

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: P414183

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-727-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1740 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

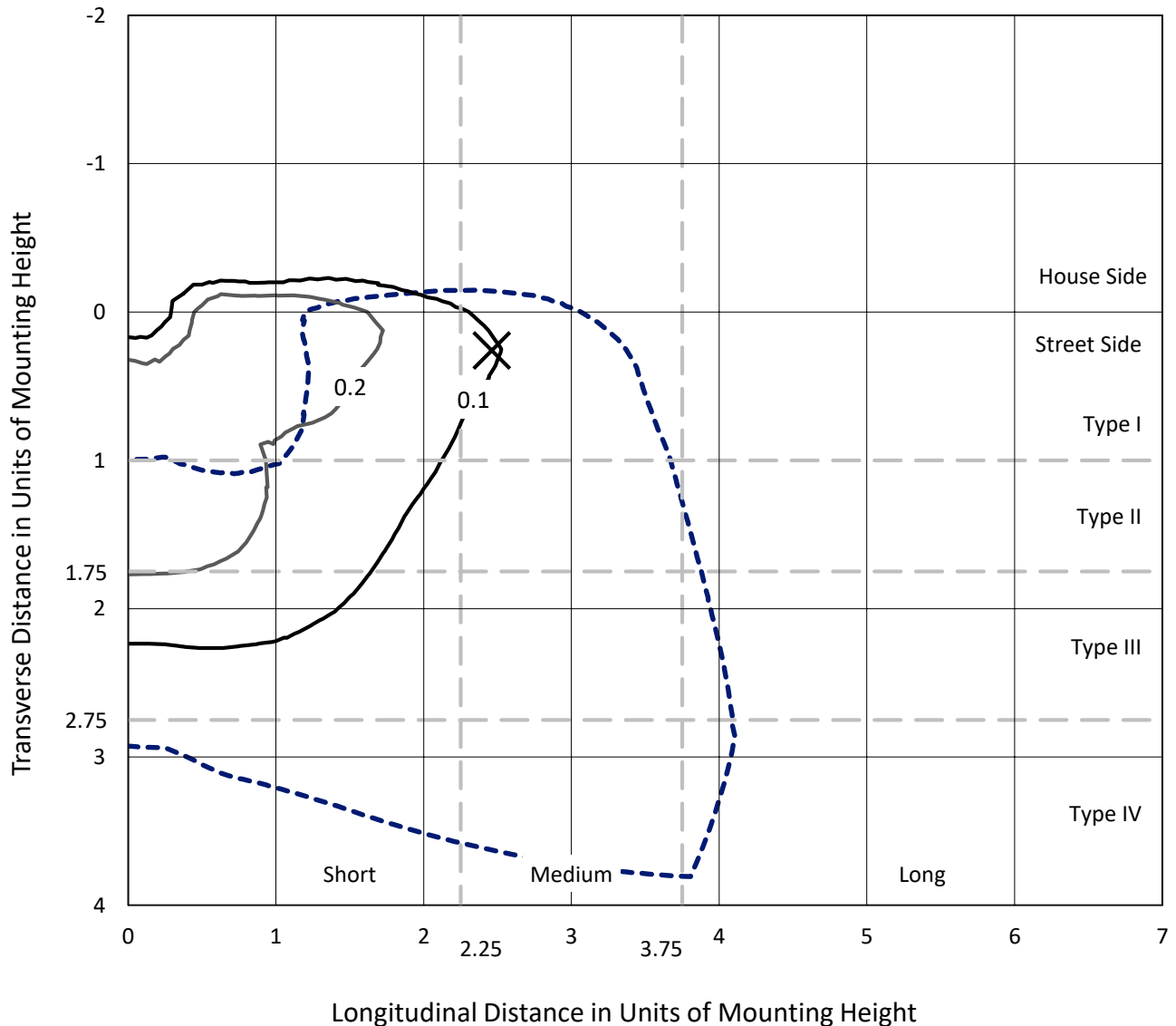
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

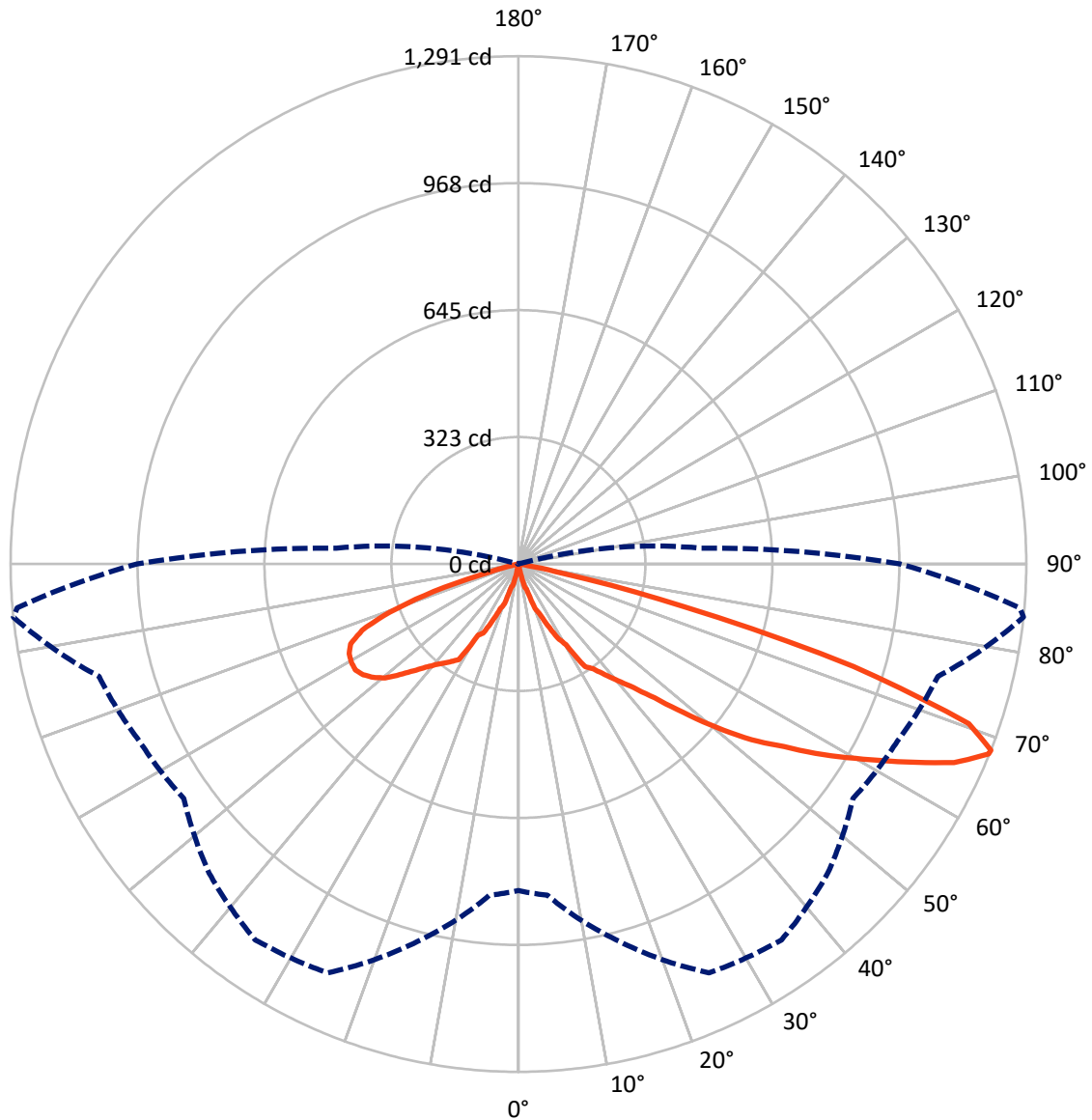
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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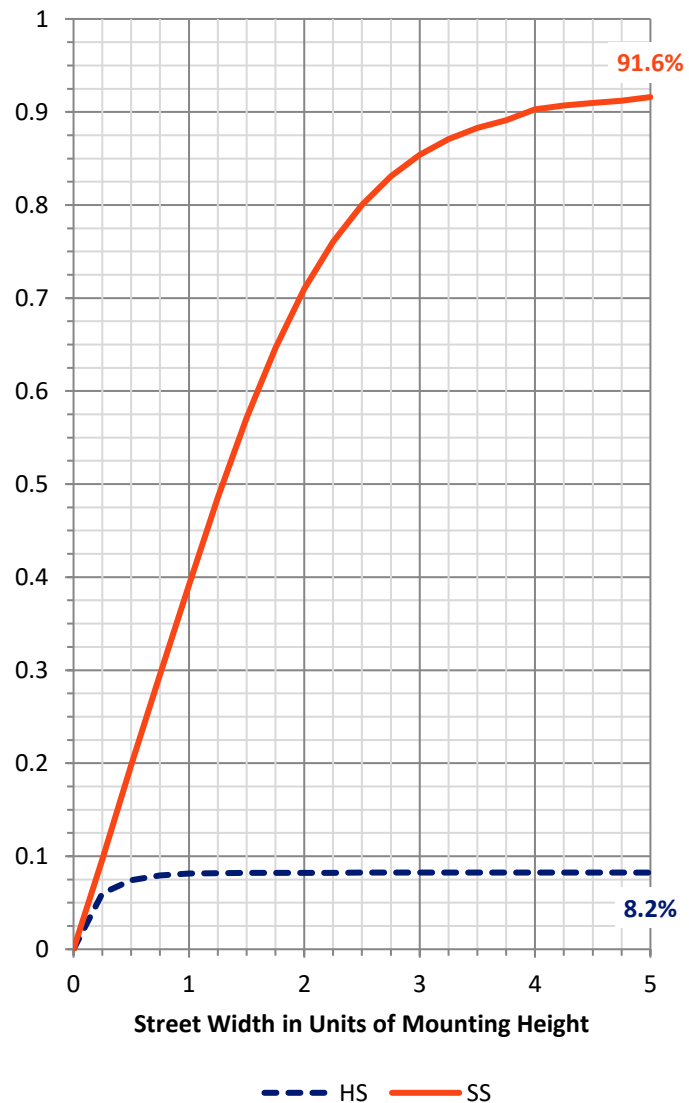
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	144.6	0.0	144.6
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	1595.4	0.0	1595.4
	% Fixture	91.7	0.0	91.7
Total	Lumens	1740.0	0.0	1740.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.1
10°-20°	15.7	0.9
20°-30°	56.4	3.2
30°-40°	120.5	6.9
40°-50°	215.3	12.4
50°-60°	382.0	22.0
60°-70°	549.0	31.6
70°-80°	369.6	21.2
80°-90°	30.4	1.7
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°	1740.0	100.0
0°-180°	1740.0	100.0



