

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: P414238

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414238
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-PA1-20-730-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2531 lumens
Efficiency: N/A
Efficacy: 120.5 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

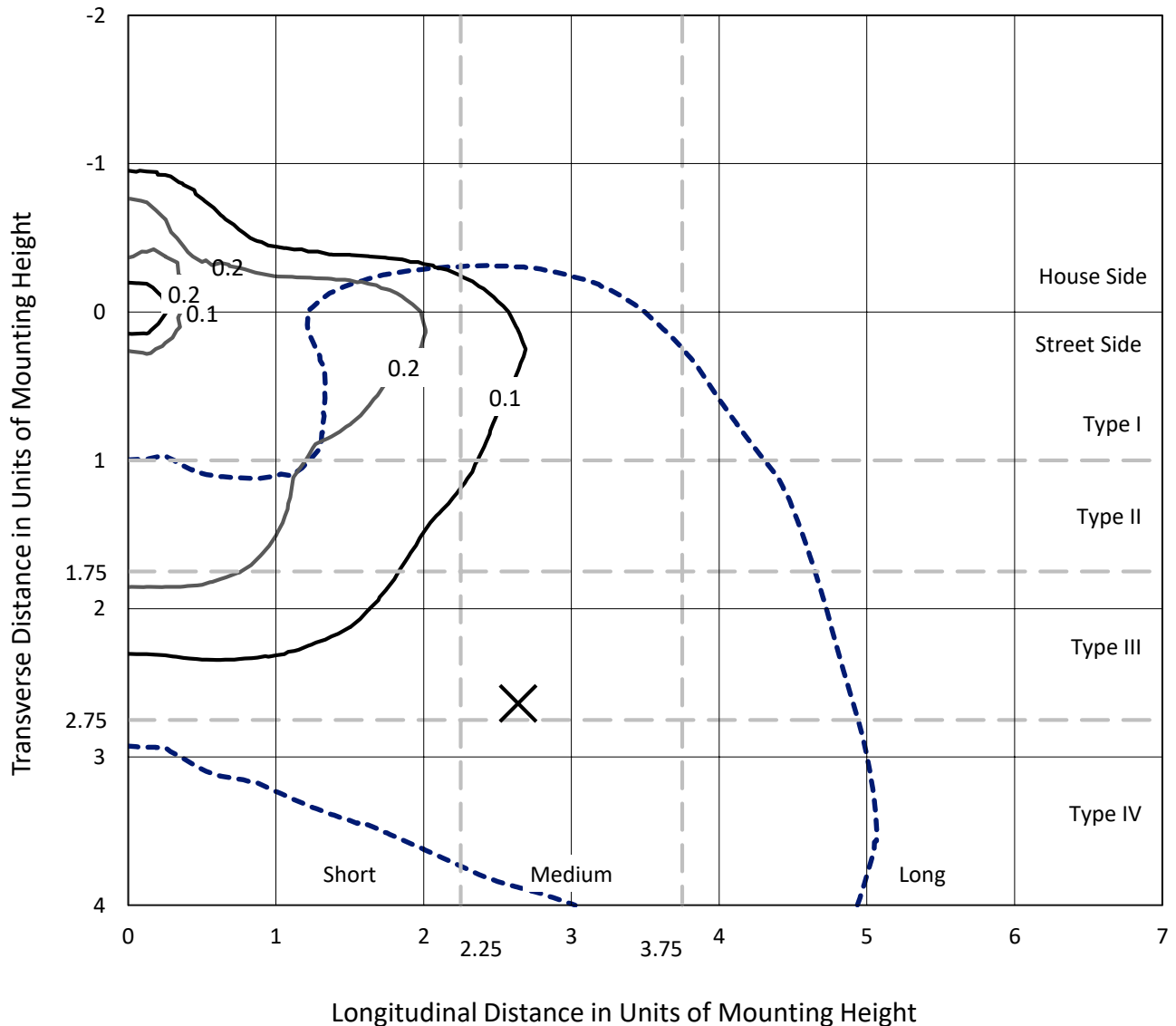
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

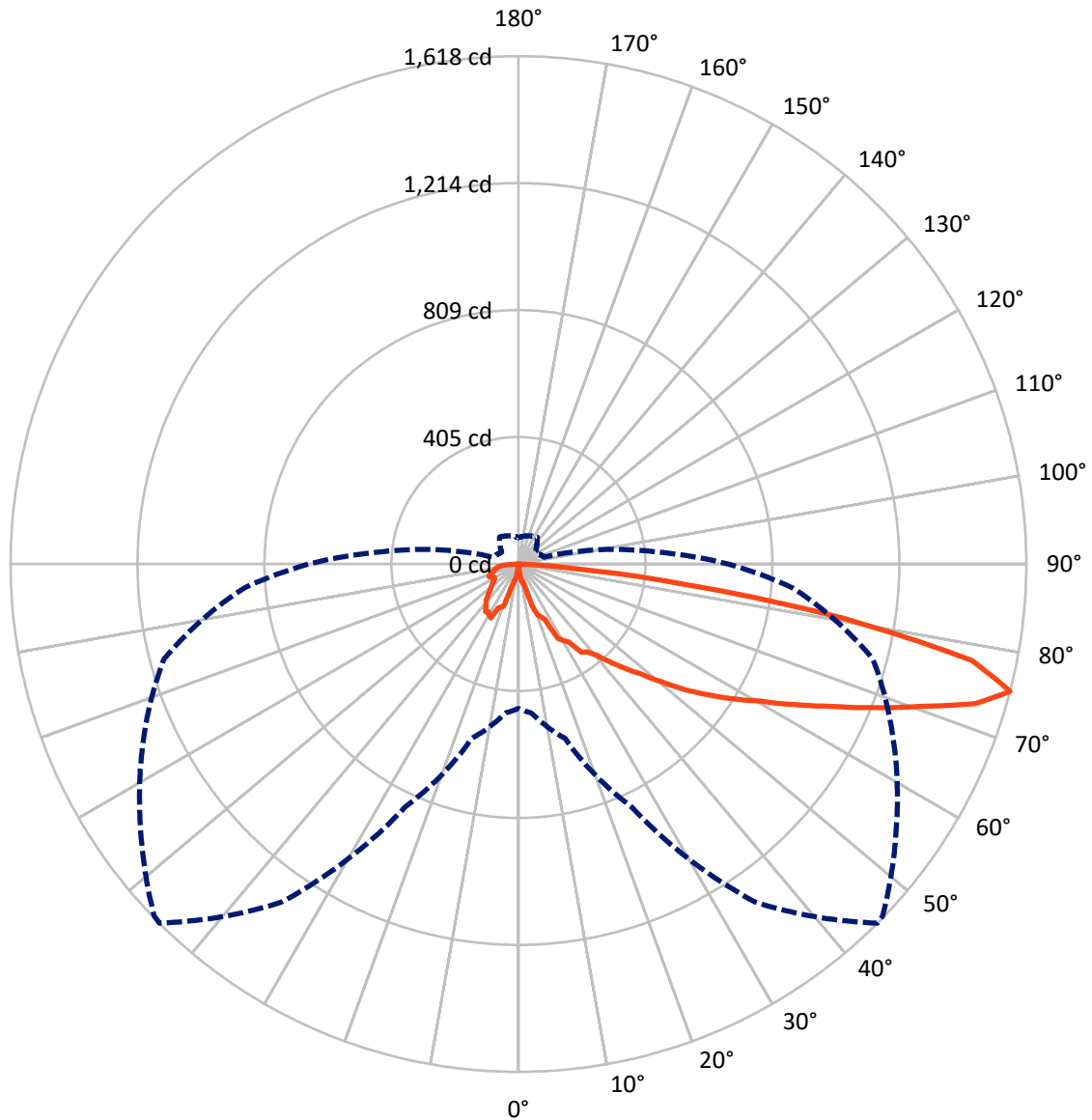
× Max cd
 - - - 1/2 Max cd



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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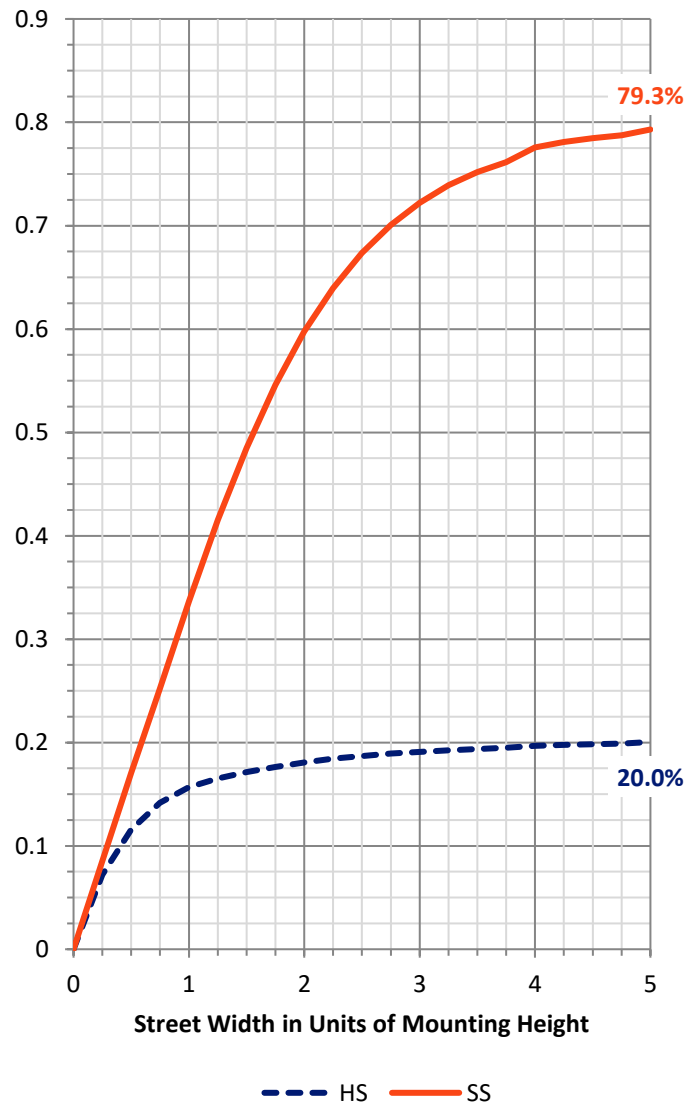
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	519.1	0.0	519.1
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2011.9	0.0	2011.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	2531.0	0.0	2531.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.1
10°-20°	26.1	1.0
20°-30°	97.3	3.8
30°-40°	200.4	7.9
40°-50°	317.7	12.6
50°-60°	502.2	19.8
60°-70°	705.6	27.9
70°-80°	587.4	23.2
