

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: P414495

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414495
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-PA1-20-830-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 1654 lumens
Efficiency: N/A
Efficacy: 78.8 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

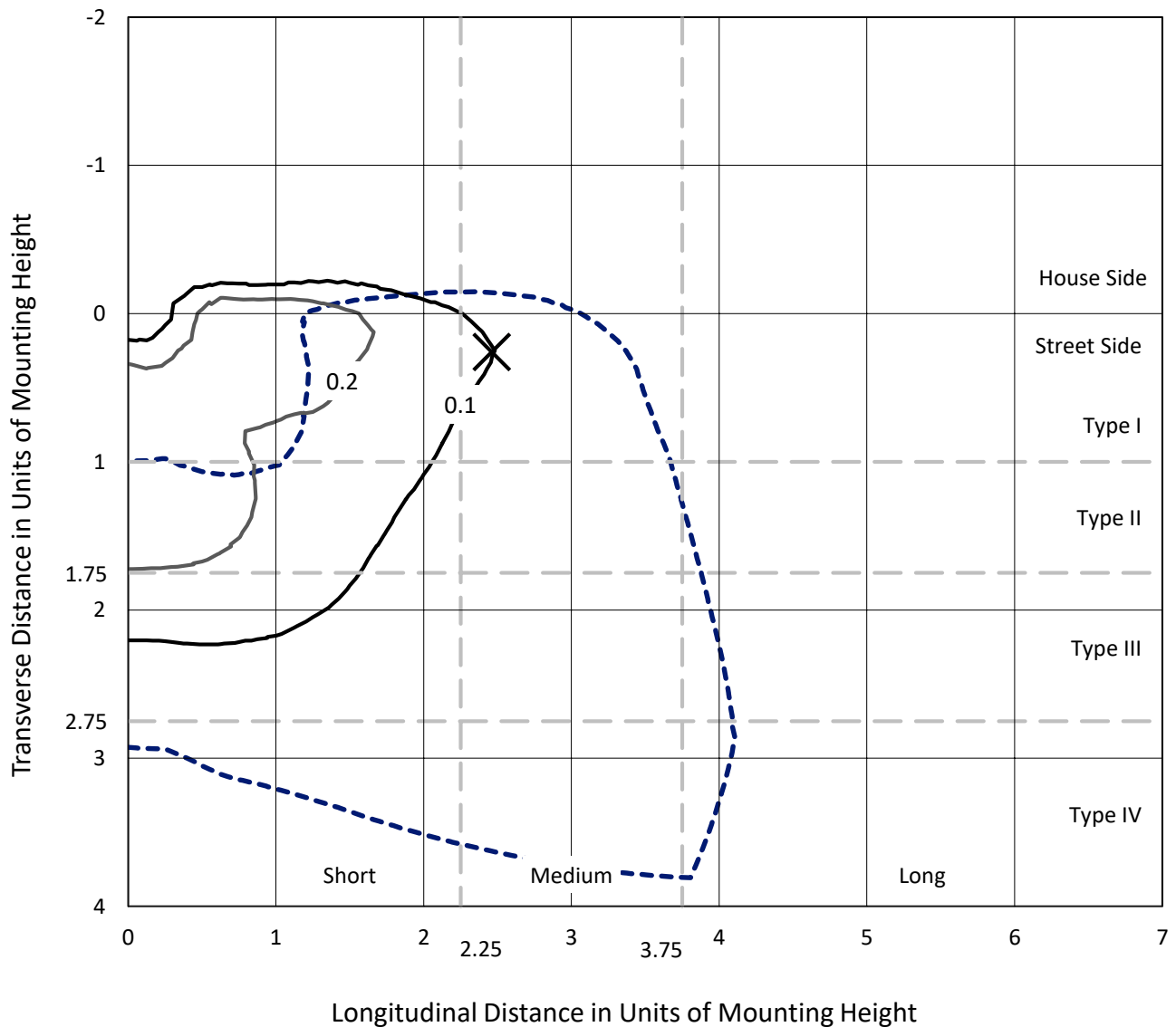
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

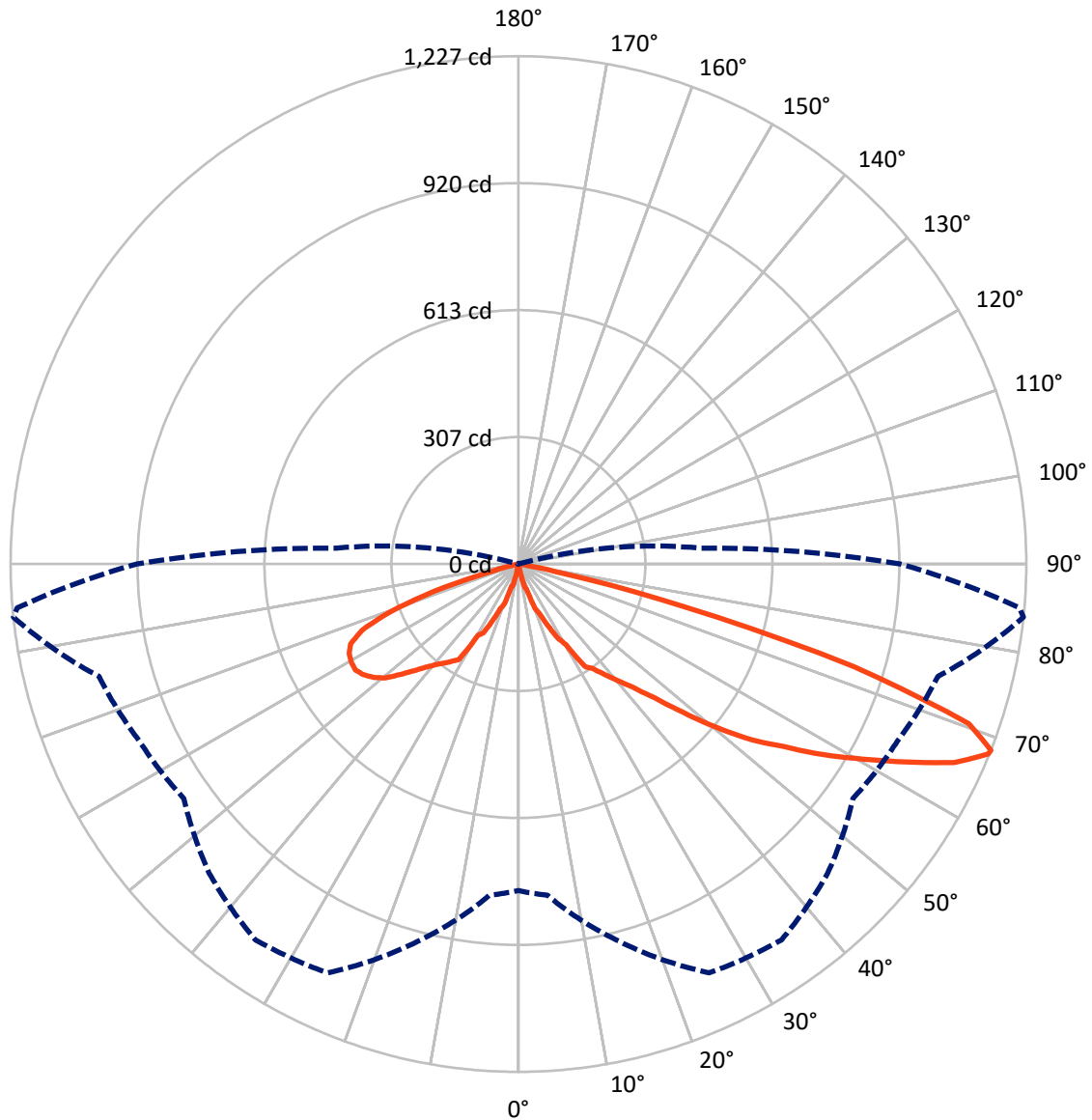
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 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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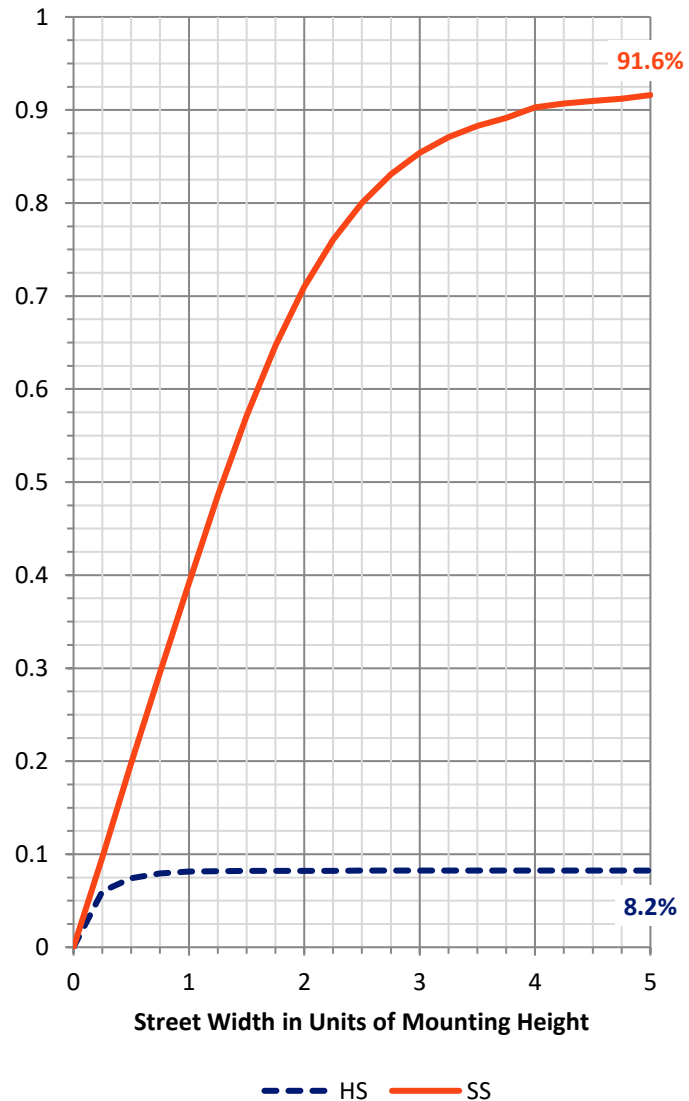
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	137.5	0.0	137.5
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	1516.5	0.0	1516.5
	% Fixture	91.7	0.0	91.7
Total	Lumens	1654.0	0.0	1654.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.1
10°-20°	15.0	0.9
20°-30°	53.6	3.2
30°-40°	114.5	6.9
40°-50°	204.7	12.4
50°-60°	363.1	22.0
60°-70°	521.8	31.6
