

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: P415746

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T4W**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415746  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-830-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5174 lumens  
Efficiency: N/A  
Efficacy: 95.8 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

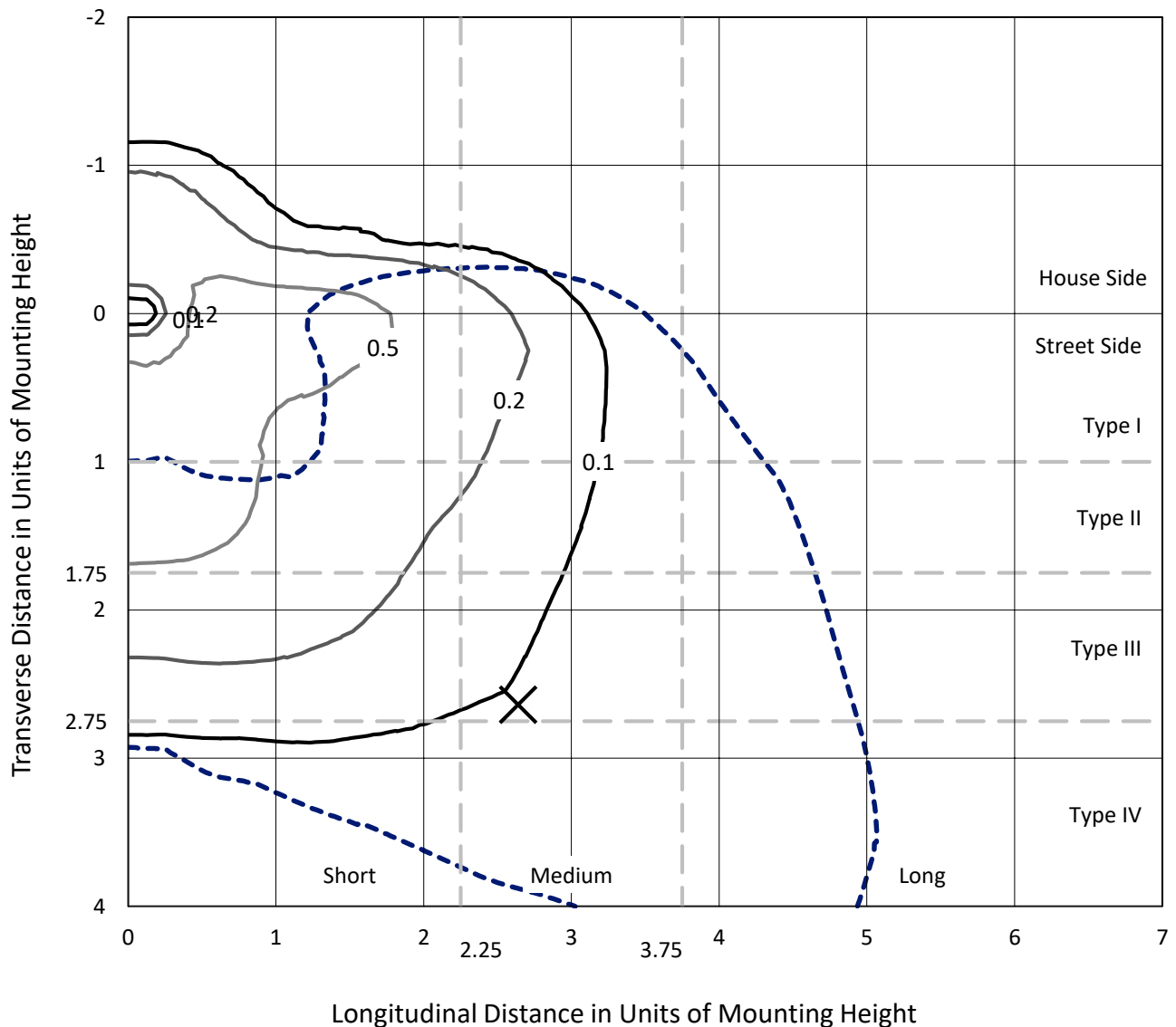
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

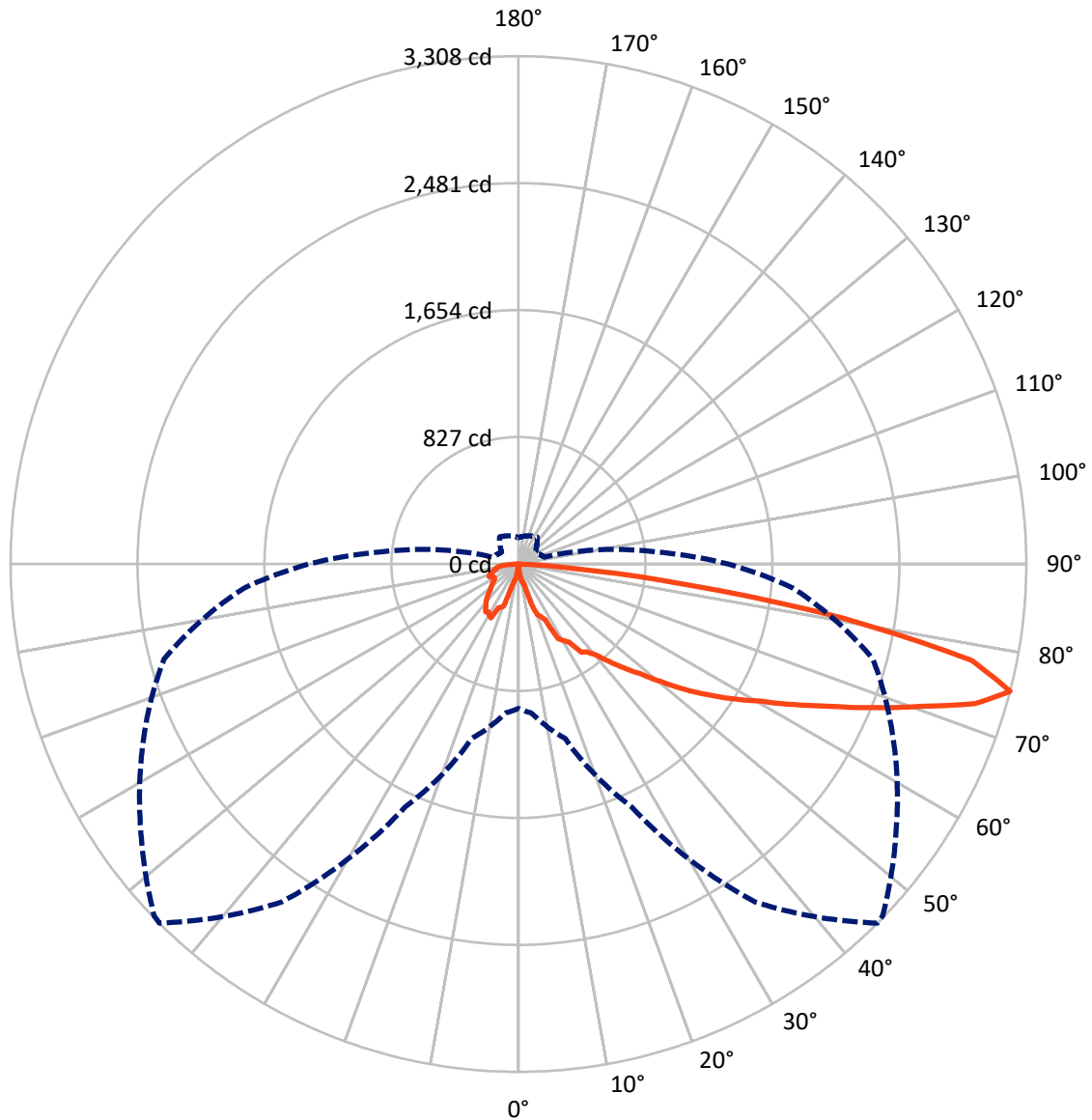


Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical



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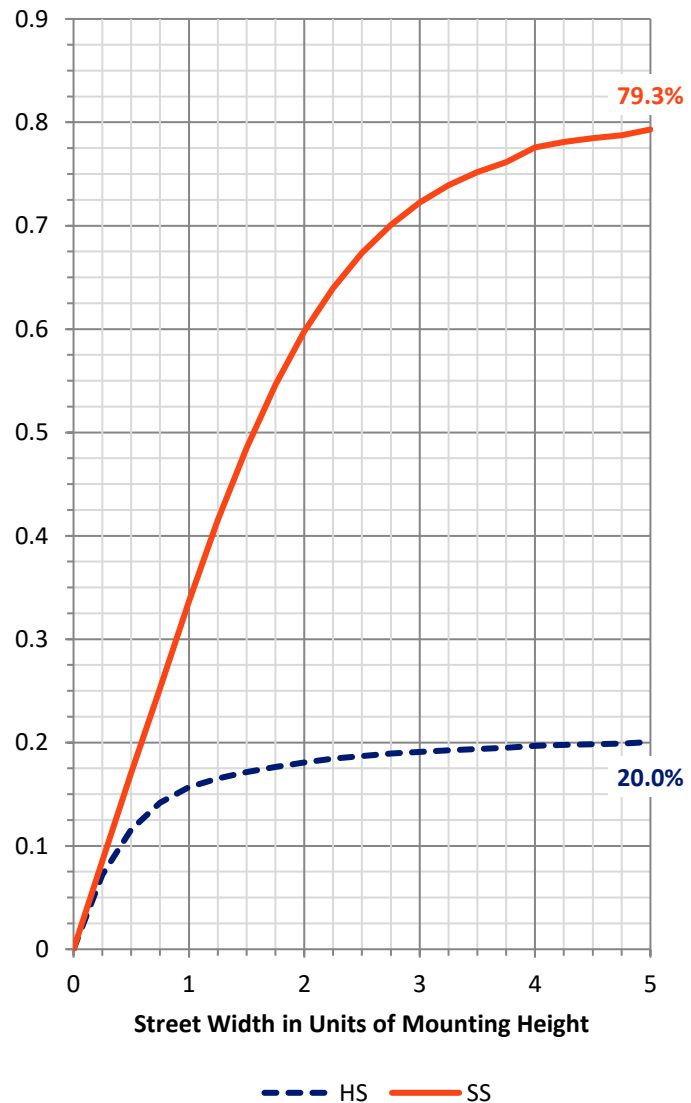
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1061.2	0.0	1061.2
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	4112.8	0.0	4112.8
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	5174.0	0.0	5174.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	53.4	1.0
20°-30°	198.8	3.8
30°-40°	409.6	7.9
40°-50°	649.5	12.6
50°-60°	1026.7	19.8
60°-70°	1442.4	27.9
70°-80°	1200.8	23.2
80°-90°	189.3	3.7
