

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: P414290

Luminaire Tested: **LXF.LXT-PA1-20-740-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-740-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2779 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

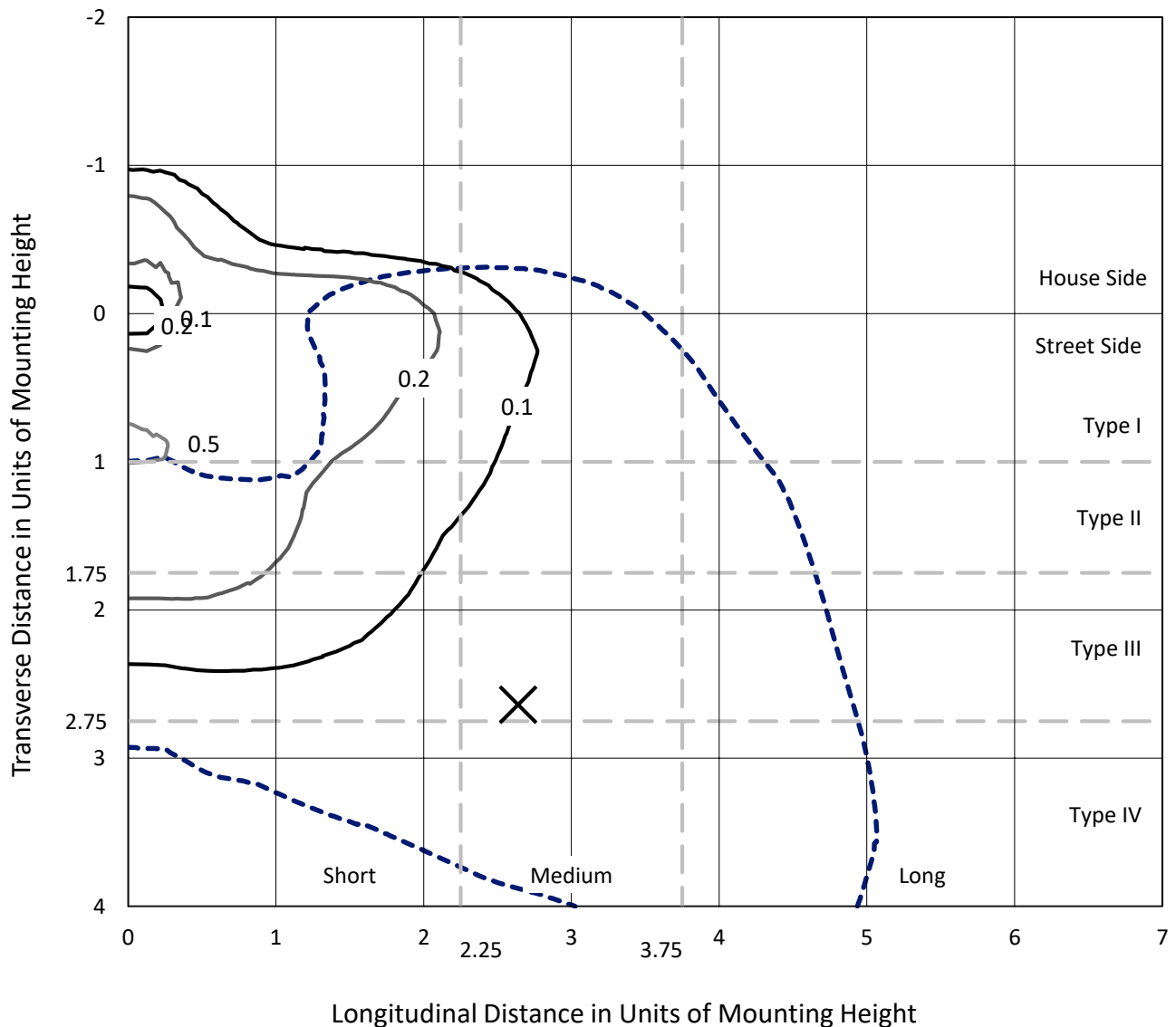
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

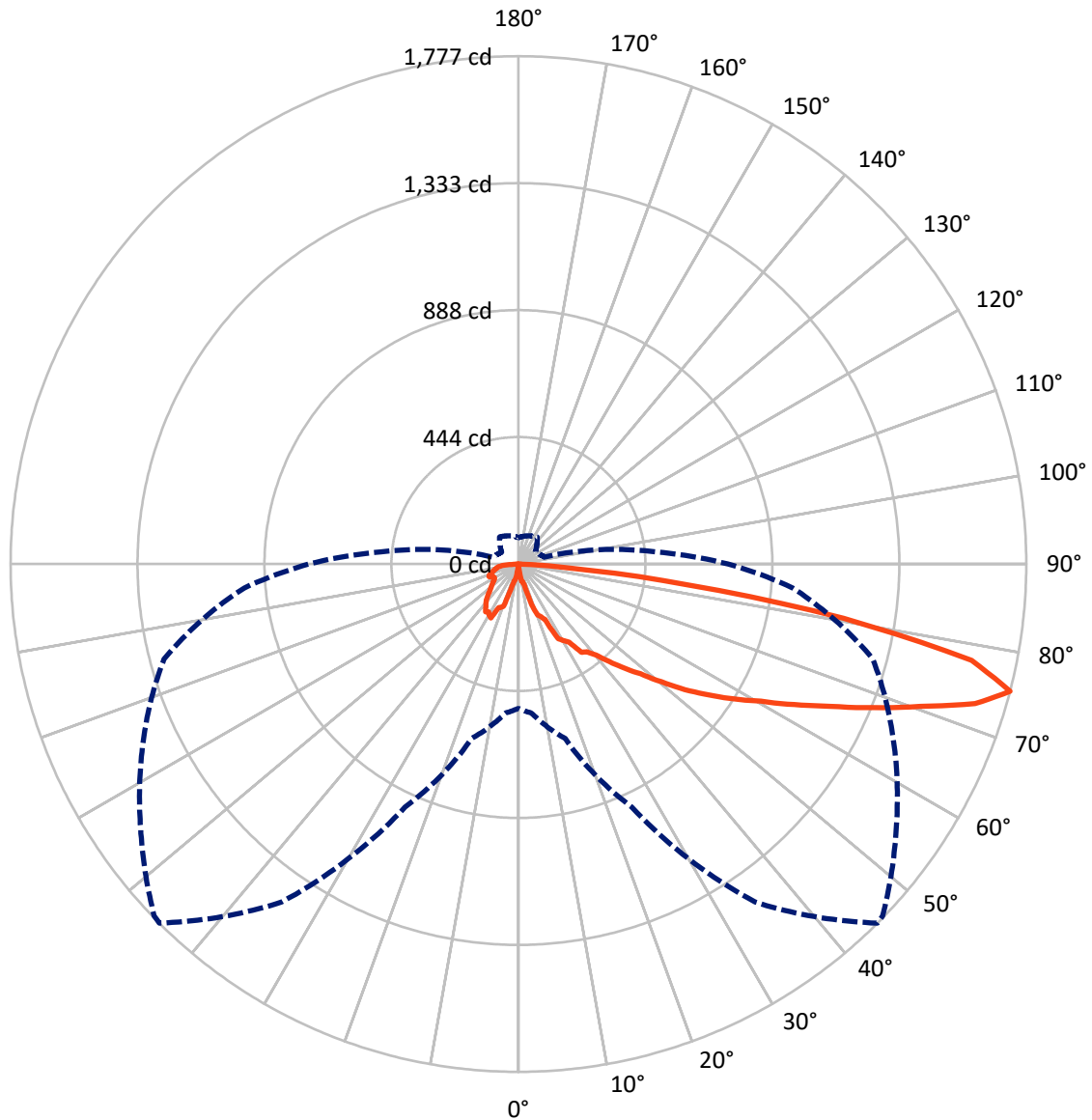
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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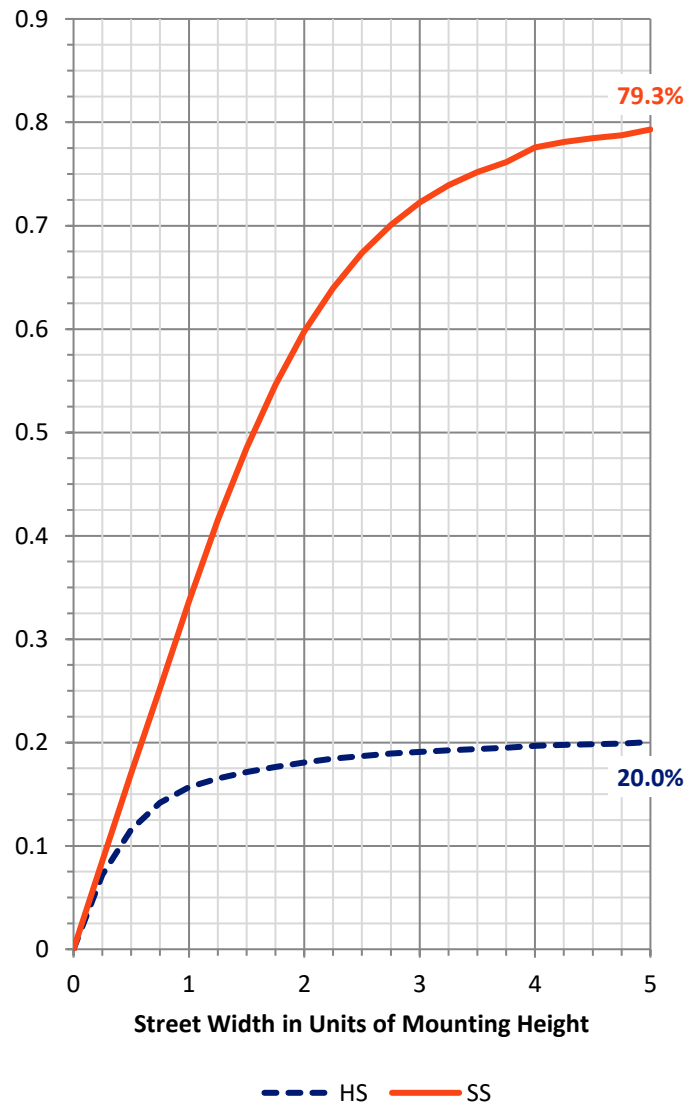
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	570.0	0.0	570.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2209.0	0.0	2209.0
	% Fixture	79.5	0.0	79.5
Total	Lumens	2779.0	0.0	2779.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	28.7	1.0
20°-30°	106.8	3.8
30°-40°	220.0	7.9
40°-50°	348.8	12.6
50°-60°	551.5	19.8
60°-70°	774.7	27.9
70°-80°	645.0	23.2
80°-90°	101.7	3.7
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°	2779.0	100.0
0°-180°	2779.0	100.0



