

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: P695945

Luminaire Tested: **LXF.LXT-PA16-740-U-T2R**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695945  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-740-U-T2R  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7399 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

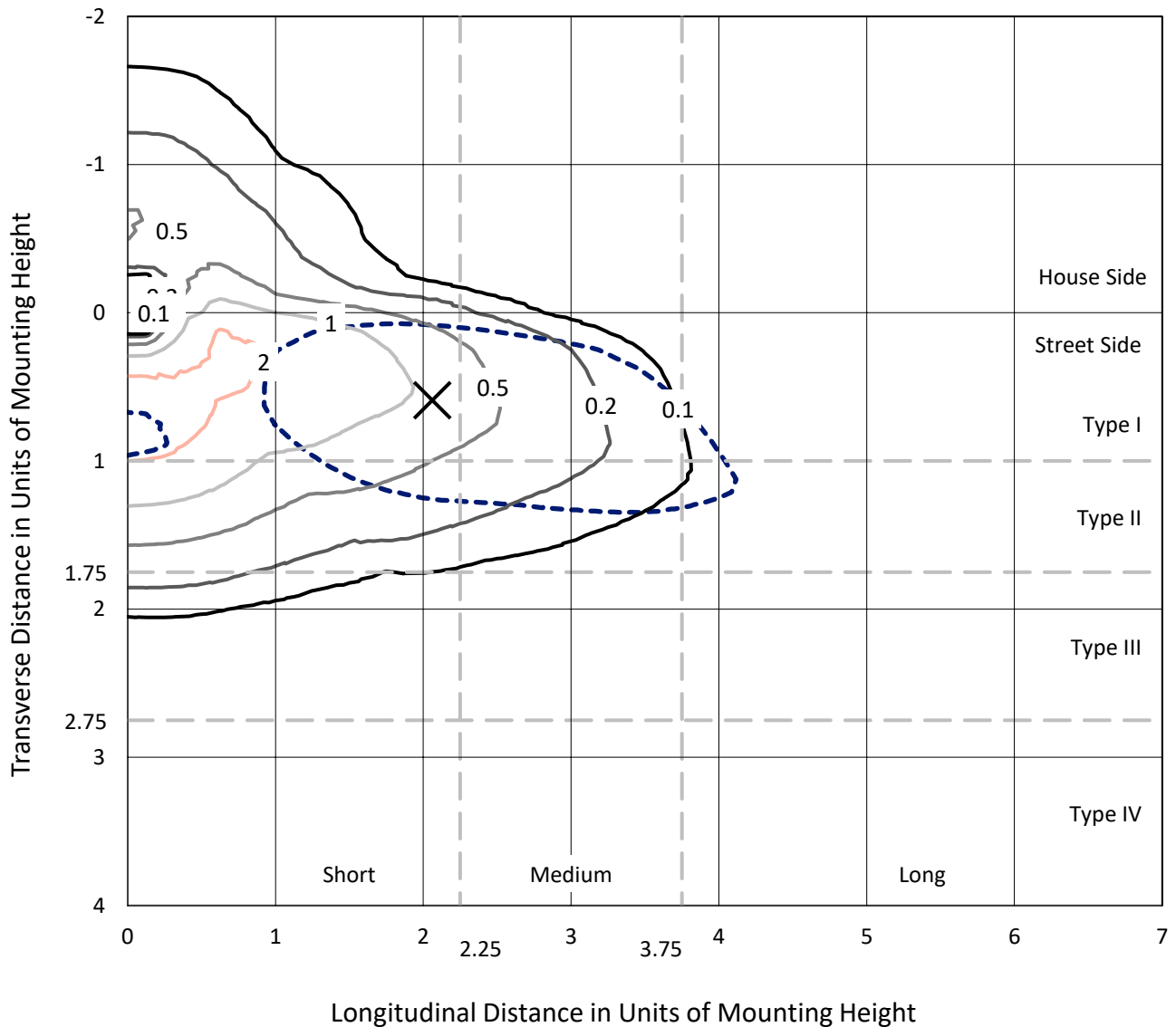
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

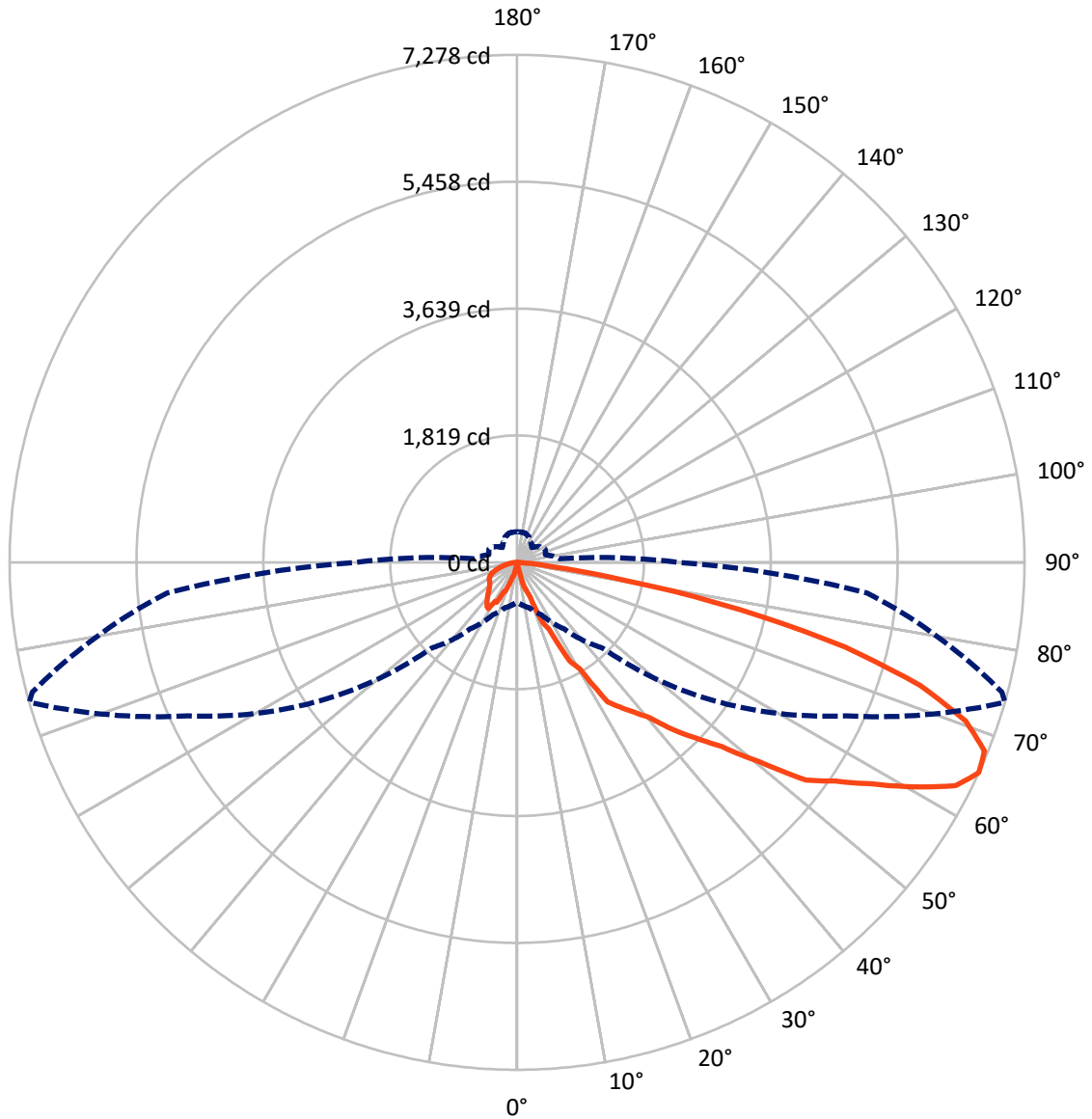
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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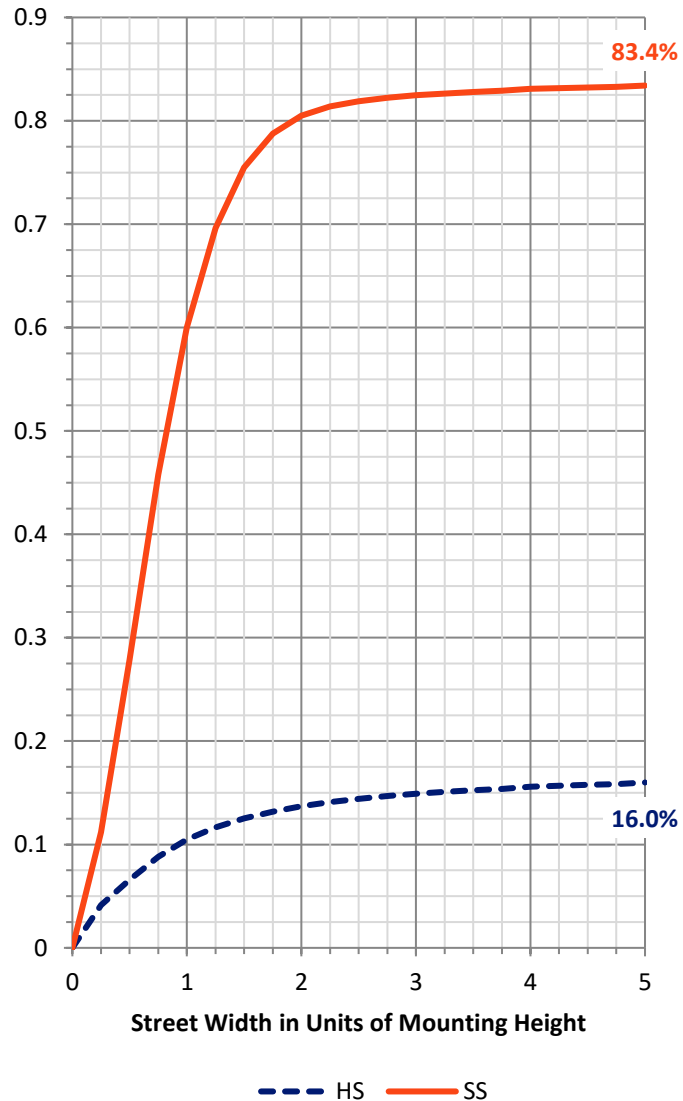
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1212.4	0.0	1212.4
	% Fixture	16.4	0.0	16.4
<b>Street Side</b>	Lumens	6186.6	0.0	6186.6
	% Fixture	83.6	0.0	83.6
<b>Total</b>	Lumens	7399.0	0.0	7399.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	72.3	1.0
20°-30°	436.3	5.9
30°-40°	1056.5	14.3
40°-50°	1480.7	20.0
50°-60°	1749.3	23.6
60°-70°	1604.3	21.7
70°-80°	869.1	11.7
80°-90°	130.3	1.8
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°	7399.0	100.0