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°	5174.0	100.0
0°-180°	5174.0	100.0

**Coefficient of Utilization**



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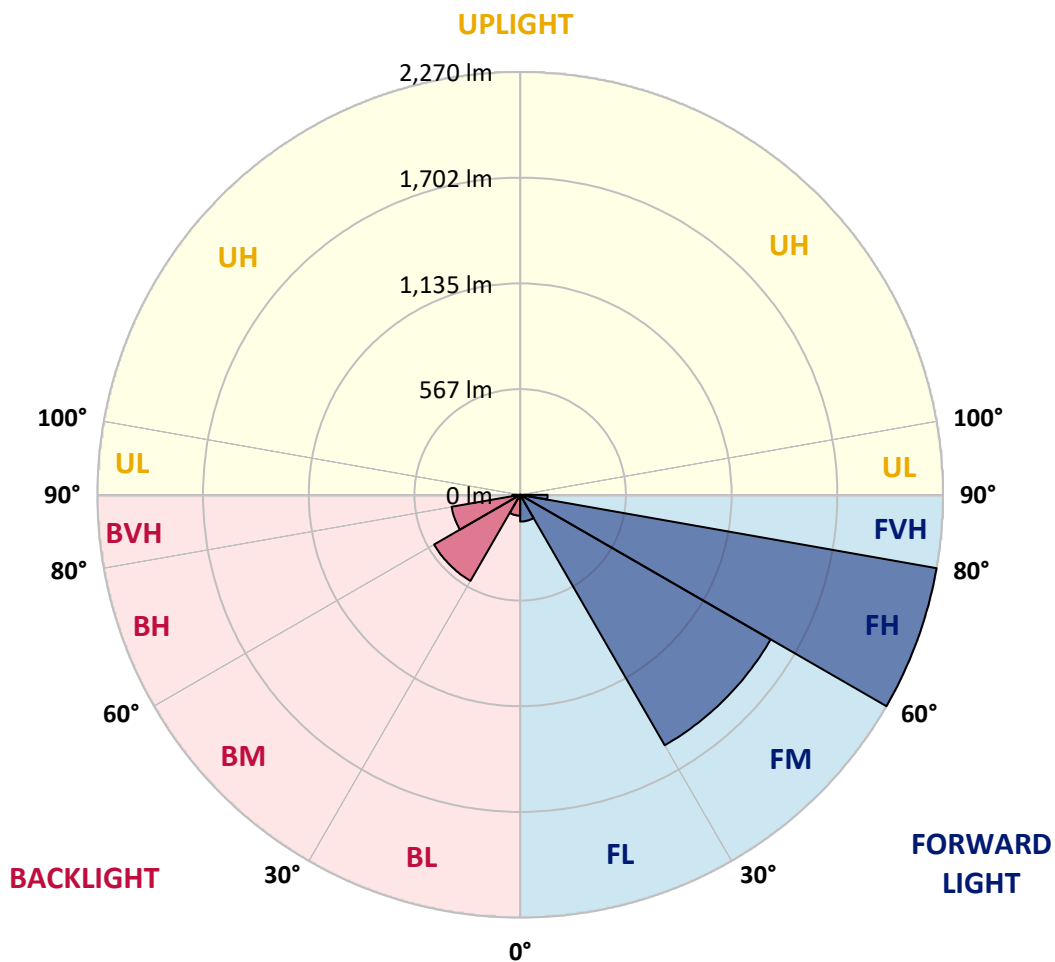
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	143.7	2.8			
FM (30°-60°)	1552.4	30.0			
FH (60°-80°)	2269.7	43.9			G2/5000
FVH (80°-90°)	147.0	2.8			G2/225
BL (0°-30°)	112.0	2.2	B1/500		
BM (30°-60°)	533.3	10.3	B1/1000		
BH (60°-80°)	373.6	7.2	B1/500		G1/500
BVH (80°-90°)	42.3	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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	2.8	2.8	2.8	2.8	2.8	2.2	2.2	1.7	2.2	2.2	2.2
5°	39.8	37.6	29.7	26.4	21.9	9.0	7.3	3.4	2.8	2.8	2.2
7.5°	118.4	117.3	115.6	111.7	106.6	66.8	57.8	20.8	3.9	2.8	2.2
10°	130.7	128.5	125.7	121.8	117.3	111.7	111.1	102.1	18.5	6.2	5.1
12.5°	257.0	252.5	211.0	152.6	126.3	119.5	119.5	115.6	83.6	29.2	68.5
15°	276.1	273.8	266.0	255.9	240.7	138.6	135.8	180.7	222.8	156.0	165.5
17.5°	310.3	305.3	281.1	268.8	257.6	279.4	277.8	258.7	244.1	172.8	185.7
20°	432.6	429.8	419.7	300.8	277.2	353.5	354.6	293.5	265.4	305.8	303.6
22.5°	442.7	442.2	434.9	416.9	439.4	370.9	371.5	390.0	387.7	405.7	368.1