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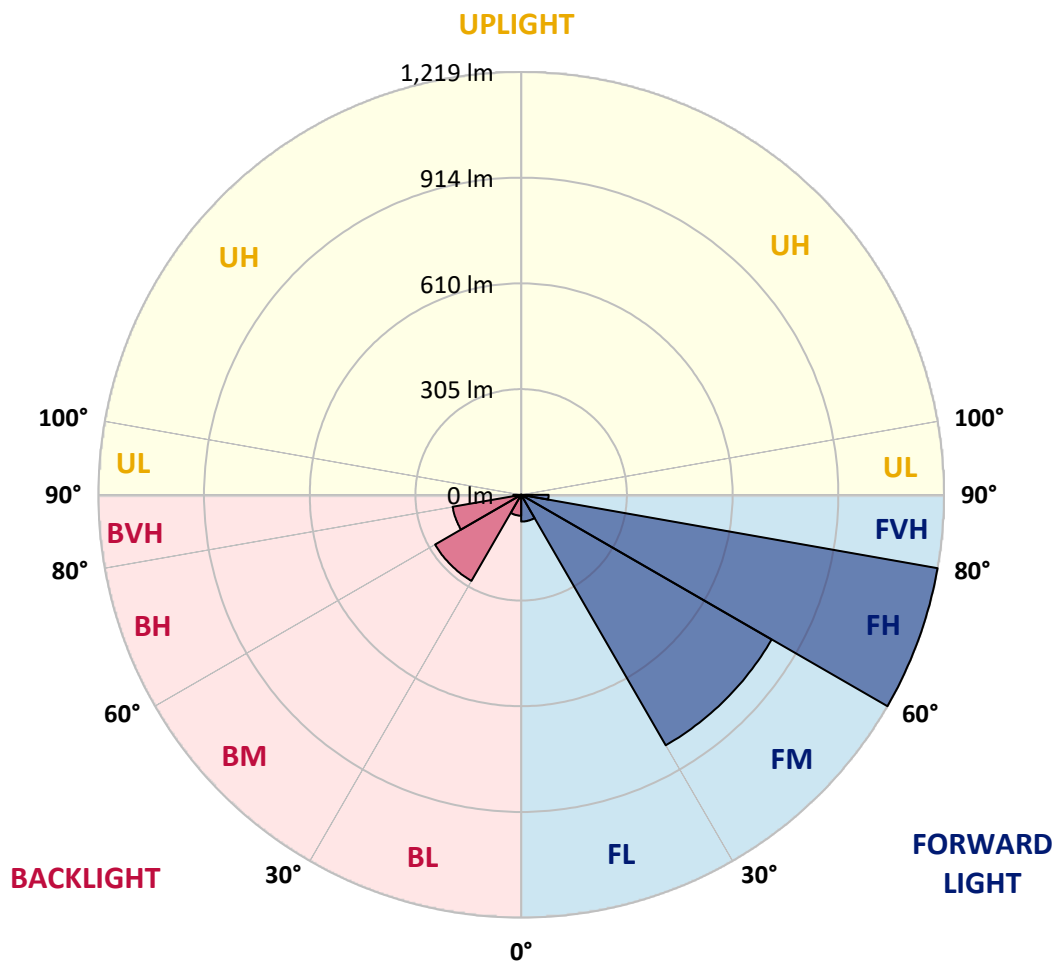
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	77.2	2.8			
FM	(30°-60°)	833.8	30.0			
FH	(60°-80°)	1219.1	43.9			G1/1800
FVH	(80°-90°)	79.0	2.8			G1/100
BL	(0°-30°)	60.1	2.2	B0/110		
BM	(30°-60°)	286.5	10.3	B1/1000		
BH	(60°-80°)	200.6	7.2	B1/500		G1/500
BVH	(80°-90°)	22.7	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.5	1.5	1.5	1.5	1.5	1.2	1.2	0.9	1.2	1.2	1.2
5°	21.4	20.2	16.0	14.2	11.8	4.8	3.9	1.8	1.5	1.5	1.2
7.5°	63.6	63.0	62.1	60.0	57.3	35.9	31.0	11.2	2.1	1.5	1.2
10°	70.2	69.0	67.5	65.4	63.0	60.0	59.7	54.9	9.9	3.3	2.7
12.5°	138.0	135.6	113.3	82.0	67.8	64.2	64.2	62.1	44.9	15.7	36.8
15°	148.3	147.1	142.9	137.4	129.3	74.4	72.9	97.0	119.7	83.8	88.9
17.5°	166.7	164.0	151.0	144.4	138.3	150.1	149.2	138.9	131.1	92.8	99.8
20°	232.4	230.9	225.4	161.5	148.9	189.9	190.5	157.6	142.6	164.3	163.1
22.5°	237.8	237.5	233.6	223.9	236.0	199.2	199.5	209.5	208.3	217.9	197.7
25°	311.0	310.1	251.7	230.9	257.7	214.6	224.2	259.8	232.1	236.3	246.8
