

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: P414251

Luminaire Tested: **LXF.LXT-PA1-20-740-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-740-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2322 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

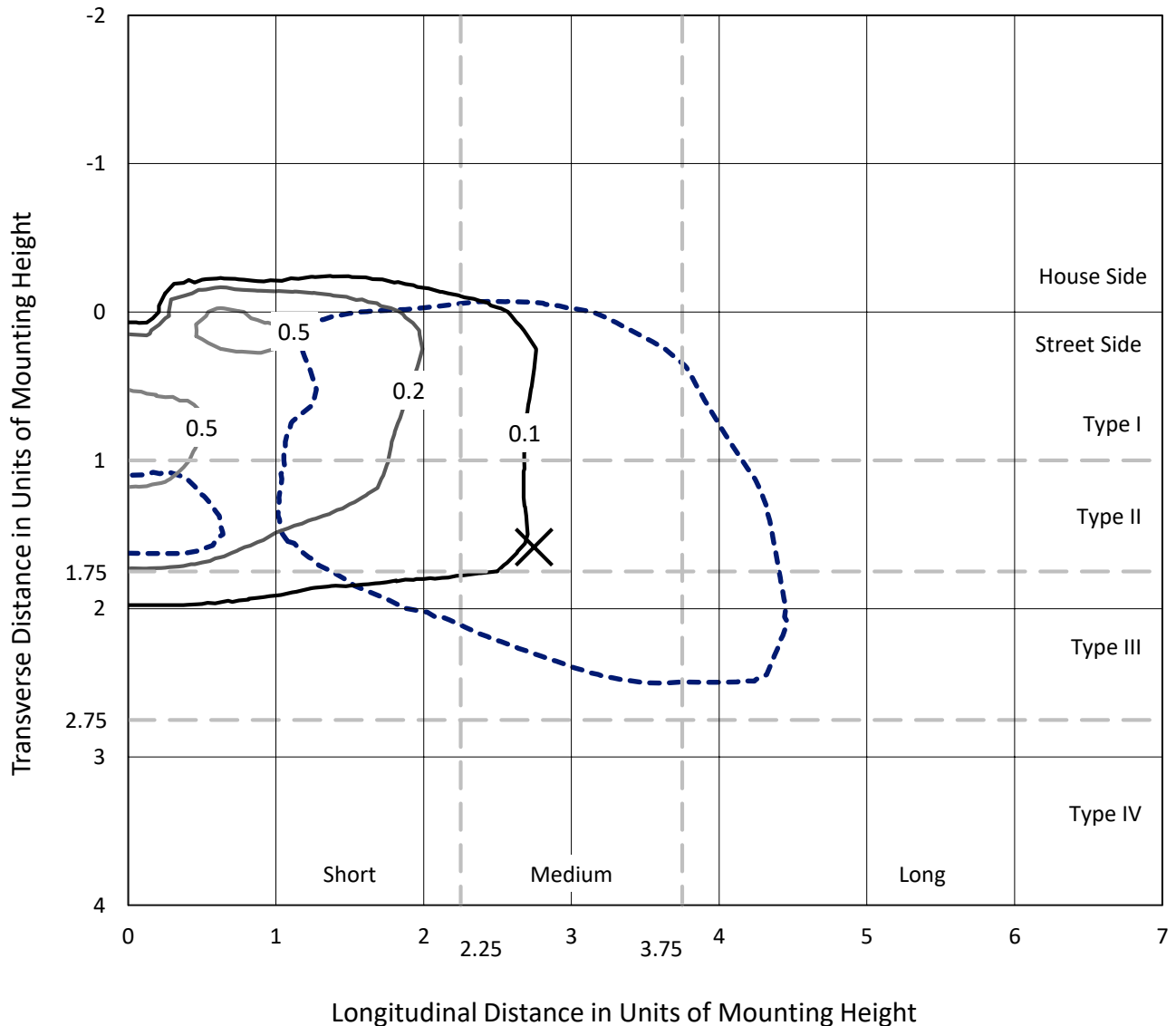
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414251
 CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