70°-80°	351.3	21.2
80°-90°	28.9	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°	1654.0	100.0
0°-180°	1654.0	100.0



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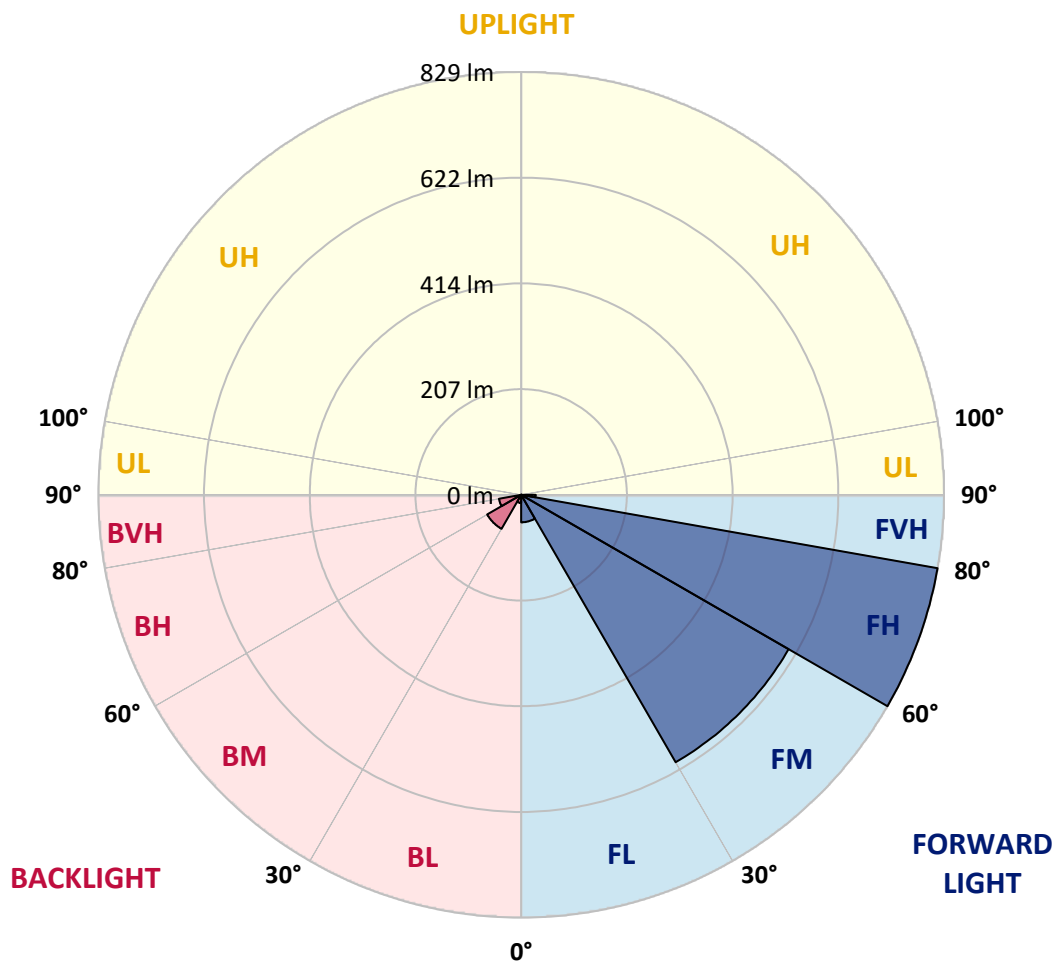
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.9	3.3			
FM	(30°-60°)	605.3	36.6			
FH	(60°-80°)	828.9	50.1			G1/1800
FVH	(80°-90°)	28.4	1.7			G1/100
BL	(0°-30°)	15.8	1.0	B0/110		
BM	(30°-60°)	77.0	4.7	B0/220		
BH	(60°-80°)	44.2	2.7	B0/110		G0/110
BVH	(80°-90°)	0.4	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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2.5°	0.2	0.2	0.0	0.2	0.2	0.5	0.5	0.7	0.7	0.7	0.7
5°	12.7	10.8	10.5	9.3	6.7	1.7	0.5	0.7	0.7	0.7	0.7
7.5°	45.5	44.8	44.3	43.4	42.4	32.6	6.5	0.7	0.7	0.7	0.7
10°	48.9	47.9	47.2	46.0	44.6	42.9	41.0	5.3	0.7	0.7	0.7
12.5°	101.1	99.9	69.2	57.3	47.2	44.8	43.4	22.5	20.8	23.7	27.1
15°	106.4	105.4	102.8	99.4	89.4	50.5	68.0	84.6	55.1	58.7	58.7
17.5°	118.6	116.7	107.6	102.5	98.5	108.3	99.4	90.6	59.4	63.0	63.0
20°	166.0	165.5	162.9	113.8	103.5	137.0	108.3	96.5	109.7	114.5	109.0
