

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: P695705

Luminaire Tested: **LXF.LXT-PA16-60-750-U-T2R**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695705  
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-PA16-60-750-U-T2R  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6662 lumens  
Efficiency: N/A  
Efficacy: 107.5 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

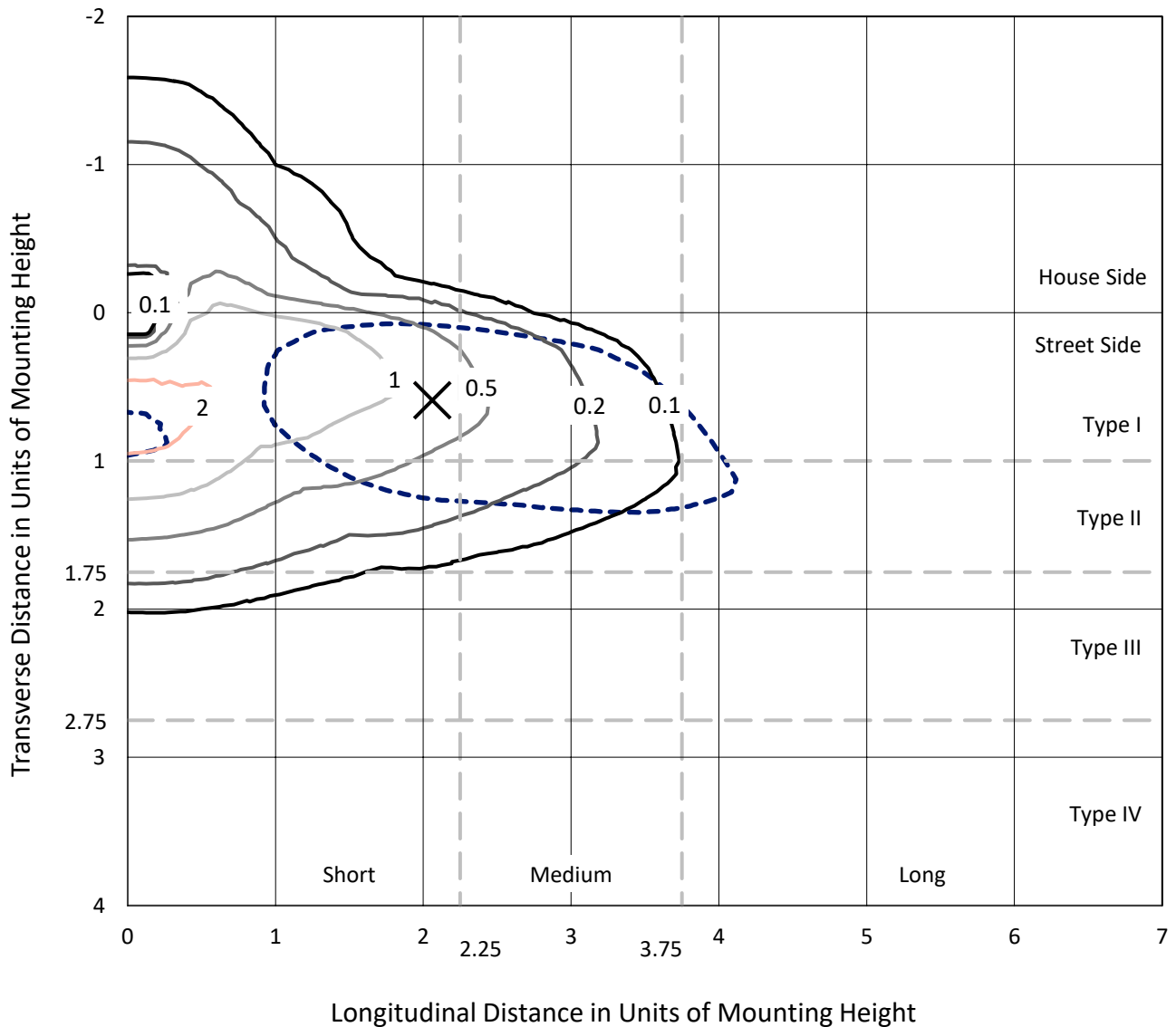
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

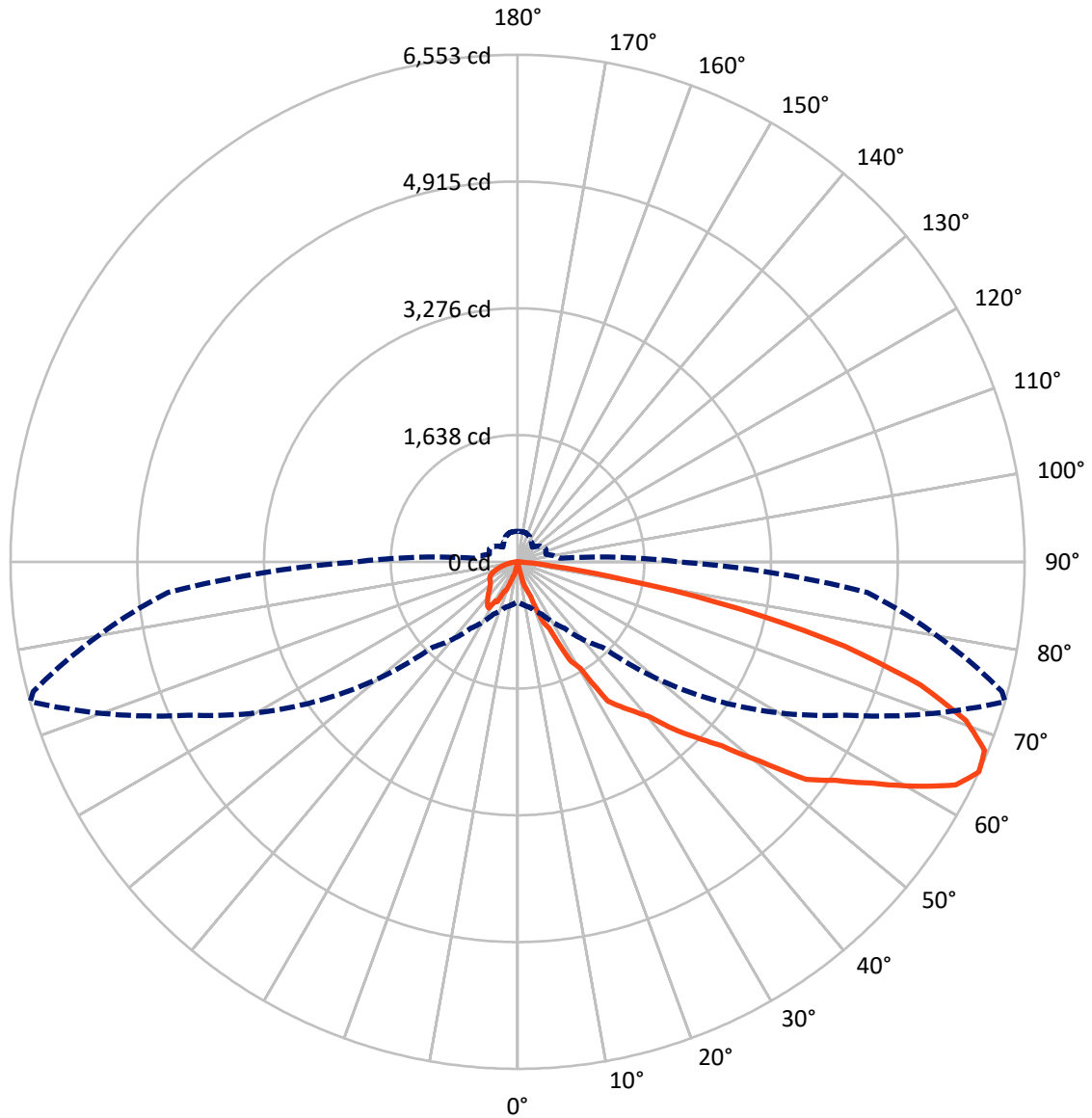
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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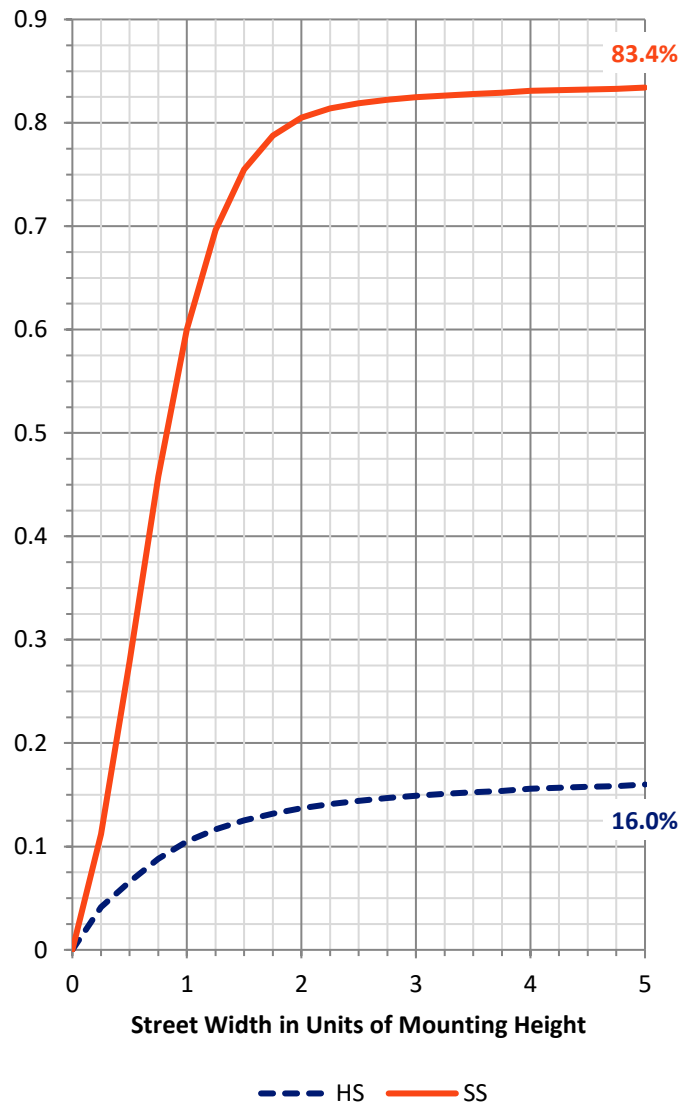
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1091.6	0.0	1091.6
	% Fixture	16.4	0.0	16.4
<b>Street Side</b>	Lumens	5570.4	0.0	5570.4
	% Fixture	83.6	0.0	83.6
<b>Total</b>	Lumens	6662.0	0.0	6662.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	65.1	1.0
20°-30°	392.9	5.9
30°-40°	951.2	14.3
40°-50°	1333.2	20.0
50°-60°	1575.0	23.6
60°-70°	1444.5	21.7
70°-80°	782.5	11.7