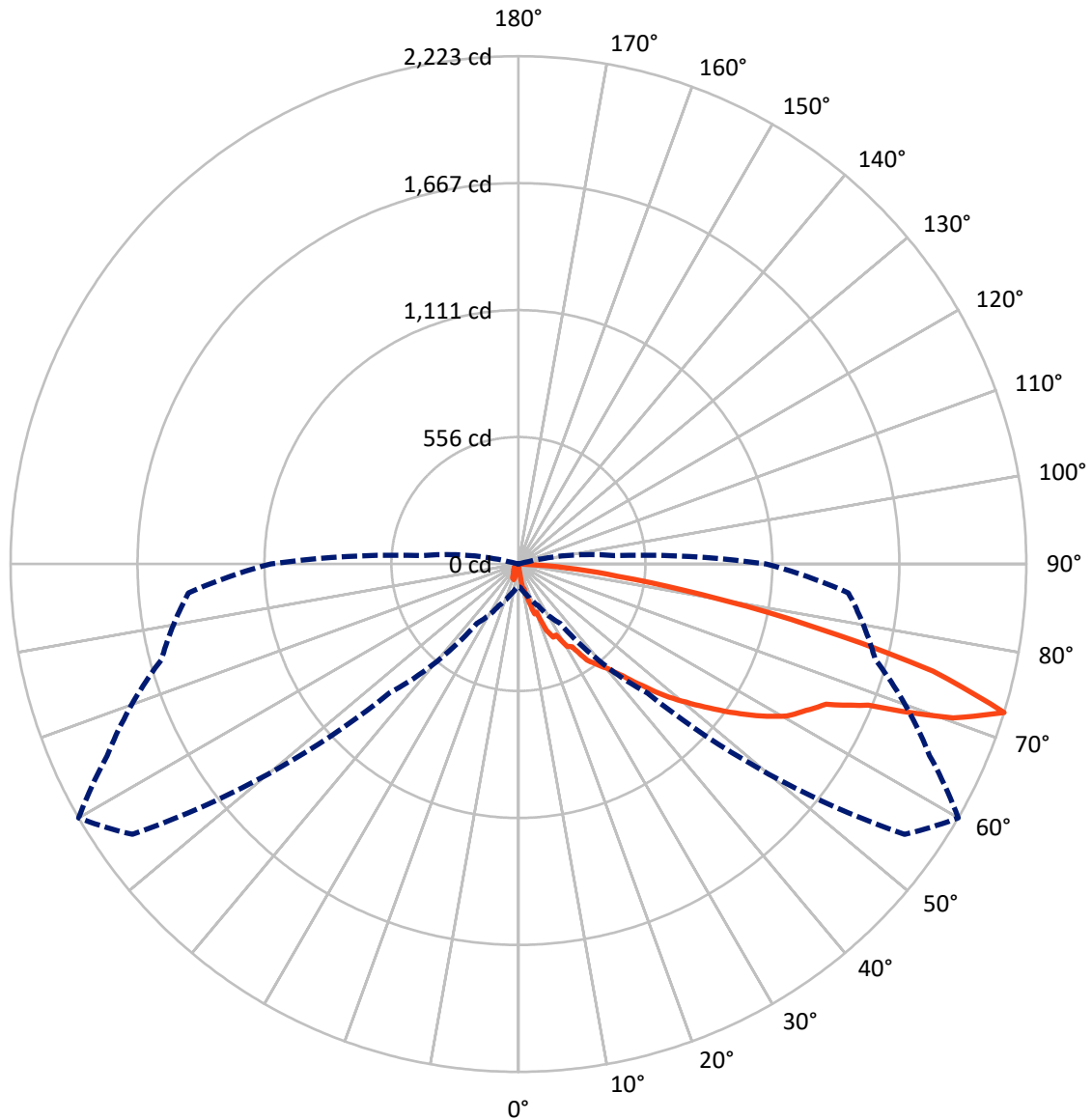
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P414251
CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



