

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: P413847

Luminaire Tested: **LXF.LXT-PA1-100-740-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-740-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9952 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

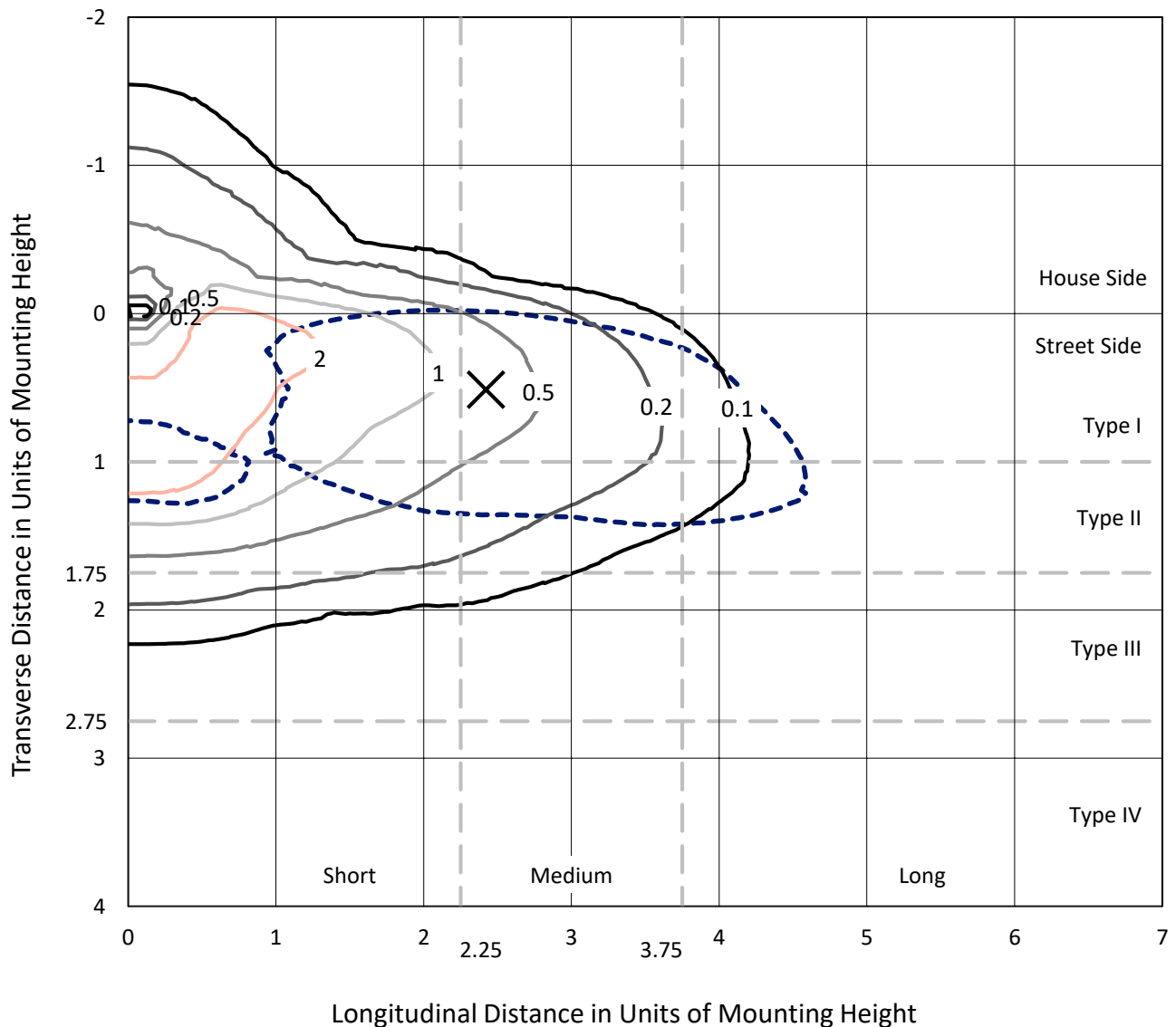
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

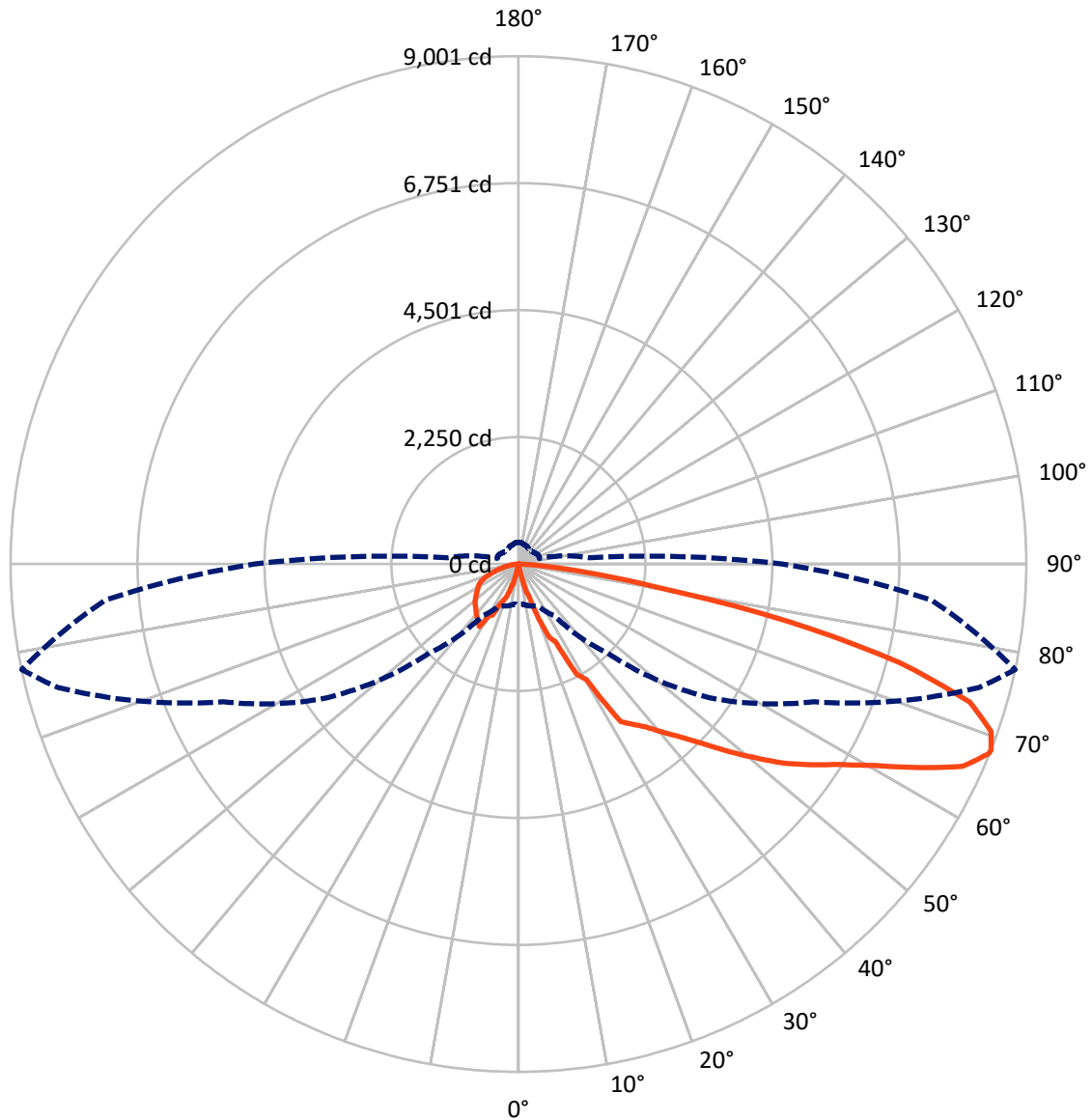
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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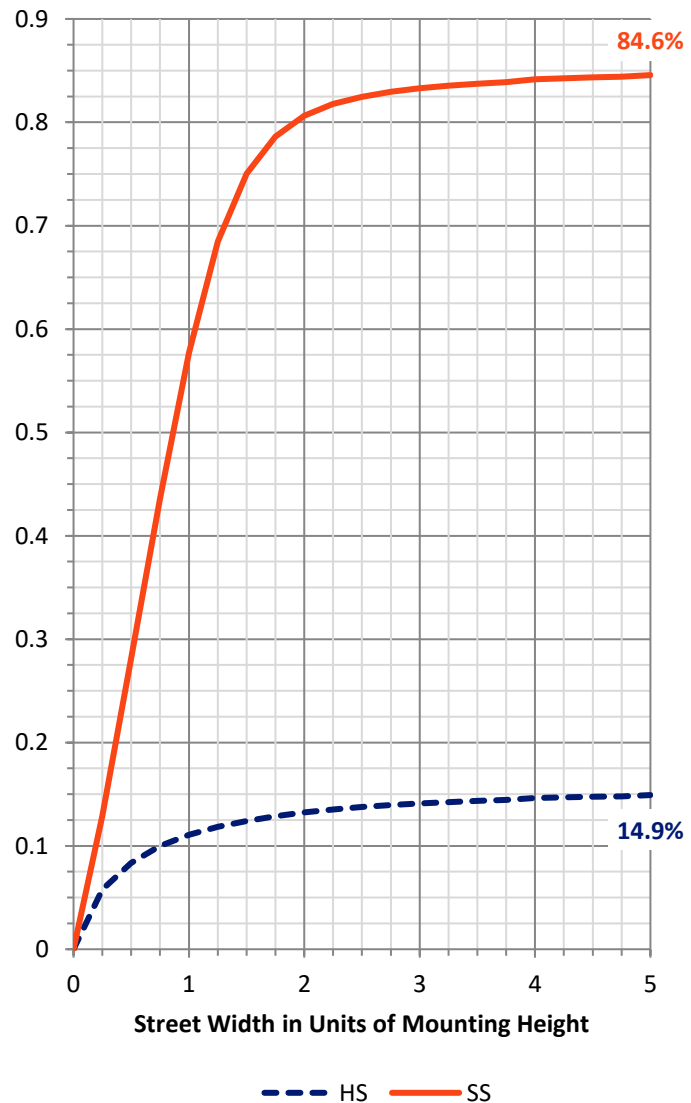
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1510.9	0.0	1510.9
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	8441.1	0.0	8441.1
	% Fixture	84.8	0.0	84.8
Total	Lumens	9952.0	0.0	9952.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.1
10°-20°	144.2	1.4
20°-30°	549.2	5.5
30°-40°	1282.2	12.9
40°-50°	2001.7	20.1
50°-60°	2297.8	23.1
60°-70°	2135.2	21.5
70°-80°	1319.3	13.3
80°-90°	212.4	2.1
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°	9952.0	100.0
0°-180°	9952.0	100.0

Coefficient of Utilization



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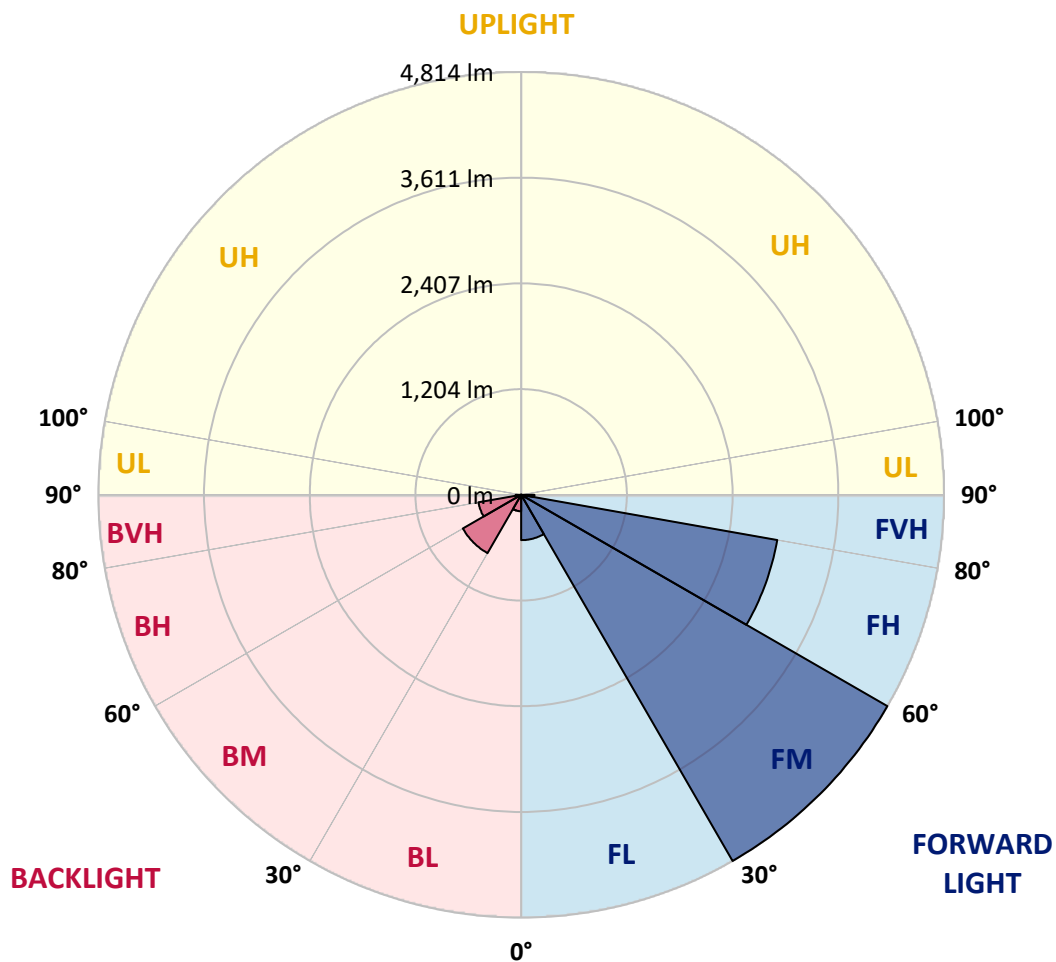