80°-90°	117.3	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°	6662.0	100.0
0°-180°	6662.0	100.0

**Coefficient of Utilization**



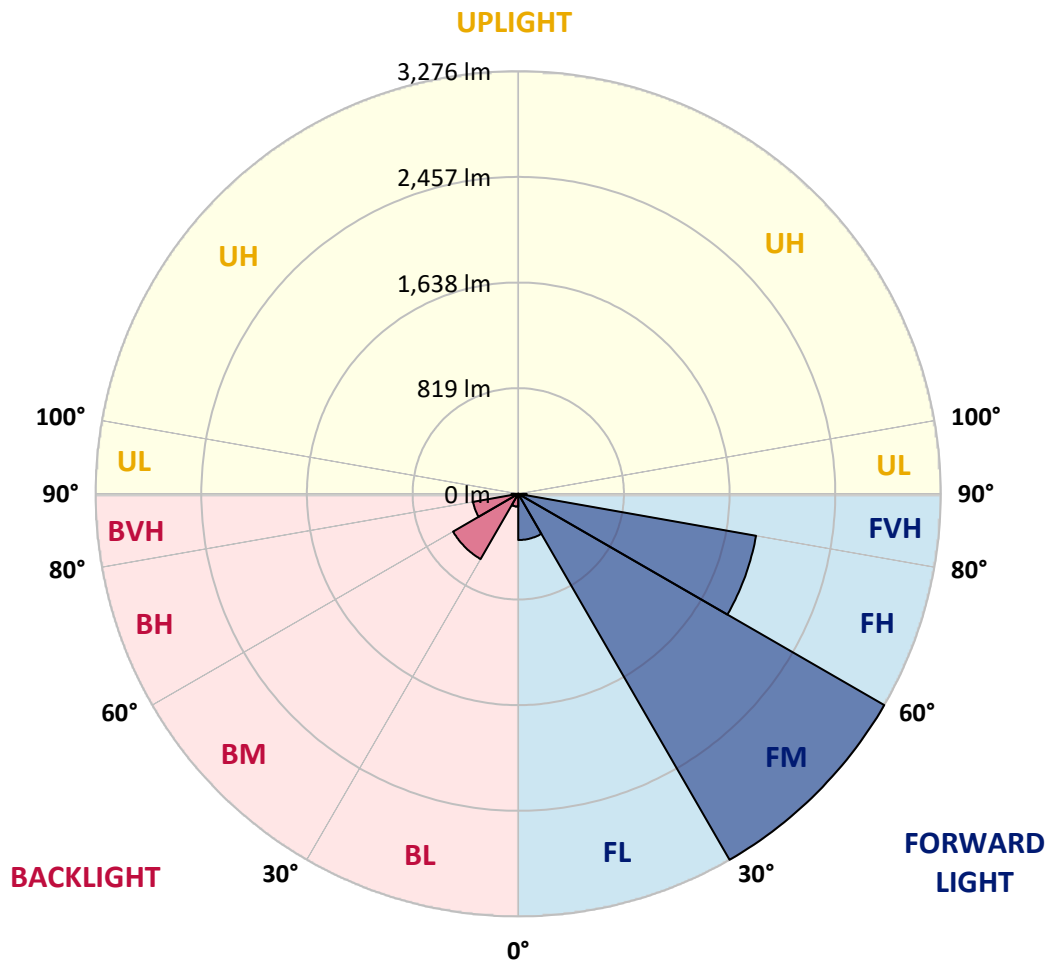
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.3	5.4			
FM (30°-60°)	3275.7	49.2			
FH (60°-80°)	1871.5	28.1			G2/5000
FVH (80°-90°)	64.9	1.0			G1/100
BL (0°-30°)	99.9	1.5	B0/110		
BM (30°-60°)	583.8	8.8	B1/1000		
BH (60°-80°)	355.5	5.3	B1/500		G1/500
BVH (80°-90°)	52.5	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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
5°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
7.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
10°	32.6	30.3	23.3	14.0	7.0	2.3	2.3	2.3	2.3	2.3	2.3
12.5°	400.4	400.4	395.7	363.1	46.6	16.3	4.7	11.6	23.3	27.9	30.3
15°	453.9	449.3	449.3	444.6	433.0	100.1	44.2	349.2	318.9	309.6	237.4
17.5°	700.7	791.5	537.7	500.5	486.5	400.4	381.8	412.0	365.5	358.5	274.7
20°	1066.1	1066.1	1059.2	1047.5	565.7	779.8	733.3	472.5	479.5	577.3	547.0
22.5°	1191.8	1187.2	1163.9	1147.6	1233.7	845.0	796.1	868.3	847.3	840.3	642.5
