

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: P416713

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416713
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-PA1-80-730-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 6156 lumens
Efficiency: N/A
Efficacy: 74.2 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 - G1

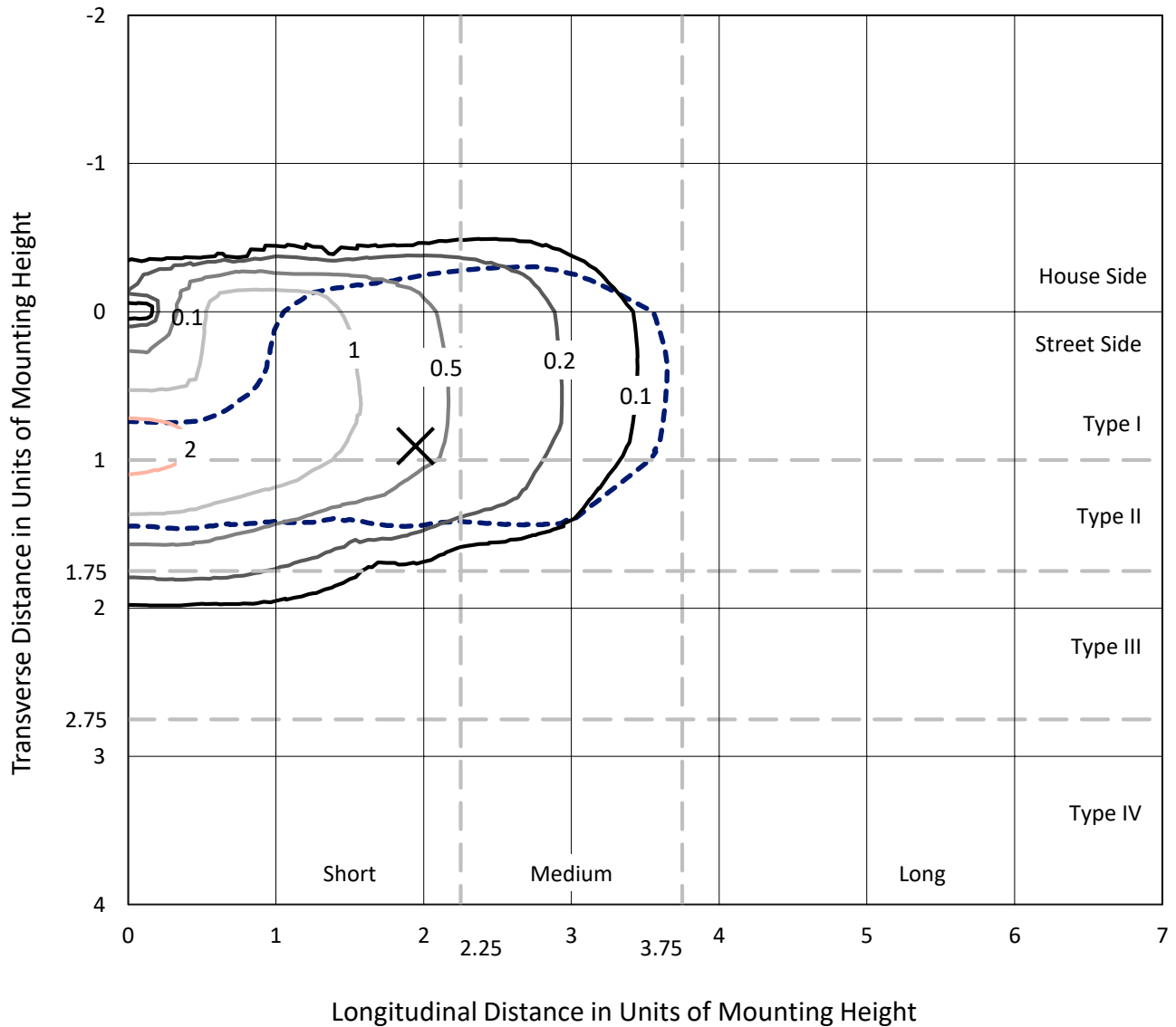
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

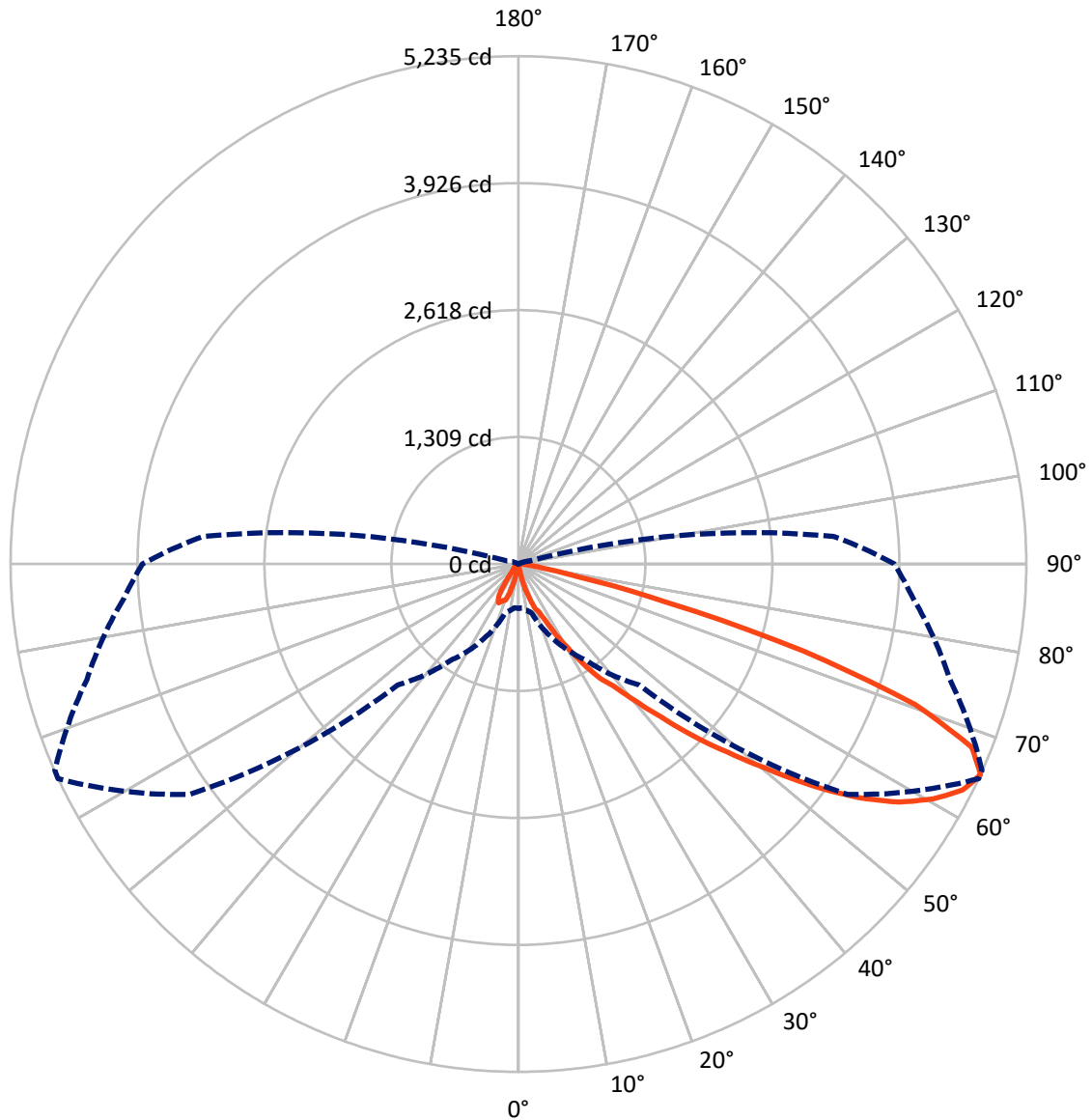
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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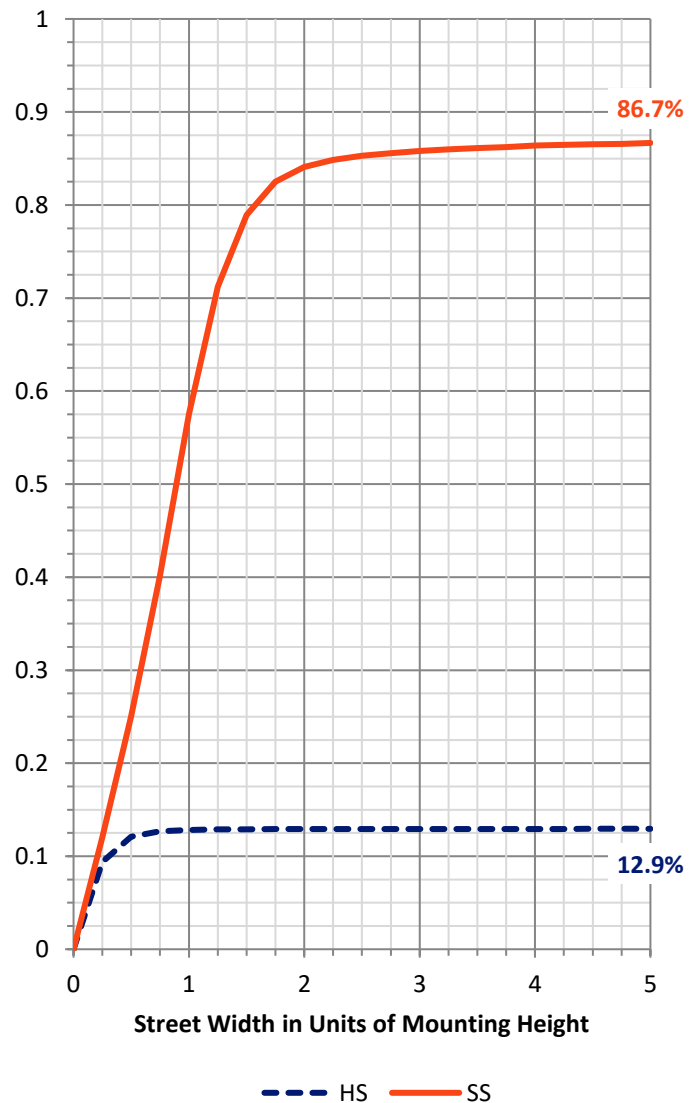
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	807.7	0.0	807.7
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	5348.3	0.0	5348.3
	% Fixture	86.9	0.0	86.9
Total	Lumens	6156.0	0.0	6156.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	64.0	1.0
20°-30°	217.1	3.5
30°-40°	610.8	9.9
40°-50°	1355.2	22.0
50°-60°	1817.2	29.5
60°-70°	1447.7	23.5
70°-80°	596.4	9.7
80°-90°	42.7	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°	6156.0	100.0
