

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: P414443

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414443
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-PA1-20-827-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 1530 lumens
Efficiency: N/A
Efficacy: 72.9 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

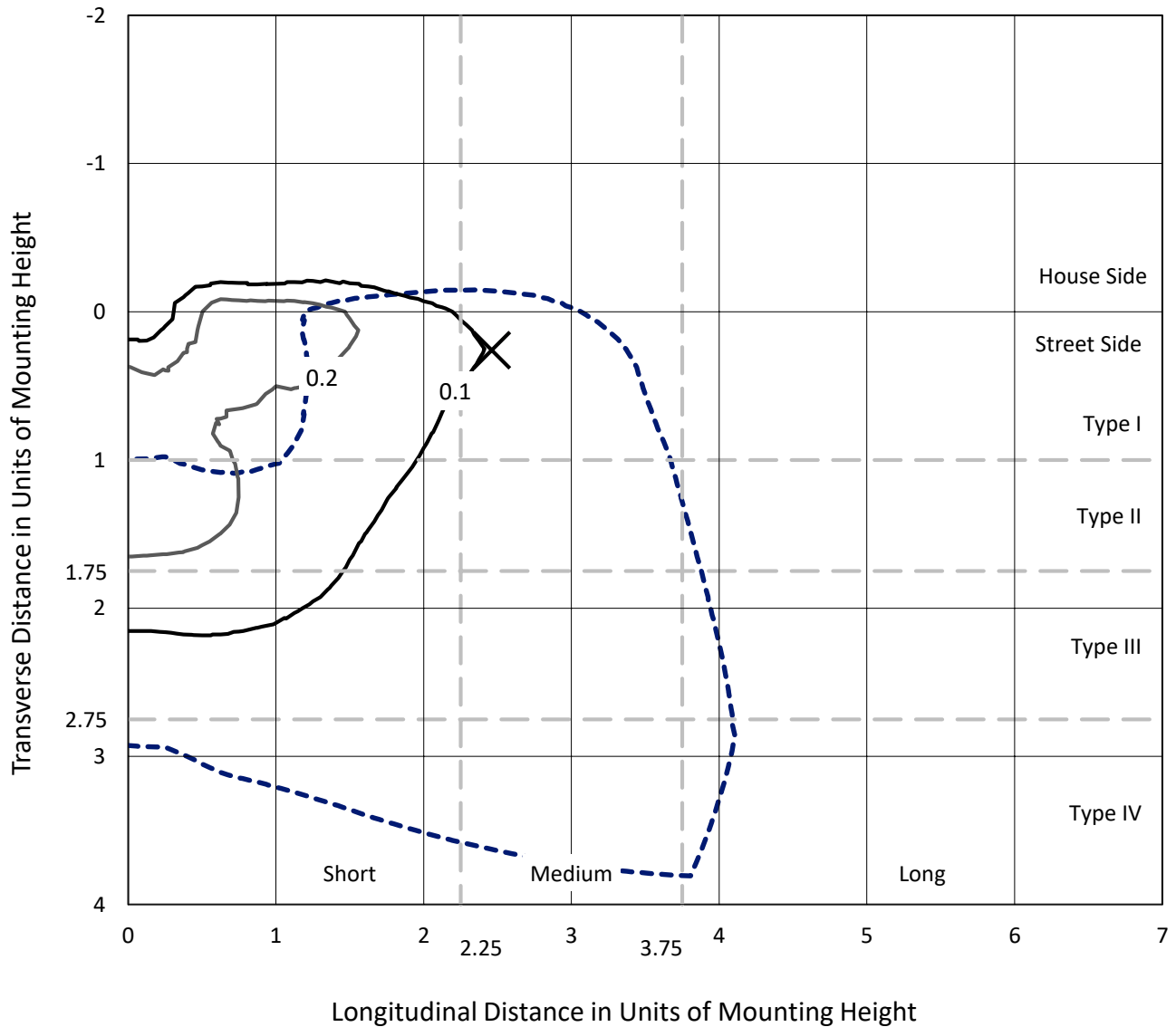


REPORT NUMBER: P414443

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

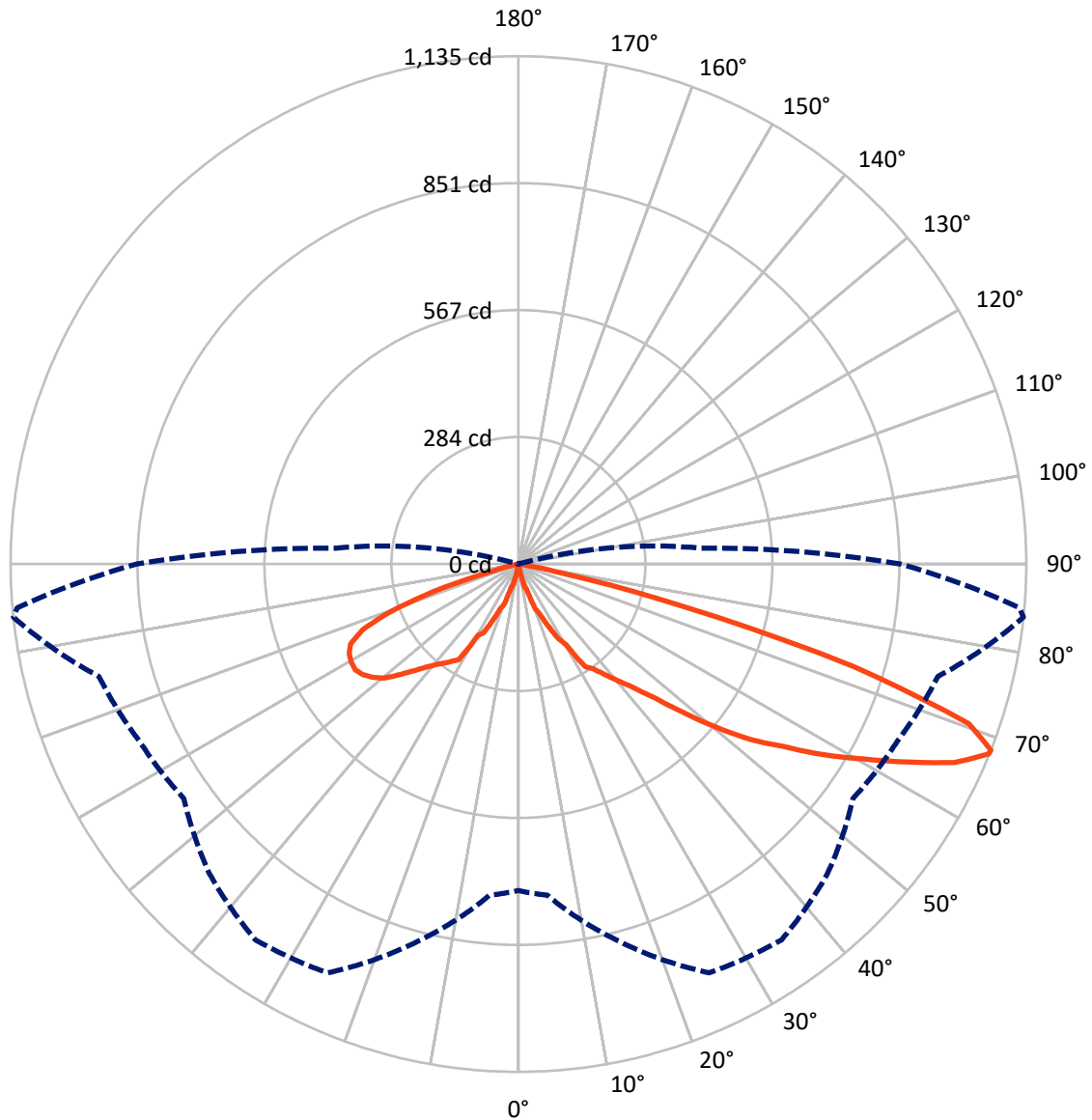
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414443
CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414443