25°	1913.5	1892.5	1859.9	1308.2	1350.1	1187.2	1182.5	1110.4	949.8	933.5	737.9
27.5°	2092.7	2076.4	2048.5	1866.9	1543.3	1559.6	1238.4	1331.5	1438.6	1447.9	1108.0
30°	2984.3	2958.7	2637.4	2069.4	1955.4	1699.3	1729.6	1687.7	1592.2	1555.0	1196.5
32.5°	3186.8	3172.8	3112.3	2700.3	2125.3	2013.6	1936.7	1862.3	2148.6	2099.7	1683.0
35°	3347.4	3321.8	3261.3	2802.7	2597.9	2339.5	2116.0	2341.8	2299.9	2253.3	1773.8
37.5°	3435.9	3407.9	3347.4	2916.8	2723.6	2455.9	2509.4	2483.8	2455.9	2437.2	1871.6
40°	3419.6	3396.3	3359.0	2991.3	2800.4	2528.0	2700.3	2660.7	2637.4	2735.2	1992.6
42.5°	3342.8	3319.5	3293.9	3028.5	2844.6	2581.6	2860.9	2914.4	2958.7	2940.0	2127.6
45°	3184.5	3163.5	3163.5	2991.3	2821.3	2625.8	3000.6	3175.2	3238.0	3168.2	2302.2
47.5°	3019.2	3002.9	3005.2	2888.8	2777.1	2667.7	3172.8	3387.0	3552.3	3468.5	2553.6
50°	2791.1	2784.1	2819.0	2791.1	2723.6	2672.3	3361.4	3738.5	4045.8	4017.8	2935.4
52.5°	2455.9	2460.5	2558.3	2621.1	2616.5	2639.8	3449.8	4076.0	4669.6	4595.1	3228.7
55°	2167.2	2150.9	2230.1	2374.4	2423.3	2583.9	3498.7	4166.8	4988.5	4916.4	3477.8
57.5°	1804.1	1806.4	1894.8	2043.8	2176.5	2453.5	3540.6	4332.1	5398.2	5314.4	3824.6
