

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: P416395

Luminaire Tested: **LXF.LXT-PA1-70-750-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416395
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-PA1-70-750-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8339 lumens
Efficiency: N/A
Efficacy: 112.7 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

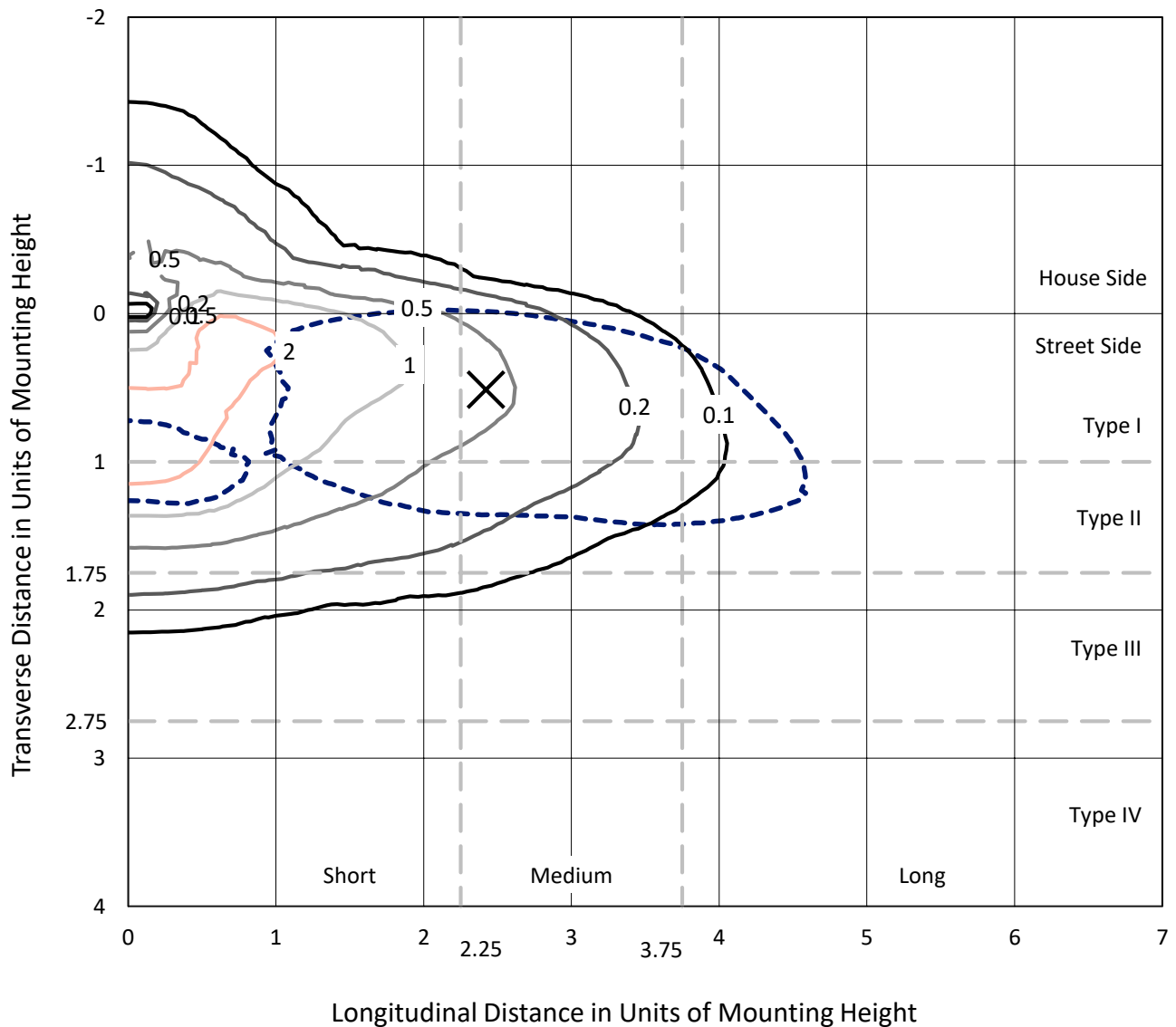
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

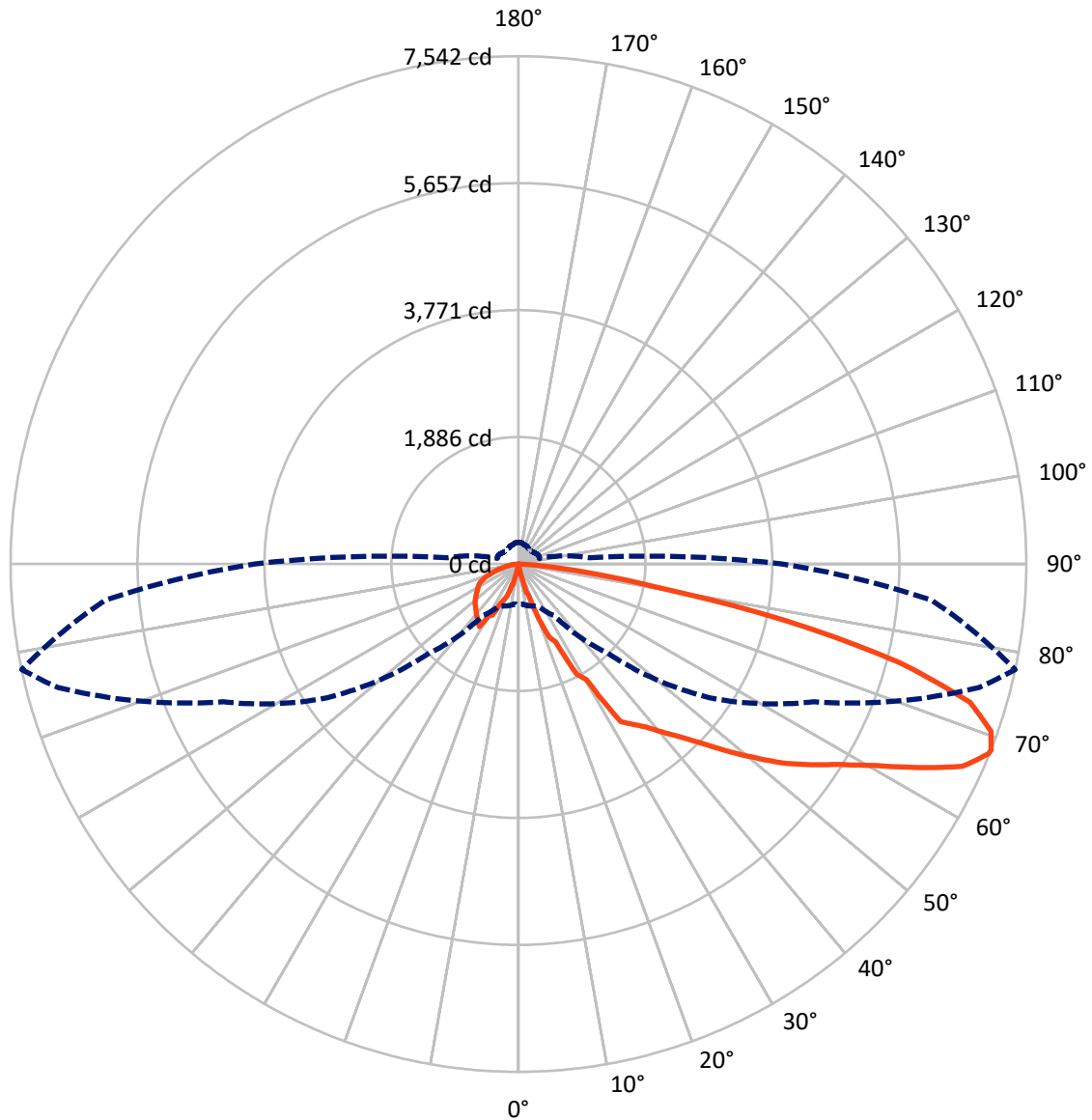
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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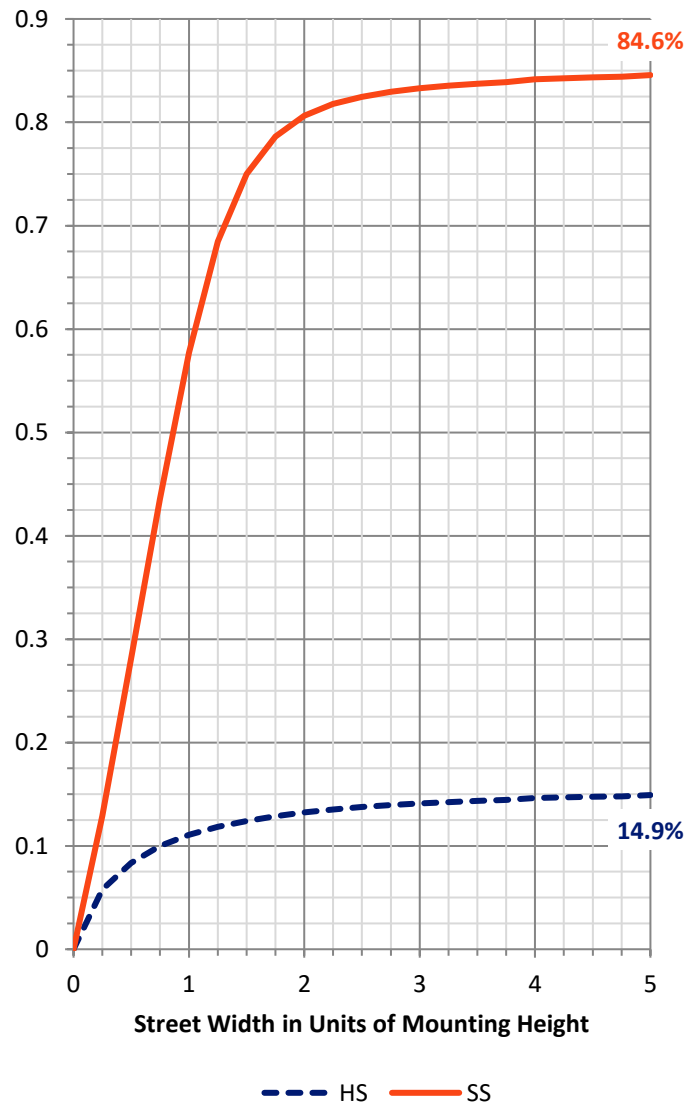
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1266.1	0.0	1266.1
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	7072.9	0.0	7072.9
	% Fixture	84.8	0.0	84.8
Total	Lumens	8339.0	0.0	8339.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.1
10°-20°	120.9	1.4
20°-30°	460.2	5.5
30°-40°	1074.4	12.9
40°-50°	1677.3	20.1
50°-60°	1925.4	23.1
60°-70°	1789.1	21.5
70°-80°	1105.5	13.3
80°-90°	178.0	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°	8339.0	100.0
0°-180°	8339.0	100.0

Coefficient of Utilization