27.5°	319.2	318.6	315.3	300.8	266.7	295.7	295.7	268.5	295.7	309.5	311.3
30°	362.9	351.4	328.2	321.3	310.7	310.4	311.3	311.0	342.1	324.0	342.1
32.5°	426.8	424.4	415.9	348.4	345.4	325.5	335.7	359.3	357.1	412.0	435.5
35°	519.0	486.1	456.3	402.1	358.7	379.2	380.7	372.5	415.9	433.4	466.6
37.5°	647.7	638.6	596.5	452.7	399.6	389.7	390.6	417.1	442.1	461.4	498.5
40°	741.4	736.6	707.4	554.3	438.2	418.3	420.4	437.6	460.8	495.2	533.8
42.5°	831.2	831.2	814.1	641.1	521.1	467.2	465.6	469.3	485.8	522.0	585.9
45°	889.7	886.4	900.9	722.7	582.9	519.6	513.9	513.0	519.0	561.8	655.8
47.5°	948.5	939.4	953.3	805.3	663.7	573.8	574.5	563.3	571.4	637.1	751.4
50°	1010.6	1012.4	1010.6	874.9	742.9	647.7	642.6	628.4	644.7	725.4	858.4
52.5°	1099.2	1092.8	1075.1	963.5	844.2	729.7	721.5	701.0	739.3	829.4	992.2
55°	1163.7	1157.6	1152.8	1058.5	922.0	808.9	804.1	781.5	853.2	934.3	1130.2
57.5°	1233.9	1226.7	1240.5	1188.1	1044.0	891.8	885.5	871.6	970.2	1054.0	1270.7
60°	1281.2	1281.5	1319.5	1281.5	1145.9	974.7	968.7	978.9	1077.2	1163.7	1422.3
62.5°	1281.2	1291.2	1374.6	1383.7	1255.0	1082.9	1072.4	1078.1	1193.5	1278.8	1546.7