0°-180°	6156.0	100.0



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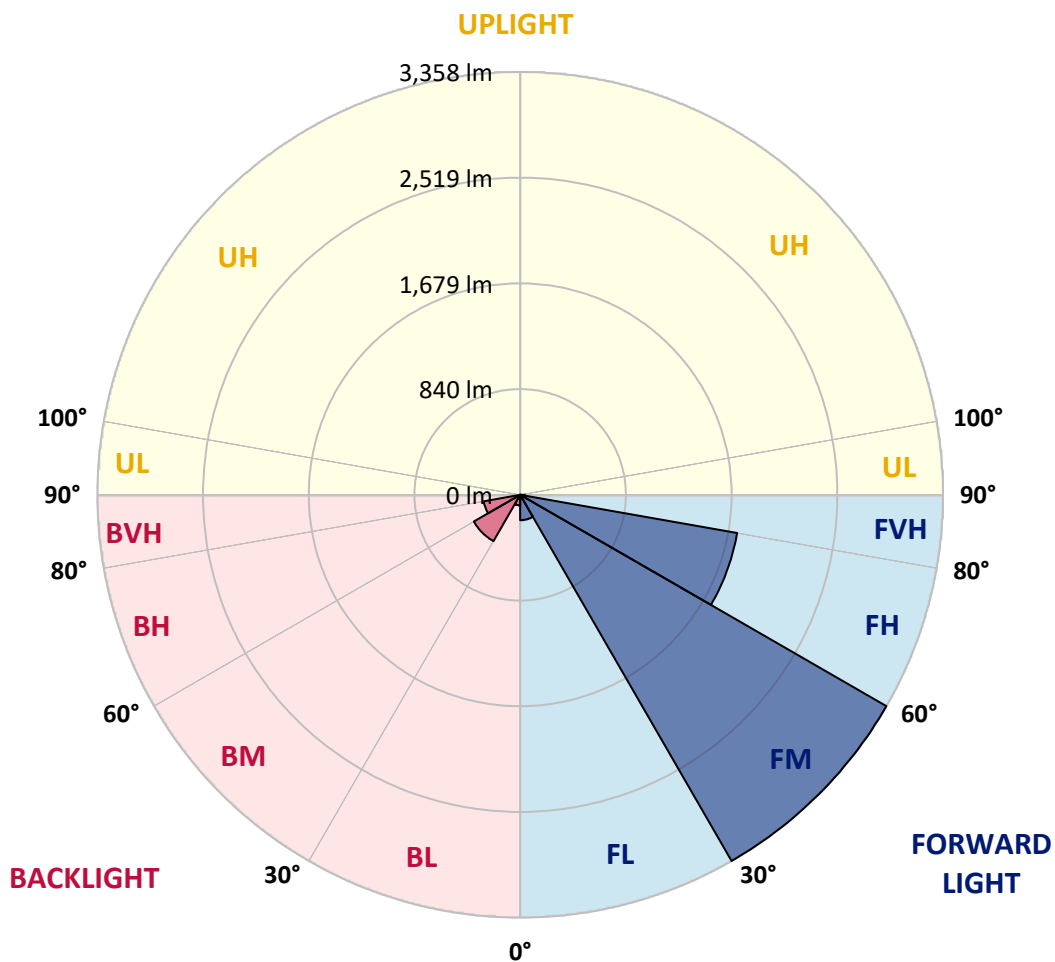
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	201.9	3.3			
FM	(30°-60°)	3358.5	54.6			
FH	(60°-80°)	1749.9	28.4			G1/1800
FVH	(80°-90°)	38.0	0.6			G1/100
BL	(0°-30°)	84.0	1.4	B0/110		
BM	(30°-60°)	424.8	6.9	B1/1000		
BH	(60°-80°)	294.2	4.8	B1/500		G1/500
BVH	(80°-90°)	4.7	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	0.9	0.9	0.9	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8
5°	26.4	24.6	18.2	10.0	5.5	3.6	2.7	1.8	1.8	1.8	1.8
7.5°	183.9	183.0	183.0	184.9	185.8	66.5	6.4	2.7	2.7	1.8	1.8
10°	176.7	175.7	175.7	178.5	181.2	182.1	174.8	4.6	3.6	1.8	1.8
12.5°	329.6	324.2	206.7	181.2	176.7	178.5	179.4	154.8	71.9	111.1	137.5
15°	330.5	327.8	330.5	335.1	267.7	186.7	272.3	265.9	265.9	195.8	268.6
17.5°	334.2	330.5	332.4	338.7	328.7	386.1	364.2	377.0	377.0	278.6	296.9
20°	493.5	492.6	499.9	366.1	408.9	479.0	397.0	487.2	496.3	414.3	428.9
22.5°	503.6	502.7	514.5	512.7	501.7	514.5	581.0	533.6	536.3	626.5	566.4