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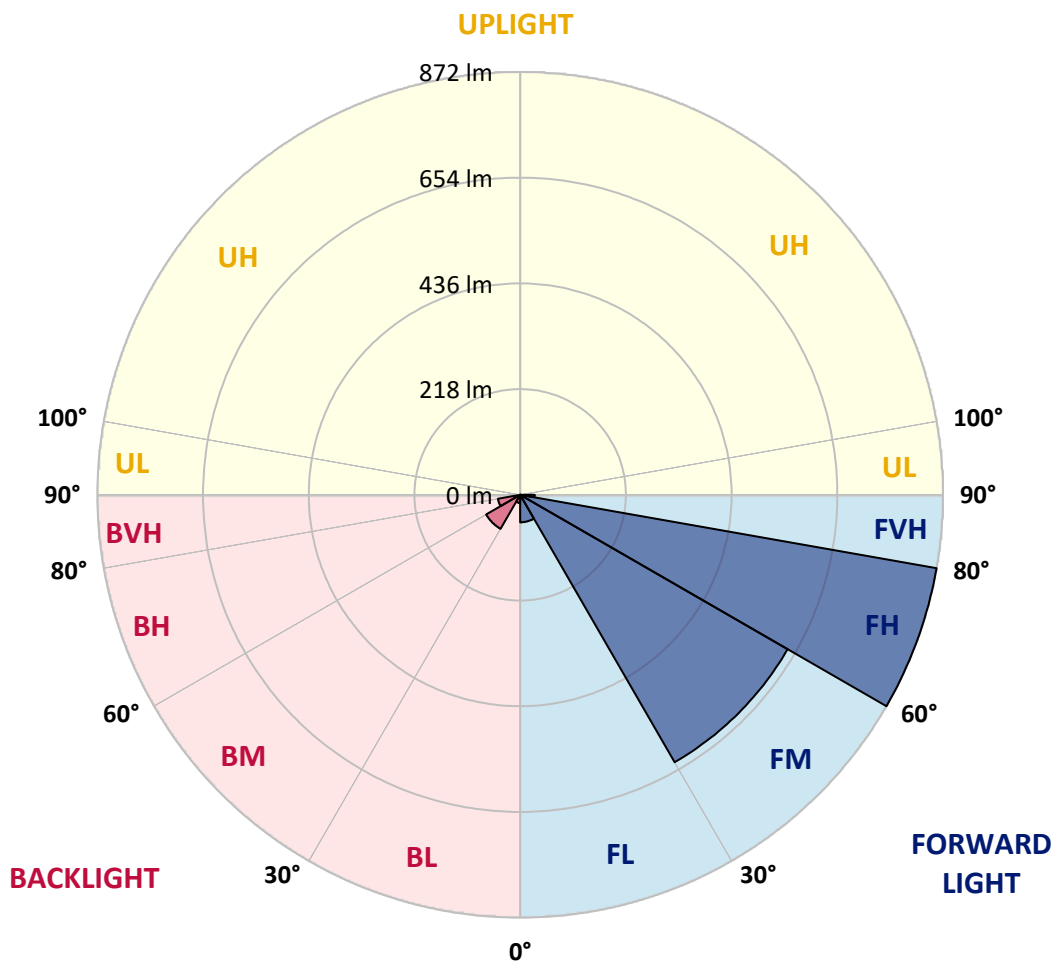
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.7	3.3			
FM	(30°-60°)	636.8	36.6			
FH	(60°-80°)	872.0	50.1			G1/1800
FVH	(80°-90°)	29.9	1.7			G1/100
BL	(0°-30°)	16.6	1.0	B0/110		
BM	(30°-60°)	81.0	4.7	B0/220		
BH	(60°-80°)	46.5	2.7	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	0.3	0.3	0.0	0.3	0.3	0.5	0.5	0.8	0.8	0.8	0.8
5°	13.4	11.3	11.1	9.8	7.1	1.8	0.5	0.8	0.8	0.8	0.8
7.5°	47.9	47.1	46.6	45.6	44.6	34.3	6.8	0.8	0.8	0.8	0.8
10°	51.4	50.4	49.6	48.4	46.9	45.1	43.1	5.5	0.8	0.8	0.8
12.5°	106.3	105.1	72.8	60.2	49.6	47.1	45.6	23.7	21.9	24.9	28.5
15°	111.9	110.9	108.1	104.6	94.0	53.2	71.6	89.0	58.0	61.7	61.7
17.5°	124.7	122.7	113.2	107.9	103.6	113.9	104.6	95.3	62.5	66.3	66.3
20°	174.6	174.1	171.4	119.7	108.9	144.1	113.9	101.6	115.4	120.5	114.7
22.5°	176.2	175.7	173.6	166.8	171.1	148.2	163.6	153.5	157.5	137.6	136.6
25°	233.6	231.6	185.5	169.9	193.0	158.0	194.6	169.4	166.3	171.9	171.9
