

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: P416915

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416915
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-PA1-80-827-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6701 lumens
Efficiency: N/A
Efficacy: 80.7 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

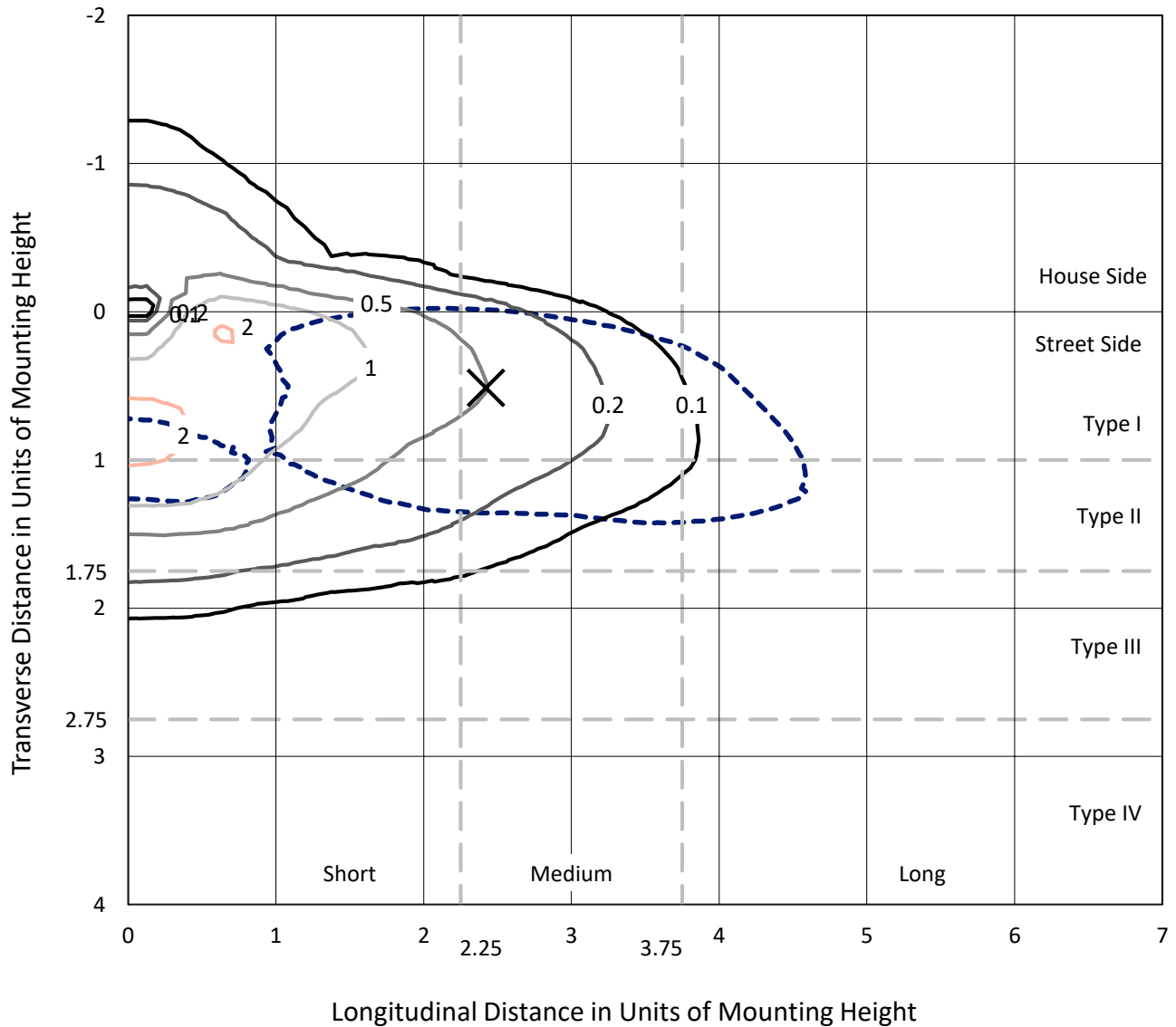
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

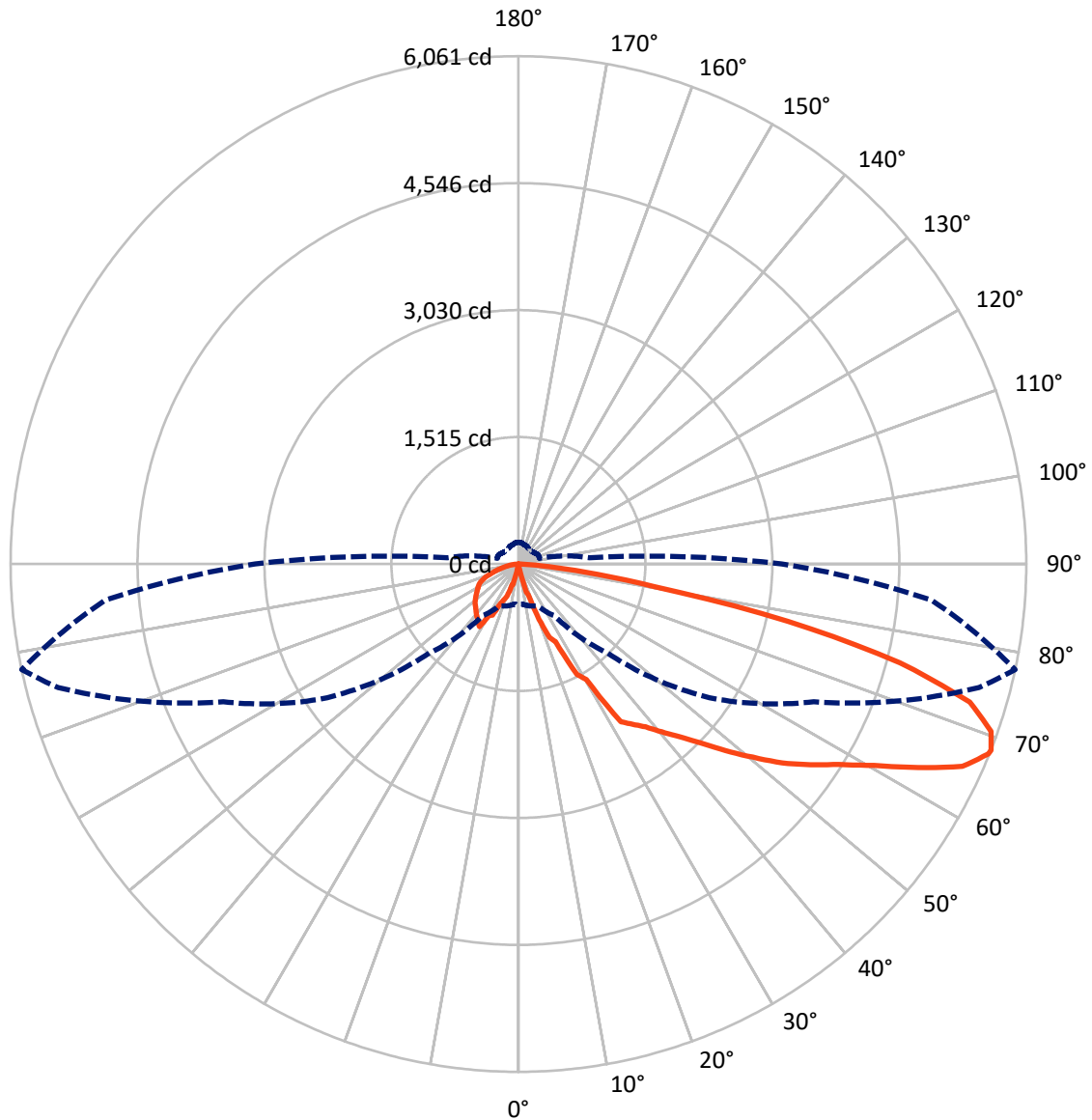
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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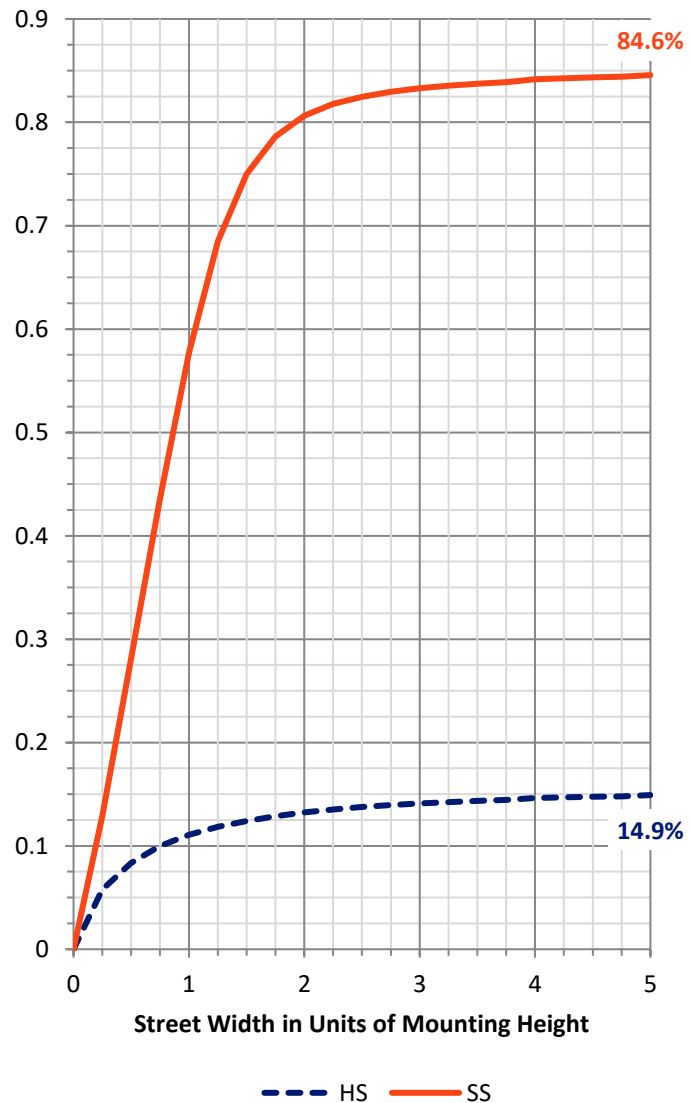
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1017.4	0.0	1017.4
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5683.6	0.0	5683.6
	% Fixture	84.8	0.0	84.8
Total	Lumens	6701.0	0.0	6701.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.1
10°-20°	97.1	1.4
20°-30°	369.8	5.5
30°-40°	863.4	12.9
40°-50°	1347.8	20.1
50°-60°	1547.2	23.1
60°-70°	1437.7	21.5
70°-80°	888.3	13.3
80°-90°	143.0	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°	6701.0	100.0
0°-180°	6701.0	100.0

Coefficient of Utilization