25°	701.2	684.8	555.5	545.4	659.3	611.0	696.6	642.9	637.4	757.6	718.5
27.5°	802.2	795.0	803.1	778.6	698.4	749.4	754.0	827.7	790.4	867.8	885.1
30°	975.3	979.8	938.8	897.9	915.2	869.6	907.0	1006.2	1001.7	983.4	1116.4
32.5°	1557.1	1509.8	1429.6	1112.8	1042.6	1009.9	1113.7	1225.7	1180.1	1247.5	1380.5
35°	2060.7	1955.1	1822.1	1596.3	1294.9	1207.5	1334.0	1444.2	1416.0	1551.7	1543.5
37.5°	2900.3	2851.1	2620.7	2044.3	1743.8	1506.1	1567.1	1593.6	1626.3	1781.1	1777.5
40°	3396.5	3340.1	3177.1	2720.9	2200.9	1868.6	1842.1	1855.8	1866.7	2022.4	2033.4
42.5°	3813.6	3788.1	3629.7	3192.6	2767.3	2455.9	2209.1	2155.4	2175.4	2333.0	2312.0
45°	4096.8	4066.7	3923.8	3618.7	3266.3	3106.1	2635.3	2530.6	2536.0	2623.4	2607.0
47.5°	4158.7	4123.2	4059.5	3890.1	3770.8	3640.6	3168.9	2893.0	2954.9	2959.5	2903.9
50°	3938.3	3894.6	3948.4	3908.3	4090.4	4156.0	3708.9	3315.5	3422.0	3324.6	3170.7
52.5°	3392.9	3406.6	3572.3	3693.4	4102.3	4516.6	4288.9	3799.9	3871.9	3626.0	3422.9
55°	2694.5	2728.2	3002.2	3224.4	3823.6	4617.7	4708.7	4248.9	4277.1	3946.5	3626.9
