	1676.8	1957.2	2008.4	1708.2
35°	2706.2	2672.1	2305.1	2097.0	1878.7	1799.6	1791.4	1964.0	2125.0	2107.3	1851.5
37.5°	3078.0	3054.2	2876.8	2409.5	2129.8	1952.4	2058.8	2067.0	2327.6	2238.3	2022.7
40°	3248.6	3237.7	3087.6	2690.5	2350.1	2161.2	2195.3	2221.9	2530.9	2408.1	2166.6
42.5°	3386.4	3376.1	3239.7	2831.8	2561.6	2361.1	2348.8	2353.5	2695.3	2587.5	2311.9
45°	3452.6	3446.4	3387.7	2956.6	2653.7	2490.7	2515.9	2485.2	2838.6	2831.8	2472.9
47.5°	3388.4	3391.8	3408.2	3067.1	2721.2	2593.0	2678.3	2629.2	3009.1	3080.8	2654.4
50°	3162.6	3161.3	3254.7	3083.5	2760.1	2674.9	2821.5	2764.9	3211.7	3335.9	2818.1
52.5°	2467.5	2558.2	2896.6	2907.5	2751.3	2715.8	2929.3	2921.1	3402.8	3543.3	2981.8
55°	1856.9	1893.8	2215.1	2522.0	2636.7	2711.0	2967.5	3026.2	3544.0	3694.7	3110.1
57.5°	1459.2	1446.9	1622.9	2032.9	2347.4	2630.5	2958.6	3067.1	3681.8	3872.1	3279.3
60°	1067.6	1078.5	1218.4	1474.2	1930.6	2447.7	2931.4	3133.3	3900.1	4158.6	3531.0
62.5°	774.3	774.3	870.5	1026.7	1479.0	2154.3	2872.0	3226.1	4241.8	4547.5	3830.5
65°	521.2	517.8	589.4	669.2	1013.0	1782.6	2712.4	3312.7	4569.3	4889.2	4087.7
67°	383.4	390.9	420.2	472.8	700.6	1427.8	2484.5	3295.6	4720.1	5058.4	4138.1
67.5°	358.8	362.2	402.5	448.9	646.0	1333.7	2419.7	3275.2	4736.4	5054.3	4112.2
70°	260.6	266.1	287.9	301.5	390.9	880.0	1931.3	2953.2	4497.7	4758.3	3739.1
72.5°	139.8	151.4	209.4	208.1	242.9	536.9	1313.2	2191.9	3696.8	3873.5	2870.0
75°	109.1	110.5	124.8	154.2	156.9	298.8	631.7	1273.6	2338.5	2351.5	1593.6
77.5°	79.8	83.2	92.1	97.6	102.3	169.9	221.0	506.2	1035.6	904.6	596.9
80°	53.9	55.9	60.7	72.3	83.9	96.2	71.6	135.1	243.5	189.0	89.4
82.5°	23.2	22.5	42.3	60.7	60.0	39.6	36.2	42.3	48.4	44.3	27.3
85°	1.4	2.0	21.8	29.3	25.2	17.1	22.5	17.7	18.4	17.7	13.6
87.5°	0.7	0.7	2.0	2.7	3.4	3.4	4.1	4.1	5.5	6.1	5.5
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.0	2.0	2.0	2.0	2.0	0.7	0.7	0.0	0.0	0.0	0.0
5°	2.0	2.0	2.0	2.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.0	2.0	2.0	2.0	2.0	0.7	0.0	7.5	20.5	21.8	21.1
10°	2.0	2.0	2.0	2.0	1.4	17.7	24.6	23.2	22.5	21.8	21.8
12.5°	124.2	105.1	19.1	4.1	17.7	22.5	19.8	19.8	19.1	19.1	19.1
15°	271.5	227.9	107.1	36.2	28.0	19.1	17.7	17.7	29.3	32.1	31.4
17.5°	284.5	229.9	105.1	49.1	40.2	24.6	24.6	31.4	30.7	29.3	29.3
20°	541.0	354.7	121.4	48.4	36.8	38.9	29.3	27.3	25.9	24.6	24.6
22.5°	578.5	416.8	130.3	61.4	39.6	38.9	30.0	25.2	32.1	31.4	31.4
25°	747.0	503.5	118.0	57.3	51.2	35.5	32.1	28.0	27.3	25.9	25.9
27.5°	925.7	595.5	130.3	59.4	46.4	34.8	30.0	24.6	25.9	28.7	28.7
30°	1015.1	596.2	103.0	60.7	44.3	35.5	26.6	27.3	25.9	25.2	24.6
32.5°	1362.3	765.4	98.9	58.0	41.6	30.7	27.3	23.9	21.8	23.9	23.9
35°	1423.7	738.8	86.0	58.7	37.5	28.0	23.2	21.8	21.8	21.1	21.1
37.5°	1491.3	710.2	75.7	51.8	36.2	25.2	19.8	19.8	19.1	20.5	20.5
40°	1565.6	680.1	67.5	45.0	30.7	21.1	17.7	17.1	17.7	17.7	17.1
42.5°	1652.3	650.8	60.7	39.6	25.9	17.7	14.3	14.3	14.3	13.6	13.6
45°	1745.0	627.6	55.9	34.1	21.8	15.0	11.6	10.9	10.2	10.2	10.2
47.5°	1854.9	618.1	51.8	28.7	18.4	11.6	8.9	8.2	7.5	6.8	6.8
50°	1947.0	614.0	45.7	23.9	15.7	9.6	6.1	5.5	4.8	4.1	4.1
52.5°	2028.1	596.2	39.6	19.1	12.3	6.8	4.1	2.7	2.0	2.0	2.0
55°	2108.6	579.9	34.1	16.4	8.9	4.1	2.0	0.7	0.7	1.4	1.4
57.5°	2208.2	561.4	29.3	13.6	6.8	2.7	1.4	0.0	0.7	0.7	1.4
60°	2364.5	542.3	25.9	11.6	4.8	2.0	0.7	0.0	0.0	0.7	0.7
62.5°	2504.3	508.9	22.5	10.2	4.1	2.0	0.7	0.0	0.0	0.0	0.7
65°	2565.0	440.0	19.8	8.9	4.1	2.0	0.7	0.0	0.0	0.0	0.0
67°	2463.4	356.1	17.7	8.2	3.4	1.4	0.7	0.0	0.0	0.0	0.0
67.5°	2415.6	332.2	17.7	7.5	3.4	1.4	0.7	0.7	0.0	0.0	0.0
70°	2050.7	220.3	15.7	6.8	3.4	1.4	1.4	0.7	0.0	0.0	0.0
72.5°	1573.8	128.3	13.6	6.1	3.4	1.4	1.4	0.7	0.7	0.0	0.0
75°	880.0	64.8	10.9	6.1	3.4	2.0	2.0	1.4	1.4	1.4	0.0
77.5°	281.7	35.5	8.2	5.5	3.4	2.0	2.0	1.4	2.0	2.0	0.7
80°	44.3	18.4	6.1	4.1	3.4	1.4	2.0	2.0	2.7	2.7	0.7
82.5°	16.4	10.2	4.8	4.1	3.4	1.4	2.0	2.0	2.7	3.4	0.0
85°	7.5	6.1	4.8	4.1	3.4	1.4	2.0	2.0	2.7	3.4	0.0
87.5°	3.4	4.8	4.1	4.1	3.4	1.4	2.0	2.0	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)