REPORT NUMBER: P414251

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-HSS

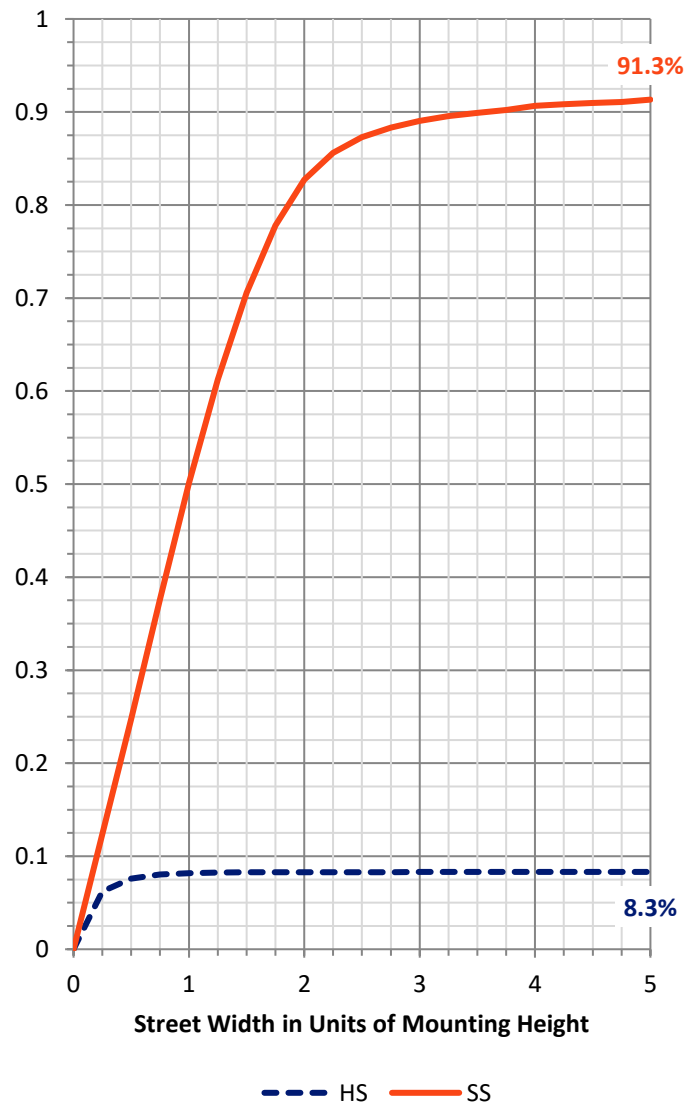
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	194.7	0.0	194.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2127.2	0.0	2127.2
	% Fixture	91.6	0.0	91.6
Total	Lumens	2322.0	0.0	2322.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	32.3	1.4
20°-30°	101.1	4.4
30°-40°	218.0	9.4
40°-50°	370.7	16.0
50°-60°	548.1	23.6
60°-70°	596.2	25.7
70°-80°	406.3	17.5
80°-90°	46.1	2.0
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°	2322.0	100.0
0°-180°	2322.0	100.0