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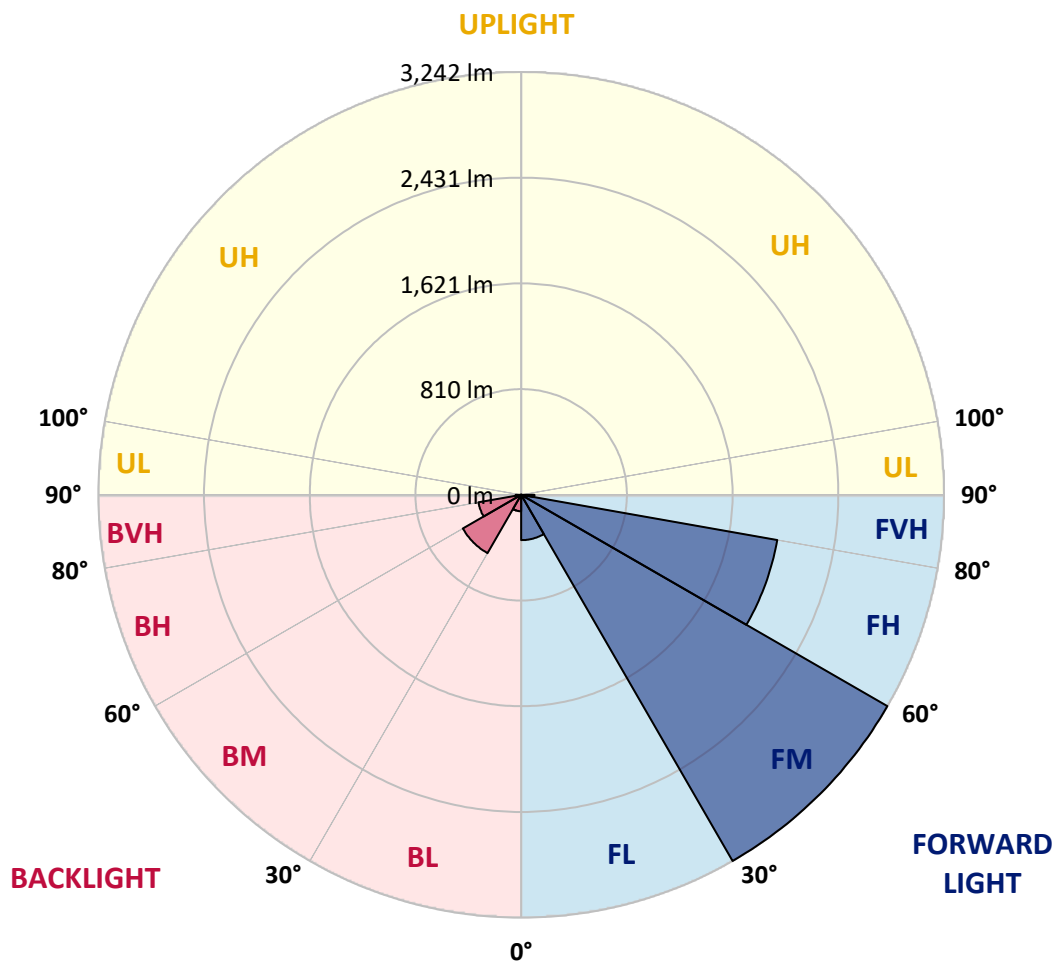
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.5	5.2			
FM (30°-60°)	3241.5	48.4			
FH (60°-80°)	1993.5	29.7			G2/5000
FVH (80°-90°)	101.2	1.5			G2/225
BL (0°-30°)	126.1	1.9	B1/500		
BM (30°-60°)	516.9	7.7	B1/1000		
BH (60°-80°)	332.5	5.0	B1/500		G1/500
BVH (80°-90°)	41.8	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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	5.1	5.1	5.9	6.6	8.1	7.4	5.1	3.7	2.9	2.9	2.9
5°	237.5	218.3	122.0	63.2	22.1	13.2	6.6	5.1	3.7	3.7	2.9
7.5°	268.3	266.9	264.7	262.5	258.8	244.8	25.7	7.4	4.4	4.4	2.9
10°	289.7	287.5	286.0	284.5	279.4	272.0	259.5	22.8	8.1	7.4	6.6
12.5°	562.4	560.9	558.7	357.3	302.9	294.8	283.8	202.9	23.5	35.3	106.6
15°	560.9	558.7	565.4	577.1	586.7	322.7	325.7	569.8	352.9	338.9	361.0
17.5°	585.2	582.3	574.9	583.0	600.6	674.9	638.1	616.8	415.4	396.3	385.2
20°	858.0	858.0	866.8	859.4	623.4	862.4	816.8	662.4	750.6	705.8	656.5
22.5°	907.9	904.3	905.7	920.4	1082.2	894.0	901.3	1021.9	1043.2	952.8	816.8
25°	1291.0	1290.2	1239.5	972.6	1141.0	1077.8	1245.4	1093.2	1131.4	1024.8	1002.0
