

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: P414859

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414859
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-PA1-30-827-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA 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: 2146 lumens
Efficiency: N/A
Efficacy: 69.2 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): 31
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

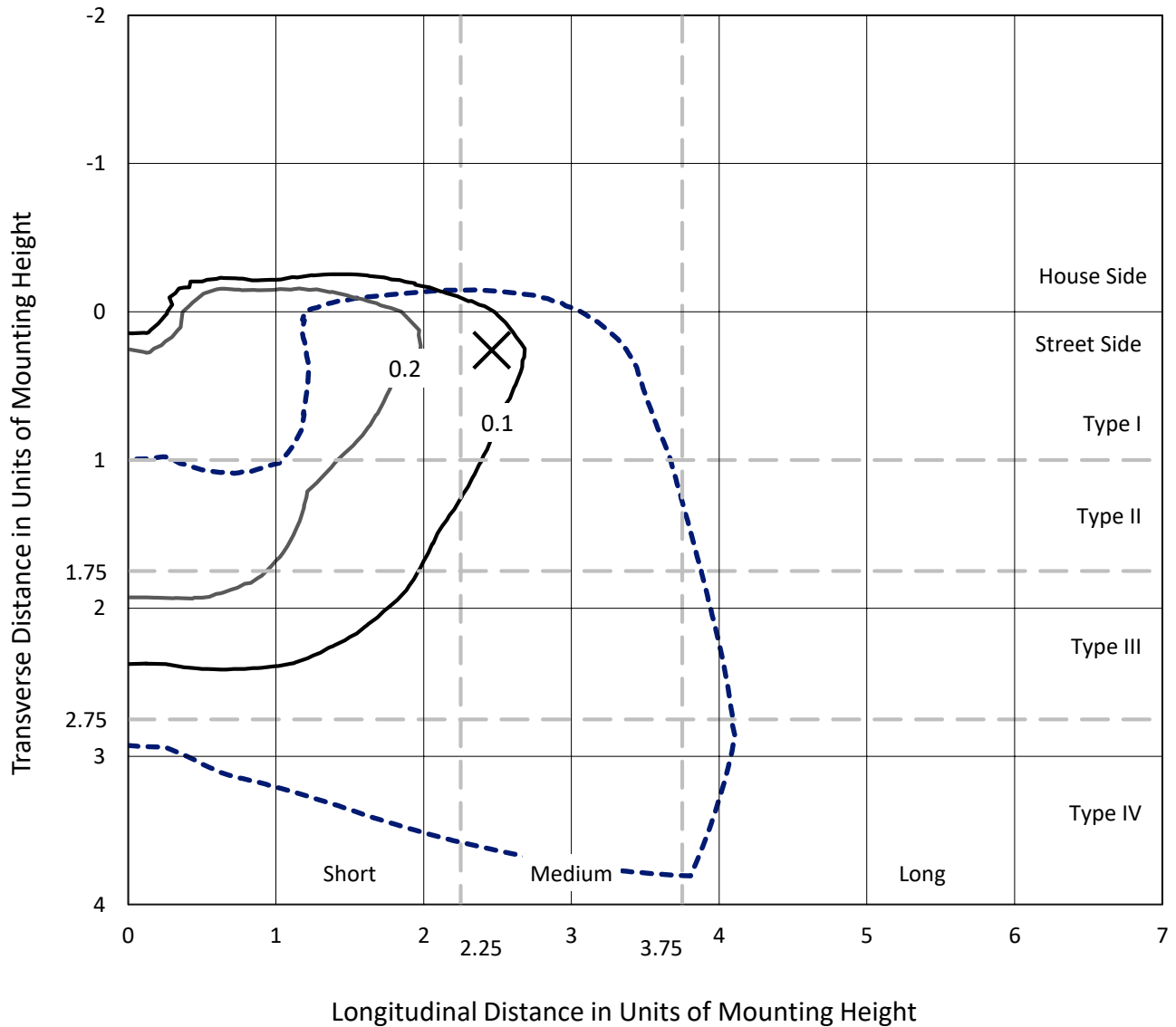


REPORT NUMBER: P414859

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

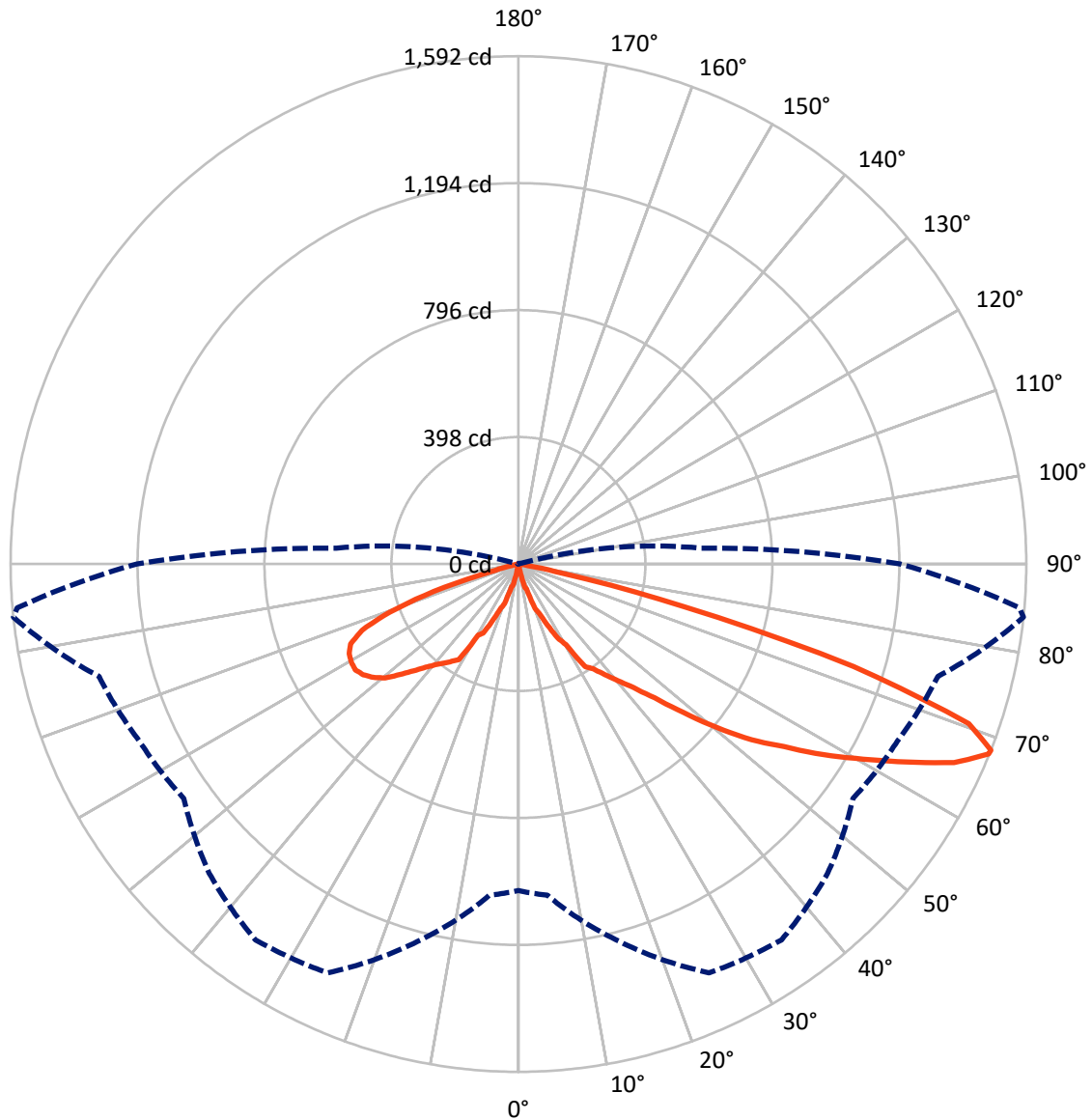
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414859
CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414859

