

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: P414235

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414235
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-PA1-20-730-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 1895 lumens
Efficiency: N/A
Efficacy: 90.2 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

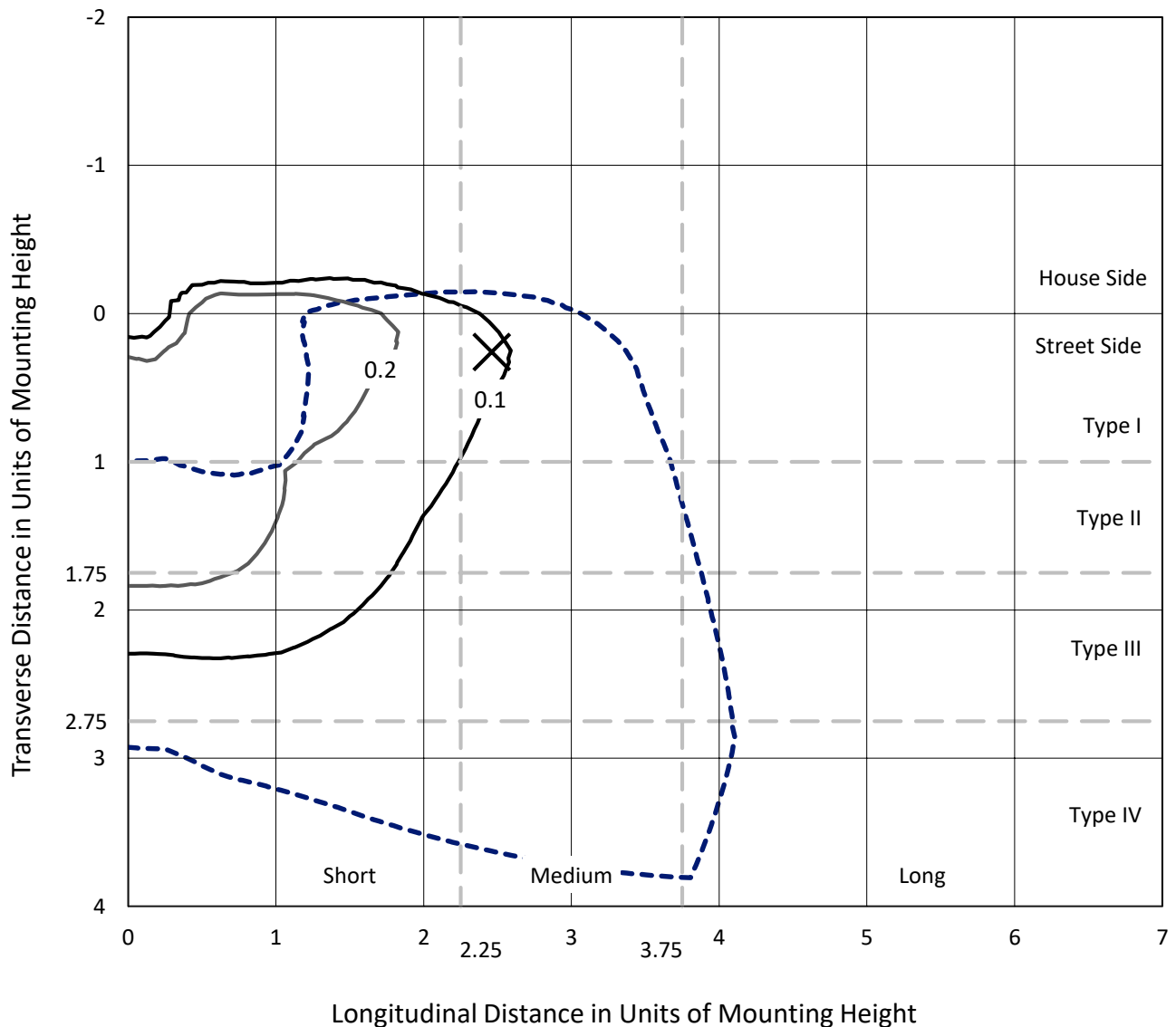
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

