

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: P415737

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415737
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
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-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5212 lumens
Efficiency: N/A
Efficacy: 96.5 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 (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

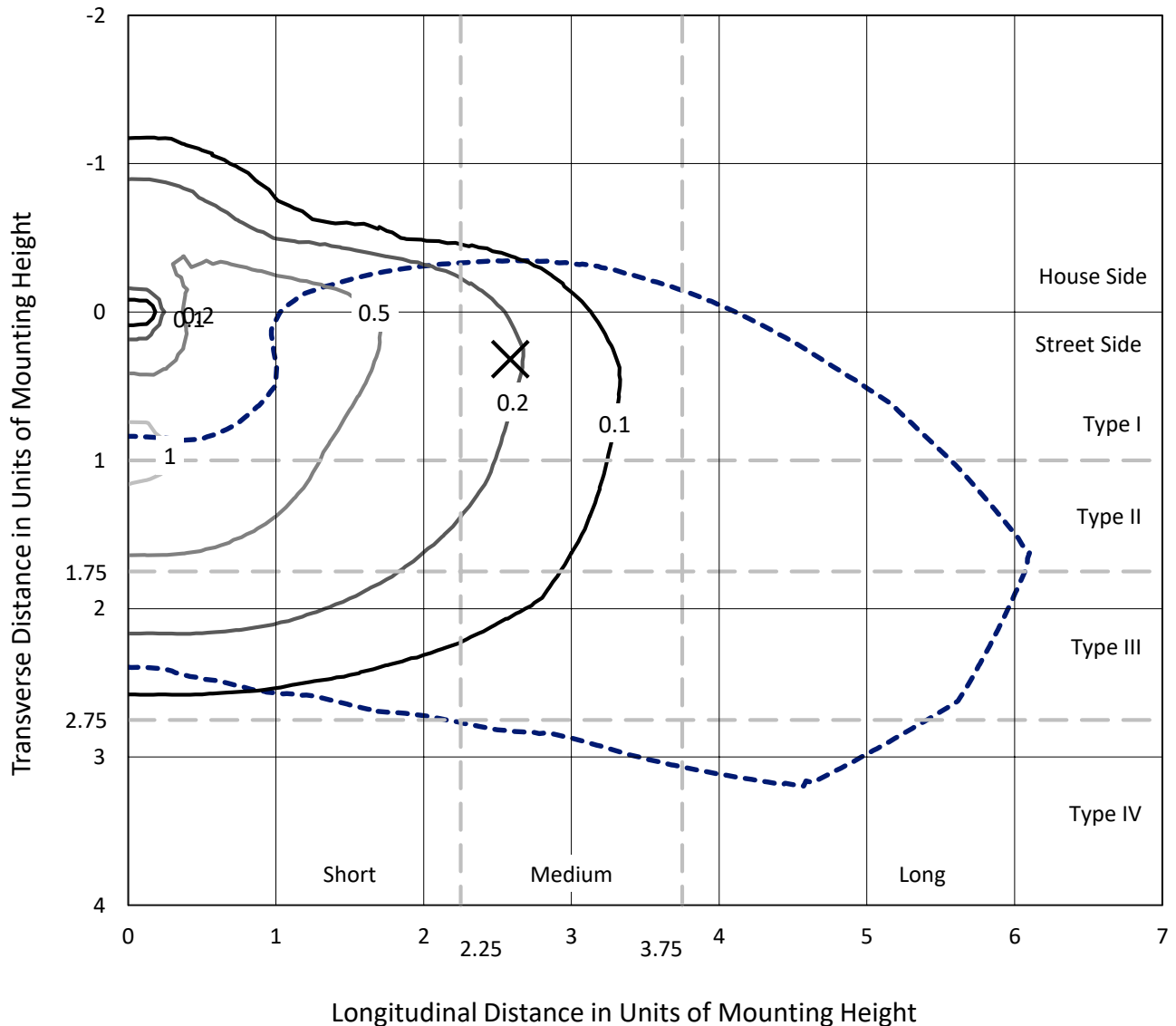


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

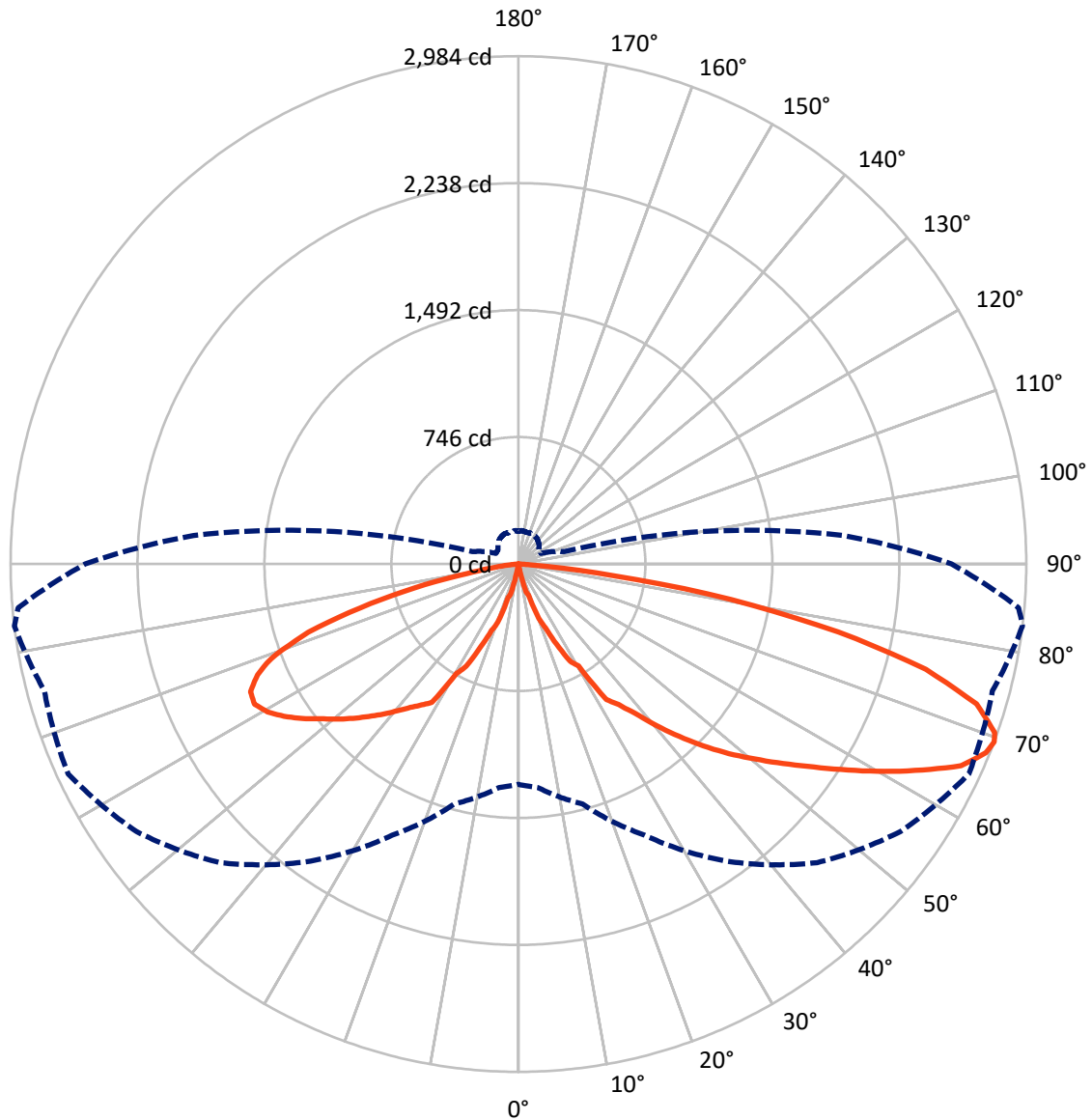


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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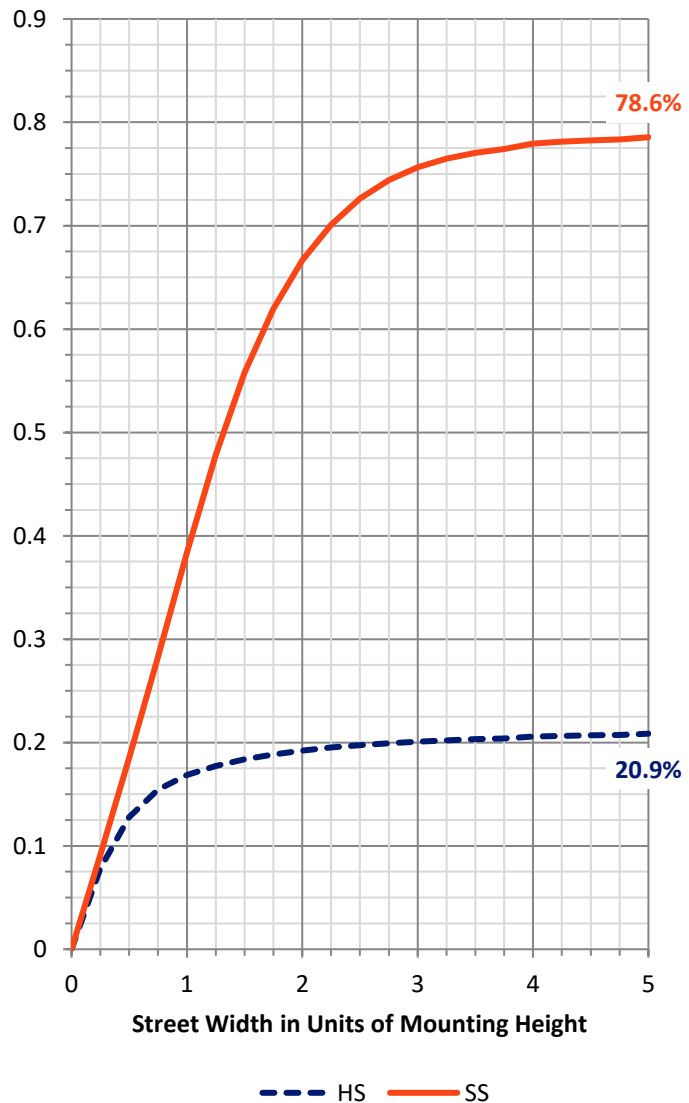
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1105.5	0.0	1105.5
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	4106.5	0.0	4106.5
	% Fixture	78.8	0.0	78.8
Total	Lumens	5212.0	0.0	5212.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	53.0	1.0
20°-30°	209.0	4.0
30°-40°	465.1	8.9
40°-50°	789.8	15.2
50°-60°	1177.0	22.6
60°-70°	1386.1	26.6
70°-80°	970.2	18.6
80°-90°	158.4	3.0
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°	5212.0	100.0