22.5°	167.4	167.0	165.1	158.6	162.7	140.9	155.5	145.9	149.7	130.8	129.8
25°	222.1	220.1	176.3	161.5	183.5	150.2	184.9	161.0	158.1	163.4	163.4
27.5°	226.1	225.7	224.2	214.9	188.3	212.7	190.4	208.4	212.5	201.9	207.5
30°	257.5	241.7	233.3	227.8	221.8	223.3	222.3	239.8	221.3	225.7	223.3
32.5°	299.7	298.2	293.9	242.9	246.5	233.1	259.2	256.6	286.3	295.6	294.2
35°	358.4	335.4	307.3	281.0	255.8	276.9	267.8	298.5	305.9	310.2	319.1
37.5°	409.9	402.5	376.3	298.0	283.4	285.1	306.4	319.8	330.8	338.5	342.3
40°	457.1	451.6	434.1	348.3	298.2	309.5	327.0	334.4	356.2	370.4	370.6
42.5°	527.0	530.4	514.1	393.8	338.5	343.8	358.6	359.8	379.2	407.5	408.4
45°	614.5	609.9	605.8	459.9	376.8	373.5	394.1	391.2	421.1	460.9	465.7
47.5°	698.8	692.3	681.3	536.1	430.0	406.8	435.5	437.9	484.6	535.4	537.3
50°	763.9	761.5	750.5	624.8	500.7	452.8	481.5	509.8	559.4	620.4	624.5
52.5°	835.8	830.3	810.9	707.9	591.5	522.0	536.6	586.2	638.2	705.2	704.8
55°	883.7	884.4	866.0	792.7	673.9	600.3	606.1	682.2	710.0	778.5	783.6
57.5°	947.4	942.2	947.2	892.3	785.5	679.9	693.3	759.1	784.1	868.6	872.0
