

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: P415174

Luminaire Tested: **LXF.LXT-PA1-40-750-U-T4W**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415174  
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-PA1-40-750-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5048 lumens  
Efficiency: N/A  
Efficacy: 126.2 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): 40  
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

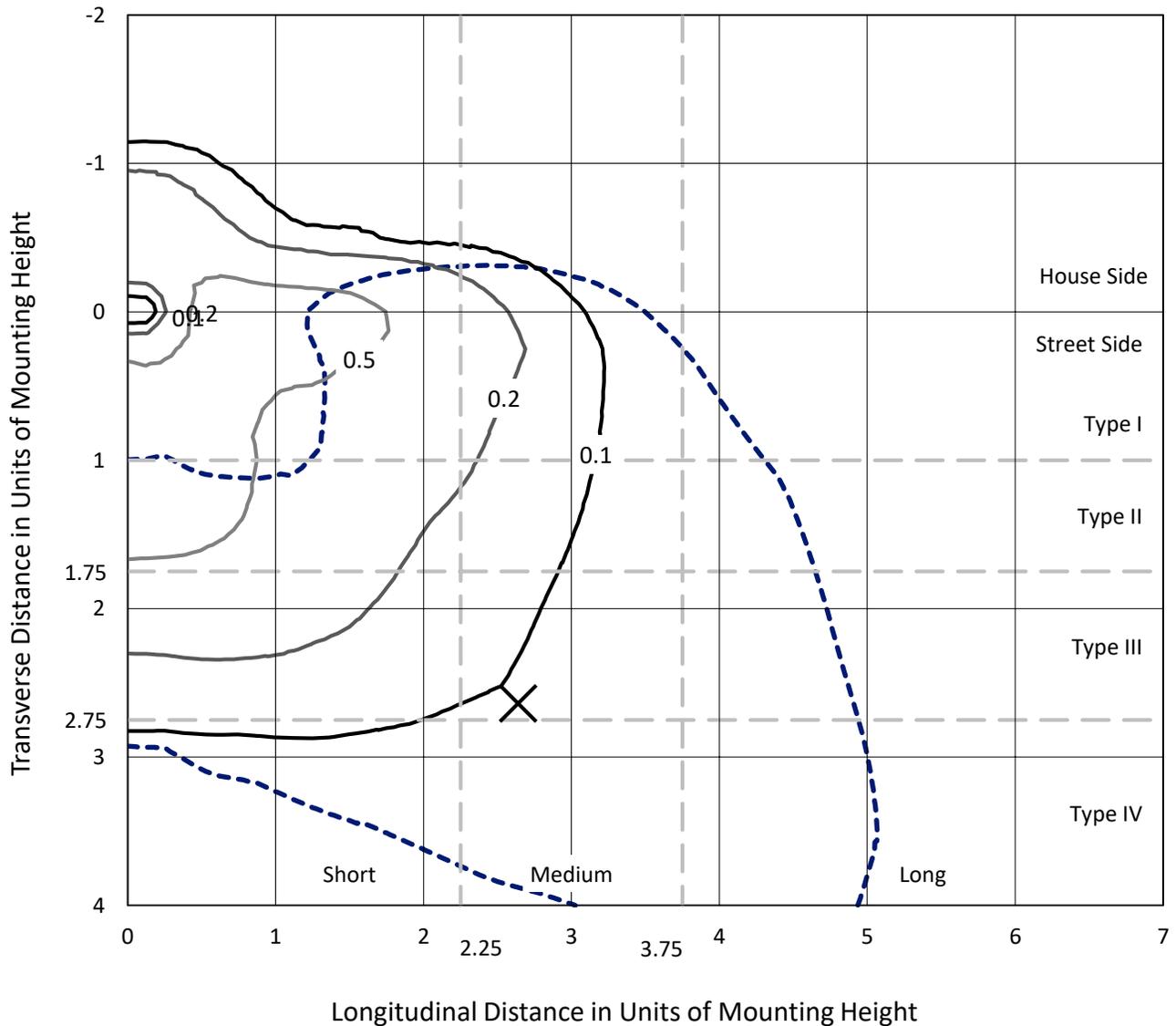


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### Iso-Footcandle Lines of Horizontal Illumination

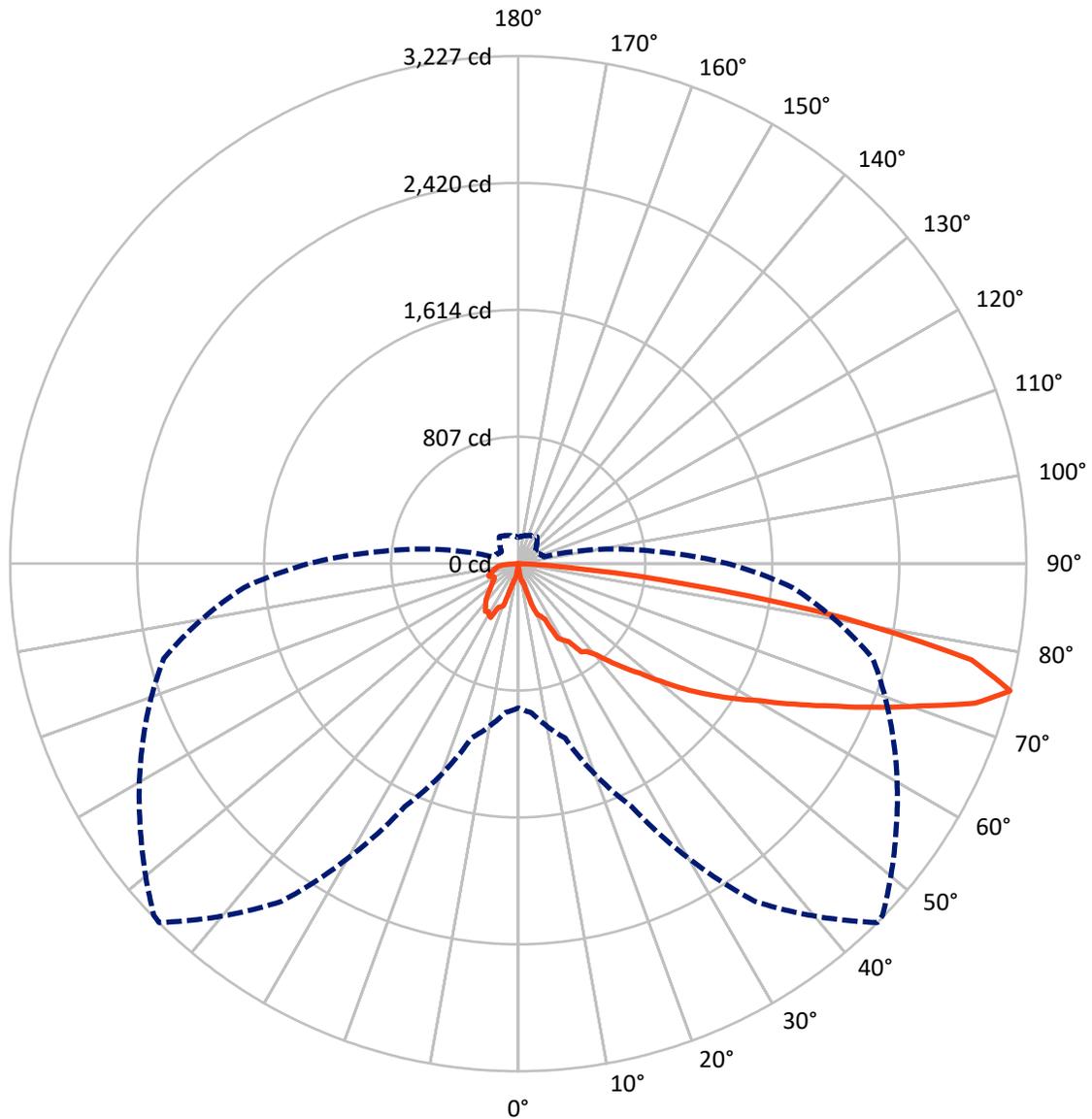
× Max cd  
 - - - 1/2 Max cd



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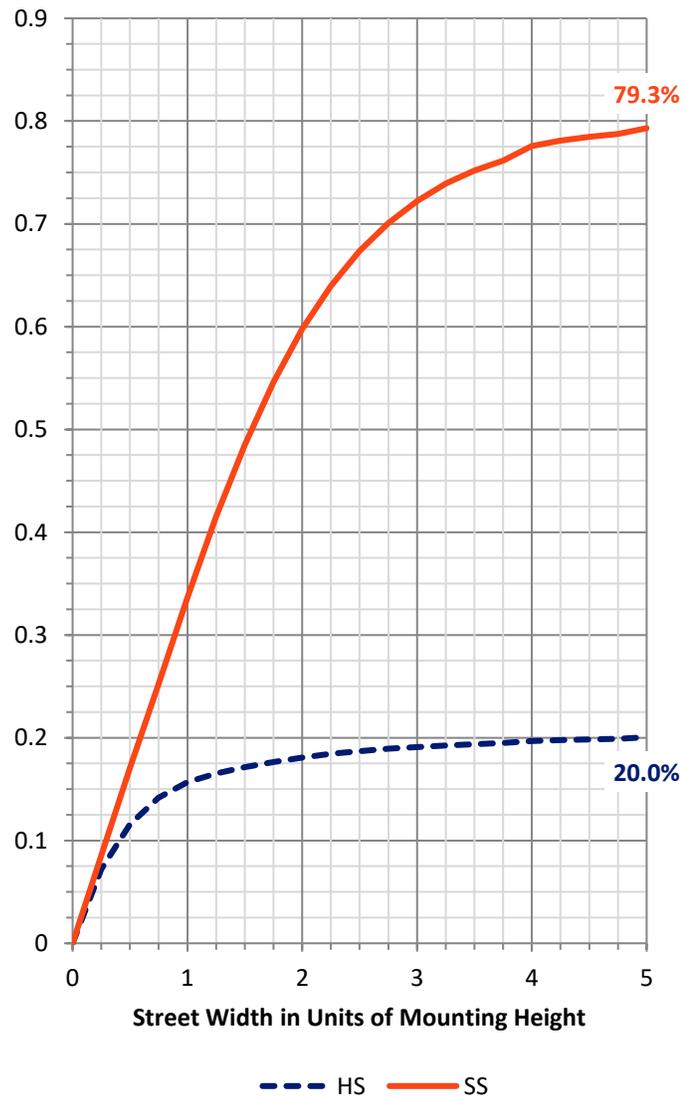
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1035.4	0.0	1035.4
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	4012.6	0.0	4012.6
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	5048.0	0.0	5048.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	52.1	1.0
20°-30°	194.0	3.8
30°-40°	399.6	7.9
40°-50°	633.7	12.6
50°-60°	1001.7	19.8