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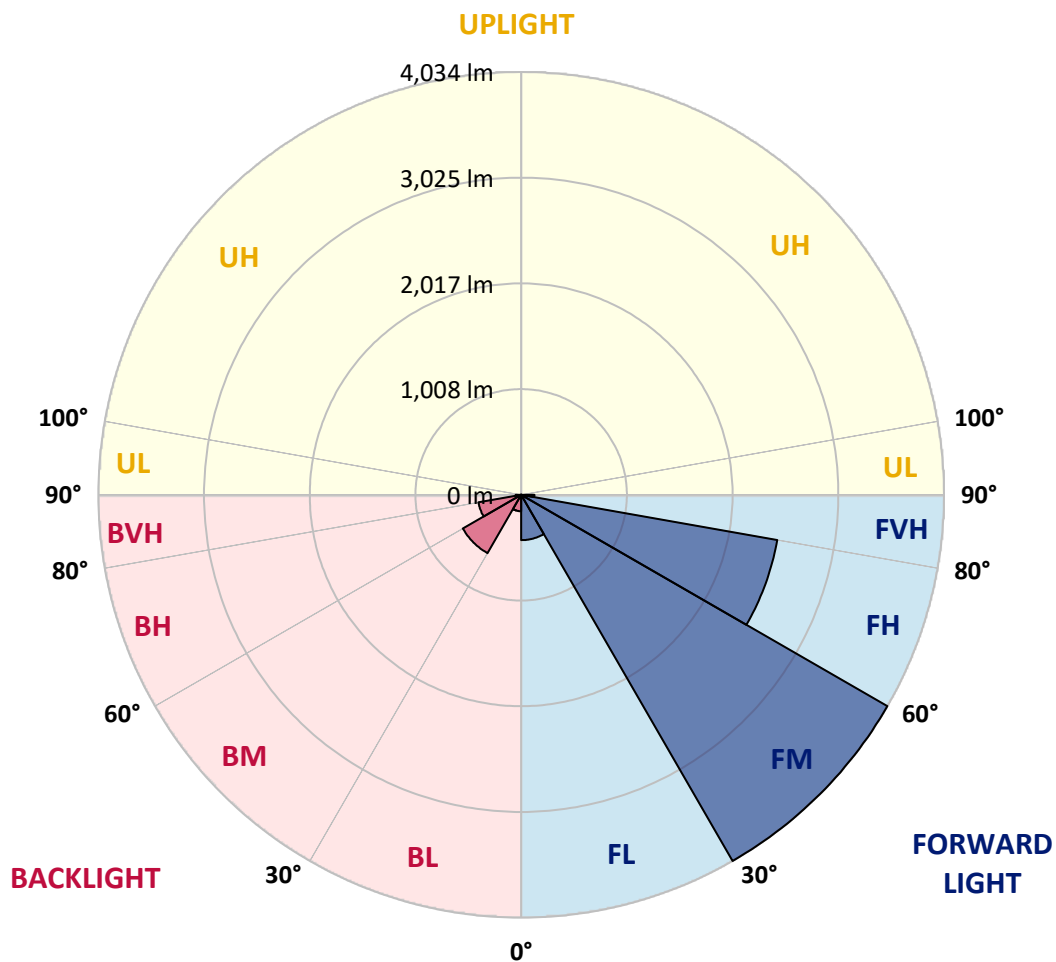
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	432.4	5.2			
FM	(30°-60°)	4033.9	48.4			
FH	(60°-80°)	2480.7	29.7			G2/5000
FVH	(80°-90°)	125.9	1.5			G2/225
BL	(0°-30°)	156.9	1.9	B1/500		
BM	(30°-60°)	643.2	7.7	B1/1000		
BH	(60°-80°)	413.8	5.0	B1/500		G1/500
BVH	(80°-90°)	52.1	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°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2.5°	6.4	6.4	7.3	8.2	10.1	9.1	6.4	4.6	3.7	3.7	3.7
5°	295.5	271.7	151.9	78.7	27.4	16.5	8.2	6.4	4.6	4.6	3.7
7.5°	333.9	332.1	329.4	326.6	322.0	304.7	32.0	9.1	5.5	5.5	3.7
10°	360.5	357.7	355.9	354.1	347.7	338.5	323.0	28.4	10.1	9.1	8.2
12.5°	699.9	698.1	695.3	444.6	376.9	366.9	353.1	252.5	29.3	43.9	132.7
15°	698.1	695.3	703.5	718.2	730.1	401.6	405.3	709.0	439.1	421.8	449.2
17.5°	728.2	724.6	715.4	725.5	747.5	839.9	794.1	767.6	516.9	493.1	479.4
20°	1067.7	1067.7	1078.6	1069.5	775.8	1073.2	1016.4	824.3	934.1	878.3	817.0
22.5°	1129.9	1125.3	1127.1	1145.4	1346.7	1112.5	1121.6	1271.7	1298.2	1185.7	1016.4
25°	1606.5	1605.6	1542.5	1210.4	1419.9	1341.2	1549.8	1360.4	1408.0	1275.3	1247.0