27.5°	237.9	237.4	235.9	226.1	198.1	223.8	200.3	219.2	223.5	212.4	218.2
30°	270.9	254.3	245.5	239.7	233.4	234.9	233.9	252.3	232.9	237.4	234.9
32.5°	315.3	313.8	309.2	255.5	259.3	245.2	272.7	269.9	301.2	311.0	309.5
35°	377.0	352.8	323.3	295.6	269.1	291.3	281.7	314.0	321.8	326.4	335.7
37.5°	431.2	423.4	395.9	313.5	298.1	299.9	322.3	336.4	348.0	356.1	360.1
40°	480.8	475.0	456.6	366.4	313.8	325.6	344.0	351.8	374.7	389.6	389.9
42.5°	554.4	557.9	540.8	414.3	356.1	361.6	377.3	378.5	398.9	428.7	429.7
45°	646.4	641.6	637.3	483.9	396.4	392.9	414.6	411.5	443.0	484.9	489.9
47.5°	735.1	728.3	716.7	564.0	452.4	427.9	458.2	460.7	509.8	563.2	565.3
50°	803.7	801.1	789.5	657.2	526.7	476.3	506.5	536.3	588.4	652.7	657.0
52.5°	879.3	873.5	853.1	744.7	622.2	549.1	564.5	616.7	671.4	741.9	741.4
55°	929.7	930.4	911.0	833.9	708.9	631.5	637.6	717.7	747.0	819.0	824.3
57.5°	996.7	991.2	996.4	938.7	826.3	715.2	729.3	798.6	824.8	913.8	917.3
60°	1046.6	1048.6	1074.8	1035.5	917.3	800.4	812.5	864.6	902.4	1006.5	1017.6
