

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: P413801

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6721 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full 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

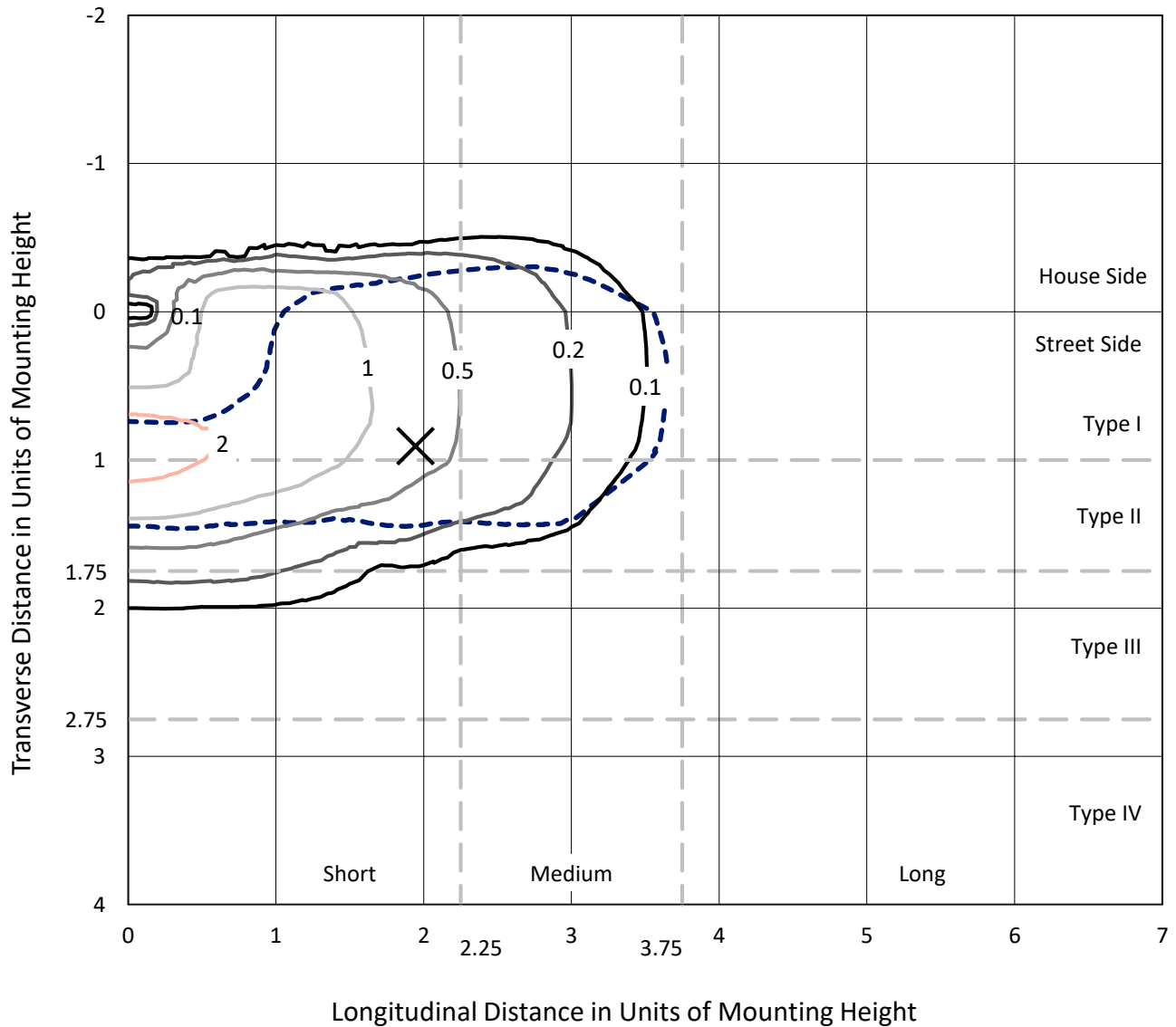


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

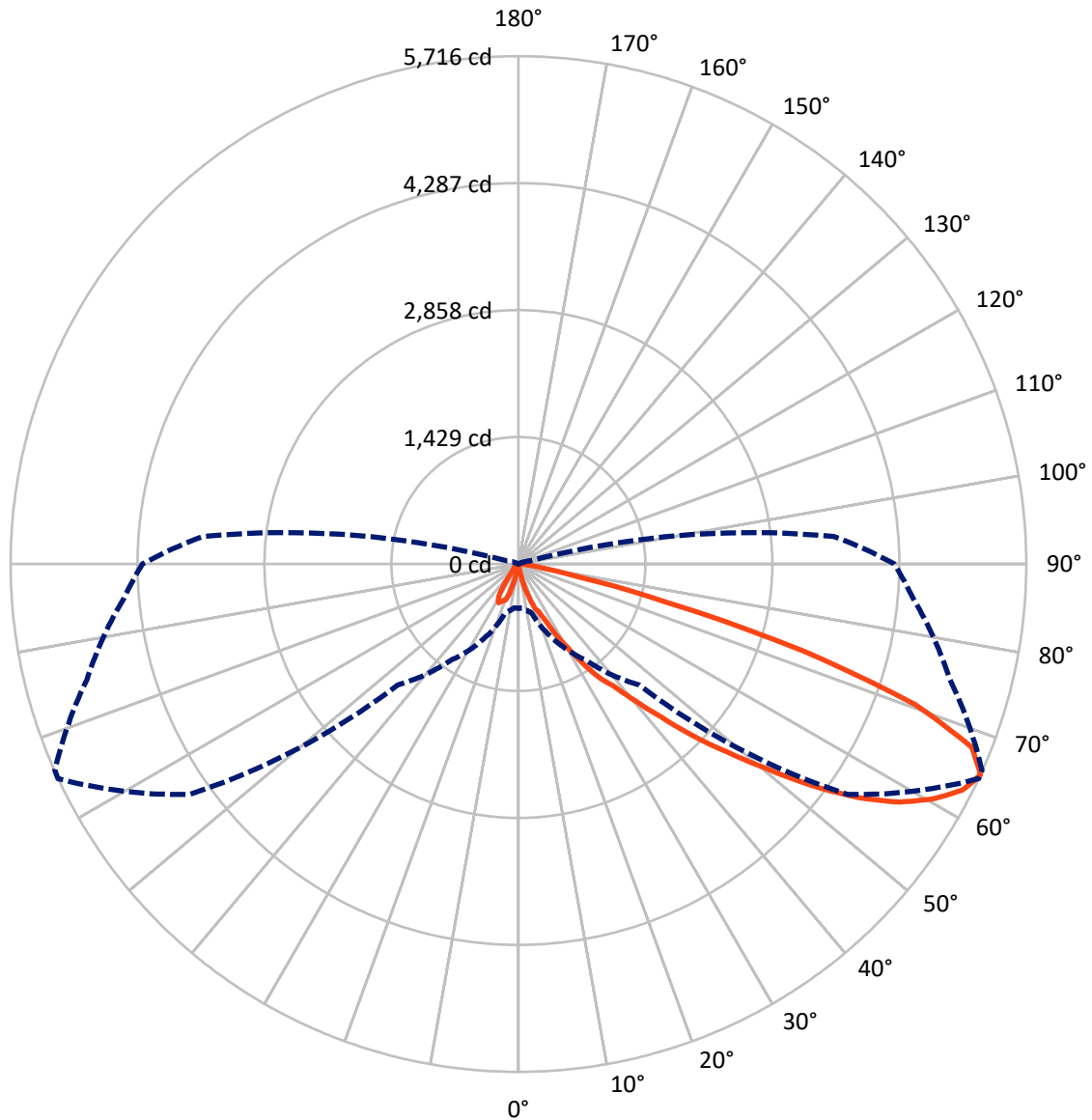


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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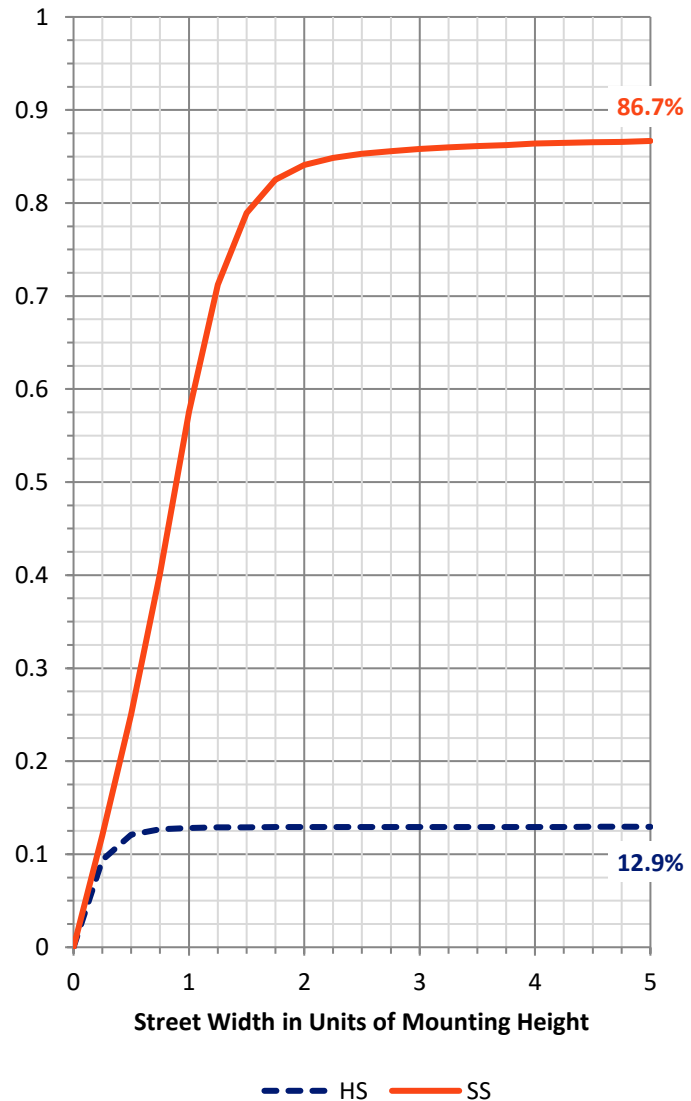
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	881.9	0.0	881.9
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	5839.1	0.0	5839.1
	% Fixture	86.9	0.0	86.9
Total	Lumens	6721.0	0.0	6721.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.1
10°-20°	69.8	1.0
20°-30°	237.1	3.5
30°-40°	666.9	9.9
40°-50°	1479.6	22.0
50°-60°	1984.0	29.5
60°-70°	1580.6	23.5
70°-80°	651.2	9.7
80°-90°	46.6	0.7
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°	6721.0	100.0
0°-180°	6721.0	100.0