Coefficient of Utilization



REPORT NUMBER: P414251

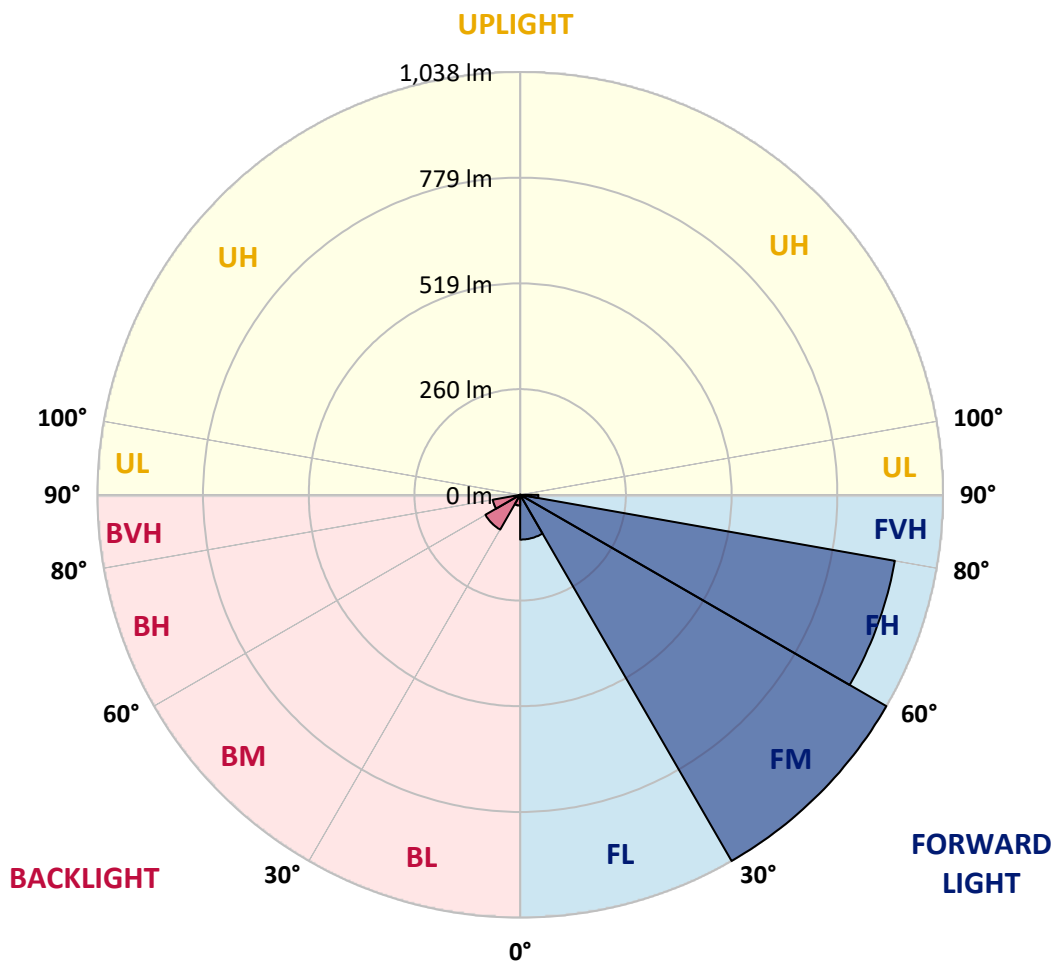
CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	110.0	4.7			
FM	(30°-60°)	1038.4	44.7			
FH	(60°-80°)	934.2	40.2			G1/1800
FVH	(80°-90°)	44.7	1.9			G1/100
BL	(0°-30°)	26.6	1.1	B0/110		
BM	(30°-60°)	98.5	4.2	B0/220		
BH	(60°-80°)	68.2	2.9	B0/110		G0/110
BVH	(80°-90°)	1.4	0.1			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 III Medium