60°	994.9	996.8	1021.7	984.3	872.0	760.8	772.3	821.9	857.8	956.8	967.3
62.5°	996.5	1006.8	1073.9	1076.6	965.6	848.5	841.1	886.1	917.7	1052.6	1065.3
65°	905.3	911.5	1062.7	1101.0	1052.6	934.5	906.5	940.2	976.9	1156.3	1158.7
67.5°	813.8	815.7	961.6	1093.8	1104.8	1037.7	976.2	999.4	1034.9	1224.6	1216.2
68°	788.9	803.2	944.1	1089.7	1108.2	1056.4	986.7	1010.7	1049.0	1226.8	1215.0
70°	715.1	730.4	860.0	1044.2	1106.5	1126.9	1044.5	1047.8	1057.9	1154.4	1116.8
72.5°	480.8	491.1	680.6	888.7	1070.6	1208.8	1108.9	1025.8	949.1	846.3	813.0
75°	184.9	186.1	343.0	610.9	925.6	1167.8	1040.9	864.8	644.6	412.0	386.9
77.5°	69.0	67.8	99.4	283.2	587.6	907.4	777.1	530.1	268.5	108.0	105.6
80°	24.4	25.2	38.6	85.3	238.8	530.1	432.6	215.8	79.1	24.0	22.0
82.5°	9.6	10.3	19.6	40.5	102.5	222.5	184.7	91.7	46.2	9.1	8.6
85°	2.2	2.4	7.7	20.1	39.0	64.4	64.9	56.1	38.3	4.3	4.1
87.5°	0.2	0.5	2.2	2.6	3.1	1.7	5.5	5.7	10.5	1.7	1.7
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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2.5°	0.7	0.7	0.7	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0