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-HSS

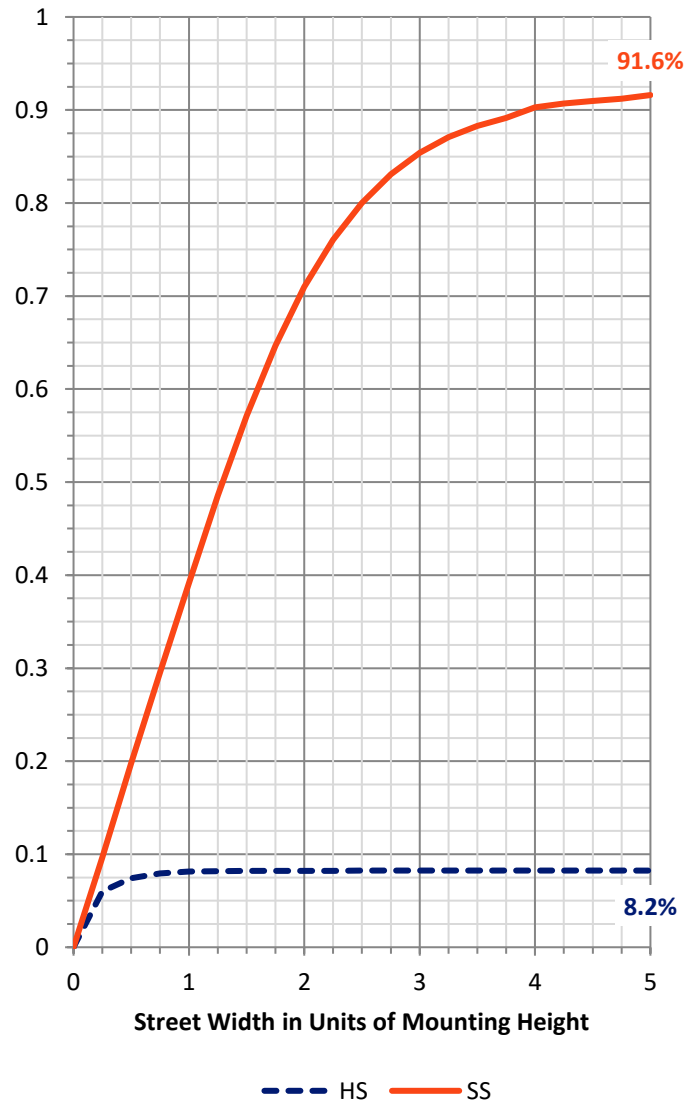
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	178.3	0.0	178.3
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	1967.7	0.0	1967.7
	% Fixture	91.7	0.0	91.7
Total	Lumens	2146.0	0.0	2146.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.1
10°-20°	19.4	0.9
20°-30°	69.6	3.2
30°-40°	148.6	6.9
40°-50°	265.5	12.4
50°-60°	471.1	22.0
60°-70°	677.1	31.6
70°-80°	455.8	21.2
80°-90°	37.4	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°	2146.0	100.0
0°-180°	2146.0	100.0



REPORT NUMBER: P414859

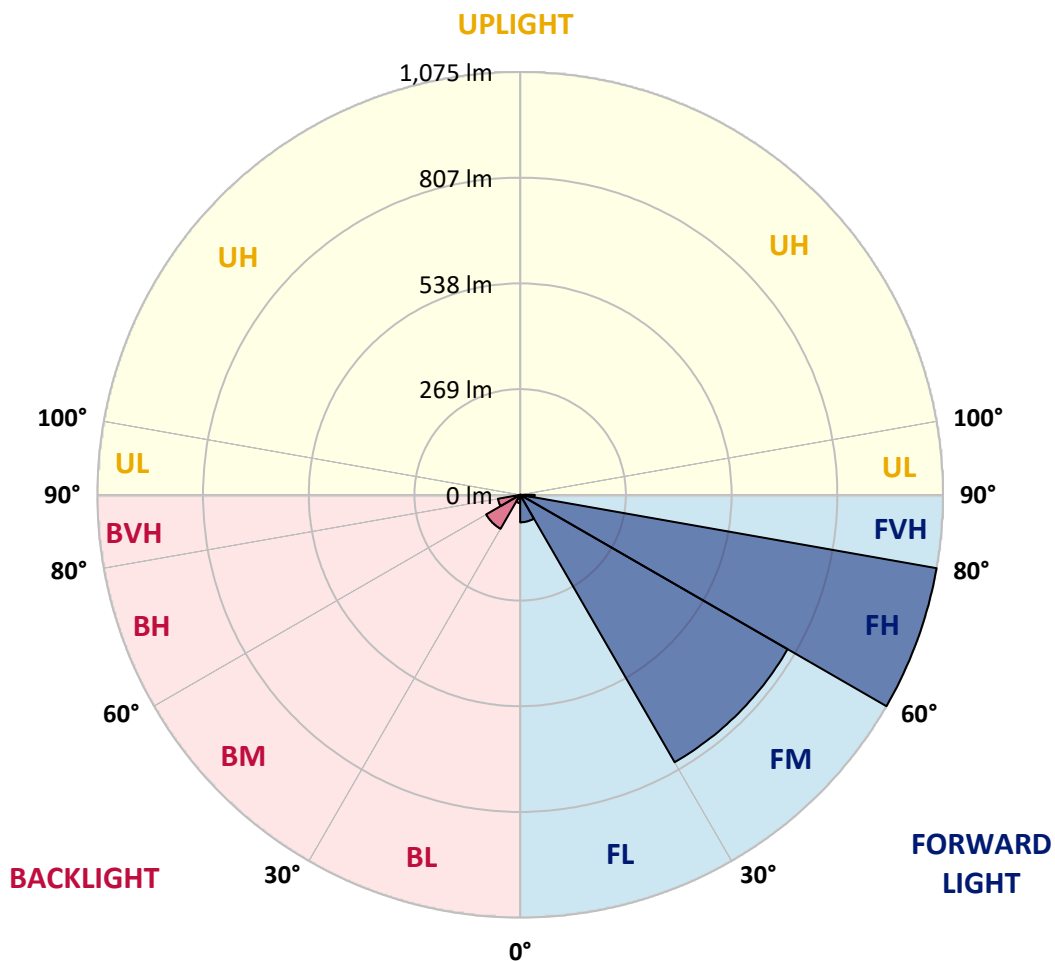
CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	70.0	3.3			
FM	(30°-60°)	785.4	36.6			
FH	(60°-80°)	1075.5	50.1			G1/1800
FVH	(80°-90°)	36.9	1.7			G1/100
BL	(0°-30°)	20.5	1.0	B0/110		
BM	(30°-60°)	99.9	4.7	B0/220		
BH	(60°-80°)	57.4	2.7	B0/110		G0/110
BVH	(80°-90°)	0.6	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: P414859