65°	1159.8	1172.1	1366.8	1413.2	1364.4	1199.8	1194.7	1191.1	1303.5	1369.8	1644.4
67.5°	1035.9	1051.3	1248.1	1414.7	1453.9	1341.8	1323.1	1292.7	1398.5	1437.6	1696.8
70°	950.0	962.6	1119.1	1366.2	1511.8	1490.7	1478.3	1398.2	1462.0	1480.7	1637.8
72.5°	810.4	811.6	950.9	1263.7	1550.7	1670.6	1641.7	1515.1	1497.9	1452.7	1388.8
75°	505.1	523.5	632.0	937.9	1443.4	1776.7	1771.3	1613.3	1446.7	1283.6	962.9
77.5°	188.1	198.9	264.3	481.6	1032.9	1620.6	1625.4	1506.7	1223.6	930.1	517.2
80°	61.2	65.7	87.4	155.2	458.7	1153.4	1191.1	1068.7	750.5	472.6	217.9
82.5°	34.1	32.9	50.6	80.5	195.9	597.7	622.4	513.9	353.8	197.7	81.4
85°	15.7	16.3	24.1	43.7	104.6	166.7	179.9	175.7	134.1	81.4	29.8
87.5°	3.3	3.9	5.4	10.2	16.3	14.2	10.2	18.1	26.2	19.3	5.1
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.2	1.2	0.9	0.9	0.6	0.6	0.3	0.3	0.6	0.6	0.6
5°	1.2	1.2	0.9	0.9	0.9	0.9	1.2	2.1	2.4	2.7	2.4
7.5°	1.2	1.2	1.2	1.2	1.5	3.0	14.2	43.4	46.1	47.0	48.2
10°	2.7	2.4	2.4	2.7	9.3	45.5	54.9	57.9	59.4	60.3	60.0
12.5°	41.9	41.6	15.4	9.3	43.7	57.6	59.1	60.9	63.9	66.9	65.7