0°-180°	7399.0	100.0

**Coefficient of Utilization**



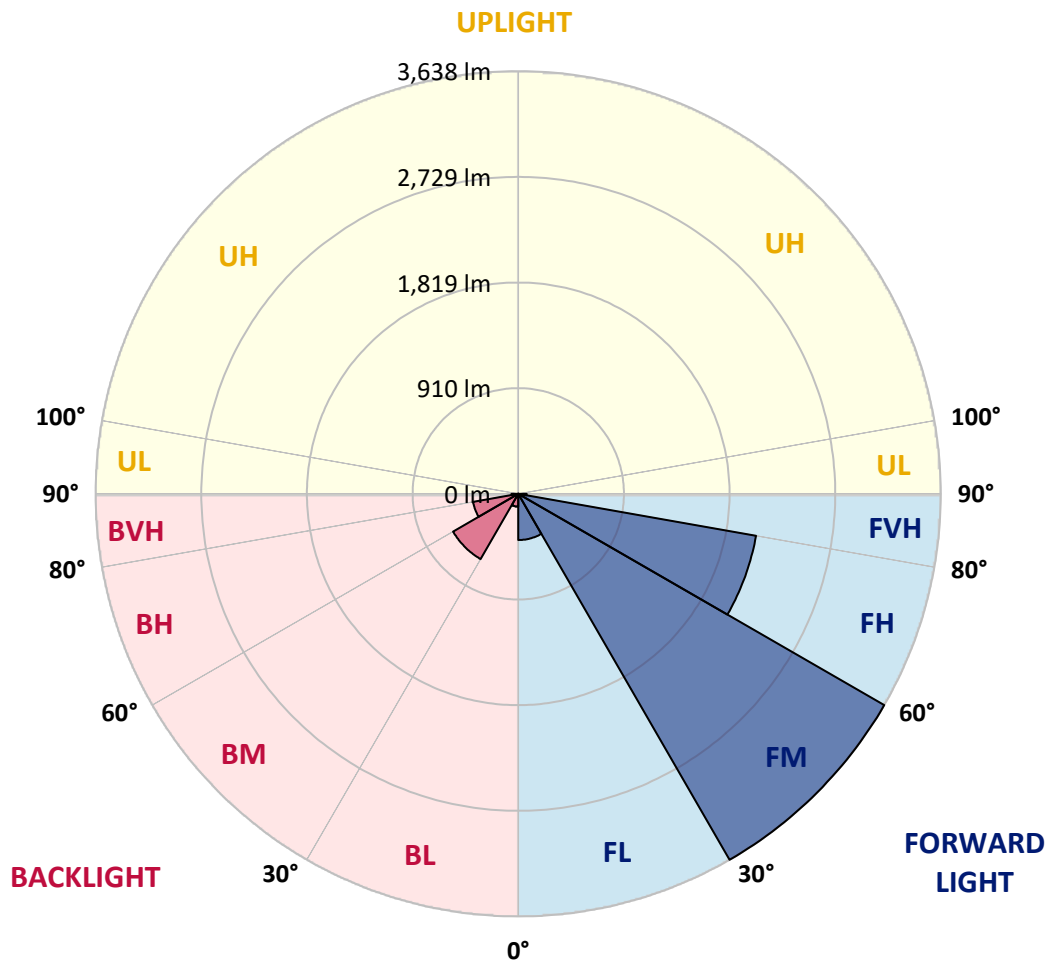
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	398.0	5.4			
FM (30°-60°)	3638.0	49.2			
FH (60°-80°)	2078.6	28.1			G2/5000
FVH (80°-90°)	72.0	1.0			G1/100
BL (0°-30°)	110.9	1.5	B1/500		
BM (30°-60°)	648.4	8.8	B1/1000		
BH (60°-80°)	394.8	5.3	B1/500		G1/500
BVH (80°-90°)	58.3	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6
5°	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6
7.5°	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
10°	36.2	33.6	25.9	15.5	7.8	2.6	2.6	2.6	2.6	2.6	2.6
12.5°	444.7	444.7	439.5	403.3	51.7	18.1	5.2	12.9	25.9	31.0	33.6
15°	504.1	499.0	499.0	493.8	480.9	111.2	49.1	387.8	354.2	343.9	263.7
17.5°	778.2	879.0	597.2	555.8	540.3	444.7	424.0	457.6	405.9	398.1	305.1
20°	1184.1	1184.1	1176.3	1163.4	628.2	866.1	814.4	524.8	532.6	641.2	607.6
22.5°	1323.7	1318.5	1292.7	1274.6	1370.2	938.5	884.2	964.3	941.1	933.3	713.6
25°	2125.2	2101.9	2065.7	1453.0	1499.5	1318.5	1313.4	1233.2	1054.8	1036.7	819.6