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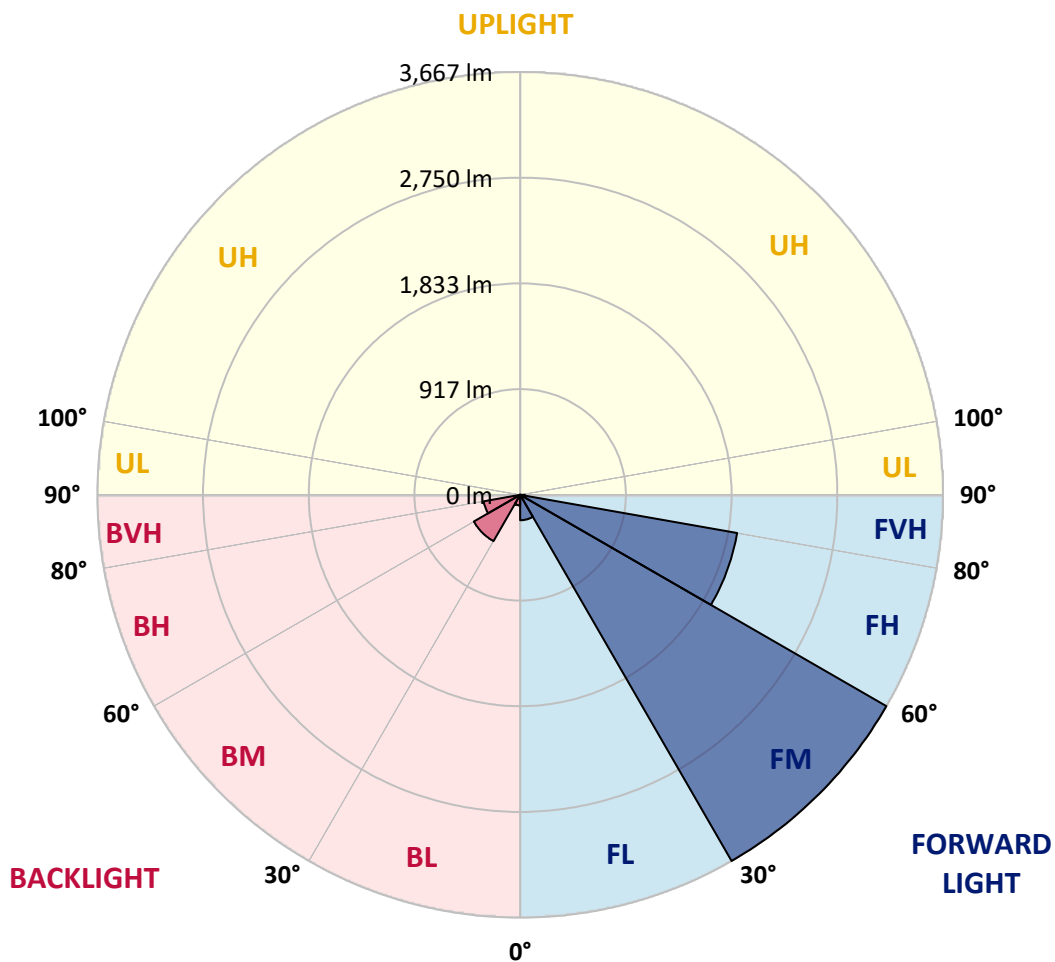
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.4	3.3			
FM (30°-60°)	3666.7	54.6			
FH (60°-80°)	1910.5	28.4			G2/5000
FVH (80°-90°)	41.5	0.6			G1/100
BL (0°-30°)	91.7	1.4	B0/110		
BM (30°-60°)	463.7	6.9	B1/1000		
BH (60°-80°)	321.2	4.8	B1/500		G1/500
BVH (80°-90°)	5.2	0.1			G0/10
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	1.0	1.0	1.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
5°	28.8	26.8	19.9	10.9	6.0	4.0	3.0	2.0	2.0	2.0	2.0
7.5°	200.8	199.8	199.8	201.8	202.8	72.6	7.0	3.0	3.0	2.0	2.0
10°	192.9	191.9	191.9	194.9	197.8	198.8	190.9	5.0	4.0	2.0	2.0
12.5°	359.9	353.9	225.7	197.8	192.9	194.9	195.9	169.0	78.5	121.3	150.1
15°	360.9	357.9	360.9	365.9	292.3	203.8	297.3	290.3	290.3	213.7	293.3
17.5°	364.9	360.9	362.9	369.8	358.9	421.5	397.7	411.6	411.6	304.2	324.1
20°	538.8	537.8	545.8	399.7	446.4	522.9	433.5	531.9	541.8	452.3	468.3
22.5°	549.8	548.8	561.7	559.7	547.8	561.7	634.3	582.6	585.6	684.0	618.4