27.5°	1807.8	1809.6	1758.4	1712.7	1500.4	1739.2	1645.0	1791.3	1999.9	1858.1	1597.4
30°	2432.7	2408.9	2006.3	1961.5	1836.2	1833.4	1991.7	2115.2	2056.7	1989.9	1784.0
32.5°	2891.0	2867.2	2778.5	2468.4	2182.9	2042.0	2288.1	2213.1	2683.4	2793.1	2419.0
35°	3600.1	3591.8	3120.7	2800.5	2563.5	2469.3	2404.3	2696.2	2904.8	2921.2	2576.3
37.5°	4144.4	4117.9	3841.6	3277.1	2885.5	2667.8	2822.4	2827.0	3147.2	3069.4	2822.4
40°	4393.3	4376.8	4164.6	3634.8	3182.0	2935.9	2998.1	3024.6	3412.5	3278.0	3001.7
42.5°	4582.7	4562.5	4428.0	3849.8	3442.7	3207.6	3179.2	3203.0	3669.6	3505.8	3193.9
45°	4680.6	4668.7	4605.5	4002.6	3624.8	3380.5	3373.2	3360.4	3844.3	3786.7	3402.5
47.5°	4625.7	4612.8	4641.2	4210.3	3738.2	3522.3	3553.4	3530.5	4044.7	4138.9	3629.3
50°	4321.0	4332.9	4446.3	4218.5	3810.5	3637.6	3743.7	3687.0	4317.3	4510.4	3904.7
52.5°	3439.1	3487.5	3967.9	4035.6	3817.8	3691.6	3914.8	3925.8	4655.8	4907.4	4267.0
55°	2566.3	2634.9	3060.3	3589.1	3671.4	3693.4	4024.6	4144.4	4993.4	5260.6	4571.7
57.5°	2020.1	2062.2	2333.0	2863.6	3318.3	3628.4	4137.1	4321.9	5307.2	5613.7	4870.8
60°	1614.8	1589.2	1765.7	2168.3	2765.7	3446.4	4186.5	4553.4	5697.9	6069.3	5223.1