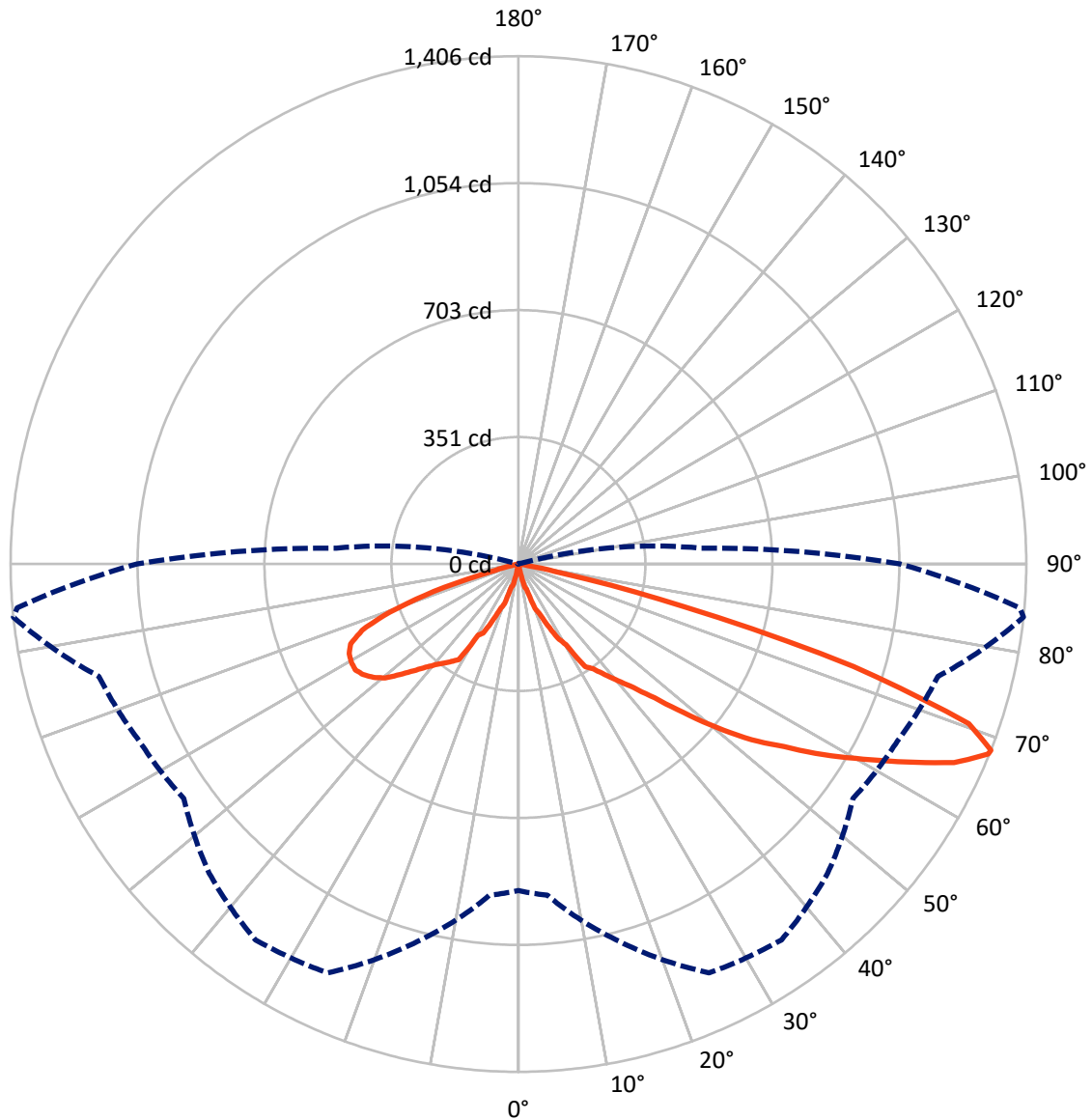
× Max cd
 - - - 1/2 Max cd



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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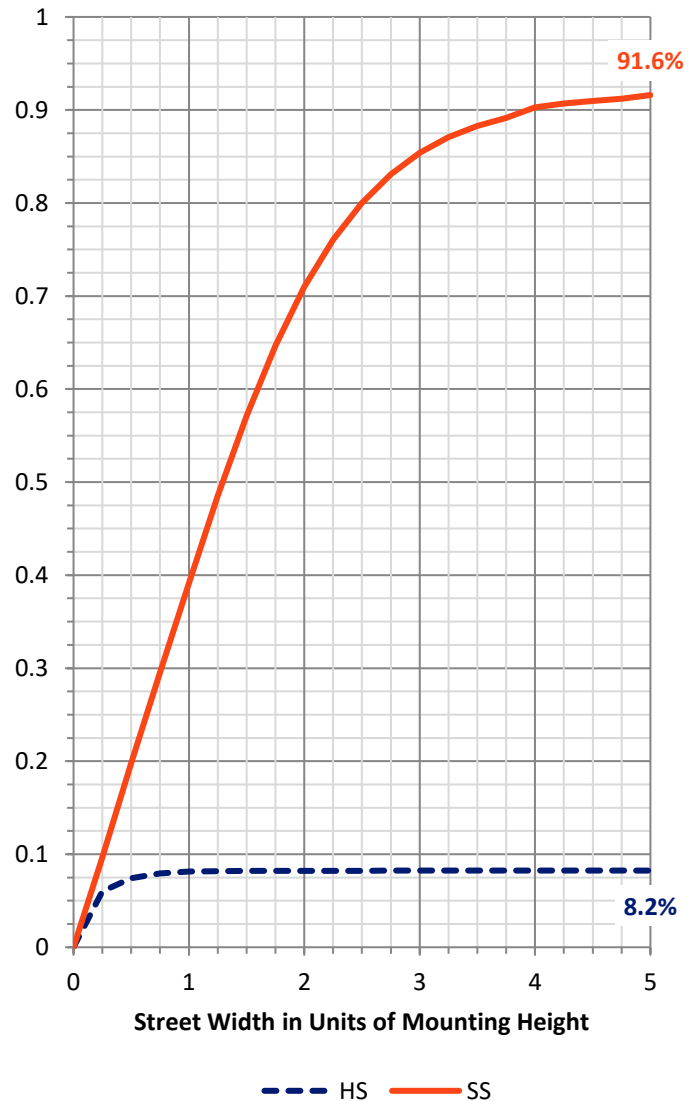
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	157.5	0.0	157.5
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	1737.5	0.0	1737.5
	% Fixture	91.7	0.0	91.7
Total	Lumens	1895.0	0.0	1895.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.1
10°-20°	17.1	0.9
20°-30°	61.4	3.2
30°-40°	131.2	6.9
40°-50°	234.5	12.4
50°-60°	416.0	22.0
60°-70°	597.9	31.6
70°-80°	402.5	21.2
80°-90°	33.1	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°	1895.0	100.0
0°-180°	1895.0	100.0