27.5°	1452.7	1454.2	1413.0	1376.3	1205.7	1397.6	1321.8	1439.5	1607.1	1493.1	1283.6
30°	1954.8	1935.7	1612.2	1576.2	1475.5	1473.3	1600.5	1699.7	1652.7	1599.0	1433.6
32.5°	2323.2	2304.0	2232.7	1983.5	1754.1	1640.9	1838.7	1778.4	2156.3	2244.5	1943.8
35°	2892.9	2886.3	2507.7	2250.4	2060.0	1984.2	1932.0	2166.6	2334.2	2347.4	2070.3
37.5°	3330.4	3309.0	3087.0	2633.4	2318.7	2143.8	2268.0	2271.7	2529.0	2466.5	2268.0
40°	3530.3	3517.1	3346.5	2920.9	2556.9	2359.2	2409.2	2430.5	2742.2	2634.1	2412.1
42.5°	3682.5	3666.3	3558.3	3093.6	2766.5	2577.5	2554.7	2573.9	2948.8	2817.2	2566.5
45°	3761.2	3751.6	3700.9	3216.4	2912.8	2716.5	2710.6	2700.3	3089.2	3042.9	2734.1
47.5°	3717.1	3706.8	3729.6	3383.3	3003.9	2830.4	2855.4	2837.0	3250.2	3325.9	2916.4
50°	3472.2	3481.8	3573.0	3389.9	3062.0	2923.1	3008.3	2962.8	3469.3	3624.4	3137.7
52.5°	2763.5	2802.5	3188.5	3242.9	3067.9	2966.4	3145.8	3154.6	3741.3	3943.5	3428.9
55°	2062.2	2117.3	2459.2	2884.1	2950.3	2967.9	3234.0	3330.4	4012.6	4227.3	3673.7
57.5°	1623.3	1657.1	1874.7	2301.1	2666.5	2915.7	3324.5	3473.0	4264.8	4511.0	3914.1
60°	1297.6	1277.0	1418.9	1742.4	2222.4	2769.4	3364.2	3659.0	4578.7	4877.2	4197.1
62.5°	938.1	939.6	1047.6	1232.2	1759.3	2480.5	3333.3	3839.1	4978.6	5350.6	4574.3