60°	1350.1	1396.7	1494.5	1645.8	1839.0	2237.0	3533.6	4557.9	5889.4	5835.9	4222.7
62.5°	882.2	898.5	1035.9	1184.9	1482.8	1957.7	3412.6	4720.8	6355.0	6257.2	4485.7
65°	514.4	544.7	607.6	749.6	1045.2	1566.6	3121.6	4688.2	6552.8	6480.7	4534.6
67.5°	346.8	351.5	381.8	463.2	654.1	1126.7	2635.1	4381.0	6508.6	6443.4	4399.6
70°	291.0	293.3	302.6	311.9	377.1	728.6	1911.1	3768.7	6145.5	6096.6	4071.4
72.5°	260.7	263.0	267.7	260.7	265.4	421.3	1254.7	3126.3	5444.8	5384.3	3526.7
75°	237.4	237.4	237.4	232.8	225.8	258.4	698.3	2400.0	4376.3	4248.3	2681.7
77.5°	207.2	207.2	204.8	204.8	202.5	193.2	342.2	1694.7	2942.4	2816.7	1582.9
80°	169.9	169.9	169.9	172.3	169.9	144.3	183.9	1019.6	1424.6	1396.7	612.2
82.5°	102.4	104.8	118.7	137.3	135.0	102.4	123.4	470.2	433.0	407.4	190.9
85°	14.0	11.6	32.6	46.6	55.9	37.2	51.2	107.1	100.1	104.8	46.6
87.5°	0.0	0.0	0.0	2.3	2.3	4.7	7.0	7.0	7.0	7.0	7.0
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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	0.0
5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	37.2	34.9	23.3	9.3	0.0	0.0	0.0	0.0	0.0	2.3	2.3