0°-180°	5212.0	100.0

Coefficient of Utilization



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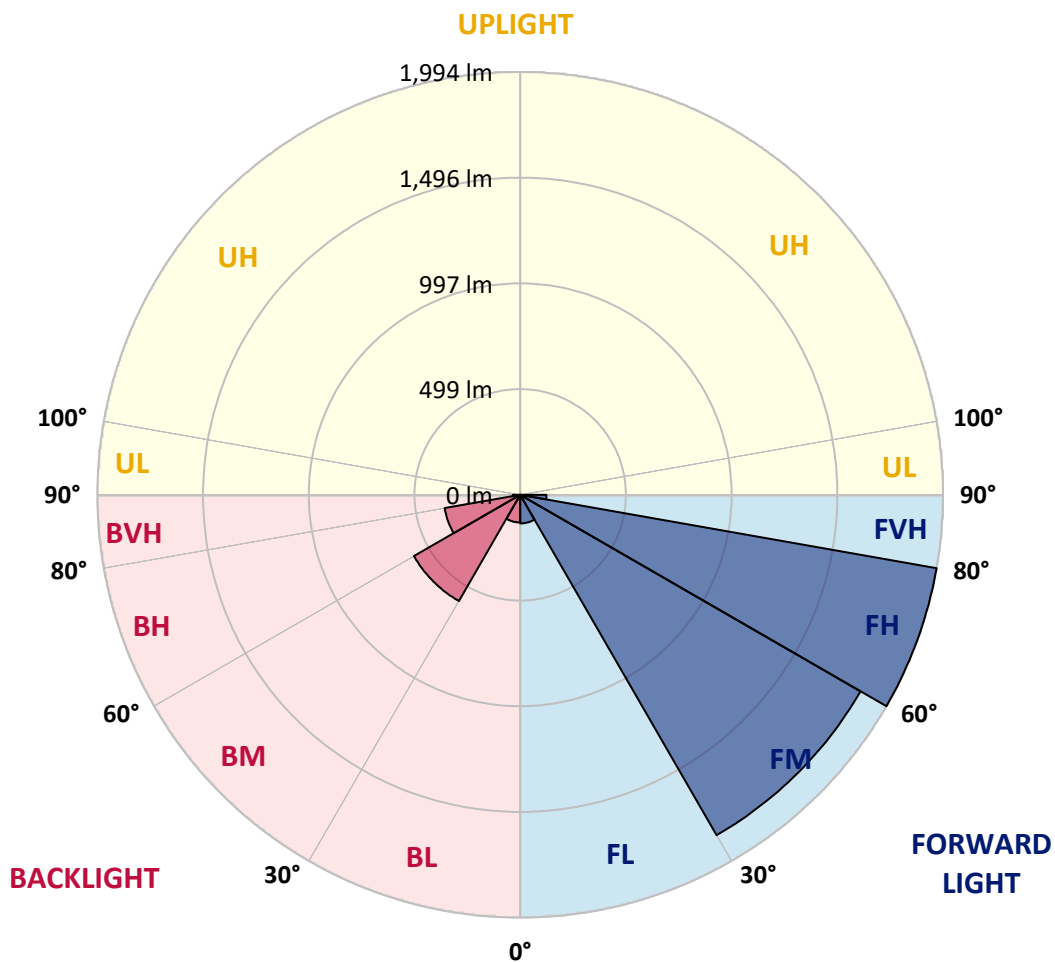
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.0	2.6			
FM	(30°-60°)	1853.5	35.6			
FH	(60°-80°)	1994.3	38.3			G2/5000
FVH	(80°-90°)	123.8	2.4			G2/225
BL	(0°-30°)	130.4	2.5	B1/500		
BM	(30°-60°)	578.5	11.1	B1/1000		
BH	(60°-80°)	362.1	6.9	B1/500		G1/500
BVH	(80°-90°)	34.6	0.7			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°	55°	65°	75°	83°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.8	2.2	2.8	3.4	3.4	2.8	2.2	2.2	2.2	2.2	1.7
5°	45.4	33.1	29.7	26.4	15.7	5.6	3.4	2.2	2.2	2.2	2.2
7.5°	95.9	95.9	95.9	96.5	95.9	71.3	16.8	3.9	2.2	2.2	2.2
10°	97.1	96.5	95.9	96.5	97.6	98.2	94.8	13.5	5.6	5.0	5.0
12.5°	175.6	174.5	168.3	117.8	99.9	100.4	102.7	74.1	26.9	71.3	83.0
15°	186.3	185.2	185.2	185.7	176.2	109.4	154.3	202.0	143.6	171.7	174.5
17.5°	208.7	202.6	197.5	194.1	195.3	217.7	218.8	223.3	167.2	192.5	195.8
20°	319.8	317.6	299.6	229.5	214.3	282.8	251.9	248.0	313.1	340.0	345.6
22.5°	365.3	363.0	350.1	337.8	352.4	308.0	358.5	369.8	424.2	407.9	413.0