65°	665.3	672.0	745.5	844.7	1271.9	2083.5	3180.4	3961.9	5430.0	5824.1	4880.8
67.5°	506.5	510.9	545.5	591.8	821.9	1585.0	2866.5	3936.9	5677.8	6048.3	4969.8
68°	486.0	478.6	517.6	551.4	756.5	1502.7	2780.4	3886.9	5689.5	6060.8	4948.5
70°	409.5	409.5	427.1	435.2	535.9	1110.9	2359.2	3584.7	5647.6	5983.6	4786.7
72.5°	341.9	339.7	349.9	343.3	378.6	727.1	1713.7	3091.4	5348.4	5631.5	4305.2
75°	284.5	284.5	286.0	280.8	290.4	487.4	1113.8	2421.7	4725.0	4702.2	3503.9
77.5°	242.6	236.7	235.3	227.9	236.0	354.4	683.0	1723.3	3411.2	3288.4	2224.6
80°	192.6	191.9	193.4	188.9	195.6	258.0	416.1	1007.2	1857.8	1635.0	1037.3
82.5°	119.1	130.9	144.1	144.1	164.7	182.3	252.2	538.9	900.6	791.8	440.4
85°	39.0	47.8	84.5	87.5	105.9	85.3	144.8	173.5	300.7	268.3	84.5
87.5°	1.5	2.2	6.6	10.3	9.6	5.9	10.3	8.1	16.9	12.5	13.2
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°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	2.9	2.9	2.9	3.7	3.7	2.2	1.5	2.9	2.9	2.9	2.9
5°	2.9	2.9	3.7	3.7	3.7	2.9	3.7	5.1	5.9	5.9	5.9
7.5°	2.9	2.9	2.9	4.4	4.4	5.1	7.4	44.1	101.5	111.0	109.5
10°	5.9	5.1	5.9	6.6	8.1	94.1	123.5	130.1	133.1	135.3	134.5