60°-70°	1407.3	27.9
70°-80°	1171.6	23.2
80°-90°	184.7	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°	5048.0	100.0
0°-180°	5048.0	100.0

**Coefficient of Utilization**



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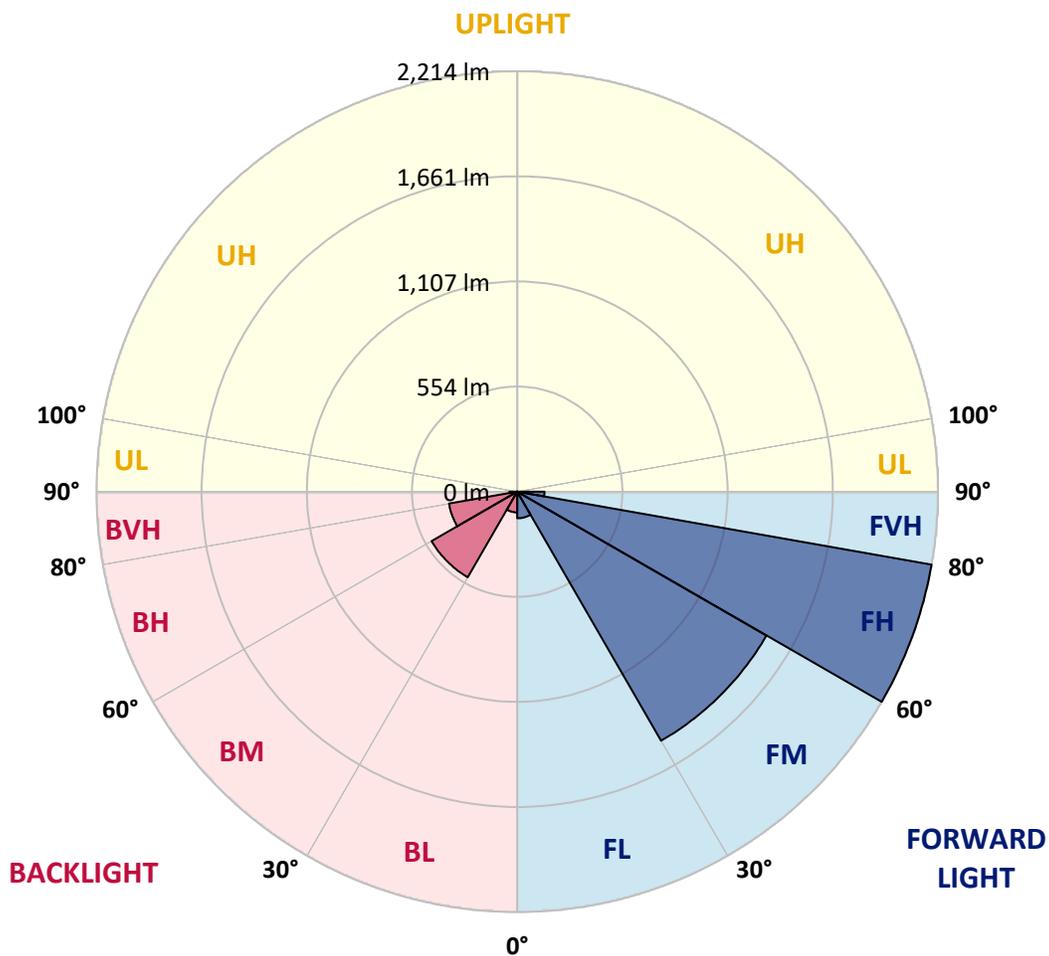
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.2	2.8			
FM (30°-60°)	1514.6	30.0			
FH (60°-80°)	2214.4	43.9			G2/5000
FVH (80°-90°)	143.4	2.8			G2/225
BL (0°-30°)	109.2	2.2	B0/110		
BM (30°-60°)	520.3	10.3	B1/1000		
BH (60°-80°)	364.5	7.2	B1/500		G1/500
BVH (80°-90°)	41.3	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°	2.7	2.7	2.7	2.7	2.7	2.2	2.2	1.6	2.2	2.2	2.2
5°	38.9	36.7	29.0	25.7	21.4	8.8	7.1	3.3	2.7	2.7	2.2
7.5°	115.5	114.4	112.8	108.9	104.0	65.1	56.4	20.3	3.8	2.7	2.2
10°	127.6	125.4	122.6	118.8	114.4	108.9	108.4	99.6	18.1	6.0	4.9
12.5°	250.7	246.4	205.8	148.9	123.2	116.6	116.6	112.8	81.6	28.5	66.8
15°	269.4	267.2	259.5	249.6	234.9	135.2	132.5	176.3	217.3	152.2	161.5
17.5°	302.8	297.8	274.3	262.2	251.3	272.6	271.0	252.4	238.2	168.6	181.2
20°	422.1	419.4	409.5	293.4	270.5	344.9	346.0	286.3	259.0	298.4	296.2