27.5°	2324.2	2306.1	2275.1	2073.4	1714.1	1732.2	1375.4	1478.8	1597.7	1608.1	1230.6
30°	3314.4	3286.0	2929.2	2298.4	2171.7	1887.3	1920.9	1874.4	1768.4	1727.0	1328.9
32.5°	3539.3	3523.8	3456.6	2999.0	2360.4	2236.3	2151.0	2068.3	2386.3	2332.0	1869.2
35°	3717.7	3689.3	3622.1	3112.8	2885.2	2598.3	2350.1	2600.9	2554.3	2502.6	1970.0
37.5°	3816.0	3784.9	3717.7	3239.4	3024.9	2727.5	2787.0	2758.6	2727.5	2706.9	2078.6
40°	3797.9	3772.0	3730.7	3322.2	3110.2	2807.7	2999.0	2955.0	2929.2	3037.8	2213.1
42.5°	3712.6	3686.7	3658.3	3363.5	3159.3	2867.1	3177.4	3236.9	3286.0	3265.3	2363.0
45°	3536.8	3513.5	3513.5	3322.2	3133.4	2916.3	3332.5	3526.4	3596.2	3518.7	2556.9
47.5°	3353.2	3335.1	3337.7	3208.4	3084.3	2962.8	3523.8	3761.7	3945.2	3852.2	2836.1
50°	3099.8	3092.1	3130.9	3099.8	3024.9	2968.0	3733.2	4152.1	4493.3	4462.3	3260.1
52.5°	2727.5	2732.7	2841.3	2911.1	2905.9	2931.8	3831.5	4526.9	5186.2	5103.5	3585.9
55°	2407.0	2388.9	2476.8	2637.1	2691.3	2869.7	3885.8	4627.8	5540.4	5460.2	3862.5
57.5°	2003.6	2006.2	2104.5	2269.9	2417.3	2725.0	3932.3	4811.3	5995.4	5902.3	4247.7
