

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: P417218

Luminaire Tested: **LXF.LXT-PA1-90-750-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-750-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9916 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

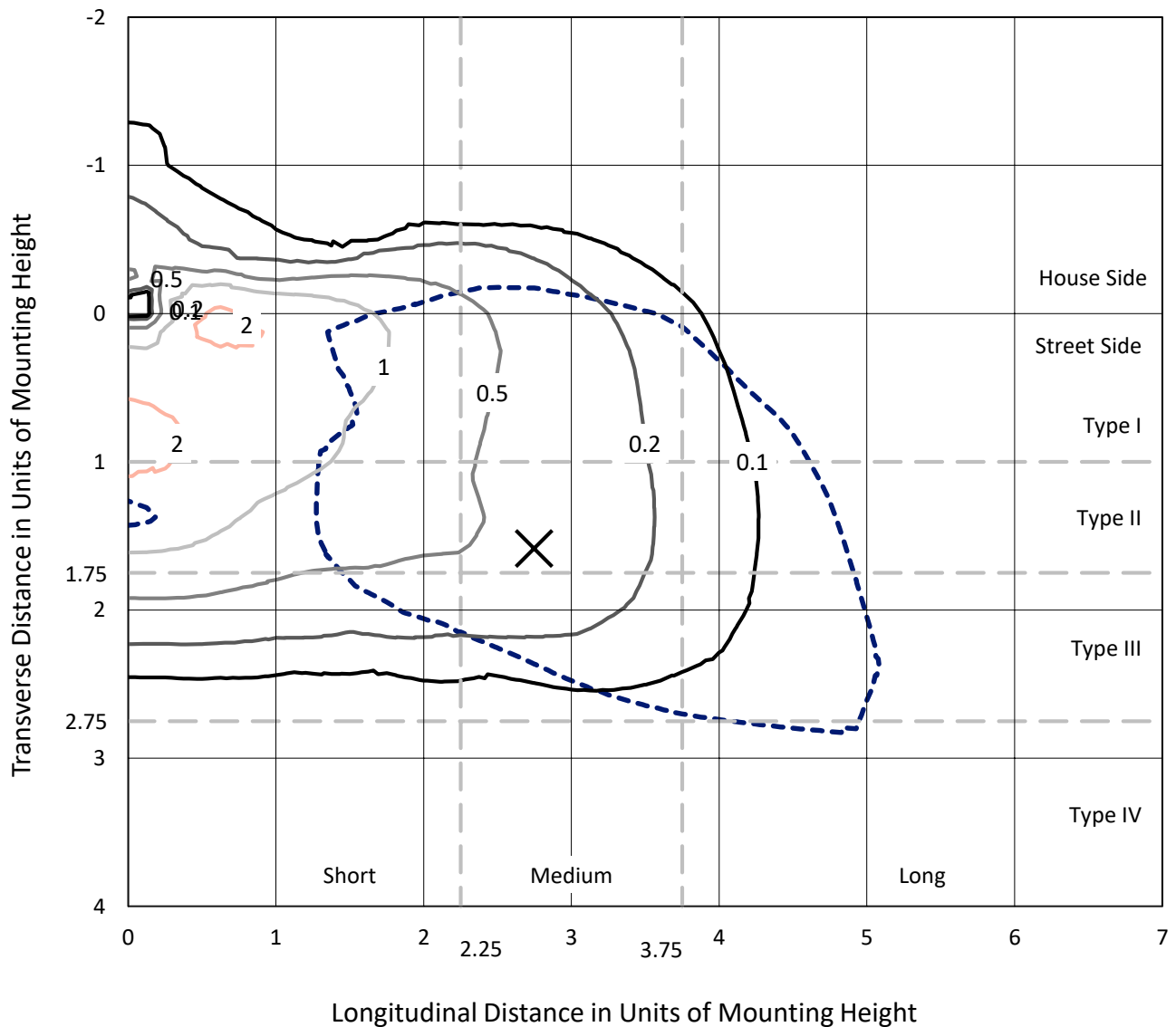
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

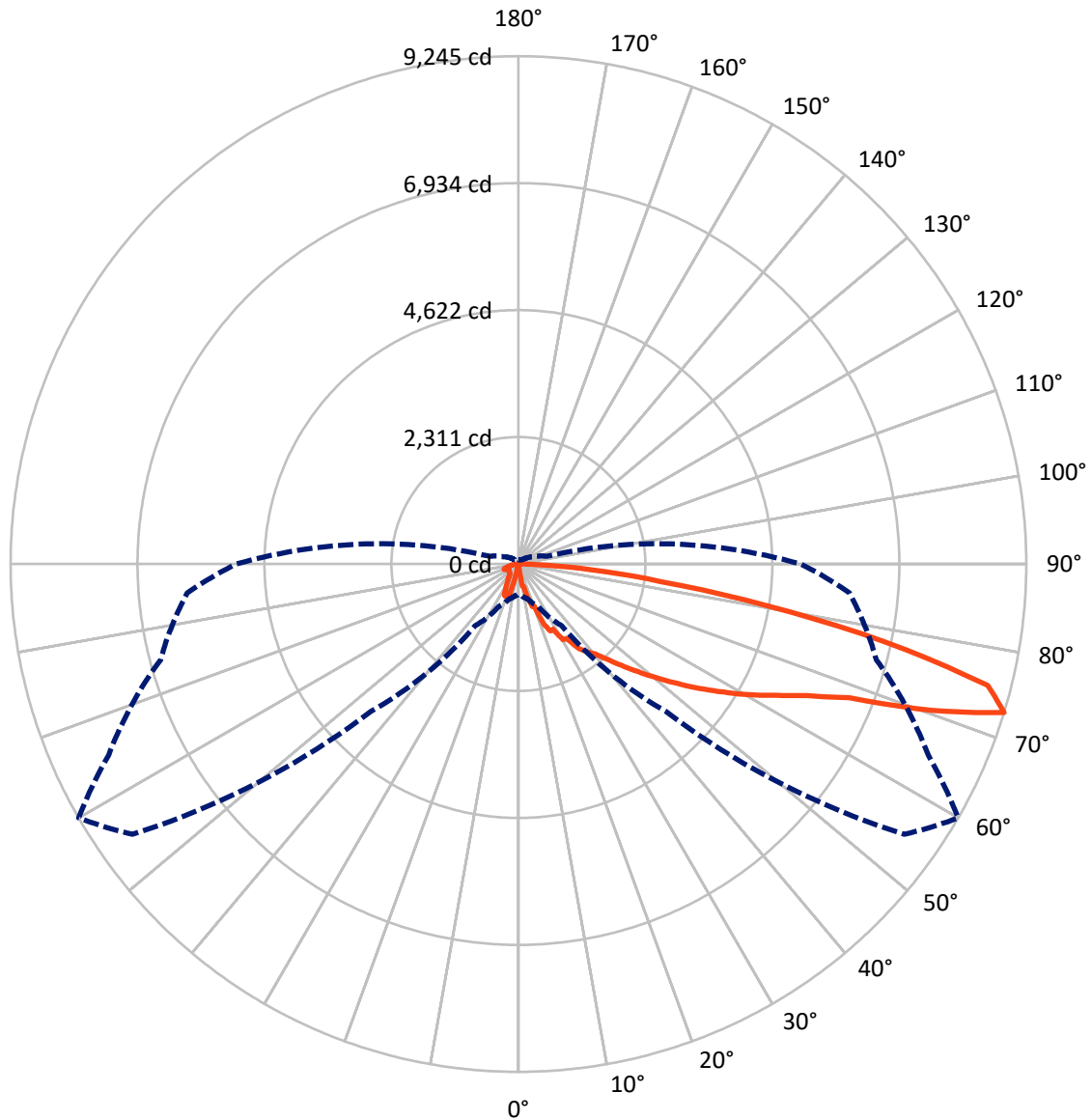


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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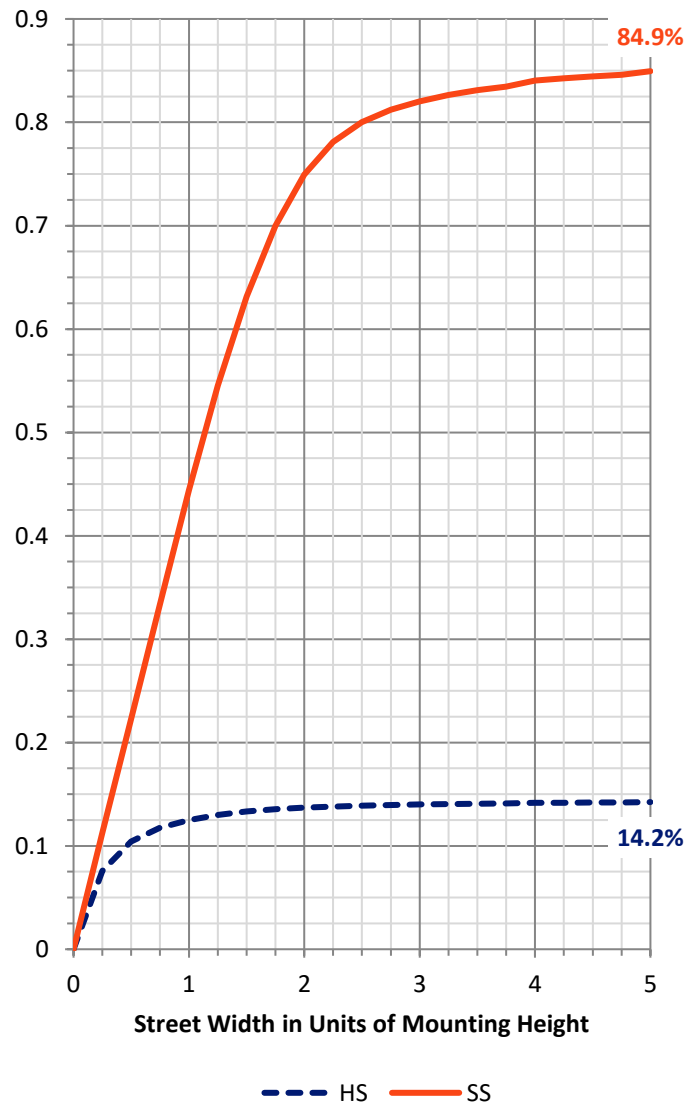
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1428.0	0.0	1428.0
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	8488.0	0.0	8488.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	9916.0	0.0	9916.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.1
10°-20°	144.6	1.5
20°-30°	435.3	4.4
30°-40°	861.0	8.7
40°-50°	1426.2	14.4
50°-60°	2130.6	21.5
60°-70°	2534.5	25.6
70°-80°	2029.0	20.5
80°-90°	344.4	3.5
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°	9916.0	100.0
0°-180°	9916.0	100.0



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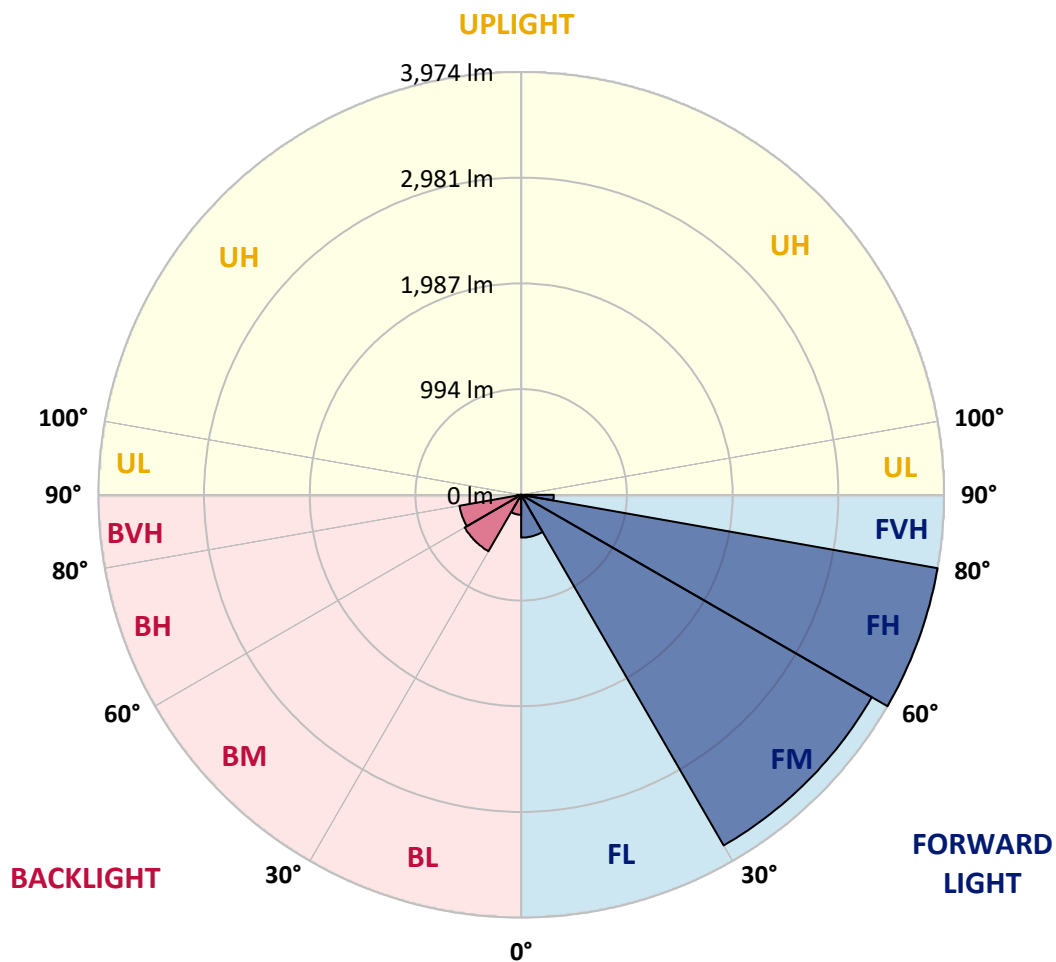