REPORT NUMBER: P414251

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	2.1	1.5	1.5	1.2	0.9	0.9	0.9	1.2	1.2	0.9	1.2
5°	118.8	117.3	117.3	117.9	76.6	13.0	7.2	3.0	1.2	1.2	1.2
7.5°	112.7	111.5	112.1	113.6	114.6	116.1	116.1	35.6	11.5	1.2	1.2
10°	115.5	114.6	109.7	108.8	110.6	112.1	112.7	115.5	112.1	3.3	1.2
12.5°	203.2	201.7	201.7	204.4	118.8	108.5	109.7	112.4	97.1	12.7	6.9
15°	194.4	193.2	193.5	196.8	201.4	142.9	112.7	167.0	214.3	193.5	153.7
17.5°	271.3	233.6	202.0	192.3	193.2	199.6	218.6	229.7	218.0	220.4	167.6
20°	277.0	274.9	273.7	275.8	197.8	263.2	277.9	225.5	219.5	236.0	309.3
22.5°	286.7	281.9	272.2	271.0	304.5	259.2	269.2	315.3	323.8	345.8	322.0
25°	388.3	384.7	374.7	285.2	312.3	297.8	339.4	354.8	349.7	364.2	349.1
27.5°	426.6	419.6	398.2	370.2	331.6	351.2	343.4	351.8	386.2	501.6	492.3
30°	597.8	579.4	520.3	426.3	394.3	365.7	399.4	417.2	446.2	513.4	504.6
32.5°	649.6	630.0	587.2	542.6	467.3	414.5	439.5	431.7	452.5	626.4	662.6
35°	800.7	791.6	714.4	590.5	571.3	489.0	461.5	515.5	546.2	635.2	696.4
37.5°	802.5	803.1	798.6	714.7	626.4	549.5	554.7	556.8	580.6	676.8	735.5
40°	828.1	832.3	843.5	780.2	705.7	637.3	623.7	602.6	623.7	723.5	789.2
42.5°	881.8	884.8	909.5	843.5	768.4	705.7	712.6	669.5	684.9	811.8	862.2
45°	976.1	974.3	1005.3	910.1	826.9	783.8	791.6	758.5	749.1	884.2	947.8
47.5°	1082.8	1089.5	1088.2	983.6	885.1	856.4	879.0	861.3	824.5	976.4	1047.6
50°	1183.8	1181.7	1150.3	1025.2	936.9	927.6	979.7	950.5	917.0	1070.2	1143.7
52.5°	1220.6	1222.4	1185.0	1050.3	981.2	998.1	1076.2	1046.6	1003.2	1137.1	1239.3
55°	1214.0	1216.4	1195.3	1075.9	1014.4	1064.1	1176.3	1150.9	1102.1	1209.7	1311.0
57.5°	1151.9	1151.9	1169.0	1091.9	1046.6	1123.2	1265.5	1255.3	1195.0	1270.0	1353.8
60°	993.3	1010.2	1064.1	1072.6	1084.6	1187.1	1353.8	1350.5	1277.3	1326.4	1379.1
62.5°	763.9	769.3	888.7	979.1	1087.6	1273.0	1428.3	1412.3	1338.2	1343.6	1396.9
65°	433.2	457.9	568.2	796.7	1025.8	1362.9	1548.0	1479.5	1391.5	1364.1	1462.4
67.5°	233.3	242.4	303.9	482.3	840.8	1372.8	1819.3	1650.2	1518.1	1472.0	1590.5
70°	150.7	160.4	193.5	265.0	527.2	1214.0	2074.6	2017.6	1779.5	1619.7	1610.1
72.5°	98.0	103.7	139.6	199.6	317.1	799.8	2062.8	2222.6	1986.0	1617.0	1449.4
75°	39.8	43.7	69.9	166.1	268.0	391.9	1582.6	1874.1	1864.5	1437.0	1121.7
77.5°	19.9	21.1	31.0	89.8	237.8	271.3	1001.4	1321.9	1327.3	1047.6	623.7
80°	13.0	12.7	17.8	42.2	162.2	246.9	560.1	812.1	759.4	397.3	174.8
82.5°	5.1	5.4	9.6	24.1	67.8	223.4	319.5	437.1	341.8	77.5	50.3
85°	0.9	0.9	3.0	13.0	21.4	102.2	206.2	211.6	140.5	24.4	25.3
87.5°	0.3	0.3	0.6	0.9	1.5	2.4	9.0	4.2	2.7	4.2	4.8
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: P414251