60°	1499.5	1551.2	1659.8	1827.8	2042.4	2484.5	3924.6	5062.1	6540.9	6481.5	4689.8
62.5°	979.8	997.9	1150.5	1315.9	1646.9	2174.3	3790.1	5243.1	7058.0	6949.4	4982.0
65°	571.4	605.0	674.8	832.5	1160.8	1739.9	3466.9	5206.9	7277.7	7197.6	5036.3
67.5°	385.2	390.4	424.0	514.5	726.5	1251.3	2926.6	4865.6	7228.6	7156.2	4886.3
70°	323.2	325.8	336.1	346.4	418.8	809.2	2122.6	4185.7	6825.3	6771.0	4521.8
72.5°	289.6	292.1	297.3	289.6	294.7	467.9	1393.5	3472.1	6047.1	5979.9	3916.8
75°	263.7	263.7	263.7	258.5	250.8	287.0	775.6	2665.5	4860.4	4718.3	2978.3
77.5°	230.1	230.1	227.5	227.5	224.9	214.6	380.0	1882.1	3267.9	3128.3	1758.0
80°	188.7	188.7	188.7	191.3	188.7	160.3	204.2	1132.4	1582.2	1551.2	679.9
82.5°	113.8	116.3	131.9	152.5	149.9	113.8	137.0	522.2	480.9	452.4	212.0
85°	15.5	12.9	36.2	51.7	62.0	41.4	56.9	118.9	111.2	116.3	51.7
87.5°	0.0	0.0	0.0	2.6	2.6	5.2	7.8	7.8	7.8	7.8	7.8
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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	2.6	2.6	0.0
5°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	41.4	38.8	25.9	10.3	0.0	0.0	0.0	0.0	0.0	2.6	2.6