62.5°	1048.4	1059.2	1129.8	1132.5	1015.8	892.6	884.8	932.2	965.4	1107.3	1120.7
65°	952.3	958.9	1117.9	1158.2	1107.3	983.1	953.6	989.1	1027.7	1216.4	1219.0
67.5°	856.1	858.1	1011.6	1150.7	1162.3	1091.7	1026.9	1051.4	1088.7	1288.3	1279.5
68°	829.9	845.0	993.2	1146.4	1165.8	1111.4	1038.0	1063.2	1103.5	1290.5	1278.2
70°	752.2	768.4	904.7	1098.5	1164.0	1185.5	1098.8	1102.3	1112.9	1214.4	1174.9
72.5°	505.8	516.6	716.0	935.0	1126.2	1271.6	1166.6	1079.1	998.5	890.3	855.3
75°	194.6	195.8	360.9	642.6	973.8	1228.5	1095.0	909.8	678.2	433.5	407.0
77.5°	72.6	71.3	104.6	297.9	618.2	954.6	817.5	557.7	282.5	113.7	111.1
80°	25.7	26.5	40.6	89.7	251.3	557.7	455.1	227.1	83.2	25.2	23.2
82.5°	10.1	10.8	20.7	42.6	107.9	234.1	194.3	96.5	48.6	9.6	9.1
85°	2.3	2.5	8.1	21.2	41.1	67.8	68.3	59.0	40.3	4.5	4.3
87.5°	0.3	0.5	2.3	2.8	3.3	1.8	5.8	6.0	11.1	1.8	1.8
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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	0.8	0.8	0.8	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0