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	516.0	5.2			
FM (30°-60°)	4814.1	48.4			
FH (60°-80°)	2960.6	29.7			G2/5000
FVH (80°-90°)	150.3	1.5			G2/225
BL (0°-30°)	187.3	1.9	B1/500		
BM (30°-60°)	767.7	7.7	B1/1000		
BH (60°-80°)	493.9	5.0	B1/500		G1/500
BVH (80°-90°)	62.1	0.6			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	7.6	7.6	8.7	9.8	12.0	10.9	7.6	5.5	4.4	4.4	4.4
5°	352.7	324.3	181.2	93.9	32.8	19.7	9.8	7.6	5.5	5.5	4.4
7.5°	398.5	396.3	393.1	389.8	384.3	363.6	38.2	10.9	6.6	6.6	4.4
10°	430.2	426.9	424.7	422.5	414.9	404.0	385.4	33.8	12.0	10.9	9.8
12.5°	835.3	833.1	829.8	530.6	449.8	437.8	421.5	301.4	34.9	52.4	158.3
15°	833.1	829.8	839.6	857.1	871.3	479.3	483.7	846.2	524.1	503.3	536.1
17.5°	869.1	864.7	853.8	865.8	892.0	1002.3	947.7	916.1	616.9	588.5	572.1
20°	1274.2	1274.2	1287.3	1276.4	925.9	1280.7	1213.0	983.8	1114.8	1048.2	975.0
22.5°	1348.4	1343.0	1345.2	1367.0	1607.2	1327.7	1338.6	1517.7	1549.3	1415.0	1213.0
25°	1917.3	1916.2	1840.9	1444.5	1694.6	1600.7	1849.6	1623.6	1680.4	1522.0	1488.2
27.5°	2157.5	2159.7	2098.5	2043.9	1790.6	2075.6	1963.1	2137.8	2386.8	2217.5	1906.4