25°	496.0	494.3	422.5	391.1	429.8	354.1	442.7	423.6	468.5	522.4	528.0
27.5°	607.1	603.2	588.6	527.4	479.7	530.8	489.8	566.1	636.3	645.3	662.1
30°	721.0	695.2	650.3	652.6	590.8	585.2	583.5	679.5	681.7	695.8	724.4
32.5°	907.3	895.5	857.9	741.8	728.3	650.3	718.2	724.4	890.5	948.8	954.4
35°	1056.5	1006.1	970.7	905.1	802.9	828.2	800.1	911.2	976.9	1014.5	1037.5
37.5°	1294.5	1301.2	1243.4	1004.4	940.4	911.2	960.0	1020.1	1102.0	1111.0	1145.8
40°	1465.6	1461.1	1383.1	1206.9	1063.8	1034.1	1066.6	1125.6	1236.7	1247.9	1256.3
42.5°	1714.7	1692.8	1584.0	1385.9	1253.5	1190.7	1199.6	1224.3	1335.4	1385.4	1375.3
45°	1945.3	1930.7	1820.8	1576.7	1433.0	1359.5	1346.1	1324.2	1457.7	1524.5	1506.0
47.5°	2126.0	2100.2	2037.4	1788.8	1678.2	1553.1	1485.8	1446.0	1578.9	1664.2	1638.4
50°	2319.6	2280.3	2223.6	1999.2	1890.3	1778.7	1630.6	1580.6	1715.3	1800.0	1779.2
52.5°	2448.1	2386.9	2351.6	2186.6	2086.2	1988.5	1771.4	1737.7	1865.1	1946.5	1942.0
55°	2383.5	2381.3	2417.2	2312.8	2215.2	2112.0	1917.8	1916.2	2021.6	2105.2	2109.2
57.5°	2271.3	2283.1	2385.2	2400.9	2359.4	2238.2	2099.1	2115.9	2205.7	2283.1	2291.5
60°	2128.2	2160.8	2307.8	2390.8	2423.9	2363.9	2273.6	2299.4	2406.6	2473.3	2471.1