25°	579.1	577.4	468.5	429.8	479.8	399.5	417.5	483.7	432.1	439.9	459.6
27.5°	594.2	593.1	586.9	560.0	496.6	550.5	550.5	500.0	550.5	576.3	579.7
30°	675.6	654.3	611.1	598.2	578.5	578.0	579.7	579.1	636.9	603.2	636.9
32.5°	794.6	790.1	774.4	648.7	643.1	606.0	625.1	668.9	664.9	767.1	810.8
35°	966.3	905.1	849.6	748.6	667.8	705.9	708.7	693.6	774.4	806.9	868.6
37.5°	1205.9	1189.0	1110.5	842.8	744.1	725.5	727.2	776.6	823.2	859.1	928.1
40°	1380.4	1371.4	1317.0	1031.9	815.9	778.9	782.8	814.8	858.0	921.9	993.8
42.5°	1547.6	1547.6	1515.6	1193.5	970.2	869.8	867.0	873.7	904.6	971.9	1090.8
45°	1656.5	1650.3	1677.2	1345.6	1085.2	967.4	956.7	955.1	966.3	1046.0	1221.0
47.5°	1765.9	1749.1	1774.9	1499.4	1235.6	1068.4	1069.5	1048.8	1063.9	1186.2	1398.9
50°	1881.5	1884.9	1881.5	1629.0	1383.2	1205.9	1196.3	1170.0	1200.3	1350.7	1598.1
52.5°	2046.5	2034.7	2001.6	1794.0	1571.7	1358.5	1343.4	1305.2	1376.5	1544.2	1847.3
55°	2166.5	2155.3	2146.3	1970.7	1716.5	1506.1	1497.1	1455.0	1588.6	1739.5	2104.3
57.5°	2297.3	2283.8	2309.6	2212.0	1943.8	1660.4	1648.6	1622.8	1806.3	1962.3	2365.8