25°	765.5	747.6	606.4	595.5	719.8	667.1	760.5	701.9	695.9	827.2	784.4
27.5°	875.9	867.9	876.9	850.0	762.5	818.2	823.2	903.7	862.9	947.4	966.3
30°	1064.8	1069.7	1025.0	980.3	999.1	949.4	990.2	1098.6	1093.6	1073.7	1218.9
32.5°	1700.0	1648.3	1560.9	1214.9	1138.3	1102.5	1215.9	1338.2	1288.5	1362.0	1507.2
35°	2249.8	2134.5	1989.3	1742.8	1413.7	1318.3	1456.5	1576.8	1545.9	1694.1	1685.1
37.5°	3166.4	3112.8	2861.2	2231.9	1903.8	1644.4	1711.0	1739.8	1775.6	1944.6	1940.6
40°	3708.3	3646.6	3468.7	2970.6	2402.9	2040.0	2011.2	2026.1	2038.1	2208.1	2220.0
42.5°	4163.6	4135.8	3962.8	3485.6	3021.3	2681.3	2411.9	2353.2	2375.1	2547.1	2524.2
45°	4472.8	4440.0	4283.9	3950.9	3566.1	3391.1	2877.1	2762.8	2768.8	2864.2	2846.3
47.5°	4540.4	4501.6	4432.0	4247.1	4116.9	3974.7	3459.7	3158.5	3226.1	3231.1	3170.4
50°	4299.8	4252.1	4310.7	4267.0	4465.8	4537.4	4049.3	3619.8	3736.1	3629.7	3461.7
52.5°	3704.3	3719.2	3900.2	4032.4	4478.8	4931.1	4682.6	4148.7	4227.2	3958.8	3737.1
55°	2941.8	2978.5	3277.8	3520.4	4174.5	5041.5	5140.9	4638.8	4669.6	4308.8	3959.8