80°-90°	92.6	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°	2531.0	100.0
0°-180°	2531.0	100.0



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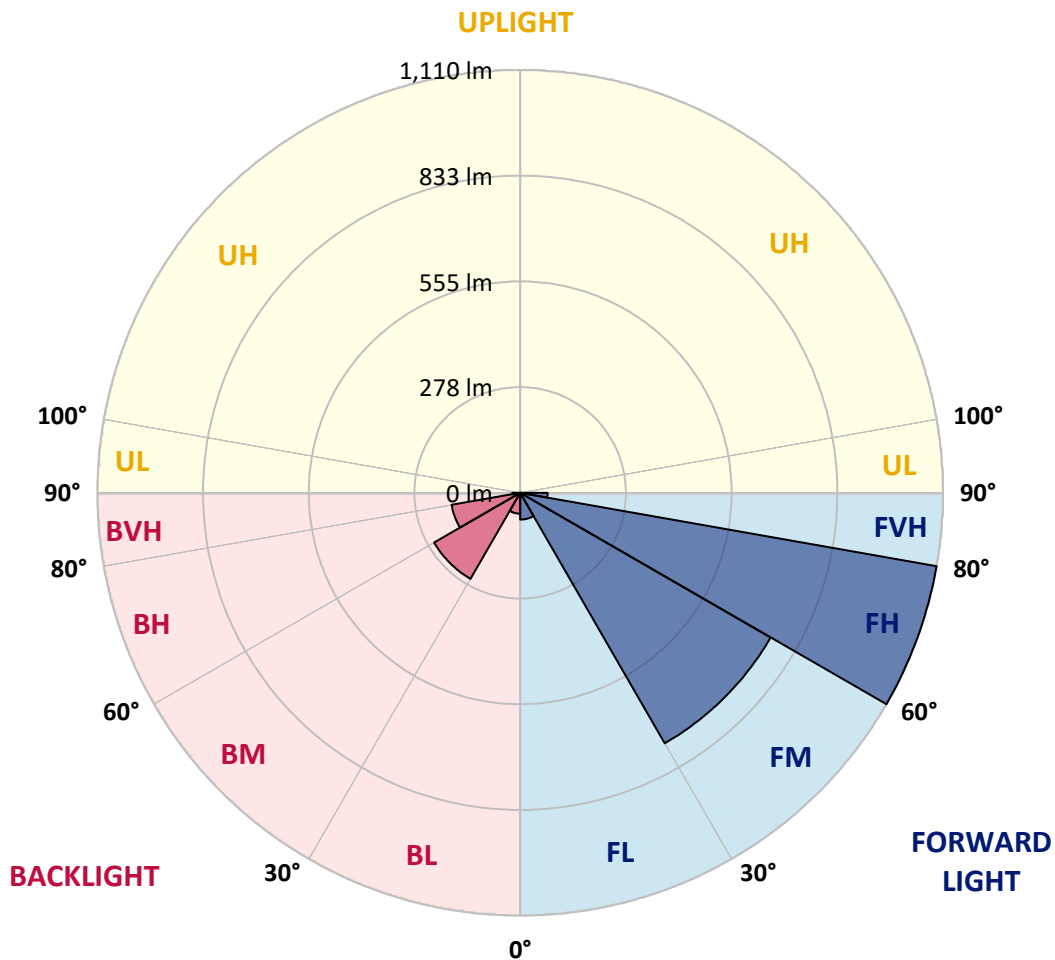
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	70.3	2.8			
FM	(30°-60°)	759.4	30.0			
FH	(60°-80°)	1110.3	43.9			G1/1800
FVH	(80°-90°)	71.9	2.8			G1/100
BL	(0°-30°)	54.8	2.2	B0/110		
BM	(30°-60°)	260.9	10.3	B1/1000		
BH	(60°-80°)	182.7	7.2	B1/500		G1/500
BVH	(80°-90°)	20.7	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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.4	1.4	1.4	1.4	1.4	1.1	1.1	0.8	1.1	1.1	1.1
5°	19.5	18.4	14.5	12.9	10.7	4.4	3.6	1.6	1.4	1.4	1.1
7.5°	57.9	57.4	56.5	54.6	52.2	32.7	28.3	10.2	1.9	1.4	1.1
10°	64.0	62.9	61.5	59.6	57.4	54.6	54.3	50.0	9.1	3.0	2.5
12.5°	125.7	123.5	103.2	74.7	61.8	58.5	58.5	56.5	40.9	14.3	33.5
15°	135.1	134.0	130.1	125.2	117.8	67.8	66.4	88.4	109.0	76.3	81.0
17.5°	151.8	149.3	137.5	131.5	126.0	136.7	135.9	126.5	119.4	84.5	90.9
20°	211.6	210.3	205.3	147.1	135.6	172.9	173.5	143.6	129.8	149.6	148.5
22.5°	216.6	216.3	212.7	203.9	214.9	181.4	181.7	190.8	189.7	198.5	180.1