22.5°	432.0	431.4	424.3	406.8	428.7	361.9	362.4	380.5	378.3	395.8	359.1
25°	565.0	563.3	457.1	419.4	468.1	389.8	407.3	471.9	421.6	429.2	448.4
27.5°	579.8	578.7	572.7	546.4	484.5	537.1	537.1	487.8	537.1	562.3	565.5
30°	659.2	638.4	596.2	583.6	564.4	563.9	565.5	565.0	621.4	588.5	621.4
32.5°	775.2	770.8	755.5	632.9	627.4	591.3	609.9	652.6	648.8	748.4	791.1
35°	942.7	883.1	828.9	730.3	651.5	688.7	691.5	676.7	755.5	787.3	847.5
37.5°	1176.5	1160.1	1083.4	822.3	725.9	707.9	709.5	757.7	803.1	838.2	905.5
40°	1346.8	1338.0	1284.9	1006.8	796.0	759.9	763.7	794.9	837.1	899.5	969.6
42.5°	1509.9	1509.9	1478.7	1164.5	946.6	848.6	845.8	852.4	882.5	948.2	1064.3
45°	1616.1	1610.1	1636.4	1312.8	1058.8	943.8	933.4	931.8	942.7	1020.5	1191.3
47.5°	1722.9	1706.5	1731.7	1462.8	1205.5	1042.4	1043.5	1023.2	1038.0	1157.4	1364.8
50°	1835.7	1839.0	1835.7	1589.3	1349.5	1176.5	1167.2	1141.5	1171.0	1317.8	1559.2
52.5°	1996.6	1985.1	1952.8	1750.3	1533.5	1325.4	1310.6	1273.4	1342.9	1506.6	1802.3
55°	2113.8	2102.8	2094.1	1922.7	1674.7	1469.4	1460.7	1419.6	1549.9	1697.2	2053.0
57.5°	2241.3	2228.2	2253.4	2158.1	1896.4	1620.0	1608.5	1583.3	1762.3	1914.5	2308.1