30°	2903.2	2874.8	2394.4	2340.9	2191.3	2188.1	2377.0	2524.4	2454.5	2374.8	2129.1
32.5°	3450.2	3421.9	3315.9	2945.8	2605.2	2437.0	2730.7	2641.2	3202.4	3333.4	2886.9
35°	4296.4	4286.6	3724.3	3342.2	3059.4	2946.9	2869.4	3217.7	3466.6	3486.3	3074.6
37.5°	4946.1	4914.4	4584.7	3911.0	3443.7	3183.8	3368.4	3373.8	3756.0	3663.2	3368.4
40°	5243.1	5223.4	4970.1	4337.9	3797.5	3503.7	3578.0	3609.7	4072.6	3912.1	3582.4
42.5°	5469.1	5445.1	5284.6	4594.5	4108.6	3828.0	3794.2	3822.6	4379.4	4184.0	3811.6
45°	5585.9	5571.7	5496.4	4776.8	4325.9	4034.4	4025.6	4010.4	4588.0	4519.2	4060.6
47.5°	5520.4	5505.1	5539.0	5024.7	4461.3	4203.6	4240.7	4213.4	4827.1	4939.5	4331.4
50°	5156.8	5171.0	5306.4	5034.5	4547.6	4341.2	4467.8	4400.2	5152.4	5382.8	4660.0
52.5°	4104.3	4162.1	4735.4	4816.1	4556.3	4405.6	4672.0	4685.1	5556.4	5856.7	5092.4
55°	3062.6	3144.5	3652.2	4283.3	4381.6	4407.8	4803.0	4946.1	5959.3	6278.1	5456.0
57.5°	2410.8	2461.0	2784.2	3417.5	3960.1	4330.3	4937.3	5157.9	6333.8	6699.6	5813.0
60°	1927.1	1896.5	2107.3	2587.7	3300.7	4113.0	4996.3	5434.1	6800.0	7243.3	6233.4
62.5°	1393.2	1395.4	1555.9	1829.9	2612.8	3683.9	4950.4	5701.6	7394.0	7946.5	6793.5