25°	283.3	282.5	229.2	210.3	234.7	195.4	204.2	236.6	211.4	215.2	224.8
27.5°	290.7	290.1	287.1	273.9	242.9	269.3	269.3	244.6	269.3	281.9	283.6
30°	330.5	320.1	298.9	292.6	283.0	282.7	283.6	283.3	311.6	295.1	311.6
32.5°	388.7	386.5	378.8	317.3	314.6	296.5	305.8	327.2	325.3	375.2	396.6
35°	472.7	442.8	415.6	366.2	326.6	345.3	346.7	339.3	378.8	394.7	424.9
37.5°	589.9	581.7	543.2	412.3	364.0	354.9	355.7	379.9	402.7	420.3	454.0
40°	675.3	670.9	644.2	504.8	399.1	381.0	382.9	398.6	419.7	451.0	486.1
42.5°	757.1	757.1	741.4	583.9	474.6	425.5	424.1	427.4	442.5	475.4	533.6
45°	810.3	807.3	820.5	658.2	530.9	473.2	468.0	467.2	472.7	511.7	597.3
47.5°	863.8	855.6	868.2	733.5	604.4	522.6	523.2	513.0	520.4	580.3	684.3
50°	920.4	922.0	920.4	796.9	676.6	589.9	585.2	572.3	587.1	660.7	781.8
52.5°	1001.1	995.3	979.1	877.6	768.9	664.6	657.1	638.5	673.3	755.4	903.6
55°	1059.8	1054.3	1049.9	964.0	839.7	736.7	732.4	711.8	777.1	850.9	1029.4
57.5°	1123.8	1117.2	1129.8	1082.1	950.9	812.2	806.5	793.8	883.6	959.9	1157.3
60°	1166.9	1167.2	1201.7	1167.2	1043.6	887.7	882.2	891.6	981.0	1059.8	1295.3