REPORT NUMBER: P414235

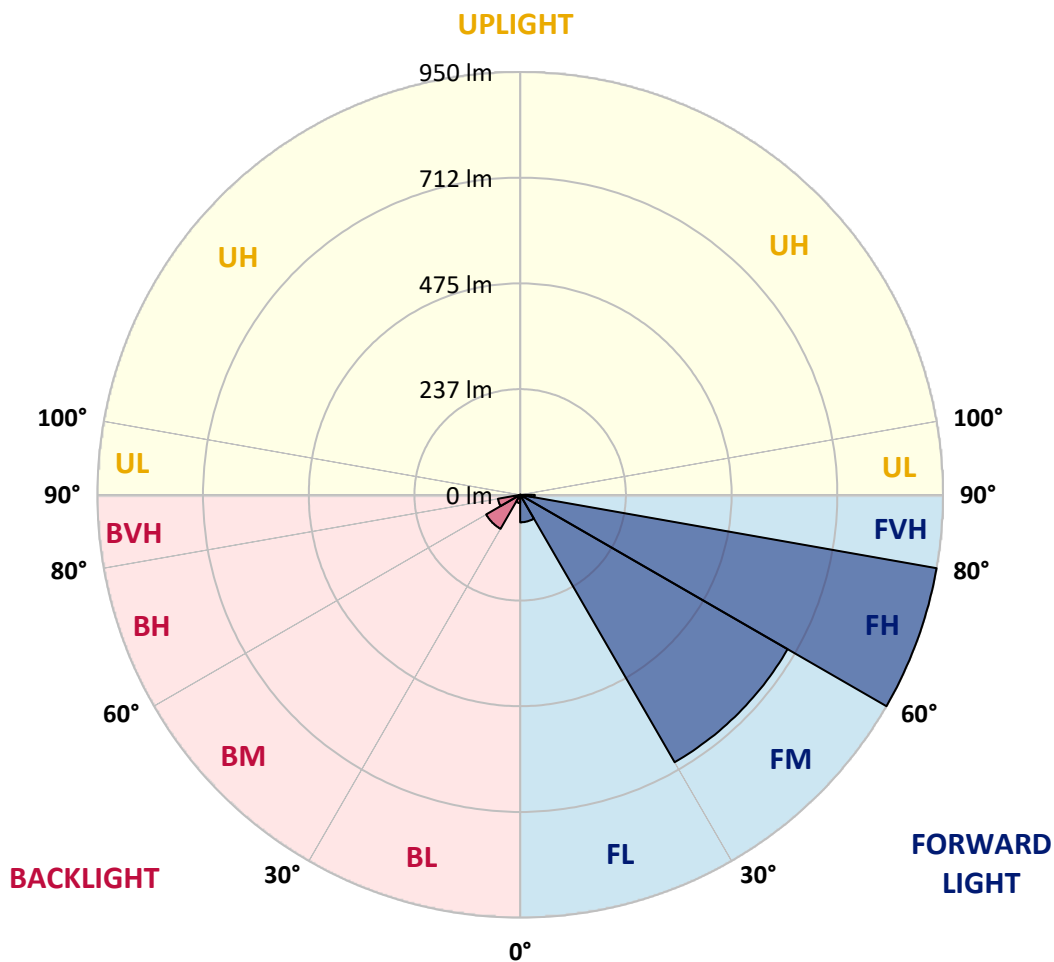
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	61.8	3.3			
FM	(30°-60°)	693.5	36.6			
FH	(60°-80°)	949.7	50.1			G1/1800
FVH	(80°-90°)	32.6	1.7			G1/100
BL	(0°-30°)	18.1	1.0	B0/110		
BM	(30°-60°)	88.2	4.7	B0/220		
BH	(60°-80°)	50.7	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