65°	988.1	998.0	1107.1	1254.5	1888.9	3094.3	4723.3	5884.0	8064.4	8649.6	7248.8
67.5°	752.3	758.8	810.2	878.9	1220.7	2354.0	4257.1	5846.9	8432.4	8982.6	7380.9
68°	721.7	710.8	768.7	818.9	1123.5	2231.7	4129.4	5772.6	8449.8	9001.2	7349.2
70°	608.2	608.2	634.4	646.4	796.0	1649.8	3503.7	5323.9	8387.6	8886.6	7109.0
72.5°	507.7	504.4	519.7	509.9	562.3	1079.8	2545.1	4591.2	7943.2	8363.6	6393.9
75°	422.5	422.5	424.7	417.1	431.3	723.9	1654.2	3596.6	7017.3	6983.5	5203.8
77.5°	360.3	351.6	349.4	338.5	350.5	526.3	1014.3	2559.3	5066.2	4883.8	3303.9
80°	286.1	285.0	287.2	280.6	290.4	383.2	618.0	1495.8	2759.1	2428.3	1540.6
82.5°	176.9	194.3	214.0	214.0	244.6	270.8	374.5	800.3	1337.5	1175.9	654.0
85°	57.9	71.0	125.6	129.9	157.2	126.7	215.1	257.7	446.6	398.5	125.6
87.5°	2.2	3.3	9.8	15.3	14.2	8.7	15.3	12.0	25.1	18.6	19.7
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°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2.5°	4.4	4.4	4.4	5.5	5.5	3.3	2.2	4.4	4.4	4.4	4.4
5°	4.4	4.4	5.5	5.5	5.5	4.4	5.5	7.6	8.7	8.7	8.7
7.5°	4.4	4.4	4.4	6.6	6.6	7.6	10.9	65.5	150.7	164.9	162.7
10°	8.7	7.6	8.7	9.8	12.0	139.8	183.4	193.3	197.6	200.9	199.8
12.5°	209.6	187.8	34.9	19.7	132.1	196.5	199.8	207.5	215.1	218.4	218.4