62.5°	1166.9	1175.9	1252.0	1260.2	1143.0	986.3	976.7	981.9	1087.0	1164.7	1408.7
65°	1056.3	1067.5	1244.8	1287.1	1242.6	1092.8	1088.1	1084.8	1187.2	1247.6	1497.6
67.5°	943.4	957.4	1136.7	1288.5	1324.2	1222.1	1205.0	1177.3	1273.7	1309.3	1545.4
70°	865.2	876.7	1019.2	1244.3	1376.9	1357.7	1346.4	1273.4	1331.6	1348.6	1491.6
72.5°	738.1	739.2	866.0	1151.0	1412.3	1521.5	1495.2	1379.9	1364.2	1323.1	1264.9
75°	460.1	476.8	575.6	854.2	1314.6	1618.1	1613.2	1469.4	1317.6	1169.1	877.0
77.5°	171.3	181.2	240.7	438.6	940.7	1476.0	1480.4	1372.2	1114.4	847.1	471.0
80°	55.7	59.8	79.6	141.4	417.8	1050.5	1084.8	973.4	683.5	430.4	198.5
82.5°	31.0	29.9	46.1	73.3	178.4	544.3	566.8	468.0	322.3	180.1	74.1
85°	14.3	14.8	22.0	39.8	95.2	151.8	163.9	160.0	122.2	74.1	27.2
87.5°	3.0	3.6	4.9	9.3	14.8	12.9	9.3	16.5	23.9	17.6	4.7
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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.1	1.1	0.8	0.8	0.5	0.5	0.3	0.3	0.5	0.5	0.5
5°	1.1	1.1	0.8	0.8	0.8	0.8	1.1	1.9	2.2	2.5	2.2
7.5°	1.1	1.1	1.1	1.1	1.4	2.7	12.9	39.5	42.0	42.8	43.9