62.5°	1167.4	1169.2	1303.7	1533.3	2189.3	3086.8	4148.1	4777.5	6195.6	6658.5	5692.4
65°	828.0	836.2	927.7	1051.2	1582.8	2592.8	3957.8	4930.3	6757.3	7247.7	6073.9
67.5°	630.4	635.8	678.8	736.5	1022.8	1972.5	3567.1	4899.2	7065.7	7526.8	6184.6
68°	604.7	595.6	644.1	686.2	941.4	1870.0	3460.1	4837.0	7080.3	7542.3	6158.1
70°	509.6	509.6	531.5	541.6	667.0	1382.4	2935.9	4461.0	7028.1	7446.2	5956.8
72.5°	425.4	422.7	435.5	427.3	471.2	904.8	2132.6	3847.1	6655.8	7008.0	5357.6
75°	354.1	354.1	355.9	349.5	361.4	606.6	1386.1	3013.6	5880.0	5851.6	4360.3
77.5°	301.9	294.6	292.8	283.6	293.7	441.0	849.9	2144.5	4245.1	4092.3	2768.4
80°	239.7	238.8	240.6	235.1	243.4	321.1	517.8	1253.4	2311.9	2034.7	1290.9
82.5°	148.2	162.8	179.3	179.3	204.9	226.9	313.8	670.6	1120.7	985.3	548.0
85°	48.5	59.5	105.2	108.9	131.7	106.1	180.2	215.9	374.2	333.9	105.2
87.5°	1.8	2.7	8.2	12.8	11.9	7.3	12.8	10.1	21.0	15.6	16.5
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°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2.5°	3.7	3.7	3.7	4.6	4.6	2.7	1.8	3.7	3.7	3.7	3.7
5°	3.7	3.7	4.6	4.6	4.6	3.7	4.6	6.4	7.3	7.3	7.3
7.5°	3.7	3.7	3.7	5.5	5.5	6.4	9.1	54.9	126.3	138.1	136.3
10°	7.3	6.4	7.3	8.2	10.1	117.1	153.7	161.9	165.6	168.3	167.4