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.2	1.2	1.2	0.9	0.9	0.6	0.0	0.0	0.3	0.3	0.3
5°	1.2	1.2	1.2	0.9	0.9	0.3	0.0	0.0	0.3	0.3	0.3
7.5°	1.2	1.2	1.2	0.9	0.6	0.3	0.0	0.0	0.3	0.3	0.3
10°	1.2	1.2	1.2	0.9	0.6	0.3	8.7	55.8	57.6	57.9	57.3
12.5°	7.5	7.8	4.2	0.9	0.6	51.8	51.5	43.1	37.7	35.6	32.9
15°	163.7	155.5	128.7	76.0	41.9	42.5	31.4	23.2	18.7	17.5	16.9
17.5°	162.2	150.4	118.5	69.3	73.0	32.0	16.9	18.7	24.4	24.7	24.7
20°	304.8	267.4	115.8	77.5	49.1	27.7	22.0	23.2	23.2	23.5	23.2
22.5°	317.7	280.4	173.3	98.9	35.3	29.2	25.0	21.7	22.3	28.9	28.0
25°	320.4	274.9	160.7	77.5	34.1	29.2	27.4	26.5	29.8	29.8	30.1
27.5°	461.8	386.5	194.7	58.2	33.8	30.4	30.4	27.7	26.8	26.5	26.8
30°	460.9	373.2	166.1	49.1	32.6	30.1	27.4	24.7	29.8	30.1	30.1
32.5°	605.0	477.2	160.7	39.8	32.6	27.7	24.1	25.6	23.8	23.8	23.8
35°	613.5	465.1	126.6	41.3	28.9	25.3	23.5	19.9	21.1	21.4	20.8
37.5°	629.7	456.7	96.2	37.4	28.9	23.5	19.3	17.8	16.6	16.3	16.3
40°	659.0	457.3	74.2	34.4	27.1	21.4	17.2	14.5	15.1	15.1	14.8
42.5°	702.7	466.0	58.2	31.7	24.4	19.0	14.5	13.0	12.1	12.1	11.8
45°	760.6	484.7	47.6	29.5	22.3	16.3	11.8	10.6	9.6	9.6	9.3
47.5°	832.3	511.0	41.6	27.4	19.9	13.6	9.6	8.4	7.8	7.5	7.5
50°	908.9	542.3	38.3	25.6	17.2	10.9	7.8	6.6	6.0	6.0	5.7
52.5°	988.2	578.2	35.6	24.4	14.8	9.0	6.0	4.8	4.5	4.2	4.5
55°	1052.4	599.9	33.8	24.1	12.4	7.2	4.5	3.6	3.3	3.0	3.0
57.5°	1094.6	611.6	31.4	22.3	9.9	5.4	3.3	2.4	2.1	2.1	2.1
60°	1127.7	618.3	28.3	17.8	7.8	3.9	2.1	1.5	1.5	1.5	1.5
62.5°	1154.0	622.8	23.8	13.9	6.0	2.7	1.5	0.9	0.9	0.9	0.9
65°	1231.7	649.3	18.4	10.6	4.5	1.8	0.9	0.6	0.3	0.6	0.6
67.5°	1326.4	660.5	13.6	7.5	3.3	1.2	0.6	0.3	0.3	0.3	0.6
70°	1289.0	575.5	9.9	5.4	2.4	0.9	0.6	0.3	0.3	0.3	0.6
72.5°	1083.1	420.5	7.2	3.9	1.8	0.9	0.6	0.3	0.3	0.6	0.6
75°	779.0	237.2	5.7	2.7	1.5	0.9	0.6	0.6	0.6	0.9	0.9
77.5°	366.6	88.3	5.7	2.4	1.5	0.9	0.6	0.6	0.9	1.2	0.6
80°	88.9	22.0	5.7	2.1	1.5	0.9	0.9	0.9	1.2	1.2	0.6
82.5°	29.8	9.3	4.2	1.8	1.5	0.9	0.9	1.2	1.2	1.5	0.9
85°	18.1	6.0	3.0	2.1	1.8	0.9	1.2	1.2	1.5	1.8	0.9
87.5°	3.0	2.4	2.1	2.1	1.8	1.2	1.2	1.5	1.5	1.8	1.2
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)