10°	2.5	2.2	2.2	2.5	8.5	41.4	50.0	52.7	54.1	54.9	54.6
12.5°	38.2	37.9	14.0	8.5	39.8	52.4	53.8	55.4	58.2	60.9	59.8
15°	80.7	80.4	74.1	76.9	77.4	57.1	58.2	95.2	101.6	105.7	107.1
17.5°	87.8	88.7	86.2	106.2	108.7	86.5	96.9	106.2	108.4	109.8	110.1
20°	163.0	146.6	125.4	118.9	115.8	142.7	108.2	109.2	141.1	151.2	152.3
22.5°	179.2	177.9	166.3	171.3	144.7	148.8	140.0	147.7	162.0	165.0	165.0
25°	231.4	228.9	190.0	178.4	183.6	152.9	176.8	160.9	166.1	171.6	172.1
27.5°	284.4	281.4	253.6	200.7	182.0	193.0	179.5	194.1	210.0	217.7	217.9
30°	309.1	305.0	264.6	226.2	189.4	188.9	188.6	214.7	213.3	218.2	219.6
32.5°	410.6	404.1	338.2	222.3	196.5	179.5	200.1	208.9	240.2	255.6	257.2
35°	435.3	427.1	339.8	245.9	185.6	185.0	185.6	214.4	231.4	242.4	244.8
37.5°	463.6	452.4	336.0	230.6	190.0	172.4	176.5	193.5	230.6	255.3	257.2
40°	498.8	481.5	334.9	215.2	177.0	163.0	162.2	185.0	201.5	216.6	217.9
42.5°	547.3	519.6	333.2	199.3	162.0	151.8	153.2	163.0	176.2	174.9	177.0
45°	611.8	567.1	330.5	185.3	146.6	137.8	137.0	144.1	150.1	141.4	138.9
47.5°	692.6	625.8	334.9	171.8	132.3	124.1	124.3	127.4	128.5	118.9	116.7