60°	2327.3	2327.8	2396.8	2327.8	2081.5	1770.5	1759.6	1778.2	1956.7	2113.8	2583.5
62.5°	2327.3	2345.4	2497.0	2513.4	2279.7	1967.1	1947.9	1958.3	2168.0	2322.9	2809.6
65°	2106.7	2129.1	2482.8	2567.1	2478.4	2179.5	2170.2	2163.6	2367.8	2488.3	2987.0
67.5°	1881.7	1909.6	2267.1	2569.8	2641.0	2437.3	2403.4	2348.1	2540.3	2611.4	3082.3
70°	1725.6	1748.6	2032.8	2481.7	2746.1	2707.8	2685.3	2539.7	2655.8	2689.7	2975.0
72.5°	1472.2	1474.3	1727.3	2295.5	2816.7	3034.6	2982.1	2752.1	2720.9	2638.8	2522.7
75°	917.6	951.0	1148.0	1703.7	2621.8	3227.3	3217.5	2930.6	2627.9	2331.7	1749.2
77.5°	341.6	361.3	480.1	874.9	1876.2	2943.8	2952.5	2736.8	2222.7	1689.5	939.5
80°	111.1	119.3	158.8	281.9	833.3	2095.2	2163.6	1941.3	1363.2	858.4	395.8
82.5°	61.9	59.7	92.0	146.2	355.9	1085.6	1130.5	933.4	642.7	359.1	147.8
85°	28.5	29.6	43.8	79.4	190.0	302.8	326.8	319.2	243.6	147.8	54.2
87.5°	6.0	7.1	9.9	18.6	29.6	25.7	18.6	32.8	47.6	35.0	9.3
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	1.6	1.6	1.1	1.1	0.5	0.5	1.1	1.1	1.1
5°	2.2	2.2	1.6	1.6	1.6	1.6	2.2	3.8	4.4	4.9	4.4
7.5°	2.2	2.2	2.2	2.2	2.7	5.5	25.7	78.8	83.8	85.4	87.6
10°	4.9	4.4	4.4	4.9	17.0	82.7	99.6	105.1	107.9	109.5	108.9