60°	2385.4	2386.0	2456.7	2386.0	2133.4	1814.7	1803.5	1822.6	2005.5	2166.5	2648.0
62.5°	2385.4	2403.9	2559.3	2576.2	2336.6	2016.2	1996.5	2007.2	2222.1	2380.9	2879.8
65°	2159.3	2182.3	2544.8	2631.2	2540.3	2233.9	2224.3	2217.6	2426.9	2550.4	3061.6
67.5°	1928.6	1957.2	2323.7	2634.0	2706.9	2498.2	2463.4	2406.7	2603.7	2676.6	3159.2
70°	1768.7	1792.3	2083.5	2543.6	2814.7	2775.4	2752.4	2603.1	2722.1	2756.9	3049.2
72.5°	1508.9	1511.1	1770.4	2352.8	2887.0	3110.4	3056.5	2820.8	2788.8	2704.7	2585.7
75°	940.5	974.7	1176.7	1746.3	2687.3	3307.9	3297.8	3003.8	2693.5	2389.9	1792.8
77.5°	350.1	370.4	492.1	896.7	1923.0	3017.2	3026.2	2805.1	2278.2	1731.7	962.9
80°	113.9	122.3	162.7	289.0	854.0	2147.5	2217.6	1989.8	1397.2	879.9	405.7
82.5°	63.4	61.2	94.3	149.8	364.7	1112.7	1158.7	956.7	658.8	368.1	151.5
85°	29.2	30.3	44.9	81.4	194.7	310.3	335.0	327.1	249.7	151.5	55.6
87.5°	6.2	7.3	10.1	19.1	30.3	26.4	19.1	33.7	48.8	35.9	9.5
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	2.2	2.2	1.7	1.7	1.1	1.1	0.6	0.6	1.1	1.1	1.1
5°	2.2	2.2	1.7	1.7	1.7	1.7	2.2	3.9	4.5	5.1	4.5
7.5°	2.2	2.2	2.2	2.2	2.8	5.6	26.4	80.8	85.9	87.5	89.8
10°	5.1	4.5	4.5	5.1	17.4	84.7	102.1	107.7	110.5	112.2	111.7