15°	235.3	214.6	196.5	165.5	33.6	5.2	2.6	18.1	41.4	93.1	95.7
17.5°	268.9	243.0	219.8	204.2	183.6	54.3	38.8	188.7	199.1	199.1	199.1
20°	519.7	460.2	318.0	230.1	199.1	165.5	181.0	204.2	212.0	214.6	214.6
22.5°	597.2	517.1	447.3	393.0	230.1	284.4	266.3	222.3	349.0	359.4	361.9
25°	679.9	584.3	473.1	411.1	390.4	292.1	305.1	343.9	369.7	369.7	369.7
27.5°	997.9	817.0	659.3	473.1	418.8	356.8	374.9	354.2	382.6	467.9	483.5
30°	1067.7	853.2	656.7	527.4	444.7	416.2	374.9	462.8	496.4	496.4	493.8
32.5°	1458.1	1116.9	811.8	524.8	480.9	411.1	449.8	478.3	501.6	535.2	548.1
35°	1517.6	1114.3	780.8	605.0	473.1	431.8	457.6	509.3	594.6	607.6	599.8
37.5°	1564.1	1093.6	734.2	576.5	509.3	449.8	470.5	558.4	597.2	592.0	581.7
40°	1618.4	1065.2	682.5	555.8	491.2	449.8	501.6	555.8	571.4	548.1	542.9
42.5°	1685.6	1029.0	636.0	530.0	473.1	447.3	496.4	524.8	524.8	519.7	514.5
45°	1778.7	995.4	592.0	501.6	465.4	436.9	483.5	483.5	514.5	509.3	506.7
47.5°	1941.6	961.7	553.3	478.3	455.0	424.0	449.8	467.9	504.1	501.6	499.0
50°	2117.4	925.6	522.2	462.8	444.7	408.5	411.1	452.4	493.8	491.2	488.6