15°	211.8	193.2	176.9	149.0	30.3	4.7	2.3	16.3	37.2	83.8	86.1
17.5°	242.1	218.8	197.9	183.9	165.3	48.9	34.9	169.9	179.2	179.2	179.2
20°	467.9	414.4	286.3	207.2	179.2	149.0	162.9	183.9	190.9	193.2	193.2
22.5°	537.7	465.6	402.7	353.8	207.2	256.1	239.8	200.2	314.3	323.6	325.9
25°	612.2	526.1	426.0	370.1	351.5	263.0	274.7	309.6	332.9	332.9	332.9
27.5°	898.5	735.6	593.6	426.0	377.1	321.2	337.5	318.9	344.5	421.3	435.3
30°	961.4	768.2	591.3	474.9	400.4	374.8	337.5	416.7	446.9	446.9	444.6
32.5°	1312.9	1005.6	730.9	472.5	433.0	370.1	405.0	430.6	451.6	481.9	493.5
35°	1366.4	1003.3	703.0	544.7	426.0	388.7	412.0	458.6	535.4	547.0	540.1
37.5°	1408.3	984.7	661.1	519.1	458.6	405.0	423.7	502.8	537.7	533.1	523.8
40°	1457.2	959.1	614.5	500.5	442.3	405.0	451.6	500.5	514.4	493.5	488.8
42.5°	1517.7	926.5	572.6	477.2	426.0	402.7	446.9	472.5	472.5	467.9	463.2
45°	1601.5	896.2	533.1	451.6	419.0	393.4	435.3	435.3	463.2	458.6	456.3
47.5°	1748.2	866.0	498.2	430.6	409.7	381.8	405.0	421.3	453.9	451.6	449.3
50°	1906.5	833.4	470.2	416.7	400.4	367.8	370.1	407.4	444.6	442.3	440.0