12.5°	175.7	157.4	29.3	16.5	110.7	164.7	167.4	173.8	180.2	183.0	183.0
15°	411.7	368.7	281.8	212.3	189.4	175.7	178.4	234.2	318.4	326.6	327.5
17.5°	437.3	383.3	294.6	324.8	334.8	260.7	286.4	322.0	325.7	326.6	326.6
20°	824.3	690.7	419.0	342.2	341.3	436.4	305.6	314.7	320.2	364.1	369.6
22.5°	892.0	740.1	503.2	485.8	367.8	436.4	399.8	388.8	425.4	421.8	424.5
25°	1121.6	888.4	529.7	487.6	515.1	422.7	469.3	387.0	393.4	391.6	391.6
27.5°	1426.3	1120.7	740.1	546.2	500.4	488.5	434.6	372.4	446.5	448.3	448.3
30°	1510.5	1152.8	740.1	590.1	520.6	480.3	401.6	440.1	415.4	408.0	404.4
32.5°	2093.3	1563.5	895.7	568.1	513.3	441.0	440.1	409.0	408.0	424.5	424.5
35°	2199.4	1587.3	817.9	649.6	484.0	454.7	418.1	413.5	395.2	388.8	387.9
37.5°	2304.6	1602.0	758.4	596.5	496.8	433.7	411.7	379.7	399.8	399.8	398.0
40°	2417.1	1617.5	704.5	548.0	456.5	433.7	381.5	378.8	351.3	353.1	351.3
42.5°	2537.9	1623.9	646.8	507.8	419.0	407.1	368.7	340.3	339.4	345.8	344.0
45°	2676.0	1632.2	593.8	456.5	381.5	358.6	329.4	331.2	348.6	363.2	363.2
47.5°	2823.3	1639.5	549.8	410.8	355.0	325.7	303.7	311.1	342.2	356.8	361.4
50°	3022.8	1648.6	499.5	373.3	336.7	301.0	297.3	303.7	337.6	348.6	344.0