5°	0.8	0.8	0.8	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0
7.5°	0.8	0.8	0.8	0.5	0.3	0.3	0.0	22.2	22.9	23.7	23.9
10°	0.8	0.8	0.8	0.5	0.5	23.2	27.2	26.2	24.4	23.7	23.9
12.5°	27.5	26.7	8.6	1.8	21.2	25.5	20.9	17.4	15.6	14.4	14.4
15°	60.0	57.7	48.1	36.8	34.5	19.7	13.4	11.3	16.6	20.2	20.2
17.5°	63.8	61.0	53.9	53.4	35.0	17.1	13.9	17.9	18.9	19.9	19.9
20°	123.5	110.6	76.1	51.2	25.7	20.9	17.4	17.1	17.9	19.2	19.4
22.5°	132.3	126.0	95.8	62.0	23.4	22.7	20.2	19.2	25.7	28.0	28.0
25°	168.1	162.0	103.1	49.4	28.5	23.2	25.5	23.9	24.4	26.5	26.5
27.5°	215.0	203.9	135.3	41.6	26.5	25.2	26.0	23.9	28.2	33.5	33.5
30°	238.1	216.0	129.5	36.8	27.0	27.5	24.9	29.2	29.2	31.2	31.5
32.5°	317.8	302.4	145.9	31.0	27.0	25.2	27.2	27.7	27.2	35.3	35.5
35°	338.2	319.8	125.0	32.3	25.7	24.4	24.4	27.5	29.2	31.0	31.2
37.5°	363.1	339.2	98.3	30.2	26.7	23.7	22.4	23.4	25.7	30.2	30.5
40°	394.9	360.4	75.6	28.5	24.9	21.7	20.4	21.4	21.4	22.7	22.9
42.5°	437.7	385.6	55.9	27.2	23.4	19.9	17.9	16.6	15.9	15.6	15.9
45°	496.5	417.8	41.8	26.0	22.4	17.6	14.9	12.1	10.1	10.1	10.3