5°	0.7	0.7	0.7	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0
7.5°	0.7	0.7	0.7	0.5	0.2	0.2	0.0	21.1	21.8	22.5	22.8
10°	0.7	0.7	0.7	0.5	0.5	22.0	25.9	24.9	23.2	22.5	22.8
12.5°	26.1	25.4	8.1	1.7	20.1	24.2	19.9	16.5	14.9	13.7	13.7
15°	57.0	54.9	45.8	35.0	32.8	18.7	12.7	10.8	15.8	19.2	19.2
17.5°	60.6	58.0	51.3	50.8	33.3	16.3	13.2	17.0	18.0	18.9	18.9
20°	117.4	105.2	72.3	48.6	24.4	19.9	16.5	16.3	17.0	18.2	18.4
22.5°	125.8	119.8	91.0	58.9	22.3	21.6	19.2	18.2	24.4	26.6	26.6
25°	159.8	154.0	98.0	47.0	27.1	22.0	24.2	22.8	23.2	25.2	25.2
27.5°	204.3	193.8	128.6	39.5	25.2	24.0	24.7	22.8	26.8	31.9	31.9
30°	226.4	205.3	123.1	35.0	25.6	26.1	23.7	27.8	27.8	29.7	29.9
32.5°	302.1	287.5	138.7	29.5	25.6	24.0	25.9	26.4	25.9	33.5	33.8
35°	321.5	304.0	118.8	30.7	24.4	23.2	23.2	26.1	27.8	29.5	29.7
37.5°	345.2	322.4	93.4	28.7	25.4	22.5	21.3	22.3	24.4	28.7	29.0
40°	375.4	342.6	71.9	27.1	23.7	20.6	19.4	20.4	20.4	21.6	21.8
42.5°	416.1	366.5	53.2	25.9	22.3	18.9	17.0	15.8	15.1	14.9	15.1