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	402.4	4.1			
FM	(30°-60°)	3805.1	38.4			
FH	(60°-80°)	3974.0	40.1			G2/5000
FVH	(80°-90°)	306.4	3.1			G3/500
BL	(0°-30°)	187.9	1.9	B1/500		
BM	(30°-60°)	612.7	6.2	B1/1000		
BH	(60°-80°)	589.5	5.9	B2/1000		G2/1000
BVH	(80°-90°)	38.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	5.4	5.4	6.5	7.6	7.6	6.5	5.4	5.4	5.4	4.3	5.4
5°	370.5	186.9	125.3	59.4	44.3	21.6	8.6	6.5	6.5	5.4	5.4
7.5°	425.6	425.6	426.7	431.0	434.3	436.4	54.0	28.1	10.8	5.4	5.4
10°	410.5	407.3	409.4	413.7	418.1	424.5	432.1	410.5	48.6	8.6	6.5
12.5°	758.3	756.2	730.3	445.1	412.7	412.7	423.5	424.5	333.8	32.4	31.3
15°	731.3	730.3	733.5	741.1	752.9	426.7	433.2	630.9	822.1	579.0	673.0
17.5°	751.9	743.2	723.8	719.5	730.3	686.0	807.0	816.7	835.0	665.4	681.6
20°	1031.7	1028.4	1028.4	866.4	714.1	998.2	947.4	817.8	839.4	962.5	1205.6
22.5°	1028.4	1023.0	1015.4	1014.4	1163.4	971.2	986.3	1182.9	1230.4	1410.8	1362.2
25°	1397.9	1383.8	1172.1	1021.9	1155.9	1087.8	1317.9	1352.5	1250.9	1463.8	1393.5
27.5°	1517.8	1490.8	1423.8	1305.0	1164.5	1322.2	1315.8	1343.8	1379.5	2000.6	1915.3