47.5°	566.3	453.9	34.0	23.9	20.9	15.1	11.3	7.8	6.3	6.6	6.8
50°	640.6	491.9	29.7	22.2	19.2	12.3	7.6	4.8	4.0	4.3	4.5
52.5°	709.4	516.6	28.0	20.4	16.9	9.6	4.8	3.3	3.0	3.0	3.3
55°	778.5	535.3	26.5	18.6	13.6	6.3	2.8	2.5	2.5	2.3	2.3
57.5°	842.7	546.4	23.9	16.1	9.6	3.8	2.0	2.0	1.8	1.8	1.8
60°	901.7	545.1	19.2	12.1	6.0	2.3	1.5	1.5	1.3	1.3	1.3
62.5°	961.9	539.6	13.6	8.6	4.0	1.5	1.0	1.0	0.8	0.5	0.8
65°	998.2	523.9	9.1	6.0	2.5	1.0	0.8	0.5	0.3	0.0	0.3
67.5°	983.1	478.6	6.8	4.5	1.8	0.8	0.5	0.3	0.0	0.0	0.0
68°	969.2	464.2	6.3	4.3	1.5	0.8	0.5	0.3	0.0	0.0	0.0
70°	860.1	386.8	5.5	3.5	1.3	0.8	0.5	0.3	0.0	0.0	0.0
72.5°	573.8	251.3	4.5	2.8	1.0	0.5	0.5	0.3	0.0	0.0	0.0
75°	264.6	80.6	3.5	2.3	0.8	0.5	0.5	0.3	0.0	0.0	0.0
77.5°	70.6	17.1	2.3	1.5	0.8	0.5	0.5	0.3	0.3	0.3	0.0
80°	16.9	5.3	1.5	1.3	0.8	0.5	0.5	0.3	0.3	0.3	0.0
82.5°	6.3	2.8	1.0	1.0	0.8	0.5	0.5	0.3	0.5	0.5	0.0
85°	2.8	1.8	1.0	1.0	0.8	0.5	0.5	0.5	0.5	0.8	0.0
87.5°	1.3	1.3	1.0	1.0	1.0	0.5	0.8	0.8	0.8	0.8	0.0
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)