50°	784.2	692.3	339.6	157.0	120.8	114.5	113.1	114.2	112.5	103.2	102.4
52.5°	893.5	770.2	342.0	143.0	111.4	106.5	104.9	104.0	101.6	95.2	94.4
55°	1020.0	863.8	347.2	131.8	103.8	99.1	98.3	97.2	96.3	92.8	92.2
57.5°	1149.6	967.0	344.2	120.2	96.3	92.2	93.9	95.8	98.0	96.6	96.3
60°	1268.4	1049.4	306.9	110.1	89.2	88.1	95.2	104.3	106.0	107.3	107.1
62.5°	1357.4	1090.8	243.5	101.3	84.3	88.4	105.7	118.3	116.7	113.1	112.3
65°	1388.7	1079.3	187.5	94.7	81.8	95.8	116.7	123.2	113.9	107.3	106.0
67.5°	1367.8	1022.5	145.2	89.2	80.4	102.1	120.5	118.6	107.9	102.9	101.0
70°	1261.0	904.2	115.3	84.5	79.1	98.3	118.6	113.1	102.9	98.5	95.5
72.5°	1031.8	715.1	98.8	79.3	73.3	90.3	112.5	105.7	98.5	92.8	90.0
75°	667.3	439.7	85.9	73.3	65.6	81.8	104.9	98.5	92.5	86.7	84.0
77.5°	321.2	199.8	75.2	65.9	58.5	75.5	98.5	91.1	85.1	79.3	76.0
80°	135.3	94.4	64.2	58.5	53.3	70.8	91.7	83.2	76.3	72.2	68.6
82.5°	65.9	52.2	48.9	47.5	46.4	64.5	84.3	73.8	66.7	62.9	54.9
85°	22.2	22.5	30.2	29.4	32.7	51.6	68.9	56.0	50.0	43.4	40.6
87.5°	2.2	3.0	4.1	5.2	10.7	14.3	23.6	19.2	15.1	5.8	3.8
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)