30°	2061.1	1933.7	1575.0	1515.6	1392.5	1338.4	1499.4	1597.7	1742.5	1959.6	1995.2
32.5°	2306.4	2259.9	2084.9	1865.6	1626.9	1445.4	1639.8	1615.0	1755.4	2382.0	2558.1
35°	2835.7	2778.4	2298.8	2101.1	1891.5	1771.6	1686.3	1886.1	2059.0	2477.0	2606.7
37.5°	2939.4	2926.4	2815.2	2460.8	2180.0	1947.7	1973.6	2027.7	2140.0	2609.9	2743.9
40°	3020.4	3021.5	3053.9	2748.2	2445.7	2230.7	2153.0	2154.0	2250.2	2828.1	2920.0
42.5°	3234.3	3243.0	3330.5	3004.2	2767.6	2561.3	2426.3	2366.9	2440.3	3078.8	3136.0
45°	3620.0	3600.5	3675.1	3267.8	3009.6	2832.5	2724.4	2633.7	2672.6	3345.6	3411.5
47.5°	4105.0	4064.0	4039.1	3596.2	3273.2	3120.9	3020.4	2925.4	2937.2	3600.5	3726.9
50°	4479.9	4459.3	4330.8	3844.7	3500.1	3411.5	3369.3	3251.6	3200.8	3884.6	4087.7
52.5°	4639.7	4620.3	4461.5	4032.6	3679.4	3689.1	3762.6	3609.2	3466.6	4192.5	4431.2
55°	4611.6	4595.4	4490.7	4125.5	3809.0	3957.0	4149.3	3995.9	3811.2	4483.1	4781.2
57.5°	4404.2	4411.8	4410.7	4132.0	3908.4	4208.7	4527.4	4395.6	4176.3	4771.5	5065.4
60°	3946.2	3986.2	4135.3	4085.6	4034.8	4446.4	4894.7	4833.1	4600.8	5088.0	5327.9