57.5°	1984.2	2029.7	2366.7	2614.3	3283.6	4400.0	4914.5	4630.4	4685.9	4177.8	3769.0
60°	1221.1	1263.0	1644.5	2021.5	2520.5	3774.4	4941.8	4916.3	4980.1	4340.8	3911.9
62.5°	744.0	779.5	946.1	1404.1	1811.2	2852.9	4714.2	5135.8	5167.7	4505.7	4014.8
65°	458.0	451.7	519.0	853.2	1208.4	1763.8	4138.7	5235.0	5231.4	4604.9	4084.0
67.5°	303.2	308.7	334.2	469.0	823.2	953.4	2967.6	5040.2	5022.0	4653.2	4056.7
70°	268.6	270.4	295.9	332.4	592.8	555.5	1497.9	4339.0	4313.5	4523.0	3886.4
72.5°	210.3	216.7	258.6	301.4	428.0	407.0	564.6	3073.3	3106.1	3844.6	3420.2
75°	149.3	153.9	195.8	263.2	319.6	311.4	318.7	1584.4	1681.0	2552.4	2506.0
77.5°	93.8	97.4	126.6	194.9	271.4	229.5	223.1	621.9	696.6	1248.4	1253.9
80°	64.7	65.6	78.3	131.1	194.9	188.5	151.2	248.6	251.3	452.6	434.4
82.5°	38.2	38.2	51.9	81.0	119.3	153.9	97.4	124.8	129.3	167.6	95.6
85°	13.7	14.6	28.2	46.4	66.5	81.0	58.3	68.3	71.0	86.5	45.5
87.5°	0.9	1.8	9.1	14.6	18.2	16.4	19.1	20.9	23.7	28.2	16.4
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.8	1.8	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9