12.5°	141.2	126.5	23.5	13.2	89.0	132.3	134.5	139.7	144.8	147.0	147.0
15°	330.8	296.3	226.4	170.6	152.2	141.2	143.4	188.2	255.8	262.5	263.2
17.5°	351.4	308.0	236.7	261.0	269.1	209.5	230.1	258.8	261.7	262.5	262.5
20°	662.4	555.1	336.7	275.0	274.2	350.7	245.5	252.9	257.3	292.6	297.0
22.5°	716.8	594.8	404.3	390.4	295.5	350.7	321.3	312.5	341.9	338.9	341.1
25°	901.3	713.9	425.7	391.8	413.9	339.7	377.1	311.0	316.1	314.7	314.7
27.5°	1146.1	900.6	594.8	438.9	402.1	392.6	349.2	299.2	358.8	360.2	360.2
30°	1213.8	926.3	594.8	474.2	418.3	386.0	322.7	353.6	333.8	327.9	324.9
32.5°	1682.1	1256.4	719.7	456.5	412.4	354.4	353.6	328.6	327.9	341.1	341.1
35°	1767.4	1275.5	657.2	522.0	388.9	365.4	336.0	332.3	317.6	312.5	311.7
37.5°	1851.9	1287.3	609.5	479.3	399.2	348.5	330.8	305.1	321.3	321.3	319.8
40°	1942.3	1299.8	566.1	440.4	366.9	348.5	306.6	304.4	282.3	283.8	282.3
42.5°	2039.4	1304.9	519.8	408.0	336.7	327.2	296.3	273.5	272.8	277.9	276.4
45°	2150.4	1311.6	477.1	366.9	306.6	288.2	264.7	266.1	280.1	291.9	291.9
47.5°	2268.8	1317.4	441.8	330.1	285.2	261.7	244.1	250.0	275.0	286.7	290.4
50°	2429.0	1324.8	401.4	300.0	270.5	241.9	238.9	244.1	271.3	280.1	276.4