15°	88.6	88.3	81.4	84.4	85.0	62.7	63.9	104.6	111.5	116.0	117.5
17.5°	96.4	97.3	94.6	116.6	119.4	94.9	106.4	116.6	119.0	120.6	120.9
20°	179.0	160.9	137.7	130.5	127.2	156.7	118.7	120.0	154.9	166.1	167.3
22.5°	196.8	195.3	182.6	188.1	158.8	163.4	153.7	162.1	177.8	181.1	181.1
25°	254.1	251.4	208.6	195.9	201.6	167.9	194.1	176.6	182.3	188.4	189.0
27.5°	312.2	308.9	278.5	220.3	199.8	211.9	197.1	213.1	230.6	239.0	239.3
30°	339.4	334.8	290.5	248.3	208.0	207.4	207.1	235.7	234.2	239.6	241.1
32.5°	450.9	443.6	371.3	244.1	215.8	197.1	219.7	229.4	263.7	280.6	282.4
35°	478.0	469.0	373.1	270.0	203.7	203.1	203.7	235.4	254.1	266.1	268.8
37.5°	509.0	496.7	368.9	253.2	208.6	189.3	193.8	212.5	253.2	280.3	282.4
40°	547.6	528.6	367.7	236.3	194.4	179.0	178.1	203.1	221.2	237.8	239.3
42.5°	601.0	570.5	365.9	218.8	177.8	166.7	168.2	179.0	193.5	192.0	194.4
45°	671.8	622.7	362.9	203.4	160.9	151.3	150.4	158.2	164.9	155.2	152.5
47.5°	760.4	687.2	367.7	188.7	145.3	136.2	136.5	139.8	141.1	130.5	128.1
50°	861.1	760.1	372.8	172.4	132.6	125.7	124.2	125.4	123.6	113.3	112.4