12.5°	76.1	75.6	27.9	17.0	79.4	104.6	107.3	110.6	116.1	121.5	119.3
15°	161.0	160.4	147.8	153.3	154.4	113.9	116.1	190.0	202.6	210.8	213.5
17.5°	175.2	176.8	171.9	211.9	216.8	172.5	193.3	211.9	216.3	219.0	219.5
20°	325.2	292.3	250.2	237.1	231.0	284.7	215.7	217.9	281.4	301.7	303.8
22.5°	357.5	354.8	331.8	341.6	288.5	296.7	279.2	294.5	323.0	329.0	329.0
25°	461.5	456.6	378.9	355.9	366.3	304.9	352.6	320.8	331.2	342.2	343.3
27.5°	567.2	561.2	505.9	400.2	363.0	384.9	358.0	387.1	418.8	434.1	434.7
30°	616.5	608.2	527.8	451.1	377.8	376.7	376.1	428.1	425.4	435.2	438.0
32.5°	819.0	805.9	674.5	443.5	392.0	358.0	399.1	416.6	479.0	509.7	513.0
35°	868.3	851.9	677.8	490.5	370.1	369.0	370.1	427.6	461.5	483.4	488.3
37.5°	924.7	902.2	670.1	459.9	378.9	343.8	352.0	386.0	459.9	509.1	513.0
40°	994.8	960.3	667.9	429.2	353.1	325.2	323.6	369.0	401.8	432.0	434.7
42.5°	1091.7	1036.4	664.6	397.5	323.0	302.8	305.5	325.2	351.5	348.7	353.1
45°	1220.3	1131.1	659.2	369.5	292.3	274.8	273.2	287.4	299.5	281.9	277.0
47.5°	1381.3	1248.2	667.9	342.7	263.9	247.5	248.0	254.0	256.2	237.1	232.7
50°	1564.1	1380.7	677.2	313.2	240.9	228.3	225.6	227.7	224.5	205.8	204.2