45°	471.9	397.2	39.8	24.7	21.3	16.8	14.1	11.5	9.6	9.6	9.8
47.5°	538.3	431.4	32.3	22.8	19.9	14.4	10.8	7.4	6.0	6.2	6.5
50°	608.9	467.6	28.3	21.1	18.2	11.7	7.2	4.6	3.8	4.1	4.3
52.5°	674.3	491.1	26.6	19.4	16.1	9.1	4.6	3.1	2.9	2.9	3.1
55°	740.0	508.8	25.2	17.7	12.9	6.0	2.6	2.4	2.4	2.2	2.2
57.5°	801.1	519.4	22.8	15.3	9.1	3.6	1.9	1.9	1.7	1.7	1.7
60°	857.1	518.2	18.2	11.5	5.7	2.2	1.4	1.4	1.2	1.2	1.2
62.5°	914.4	512.9	12.9	8.1	3.8	1.4	1.0	1.0	0.7	0.5	0.7
65°	948.9	498.0	8.6	5.7	2.4	1.0	0.7	0.5	0.2	0.0	0.2
67.5°	934.5	454.9	6.5	4.3	1.7	0.7	0.5	0.2	0.0	0.0	0.0
68°	921.3	441.3	6.0	4.1	1.4	0.7	0.5	0.2	0.0	0.0	0.0
70°	817.6	367.7	5.3	3.4	1.2	0.7	0.5	0.2	0.0	0.0	0.0
72.5°	545.5	238.8	4.3	2.6	1.0	0.5	0.5	0.2	0.0	0.0	0.0
75°	251.5	76.7	3.4	2.2	0.7	0.5	0.5	0.2	0.0	0.0	0.0
77.5°	67.1	16.3	2.2	1.4	0.7	0.5	0.5	0.2	0.2	0.2	0.0
80°	16.1	5.0	1.4	1.2	0.7	0.5	0.5	0.2	0.2	0.2	0.0
82.5°	6.0	2.6	1.0	1.0	0.7	0.5	0.5	0.2	0.5	0.5	0.0
85°	2.6	1.7	1.0	1.0	0.7	0.5	0.5	0.5	0.5	0.7	0.0
87.5°	1.2	1.2	1.0	1.0	1.0	0.5	0.7	0.7	0.7	0.7	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)