52.5°	2006.6	775.2	449.3	412.0	391.1	353.8	358.5	395.7	437.6	433.0	428.3
55°	2081.1	724.0	435.3	409.7	381.8	321.2	349.2	386.4	428.3	421.3	416.7
57.5°	2183.5	682.1	426.0	414.4	374.8	298.0	337.5	377.1	419.0	412.0	412.0
60°	2283.6	647.1	416.7	416.7	372.5	286.3	328.2	370.1	409.7	407.4	407.4
62.5°	2281.3	605.2	400.4	414.4	370.1	277.0	321.2	363.1	400.4	402.7	400.4
65°	2083.4	551.7	377.1	400.4	353.8	270.0	311.9	363.1	391.1	393.4	393.4
67.5°	1832.0	484.2	339.9	377.1	325.9	265.4	304.9	356.2	374.8	386.4	386.4
70°	1545.7	398.1	293.3	344.5	298.0	260.7	304.9	344.5	356.2	379.4	377.1
72.5°	1266.3	314.3	244.4	300.3	267.7	256.1	307.3	328.2	332.9	363.1	353.8
75°	963.7	237.4	195.5	244.4	230.5	251.4	302.6	304.9	302.6	311.9	298.0
77.5°	626.2	179.2	158.3	186.2	190.9	239.8	293.3	277.0	263.0	256.1	249.1
80°	286.3	128.0	121.0	144.3	142.0	221.1	277.0	246.7	225.8	214.2	204.8
82.5°	116.4	83.8	83.8	104.8	97.8	193.2	249.1	211.8	186.2	176.9	172.3
85°	32.6	34.9	37.2	55.9	58.2	149.0	200.2	165.3	135.0	200.2	183.9
87.5°	4.7	4.7	4.7	7.0	7.0	9.3	27.9	37.2	48.9	21.0	18.6
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)