52.5°	1782.0	1536.2	682.1	285.2	222.3	212.4	209.1	207.5	202.6	190.0	188.3
55°	2034.4	1722.9	692.6	262.8	206.9	197.6	196.0	193.8	192.2	185.0	184.0
57.5°	2292.8	1928.7	686.5	239.8	192.2	184.0	187.2	191.1	195.4	192.7	192.2
60°	2529.9	2093.0	612.1	219.5	177.9	175.7	190.0	208.0	211.3	214.1	213.5
62.5°	2707.2	2175.7	485.6	202.0	168.1	176.3	210.8	236.0	232.7	225.6	223.9
65°	2769.7	2152.7	373.9	188.9	163.1	191.1	232.7	245.8	227.2	214.1	211.3
67.5°	2728.1	2039.3	289.6	177.9	160.4	203.7	240.3	236.5	215.2	205.3	201.5
70°	2515.1	1803.4	229.9	168.6	157.7	196.0	236.5	225.6	205.3	196.5	190.5
72.5°	2057.9	1426.2	197.1	158.2	146.2	180.1	224.5	210.8	196.5	185.0	179.6
75°	1330.9	877.0	171.4	146.2	130.8	163.1	209.1	196.5	184.5	173.0	167.5
77.5°	640.5	398.6	150.0	131.4	116.6	150.6	196.5	181.8	169.7	158.2	151.6
80°	269.9	188.3	128.1	116.6	106.2	141.2	182.9	165.9	152.2	144.0	136.9
82.5°	131.4	104.0	97.4	94.7	92.5	128.7	168.1	147.3	133.0	125.4	109.5
85°	44.3	44.9	60.2	58.6	65.1	102.9	137.4	111.7	99.6	86.5	81.0
87.5°	4.4	6.0	8.2	10.4	21.4	28.5	47.1	38.3	30.1	11.5	7.7
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)