REPORT NUMBER: P414235

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T4W-HSS

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°	14.5	12.4	12.1	10.7	7.7	1.9	0.5	0.8	0.8	0.8	0.8
7.5°	52.1	51.3	50.8	49.7	48.6	37.3	7.4	0.8	0.8	0.8	0.8
10°	56.0	54.9	54.1	52.7	51.0	49.1	46.9	6.0	0.8	0.8	0.8
12.5°	115.8	114.4	79.3	65.6	54.1	51.3	49.7	25.8	23.9	27.2	31.0
15°	121.9	120.8	117.7	113.9	102.4	57.9	77.9	96.9	63.1	67.2	67.2
17.5°	135.9	133.7	123.2	117.5	112.8	124.1	113.9	103.7	68.1	72.2	72.2
20°	190.2	189.7	186.6	130.4	118.6	157.0	124.1	110.6	125.7	131.2	124.9
22.5°	191.8	191.3	189.1	181.7	186.4	161.4	178.1	167.1	171.5	149.9	148.8
25°	254.4	252.2	202.0	185.0	210.2	172.1	211.9	184.4	181.1	187.2	187.2
27.5°	259.1	258.5	256.9	246.2	215.7	243.7	218.2	238.8	243.4	231.4	237.7
30°	295.0	276.9	267.3	261.0	254.1	255.8	254.7	274.7	253.6	258.5	255.8
32.5°	343.3	341.7	336.8	278.3	282.4	267.0	297.0	293.9	328.0	338.7	337.0
35°	410.6	384.2	352.1	321.9	293.1	317.3	306.8	342.0	350.5	355.4	365.6
37.5°	469.6	461.1	431.2	341.4	324.7	326.6	351.0	366.4	379.0	387.8	392.2
40°	523.7	517.4	497.3	399.1	341.7	354.6	374.6	383.1	408.1	424.3	424.6
42.5°	603.8	607.7	589.0	451.2	387.8	393.8	410.9	412.2	434.5	466.9	468.0
45°	704.0	698.8	694.1	527.0	431.7	427.9	451.5	448.2	482.5	528.1	533.5
47.5°	800.6	793.2	780.6	614.2	492.7	466.0	499.0	501.7	555.2	613.4	615.6
50°	875.2	872.5	859.9	715.8	573.6	518.7	551.7	584.0	640.9	710.8	715.5
52.5°	957.6	951.3	929.0	811.0	677.6	598.0	614.8	671.6	731.2	808.0	807.5
55°	1012.5	1013.3	992.2	908.2	772.1	687.8	694.4	781.7	813.5	892.0	897.8
57.5°	1085.5	1079.4	1085.2	1022.4	899.9	778.9	794.3	869.8	898.3	995.2	999.0
60°	1139.8	1142.0	1170.6	1127.7	999.0	871.7	884.9	941.7	982.8	1096.2	1108.3
62.5°	1141.7	1153.5	1230.4	1233.4	1106.3	972.1	963.6	1015.2	1051.5	1206.0	1220.5
65°	1037.2	1044.3	1217.5	1261.4	1206.0	1070.7	1038.6	1077.2	1119.2	1324.8	1327.6
67.5°	932.3	934.5	1101.7	1253.2	1265.8	1189.0	1118.4	1145.0	1185.7	1403.0	1393.4
68°	903.8	920.3	1081.6	1248.5	1269.6	1210.4	1130.5	1157.9	1201.9	1405.5	1392.1
70°	819.3	836.8	985.3	1196.4	1267.7	1291.1	1196.6	1200.5	1212.0	1322.6	1279.5
72.5°	550.8	562.6	779.7	1018.2	1226.6	1384.9	1270.5	1175.2	1087.4	969.7	931.5
75°	211.9	213.3	393.0	699.9	1060.5	1338.0	1192.5	990.8	738.6	472.1	443.3
77.5°	79.0	77.7	113.9	324.4	673.2	1039.6	890.3	607.4	307.7	123.8	121.0
80°	28.0	28.8	44.2	97.7	273.6	607.4	495.7	247.3	90.6	27.4	25.3
82.5°	11.0	11.8	22.5	46.4	117.5	255.0	211.6	105.1	53.0	10.4	9.9
85°	2.5	2.7	8.8	23.1	44.7	73.8	74.4	64.2	43.9	4.9	4.7
87.5°	0.3	0.5	2.5	3.0	3.6	1.9	6.3	6.6	12.1	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P414235