52.5°	2599.6	1311.6	361.7	280.8	255.1	219.8	225.0	238.2	267.6	272.0	269.1
55°	2739.3	1278.5	330.8	268.3	244.1	210.3	217.6	233.8	261.7	263.9	264.7
57.5°	2901.7	1235.1	306.6	258.8	237.5	205.8	214.7	233.1	250.0	260.3	260.3
60°	3061.3	1184.4	291.9	253.6	232.3	205.8	214.7	232.3	247.8	258.8	258.0
62.5°	3248.0	1127.0	283.0	256.6	225.7	208.1	216.1	234.5	247.0	259.5	258.0
65°	3313.4	1017.5	276.4	261.0	225.0	211.0	216.9	237.5	246.3	261.0	259.5
67.5°	3184.1	872.7	265.4	261.0	231.6	214.7	216.1	236.0	244.1	261.7	255.1
68°	3140.7	851.3	261.7	260.3	232.3	215.4	216.1	235.3	242.6	261.0	253.6
70°	2899.5	716.1	243.3	252.9	235.3	218.3	212.5	230.1	235.3	259.5	250.7
72.5°	2509.2	558.0	212.5	235.3	232.3	222.8	205.8	219.8	222.8	242.6	227.9
75°	2006.3	424.2	175.7	204.4	218.3	222.8	196.3	205.8	205.1	214.7	201.4
77.5°	1261.6	302.9	141.9	173.5	198.5	216.9	187.5	187.5	178.6	180.1	174.2
80°	611.7	207.3	114.7	143.4	166.2	205.1	172.0	158.1	147.0	144.1	136.7
82.5°	300.7	133.8	79.4	108.1	131.6	169.8	154.4	130.1	111.0	109.5	97.8
85°	69.8	55.1	43.4	57.3	83.1	111.0	111.0	81.6	69.1	89.7	66.2
87.5°	6.6	8.1	8.8	8.1	10.3	9.6	23.5	23.5	21.3	14.0	9.6
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)