52.5°	981.0	845.7	375.5	157.0	122.4	116.9	115.1	114.2	111.5	104.6	103.7
55°	1120.0	948.5	381.3	144.7	113.9	108.8	107.9	106.7	105.8	101.9	101.3
57.5°	1262.2	1061.8	377.9	132.0	105.8	101.3	103.1	105.2	107.6	106.1	105.8
60°	1392.7	1152.2	337.0	120.9	98.0	96.7	104.6	114.5	116.3	117.8	117.5
62.5°	1490.4	1197.7	267.3	111.2	92.5	97.0	116.0	129.9	128.1	124.2	123.3
65°	1524.7	1185.1	205.9	104.0	89.8	105.2	128.1	135.3	125.1	117.8	116.3
67.5°	1501.8	1122.7	159.4	98.0	88.3	112.1	132.3	130.2	118.4	113.0	110.9
70°	1384.6	992.8	126.6	92.8	86.8	107.9	130.2	124.2	113.0	108.2	104.9
72.5°	1132.9	785.1	108.5	87.1	80.5	99.2	123.6	116.0	108.2	101.9	98.9
75°	732.7	482.8	94.3	80.5	72.0	89.8	115.1	108.2	101.6	95.2	92.2
77.5°	352.6	219.4	82.6	72.3	64.2	82.9	108.2	100.1	93.4	87.1	83.5
80°	148.6	103.7	70.5	64.2	58.5	77.8	100.7	91.3	83.8	79.3	75.3
82.5°	72.3	57.3	53.6	52.1	50.9	70.8	92.5	81.1	73.2	69.0	60.3
85°	24.4	24.7	33.2	32.2	35.9	56.7	75.6	61.5	54.9	47.6	44.6
87.5°	2.4	3.3	4.5	5.7	11.8	15.7	25.9	21.1	16.6	6.3	4.2
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)