12.5°	78.0	77.4	28.6	17.4	81.4	107.2	110.0	113.3	119.0	124.6	122.3
15°	165.0	164.4	151.5	157.1	158.2	116.7	119.0	194.7	207.6	216.0	218.8
17.5°	179.6	181.2	176.2	217.2	222.2	176.8	198.1	217.2	221.6	224.5	225.0
20°	333.3	299.6	256.4	243.0	236.8	291.8	221.1	223.3	288.4	309.2	311.4
22.5°	366.4	363.6	340.0	350.1	295.7	304.1	286.2	301.9	331.1	337.2	337.2
25°	473.0	468.0	388.3	364.7	375.4	312.6	361.4	328.8	339.5	350.7	351.8
27.5°	581.3	575.2	518.5	410.2	372.0	394.5	367.0	396.7	429.3	445.0	445.5
30°	631.8	623.4	540.9	462.4	387.2	386.1	385.5	438.8	436.0	446.1	448.9
32.5°	839.5	826.0	691.3	454.5	401.8	367.0	409.1	427.0	491.0	522.4	525.8
35°	890.0	873.1	694.7	502.8	379.3	378.2	379.3	438.2	473.0	495.5	500.5
37.5°	947.8	924.8	686.8	471.4	388.3	352.4	360.8	395.6	471.4	521.9	525.8
40°	1019.6	984.2	684.6	439.9	361.9	333.3	331.6	378.2	411.9	442.7	445.5
42.5°	1118.9	1062.2	681.2	407.4	331.1	310.3	313.1	333.3	360.2	357.4	361.9
45°	1250.8	1159.3	675.6	378.8	299.6	281.7	280.0	294.6	306.9	289.0	283.9
47.5°	1415.7	1279.4	684.6	351.3	270.5	253.6	254.2	260.4	262.6	243.0	238.5
50°	1603.2	1415.2	694.1	321.0	246.9	234.0	231.2	233.4	230.1	211.0	209.3