62.5°	3160.9	3239.7	3566.0	3831.7	4136.3	4779.1	5253.3	5260.9	5040.5	5333.3	5531.0
65°	2132.4	2126.0	2612.1	3271.0	4016.4	5301.9	5789.1	5774.0	5447.8	5613.1	5830.2
67.5°	1185.0	1211.0	1529.7	2164.8	3555.1	5626.0	6817.5	6493.5	6009.5	6039.8	6250.4
70°	733.5	764.8	871.8	1209.9	2276.1	5247.9	8138.7	7987.5	7047.6	6605.8	6420.0
72.5°	557.4	574.7	661.1	857.7	1369.8	3796.0	8577.3	9244.9	8231.6	6745.2	6050.6
75°	332.7	353.2	471.0	741.1	1141.8	1965.0	7436.5	8821.4	8607.5	6656.6	5280.3
77.5°	207.4	212.8	253.9	517.4	1052.2	1236.9	5094.5	6832.7	7015.2	5637.9	3731.2
80°	158.8	159.9	175.0	275.5	850.2	1171.0	2950.2	4563.0	4472.3	3010.7	1465.9
82.5°	100.5	106.9	136.1	168.5	404.0	1141.8	1743.5	2598.0	2286.9	814.5	408.3
85°	50.8	57.3	96.1	115.6	195.5	1236.9	1236.9	1332.0	936.6	273.3	154.5
87.5°	8.6	8.6	13.0	30.2	38.9	209.6	345.7	301.4	198.8	36.7	30.2
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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	5.4	5.4	5.4	4.3	3.2	2.2	1.1	1.1	1.1	2.2	2.2
5°	5.4	5.4	5.4	4.3	3.2	2.2	1.1	1.1	2.2	3.2	3.2
7.5°	5.4	5.4	5.4	4.3	3.2	3.2	2.2	4.3	9.7	126.4	85.3
10°	6.5	6.5	6.5	5.4	4.3	11.9	369.5	390.0	391.1	388.9	384.6