57.5°	2166.3	2216.0	2583.9	2854.3	3585.0	4803.9	5365.6	5055.4	5116.0	4561.3	4114.9
60°	1333.2	1378.9	1795.5	2207.1	2751.9	4120.9	5395.4	5367.6	5437.1	4739.2	4271.0
62.5°	812.2	851.0	1032.9	1533.0	1977.4	3114.8	5146.8	5607.2	5641.9	4919.2	4383.3
65°	500.1	493.1	566.7	931.5	1319.3	1925.7	4518.5	5715.5	5711.5	5027.5	4458.9
67.5°	331.1	337.0	364.9	512.0	898.7	1040.9	3240.0	5502.8	5482.9	5080.2	4429.1
70°	293.3	295.3	323.1	362.9	647.2	606.4	1635.4	4737.2	4709.4	4938.1	4243.1
72.5°	229.7	236.6	282.3	329.1	467.3	444.4	616.4	3355.3	3391.1	4197.4	3734.1
75°	163.0	168.0	213.7	287.3	349.0	340.0	348.0	1729.9	1835.2	2786.7	2736.0
77.5°	102.4	106.4	138.2	212.8	296.3	250.5	243.6	679.0	760.5	1363.0	1369.0
80°	70.6	71.6	85.5	143.2	212.8	205.8	165.0	271.4	274.4	494.1	474.2
82.5°	41.8	41.8	56.7	88.5	130.2	168.0	106.4	136.2	141.2	182.9	104.4
85°	14.9	15.9	30.8	50.7	72.6	88.5	63.6	74.6	77.5	94.4	49.7
87.5°	1.0	2.0	9.9	15.9	19.9	17.9	20.9	22.9	25.8	30.8	17.9
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0
5°	2.0	2.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0