52.5°	1826.5	1574.5	699.2	292.4	227.8	217.7	214.4	212.7	207.6	194.7	193.0
55°	2085.2	1765.9	709.8	269.3	212.1	202.6	200.9	198.6	197.0	189.7	188.5
57.5°	2350.0	1976.9	703.7	245.8	197.0	188.5	191.9	195.8	200.3	197.5	197.0
60°	2593.0	2145.2	627.4	225.0	182.4	180.1	194.7	213.2	216.6	219.4	218.8
62.5°	2774.8	2230.0	497.7	207.1	172.3	180.7	216.0	241.8	238.5	231.2	229.5
65°	2838.8	2206.4	383.3	193.6	167.2	195.8	238.5	252.0	232.9	219.4	216.6
67.5°	2796.1	2090.2	296.8	182.4	164.4	208.7	246.3	242.4	220.5	210.4	206.5
70°	2577.9	1848.4	235.7	172.8	161.6	200.9	242.4	231.2	210.4	201.4	195.3
72.5°	2109.3	1461.8	202.0	162.2	149.8	184.6	230.1	216.0	201.4	189.7	184.1
75°	1364.1	898.9	175.6	149.8	134.1	167.2	214.4	201.4	189.1	177.3	171.7
77.5°	656.5	408.5	153.8	134.7	119.5	154.3	201.4	186.3	174.0	162.2	155.4
80°	276.6	193.0	131.3	119.5	108.9	144.8	187.4	170.0	156.0	147.6	140.3
82.5°	134.7	106.6	99.9	97.1	94.8	131.9	172.3	150.9	136.4	128.5	112.2
85°	45.5	46.0	61.7	60.0	66.8	105.5	140.8	114.5	102.1	88.7	83.0
87.5°	4.5	6.2	8.4	10.7	21.9	29.2	48.3	39.3	30.9	11.8	7.9
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)