52.5°	2228.6	860.9	499.0	457.6	434.3	393.0	398.1	439.5	486.0	480.9	475.7
55°	2311.3	804.0	483.5	455.0	424.0	356.8	387.8	429.2	475.7	467.9	462.8
57.5°	2425.1	757.5	473.1	460.2	416.2	330.9	374.9	418.8	465.4	457.6	457.6
60°	2536.2	718.7	462.8	462.8	413.7	318.0	364.5	411.1	455.0	452.4	452.4
62.5°	2533.6	672.2	444.7	460.2	411.1	307.7	356.8	403.3	444.7	447.3	444.7
65°	2313.9	612.7	418.8	444.7	393.0	299.9	346.4	403.3	434.3	436.9	436.9
67.5°	2034.7	537.8	377.5	418.8	361.9	294.7	338.7	395.6	416.2	429.2	429.2
70°	1716.7	442.1	325.8	382.6	330.9	289.6	338.7	382.6	395.6	421.4	418.8
72.5°	1406.4	349.0	271.5	333.5	297.3	284.4	341.3	364.5	369.7	403.3	393.0
75°	1070.3	263.7	217.2	271.5	255.9	279.2	336.1	338.7	336.1	346.4	330.9
77.5°	695.5	199.1	175.8	206.8	212.0	266.3	325.8	307.7	292.1	284.4	276.6
80°	318.0	142.2	134.4	160.3	157.7	245.6	307.7	274.0	250.8	237.9	227.5
82.5°	129.3	93.1	93.1	116.3	108.6	214.6	276.6	235.3	206.8	196.5	191.3
85°	36.2	38.8	41.4	62.0	64.6	165.5	222.3	183.6	149.9	222.3	204.2
87.5°	5.2	5.2	5.2	7.8	7.8	10.3	31.0	41.4	54.3	23.3	20.7
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)