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-HSS

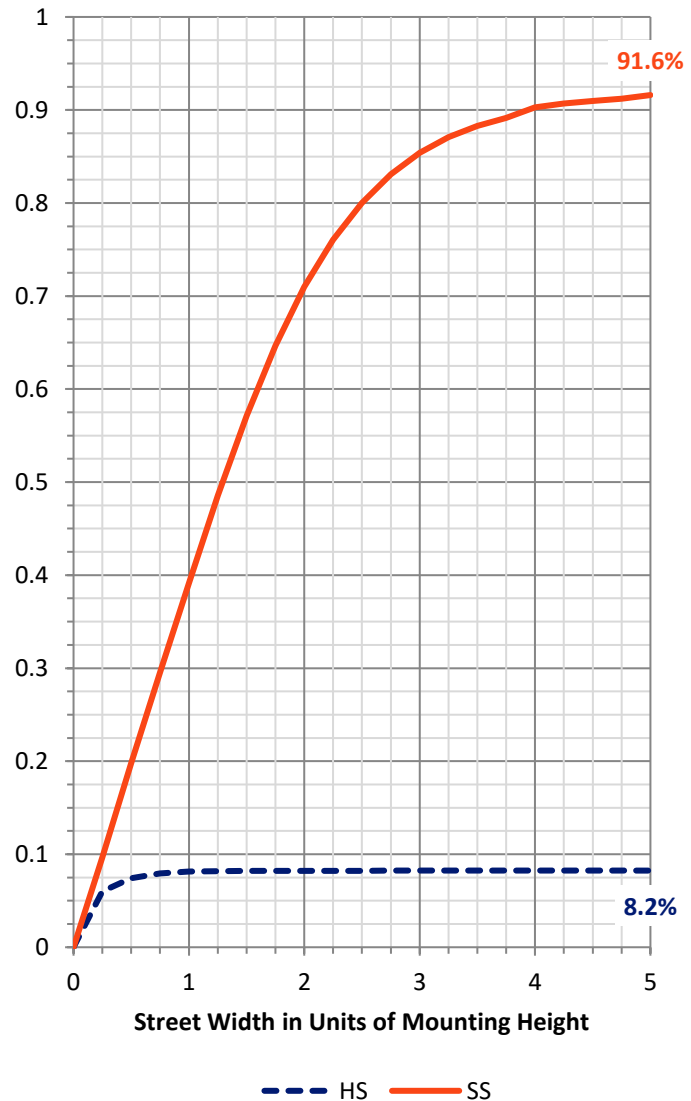
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	127.1	0.0	127.1
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	1402.9	0.0	1402.9
	% Fixture	91.7	0.0	91.7
Total	Lumens	1530.0	0.0	1530.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.1
10°-20°	13.8	0.9
20°-30°	49.6	3.2
30°-40°	105.9	6.9
40°-50°	189.3	12.4
50°-60°	335.9	22.0
60°-70°	482.7	31.6
70°-80°	325.0	21.2
80°-90°	26.7	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°	1530.0	100.0
0°-180°	1530.0	100.0