7.5°	2.0	2.0	3.0	3.0	3.0	2.0	27.8	155.1	162.1	167.0	168.0
10°	6.0	4.0	3.0	3.0	3.0	161.1	167.0	163.0	160.1	157.1	158.1
12.5°	152.1	152.1	138.2	89.5	150.1	165.0	156.1	146.1	138.2	129.2	130.2
15°	292.3	290.3	256.5	220.7	252.5	162.1	134.2	178.0	152.1	134.2	131.2
17.5°	325.1	315.2	275.4	351.9	313.2	184.9	155.1	105.4	75.6	68.6	67.6
20°	468.3	455.3	401.6	426.5	286.3	213.7	93.5	59.7	53.7	64.6	66.6
22.5°	602.5	584.6	502.1	441.4	322.1	131.2	65.6	65.6	64.6	62.6	61.6
25°	774.5	742.6	673.1	462.3	255.5	86.5	71.6	58.7	52.7	48.7	48.7
27.5°	951.4	908.7	771.5	492.1	168.0	80.5	63.6	49.7	52.7	50.7	50.7
30°	1209.9	1151.3	898.7	460.3	109.4	74.6	53.7	48.7	42.7	40.8	39.8
32.5°	1477.3	1370.0	1024.0	400.7	86.5	63.6	49.7	39.8	38.8	39.8	39.8
35°	1648.3	1547.9	1159.2	291.3	75.6	55.7	40.8	36.8	33.8	32.8	32.8
37.5°	1853.1	1728.9	1171.1	188.9	65.6	45.7	34.8	30.8	30.8	31.8	31.8
40°	2098.7	1962.5	1123.4	116.3	56.7	37.8	29.8	27.8	26.8	26.8	26.8
42.5°	2374.1	2202.1	1056.8	87.5	47.7	31.8	24.9	23.9	22.9	22.9	22.9
45°	2668.4	2443.7	965.3	72.6	39.8	26.8	20.9	19.9	19.9	18.9	18.9