52.5°	3235.0	1632.2	450.1	349.5	317.5	273.6	280.0	296.4	333.0	338.5	334.8
55°	3408.9	1591.0	411.7	333.9	303.7	261.7	270.8	290.9	325.7	328.4	329.4
57.5°	3611.1	1537.0	381.5	322.0	295.5	256.2	267.1	290.0	311.1	323.9	323.9
60°	3809.6	1473.9	363.2	315.6	289.1	256.2	267.1	289.1	308.3	322.0	321.1
62.5°	4042.0	1402.5	352.2	319.3	280.9	258.9	269.0	291.8	307.4	323.0	321.1
65°	4123.4	1266.2	344.0	324.8	280.0	262.6	269.9	295.5	306.5	324.8	323.0
67.5°	3962.4	1086.0	330.3	324.8	288.2	267.1	269.0	293.7	303.7	325.7	317.5
68°	3908.4	1059.4	325.7	323.9	289.1	268.1	269.0	292.8	301.9	324.8	315.6
70°	3608.3	891.1	302.8	314.7	292.8	271.7	264.4	286.4	292.8	323.0	312.0
72.5°	3122.5	694.4	264.4	292.8	289.1	277.2	256.2	273.6	277.2	301.9	283.6
75°	2496.7	527.9	218.7	254.3	271.7	277.2	244.3	256.2	255.3	267.1	250.7
77.5°	1569.9	376.9	176.6	215.9	247.0	269.9	233.3	233.3	222.3	224.1	216.8
80°	761.2	258.0	142.7	178.4	206.8	255.3	214.1	196.7	183.0	179.3	170.2
82.5°	374.2	166.5	98.8	134.5	163.8	211.3	192.1	161.9	138.1	136.3	121.7
85°	86.9	68.6	54.0	71.4	103.4	138.1	138.1	101.6	86.0	111.6	82.3
87.5°	8.2	10.1	11.0	10.1	12.8	11.9	29.3	29.3	26.5	17.4	11.9
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)