REPORT NUMBER: P414443

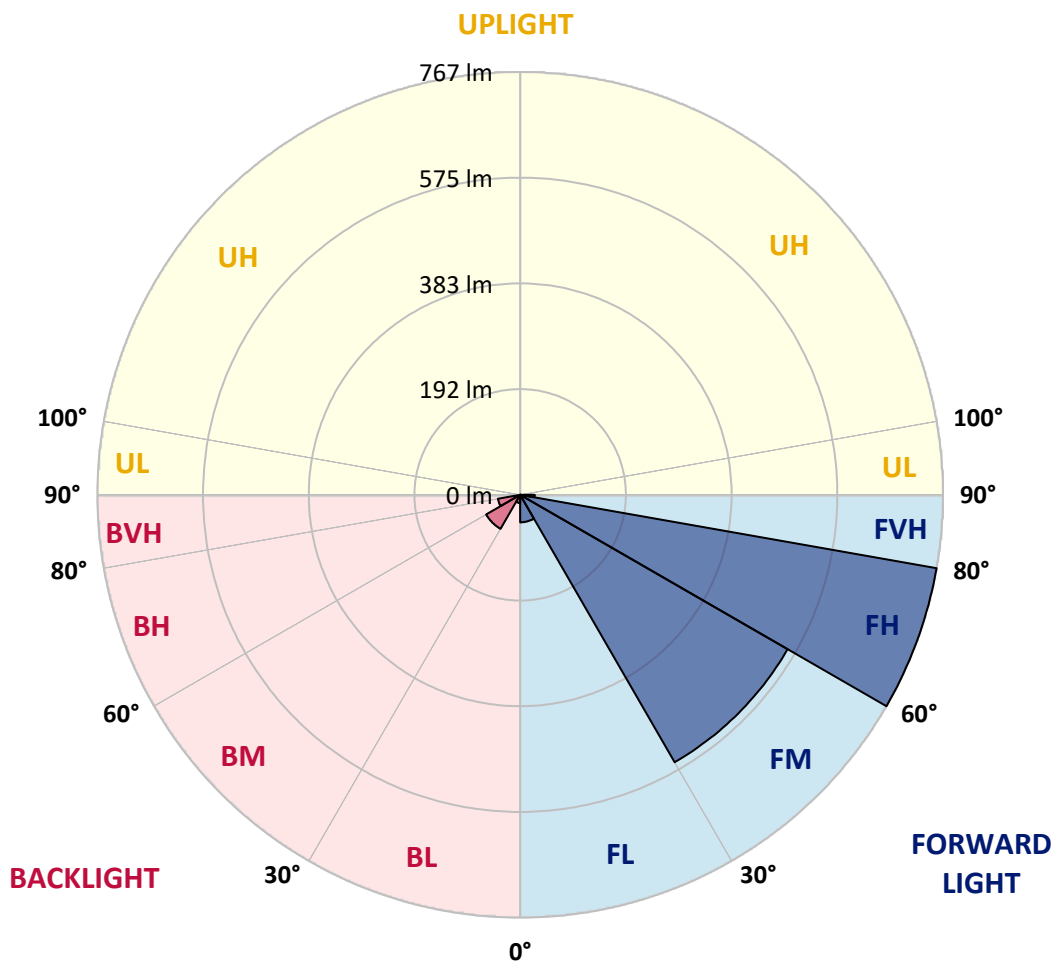
CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	49.9	3.3			
FM	(30°-60°)	559.9	36.6			
FH	(60°-80°)	766.8	50.1			G1/1800
FVH	(80°-90°)	26.3	1.7			G1/100
BL	(0°-30°)	14.6	1.0	B0/110		
BM	(30°-60°)	71.2	4.7	B0/220		
BH	(60°-80°)	40.9	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