15°	491.3	440.0	336.3	253.3	226.0	209.6	212.9	279.5	380.0	389.8	390.9
17.5°	521.9	457.5	351.6	387.6	399.6	311.2	341.7	384.3	388.7	389.8	389.8
20°	983.8	824.3	500.1	408.4	407.3	520.8	364.7	375.6	382.1	434.6	441.1
22.5°	1064.6	883.3	600.5	579.8	438.9	520.8	477.1	464.0	507.7	503.3	506.6
25°	1338.6	1060.2	632.2	582.0	614.7	504.4	560.1	461.9	469.5	467.3	467.3
27.5°	1702.2	1337.5	883.3	651.8	597.2	583.0	518.6	444.4	532.8	535.0	535.0
30°	1802.6	1375.7	883.3	704.2	621.3	573.2	479.3	525.2	495.7	487.0	482.6
32.5°	2498.2	1866.0	1068.9	678.0	612.5	526.3	525.2	488.1	487.0	506.6	506.6
35°	2624.8	1894.4	976.1	775.2	577.6	542.6	499.0	493.5	471.7	464.0	462.9
37.5°	2750.4	1911.8	905.1	711.9	592.9	517.5	491.3	453.1	477.1	477.1	475.0
40°	2884.7	1930.4	840.7	654.0	544.8	517.5	455.3	452.0	419.3	421.5	419.3
42.5°	3028.8	1938.0	771.9	606.0	500.1	485.9	440.0	406.2	405.1	412.7	410.5
45°	3193.7	1947.9	708.6	544.8	455.3	428.0	393.1	395.2	416.0	433.5	433.5
47.5°	3369.4	1956.6	656.2	490.2	423.6	388.7	362.5	371.2	408.4	425.8	431.3
50°	3607.5	1967.5	596.1	445.5	401.8	359.2	354.9	362.5	402.9	416.0	410.5
52.5°	3860.8	1947.9	537.2	417.1	378.9	326.5	334.1	353.8	397.4	404.0	399.6