5°	1.8	1.8	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9
7.5°	1.8	1.8	2.7	2.7	2.7	1.8	25.5	142.1	148.4	153.0	153.9
10°	5.5	3.6	2.7	2.7	2.7	147.5	153.0	149.3	146.6	143.9	144.8
12.5°	139.3	139.3	126.6	82.0	137.5	151.2	143.0	133.9	126.6	118.4	119.3
15°	267.7	265.9	234.9	202.2	231.3	148.4	122.9	163.0	139.3	122.9	120.2
17.5°	297.8	288.7	252.2	322.4	286.8	169.4	142.1	96.5	69.2	62.8	61.9
20°	428.9	417.1	367.9	390.6	262.3	195.8	85.6	54.6	49.2	59.2	61.0
22.5°	551.8	535.4	459.9	404.3	295.0	120.2	60.1	60.1	59.2	57.4	56.5
25°	709.4	680.2	616.5	423.4	234.0	79.2	65.6	53.7	48.3	44.6	44.6
27.5°	871.4	832.3	706.6	450.7	153.9	73.8	58.3	45.5	48.3	46.4	46.4
30°	1108.2	1054.5	823.2	421.6	100.2	68.3	49.2	44.6	39.2	37.3	36.4
32.5°	1353.2	1254.8	937.9	367.0	79.2	58.3	45.5	36.4	35.5	36.4	36.4
35°	1509.8	1417.8	1061.8	266.8	69.2	51.0	37.3	33.7	31.0	30.0	30.0
37.5°	1697.4	1583.5	1072.7	173.0	60.1	41.9	31.9	28.2	28.2	29.1	29.1
40°	1922.3	1797.5	1029.0	106.5	51.9	34.6	27.3	25.5	24.6	24.6	24.6
42.5°	2174.5	2017.0	968.0	80.1	43.7	29.1	22.8	21.9	20.9	20.9	20.9