12.5°	34.6	37.8	28.1	9.7	40.0	370.5	355.4	338.1	331.6	324.1	324.1
15°	682.7	674.1	636.3	468.8	287.4	330.6	297.1	274.4	425.6	420.2	424.5
17.5°	684.9	669.8	615.8	670.8	622.2	297.1	337.0	366.2	345.7	338.1	341.4
20°	1299.6	1229.3	624.4	625.5	533.7	527.2	286.3	270.1	273.3	279.8	281.9
22.5°	1323.3	1242.3	958.2	810.2	458.0	422.4	292.8	234.4	346.8	385.7	390.0
25°	1334.1	1232.6	905.3	717.3	517.4	316.5	283.0	257.1	316.5	355.4	357.6
27.5°	1886.1	1709.0	1236.9	609.3	399.7	277.6	264.7	242.0	284.1	352.2	353.2
30°	1869.9	1661.4	1146.2	589.8	309.0	256.0	229.0	252.8	267.9	286.3	286.3
32.5°	2431.7	2132.4	1271.5	475.3	259.3	212.8	216.1	230.1	231.2	273.3	276.5
35°	2432.8	2086.0	1095.4	434.3	222.5	194.4	197.7	212.8	235.5	262.5	266.8
37.5°	2470.6	2065.5	944.2	338.1	222.5	194.4	188.0	203.1	219.3	257.1	261.4
40°	2550.5	2074.1	800.5	280.9	215.0	191.2	185.8	197.7	217.1	238.7	240.9
42.5°	2686.6	2122.7	664.4	253.9	209.6	191.2	178.2	186.9	197.7	242.0	246.3
45°	2902.7	2226.4	559.6	243.1	207.4	183.6	169.6	171.8	179.3	286.3	298.2
47.5°	3155.5	2370.1	468.8	237.7	204.2	176.1	156.6	158.8	176.1	325.2	341.4