REPORT NUMBER: P414443

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-HSS

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	0.4	0.4	0.7	0.7	0.7	0.7
5°	11.7	10.0	9.8	8.6	6.2	1.6	0.4	0.7	0.7	0.7	0.7
7.5°	42.1	41.4	41.0	40.1	39.2	30.1	6.0	0.7	0.7	0.7	0.7
10°	45.2	44.3	43.7	42.5	41.2	39.7	37.9	4.9	0.7	0.7	0.7
12.5°	93.5	92.4	64.0	53.0	43.7	41.4	40.1	20.8	19.3	21.9	25.0
15°	98.4	97.5	95.1	92.0	82.7	46.8	62.9	78.2	51.0	54.3	54.3
17.5°	109.7	107.9	99.5	94.8	91.1	100.2	92.0	83.8	55.0	58.3	58.3
20°	153.6	153.1	150.7	105.3	95.7	126.8	100.2	89.3	101.5	105.9	100.8
22.5°	154.9	154.5	152.7	146.7	150.5	130.3	143.8	135.0	138.5	121.0	120.1
25°	205.4	203.6	163.1	149.4	169.7	138.9	171.1	148.9	146.3	151.1	151.1
27.5°	209.2	208.7	207.4	198.8	174.2	196.8	176.2	192.8	196.6	186.8	191.9
30°	238.2	223.6	215.8	210.7	205.2	206.5	205.6	221.8	204.8	208.7	206.5
32.5°	277.2	275.9	271.9	224.7	228.0	215.6	239.8	237.3	264.8	273.4	272.1
35°	331.5	310.2	284.3	259.9	236.7	256.2	247.7	276.1	283.0	287.0	295.2
37.5°	379.1	372.3	348.1	275.7	262.1	263.7	283.4	295.8	306.0	313.1	316.7
40°	422.8	417.7	401.5	322.2	275.9	286.3	302.5	309.3	329.5	342.6	342.8
42.5°	487.5	490.6	475.5	364.3	313.1	318.0	331.7	332.8	350.8	376.9	377.8
45°	568.4	564.2	560.4	425.5	348.6	345.5	364.5	361.9	389.6	426.3	430.8
47.5°	646.4	640.4	630.2	495.9	397.8	376.3	402.9	405.1	448.3	495.3	497.0
50°	706.7	704.4	694.3	577.9	463.1	418.8	445.4	471.6	517.4	573.9	577.7
52.5°	773.1	768.0	750.1	654.8	547.1	482.9	496.4	542.2	590.3	652.4	651.9
55°	817.5	818.1	801.1	733.3	623.3	555.3	560.6	631.1	656.8	720.2	724.8
57.5°	876.4	871.5	876.2	825.4	726.6	628.9	641.3	702.2	725.3	803.5	806.6
60°	920.3	922.1	945.1	910.5	806.6	703.8	714.4	760.3	793.5	885.0	894.8
62.5°	921.8	931.4	993.4	995.8	893.2	784.9	778.0	819.7	848.9	973.7	985.4
65°	837.4	843.2	983.0	1018.4	973.7	864.4	838.5	869.8	903.7	1069.6	1071.9
67.5°	752.8	754.5	889.5	1011.8	1022.0	959.9	903.0	924.5	957.3	1132.8	1125.0
68°	729.7	743.0	873.3	1008.0	1025.1	977.2	912.7	934.9	970.4	1134.8	1123.9
70°	661.5	675.6	795.5	965.9	1023.5	1042.4	966.2	969.3	978.6	1067.9	1033.1
72.5°	444.7	454.3	629.5	822.1	990.3	1118.2	1025.8	948.9	878.0	782.9	752.1
75°	171.1	172.2	317.3	565.1	856.2	1080.3	962.8	800.0	596.3	381.1	357.9
77.5°	63.8	62.7	92.0	261.9	543.6	839.4	718.9	490.4	248.4	99.9	97.7
80°	22.6	23.3	35.7	78.9	220.9	490.4	400.2	199.7	73.1	22.2	20.4
82.5°	8.9	9.5	18.2	37.4	94.8	205.9	170.8	84.9	42.8	8.4	8.0
85°	2.0	2.2	7.1	18.6	36.1	59.6	60.1	51.9	35.5	4.0	3.8
87.5°	0.2	0.4	2.0	2.4	2.9	1.6	5.1	5.3	9.8	1.6	1.6
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: P414443