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-T4W-HSS

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	24.2	25.0	25.8	26.1
10°	0.8	0.8	0.8	0.5	0.5	25.3	29.6	28.5	26.6	25.8	26.1
12.5°	29.9	29.1	9.3	1.9	23.1	27.7	22.8	18.9	17.0	15.6	15.6
15°	65.3	62.9	52.4	40.1	37.6	21.4	14.5	12.4	18.1	22.0	22.0
17.5°	69.4	66.4	58.7	58.2	38.1	18.7	15.1	19.5	20.6	21.7	21.7
20°	134.5	120.5	82.9	55.7	28.0	22.8	18.9	18.7	19.5	20.9	21.1
22.5°	144.1	137.2	104.3	67.5	25.5	24.7	22.0	20.9	28.0	30.5	30.5
25°	183.1	176.5	112.3	53.8	31.0	25.3	27.7	26.1	26.6	28.8	28.8
27.5°	234.1	222.0	147.4	45.3	28.8	27.4	28.3	26.1	30.7	36.5	36.5
30°	259.4	235.2	141.1	40.1	29.4	29.9	27.2	31.8	31.8	34.0	34.3
32.5°	346.1	329.4	158.9	33.8	29.4	27.4	29.6	30.2	29.6	38.4	38.7
35°	368.3	348.3	136.1	35.1	28.0	26.6	26.6	29.9	31.8	33.8	34.0
37.5°	395.5	369.4	107.0	32.9	29.1	25.8	24.4	25.5	28.0	32.9	33.2
40°	430.1	392.5	82.3	31.0	27.2	23.6	22.2	23.3	23.3	24.7	25.0
42.5°	476.7	419.9	60.9	29.6	25.5	21.7	19.5	18.1	17.3	17.0	17.3
45°	540.7	455.1	45.6	28.3	24.4	19.2	16.2	13.2	11.0	11.0	11.3
47.5°	616.7	494.3	37.1	26.1	22.8	16.5	12.4	8.5	6.9	7.1	7.4
50°	697.7	535.7	32.4	24.2	20.9	13.4	8.2	5.2	4.4	4.7	4.9
52.5°	772.6	562.6	30.5	22.2	18.4	10.4	5.2	3.6	3.3	3.3	3.6
55°	847.8	582.9	28.8	20.3	14.8	6.9	3.0	2.7	2.7	2.5	2.5
57.5°	917.8	595.0	26.1	17.6	10.4	4.1	2.2	2.2	1.9	1.9	1.9
60°	982.0	593.7	20.9	13.2	6.6	2.5	1.6	1.6	1.4	1.4	1.4
62.5°	1047.6	587.6	14.8	9.3	4.4	1.6	1.1	1.1	0.8	0.5	0.8
65°	1087.1	570.6	9.9	6.6	2.7	1.1	0.8	0.5	0.3	0.0	0.3
67.5°	1070.7	521.2	7.4	4.9	1.9	0.8	0.5	0.3	0.0	0.0	0.0
68°	1055.6	505.6	6.9	4.7	1.6	0.8	0.5	0.3	0.0	0.0	0.0
70°	936.7	421.3	6.0	3.8	1.4	0.8	0.5	0.3	0.0	0.0	0.0
72.5°	624.9	273.6	4.9	3.0	1.1	0.5	0.5	0.3	0.0	0.0	0.0
75°	288.2	87.8	3.8	2.5	0.8	0.5	0.5	0.3	0.0	0.0	0.0
77.5°	76.8	18.7	2.5	1.6	0.8	0.5	0.5	0.3	0.3	0.3	0.0
80°	18.4	5.8	1.6	1.4	0.8	0.5	0.5	0.3	0.3	0.3	0.0
82.5°	6.9	3.0	1.1	1.1	0.8	0.5	0.5	0.3	0.5	0.5	0.0
85°	3.0	1.9	1.1	1.1	0.8	0.5	0.5	0.5	0.5	0.8	0.0
87.5°	1.4	1.4	1.1	1.1	1.1	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)