45°	2444.1	2238.3	884.2	66.5	36.4	24.6	19.1	18.2	18.2	17.3	17.3
47.5°	2723.6	2475.0	757.6	58.3	30.0	20.0	16.4	15.5	14.6	14.6	14.6
50°	2963.1	2691.7	602.8	50.1	25.5	17.3	12.7	11.8	11.8	10.9	10.9
52.5°	3180.7	2875.7	478.1	42.8	20.9	13.7	10.0	9.1	9.1	8.2	8.2
55°	3348.3	3012.3	357.0	35.5	17.3	10.9	7.3	6.4	6.4	5.5	6.4
57.5°	3489.4	3096.0	270.4	29.1	14.6	8.2	5.5	4.6	3.6	3.6	3.6
60°	3623.3	3163.4	199.4	22.8	11.8	6.4	3.6	2.7	1.8	1.8	1.8
62.5°	3767.2	3223.5	157.5	18.2	10.0	4.6	1.8	1.8	0.0	0.0	0.0
65°	3875.5	3260.9	122.0	14.6	8.2	2.7	1.8	0.9	0.0	0.0	0.0
67.5°	3879.2	3213.5	95.6	11.8	7.3	2.7	0.9	0.0	0.0	0.0	0.0
70°	3739.8	3012.3	71.0	10.9	6.4	2.7	1.8	0.9	0.0	0.0	0.0
72.5°	3240.8	2364.8	51.0	9.1	5.5	2.7	1.8	0.9	0.9	0.0	0.0
75°	2343.9	1397.8	35.5	8.2	5.5	2.7	2.7	1.8	1.8	1.8	0.0
77.5°	1202.0	581.0	23.7	7.3	4.6	1.8	3.6	2.7	2.7	2.7	0.9
80°	352.4	200.3	14.6	6.4	4.6	1.8	3.6	3.6	3.6	3.6	0.9
82.5°	67.4	39.2	9.1	6.4	4.6	1.8	3.6	3.6	3.6	4.6	0.0
85°	26.4	15.5	6.4	5.5	4.6	1.8	3.6	3.6	4.6	4.6	0.0
87.5°	9.1	7.3	5.5	4.6	4.6	1.8	3.6	3.6	3.6	4.6	0.9
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)