47.5°	2973.6	2702.2	827.2	63.6	32.8	21.9	17.9	16.9	15.9	15.9	15.9
50°	3235.0	2938.8	658.1	54.7	27.8	18.9	13.9	12.9	12.9	11.9	11.9
52.5°	3472.7	3139.6	521.9	46.7	22.9	14.9	10.9	9.9	9.9	8.9	8.9
55°	3655.6	3288.7	389.7	38.8	18.9	11.9	8.0	7.0	7.0	6.0	7.0
57.5°	3809.7	3380.2	295.3	31.8	15.9	8.9	6.0	5.0	4.0	4.0	4.0
60°	3955.8	3453.8	217.7	24.9	12.9	7.0	4.0	3.0	2.0	2.0	2.0
62.5°	4112.9	3519.4	172.0	19.9	10.9	5.0	2.0	2.0	0.0	0.0	0.0
65°	4231.2	3560.1	133.2	15.9	8.9	3.0	2.0	1.0	0.0	0.0	0.0
67.5°	4235.2	3508.4	104.4	12.9	8.0	3.0	1.0	0.0	0.0	0.0	0.0
70°	4083.1	3288.7	77.5	11.9	7.0	3.0	2.0	1.0	0.0	0.0	0.0
72.5°	3538.3	2581.9	55.7	9.9	6.0	3.0	2.0	1.0	1.0	0.0	0.0
75°	2559.0	1526.1	38.8	8.9	6.0	3.0	3.0	2.0	2.0	2.0	0.0
77.5°	1312.3	634.3	25.8	8.0	5.0	2.0	4.0	3.0	3.0	3.0	1.0
80°	384.7	218.7	15.9	7.0	5.0	2.0	4.0	4.0	4.0	4.0	1.0
82.5°	73.6	42.7	9.9	7.0	5.0	2.0	4.0	4.0	4.0	5.0	0.0
85°	28.8	16.9	7.0	6.0	5.0	2.0	4.0	4.0	5.0	5.0	0.0
87.5°	9.9	8.0	6.0	5.0	5.0	2.0	4.0	4.0	4.0	5.0	1.0
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)