CATALOG NUMBER: LXF.LXT-PA1-20-827-U-T4W-HSS

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	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0
5°	0.7	0.7	0.7	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0
7.5°	0.7	0.7	0.7	0.4	0.2	0.2	0.0	19.5	20.2	20.8	21.1
10°	0.7	0.7	0.7	0.4	0.4	20.4	23.9	23.0	21.5	20.8	21.1
12.5°	24.2	23.5	7.5	1.6	18.6	22.4	18.4	15.3	13.7	12.6	12.6
15°	52.7	50.7	42.3	32.4	30.4	17.3	11.7	10.0	14.6	17.7	17.7
17.5°	56.1	53.6	47.4	47.0	30.8	15.1	12.2	15.7	16.6	17.5	17.5
20°	108.6	97.3	66.9	45.0	22.6	18.4	15.3	15.1	15.7	16.8	17.1
22.5°	116.3	110.8	84.2	54.5	20.6	19.9	17.7	16.8	22.6	24.6	24.6
25°	147.8	142.5	90.6	43.4	25.0	20.4	22.4	21.1	21.5	23.3	23.3
27.5°	189.0	179.3	119.0	36.6	23.3	22.2	22.8	21.1	24.8	29.5	29.5
30°	209.4	189.9	113.9	32.4	23.7	24.2	21.9	25.7	25.7	27.5	27.7
32.5°	279.4	265.9	128.3	27.3	23.7	22.2	23.9	24.4	23.9	31.0	31.2
35°	297.4	281.2	109.9	28.4	22.6	21.5	21.5	24.2	25.7	27.3	27.5
37.5°	319.3	298.3	86.4	26.6	23.5	20.8	19.7	20.6	22.6	26.6	26.8
40°	347.2	316.9	66.5	25.0	21.9	19.1	17.9	18.8	18.8	19.9	20.2
42.5°	384.9	339.0	49.2	23.9	20.6	17.5	15.7	14.6	14.0	13.7	14.0
45°	436.5	367.4	36.8	22.8	19.7	15.5	13.1	10.6	8.9	8.9	9.1
47.5°	497.9	399.1	29.9	21.1	18.4	13.3	10.0	6.9	5.5	5.8	6.0
50°	563.3	432.6	26.1	19.5	16.8	10.9	6.6	4.2	3.5	3.8	4.0
52.5°	623.8	454.3	24.6	17.9	14.8	8.4	4.2	2.9	2.7	2.7	2.9
55°	684.5	470.7	23.3	16.4	12.0	5.5	2.4	2.2	2.2	2.0	2.0
57.5°	741.0	480.4	21.1	14.2	8.4	3.3	1.8	1.8	1.6	1.6	1.6
60°	792.9	479.3	16.8	10.6	5.3	2.0	1.3	1.3	1.1	1.1	1.1
62.5°	845.8	474.4	12.0	7.5	3.5	1.3	0.9	0.9	0.7	0.4	0.7
65°	877.7	460.7	8.0	5.3	2.2	0.9	0.7	0.4	0.2	0.0	0.2
67.5°	864.4	420.8	6.0	4.0	1.6	0.7	0.4	0.2	0.0	0.0	0.0
68°	852.3	408.2	5.5	3.8	1.3	0.7	0.4	0.2	0.0	0.0	0.0
70°	756.3	340.1	4.9	3.1	1.1	0.7	0.4	0.2	0.0	0.0	0.0
72.5°	504.6	220.9	4.0	2.4	0.9	0.4	0.4	0.2	0.0	0.0	0.0
75°	232.7	70.9	3.1	2.0	0.7	0.4	0.4	0.2	0.0	0.0	0.0
77.5°	62.0	15.1	2.0	1.3	0.7	0.4	0.4	0.2	0.2	0.2	0.0
80°	14.8	4.7	1.3	1.1	0.7	0.4	0.4	0.2	0.2	0.2	0.0
82.5°	5.5	2.4	0.9	0.9	0.7	0.4	0.4	0.2	0.4	0.4	0.0
85°	2.4	1.6	0.9	0.9	0.7	0.4	0.4	0.4	0.4	0.7	0.0
87.5°	1.1	1.1	0.9	0.9	0.9	0.4	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)