50°	3447.1	2582.9	414.8	236.6	200.9	165.3	146.9	158.8	194.4	324.1	331.6
52.5°	3789.6	2799.0	385.7	240.9	198.8	155.6	152.3	178.2	184.7	260.3	260.3
55°	4097.4	3038.8	387.8	244.1	192.3	155.6	156.6	151.2	145.8	179.3	180.4
57.5°	4399.9	3277.5	423.5	237.7	182.6	156.6	135.0	124.2	126.4	152.3	155.6
60°	4662.4	3507.6	530.4	223.6	173.9	141.5	125.3	116.7	118.8	153.4	156.6
62.5°	4945.4	3788.5	734.6	229.0	172.8	134.0	116.7	106.9	111.3	127.5	129.6
65°	5327.9	4180.6	918.2	270.1	179.3	129.6	106.9	101.5	102.6	103.7	103.7
67.5°	5702.7	4422.6	885.8	318.7	200.9	127.5	101.5	95.1	94.0	94.0	94.0
70°	5666.0	4160.1	702.2	338.1	218.2	127.5	97.2	88.6	86.4	86.4	86.4
72.5°	5135.6	3558.4	539.1	313.3	200.9	122.1	90.7	81.0	77.8	77.8	77.8
75°	4369.7	2854.1	452.6	272.2	164.2	104.8	79.9	72.4	70.2	70.2	69.1
77.5°	2791.4	1687.4	384.6	221.5	126.4	85.3	69.1	62.7	62.7	62.7	59.4
80°	1120.2	742.1	299.2	175.0	98.3	68.1	57.3	54.0	52.9	51.9	48.6
82.5°	425.6	366.2	194.4	127.5	75.6	51.9	46.5	43.2	43.2	42.1	36.7
85°	152.3	142.6	89.7	73.5	46.5	32.4	35.6	32.4	31.3	28.1	23.8
87.5°	32.4	35.6	24.8	16.2	16.2	9.7	11.9	13.0	13.0	11.9	6.5
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)