62.5°	1939.2	1965.5	2148.4	2336.4	2403.7	2460.4	2434.6	2517.7	2602.4	2665.2	2681.5
65°	1715.8	1726.5	1924.6	2178.2	2352.1	2509.8	2569.3	2720.2	2761.2	2857.7	2861.0
67.5°	1468.4	1471.8	1644.0	1946.5	2239.9	2505.9	2683.7	2870.0	2859.4	2962.0	2954.2
69°	1294.5	1318.6	1460.0	1757.9	2131.1	2481.7	2740.4	2919.4	2883.5	2983.9	2949.7
70°	1172.1	1170.5	1332.0	1598.0	2035.1	2450.9	2776.3	2932.3	2884.0	2968.8	2917.2
72.5°	746.8	758.0	897.8	1134.0	1640.1	2272.5	2820.6	2898.1	2822.3	2813.9	2703.4
75°	329.9	299.6	387.2	600.4	1031.3	1767.5	2714.0	2743.8	2646.7	2473.3	2283.7
77.5°	115.6	120.1	145.9	244.1	496.6	1053.2	2249.4	2413.8	2337.5	1920.6	1709.1
80°	82.5	83.0	97.6	136.3	240.7	371.4	1431.9	1746.1	1798.9	1266.4	1088.5
82.5°	58.4	58.4	72.4	87.0	166.6	166.1	616.1	960.6	1026.3	561.7	420.3
85°	48.8	49.9	55.5	50.5	97.6	84.7	152.1	296.3	243.0	68.5	60.0
87.5°	7.3	6.7	19.1	16.8	14.6	12.3	16.8	19.1	12.9	10.1	7.3
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.2	2.2	2.2	2.2	1.7	1.1	1.1	1.1	1.7	1.7	1.7
5°	2.2	2.2	2.2	2.2	2.2	2.2	2.8	3.9	4.5	5.0	5.0
7.5°	2.2	2.2	2.2	2.8	3.4	5.0	27.5	95.4	104.4	108.9	111.7
10°	4.5	5.0	5.0	5.0	12.3	105.5	125.7	130.2	134.7	136.9	136.3