55°	4068.2	1898.7	491.3	398.5	362.5	312.3	323.2	347.2	388.7	392.0	393.1
57.5°	4309.5	1834.3	455.3	384.3	352.7	305.7	318.8	346.1	371.2	386.5	386.5
60°	4546.5	1759.0	433.5	376.7	345.0	305.7	318.8	345.0	368.0	384.3	383.2
62.5°	4823.8	1673.8	420.4	381.1	335.2	309.0	321.0	348.3	366.9	385.4	383.2
65°	4921.0	1511.1	410.5	387.6	334.1	313.4	322.1	352.7	365.8	387.6	385.4
67.5°	4728.8	1296.0	394.2	387.6	343.9	318.8	321.0	350.5	362.5	388.7	378.9
68°	4664.4	1264.4	388.7	386.5	345.0	319.9	321.0	349.4	360.3	387.6	376.7
70°	4306.3	1063.5	361.4	375.6	349.4	324.3	315.5	341.7	349.4	385.4	372.3
72.5°	3726.5	828.7	315.5	349.4	345.0	330.8	305.7	326.5	330.8	360.3	338.5
75°	2979.7	630.0	261.0	303.5	324.3	330.8	291.5	305.7	304.6	318.8	299.2
77.5°	1873.6	449.8	210.7	257.7	294.8	322.1	278.4	278.4	265.3	267.5	258.8
80°	908.4	307.9	170.3	212.9	246.8	304.6	255.5	234.7	218.4	214.0	203.1
82.5°	446.6	198.7	117.9	160.5	195.4	252.2	229.3	193.3	164.9	162.7	145.2
85°	103.7	81.9	64.4	85.2	123.4	164.9	164.9	121.2	102.6	133.2	98.3
87.5°	9.8	12.0	13.1	12.0	15.3	14.2	34.9	34.9	31.7	20.7	14.2
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)