12.5°	87.0	89.8	22.4	16.3	98.2	131.9	135.8	140.3	144.8	148.1	147.6
15°	179.0	183.5	176.2	182.4	193.6	143.1	146.4	248.0	268.8	272.7	273.3
17.5°	199.8	203.1	206.5	268.8	275.5	212.1	253.6	272.1	274.4	275.5	276.1
20°	380.4	378.7	306.4	294.6	291.8	368.1	269.3	274.4	328.2	373.7	375.9
22.5°	419.7	424.8	404.6	432.6	383.2	372.6	339.5	363.6	383.8	383.2	381.5
25°	544.3	551.0	464.0	450.0	459.5	370.3	423.6	363.0	368.6	369.2	372.6
27.5°	680.6	682.3	644.1	506.7	452.2	458.4	398.9	386.6	432.0	434.9	434.9
30°	741.2	751.9	680.6	586.9	468.5	433.2	386.6	421.4	401.2	404.6	404.6
32.5°	984.7	976.3	888.8	581.3	485.4	398.4	404.0	390.5	432.6	443.8	445.0
35°	1048.7	1031.3	893.8	649.8	452.8	406.8	369.2	396.7	396.7	396.1	393.3
37.5°	1127.8	1097.5	883.2	601.5	455.6	371.4	356.3	356.9	389.4	396.7	391.6
40°	1221.5	1176.1	881.5	561.7	413.0	351.8	327.1	343.4	342.8	333.3	327.7
42.5°	1323.1	1263.0	877.6	514.5	370.9	329.9	308.6	303.6	306.4	289.0	287.3
45°	1442.0	1352.8	866.3	473.0	337.2	306.4	282.2	274.4	275.5	262.0	258.7
47.5°	1568.3	1445.4	863.5	440.5	309.2	282.8	263.2	253.1	257.0	241.8	238.5
50°	1709.1	1540.8	854.0	410.2	278.3	260.9	246.3	234.5	235.1	223.3	220.5
52.5°	1862.3	1633.4	843.3	368.6	250.3	242.4	234.0	225.0	235.1	219.4	216.0
55°	2019.4	1746.1	829.3	320.4	225.0	228.4	220.0	226.7	241.3	216.6	212.1
57.5°	2193.9	1852.2	802.9	267.6	204.8	212.7	218.3	227.2	239.0	216.0	207.6
60°	2359.4	1954.3	740.1	226.1	187.4	199.8	214.9	223.9	222.8	212.1	206.5
62.5°	2527.8	2038.5	623.9	194.1	172.8	193.6	209.9	213.8	208.7	204.8	201.4
65°	2620.3	2059.2	483.7	172.8	161.0	185.2	203.7	207.0	199.8	199.8	196.9
67.5°	2605.2	1992.5	356.9	155.4	150.9	176.7	193.0	200.9	195.8	199.8	195.3
69°	2544.6	1916.2	280.5	146.4	145.9	170.0	186.8	195.8	191.9	197.5	191.9
70°	2473.3	1839.3	248.0	141.4	140.8	165.0	182.9	191.9	187.4	191.9	186.8
72.5°	2200.1	1578.4	177.9	127.4	129.1	154.9	173.4	180.1	176.2	177.3	170.6
75°	1759.0	1173.3	140.8	115.6	117.3	143.1	162.7	166.6	163.8	158.8	154.9
77.5°	1236.7	756.4	115.6	104.9	105.5	129.1	151.5	150.9	146.4	141.4	136.3
80°	674.4	355.7	98.2	92.0	93.7	115.0	135.2	133.5	127.9	122.9	116.7
82.5°	291.8	143.6	76.3	73.5	78.6	96.5	116.1	111.7	106.6	108.9	84.7
85°	52.2	49.4	44.3	47.1	53.3	68.5	81.9	78.0	75.2	64.0	58.9
87.5°	4.5	6.7	6.7	8.4	11.8	12.9	23.0	16.8	17.4	6.7	3.4
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)