CATALOG NUMBER: LXF.LXT-PA1-30-827-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	0.6	0.6	0.9	0.9	0.9	0.9
5°	16.5	14.0	13.7	12.1	8.7	2.2	0.6	0.9	0.9	0.9	0.9
7.5°	59.1	58.1	57.5	56.3	55.0	42.3	8.4	0.9	0.9	0.9	0.9
10°	63.4	62.2	61.2	59.7	57.8	55.6	53.1	6.8	0.9	0.9	0.9
12.5°	131.2	129.6	89.8	74.3	61.2	58.1	56.3	29.2	27.0	30.8	35.1
15°	138.0	136.8	133.3	129.0	115.9	65.6	88.3	109.7	71.5	76.1	76.1
17.5°	153.9	151.4	139.6	133.0	127.7	140.5	129.0	117.5	77.1	81.7	81.7
20°	215.4	214.8	211.4	147.6	134.3	177.8	140.5	125.3	142.4	148.6	141.4
22.5°	217.3	216.6	214.1	205.8	211.0	182.8	201.7	189.3	194.3	169.7	168.5
25°	288.1	285.6	228.8	209.5	238.1	194.9	239.9	208.9	205.1	212.0	212.0
27.5°	293.4	292.8	290.9	278.8	244.3	276.0	247.1	270.4	275.7	262.0	269.2
30°	334.1	313.6	302.7	295.6	287.8	289.7	288.4	311.1	287.2	292.8	289.7
32.5°	388.8	387.0	381.4	315.2	319.8	302.4	336.3	332.9	371.4	383.5	381.7
35°	465.0	435.1	398.8	364.6	331.9	359.3	347.5	387.3	396.9	402.5	414.0
37.5°	531.8	522.2	488.3	386.6	367.7	369.9	397.5	414.9	429.2	439.2	444.1
40°	593.0	585.9	563.2	451.9	387.0	401.6	424.3	433.9	462.2	480.5	480.8
42.5°	683.8	688.1	667.0	511.0	439.2	446.0	465.3	466.8	492.0	528.7	529.9
45°	797.2	791.3	786.0	596.8	488.9	484.6	511.3	507.6	546.4	598.0	604.2
47.5°	906.6	898.2	883.9	695.6	557.9	527.8	565.1	568.2	628.8	694.7	697.2
50°	991.2	988.1	973.8	810.6	649.6	587.4	624.7	661.4	725.7	805.0	810.3
52.5°	1084.4	1077.3	1052.1	918.4	767.4	677.3	696.2	760.6	828.0	915.0	914.4
55°	1146.6	1147.5	1123.6	1028.5	874.3	778.9	786.4	885.2	921.2	1010.1	1016.7
57.5°	1229.3	1222.4	1228.9	1157.8	1019.2	882.1	899.5	985.0	1017.3	1127.0	1131.4
60°	1290.8	1293.3	1325.6	1277.1	1131.4	987.1	1002.1	1066.4	1113.0	1241.4	1255.1
62.5°	1293.0	1306.3	1393.4	1396.8	1252.9	1100.9	1091.3	1149.7	1190.7	1365.7	1382.2
65°	1174.6	1182.6	1378.8	1428.5	1365.7	1212.5	1176.1	1219.9	1267.5	1500.3	1503.4
67.5°	1055.8	1058.3	1247.6	1419.2	1433.5	1346.4	1266.6	1296.7	1342.7	1588.9	1578.0
68°	1023.5	1042.2	1224.9	1413.9	1437.8	1370.7	1280.2	1311.3	1361.0	1591.7	1576.4
70°	927.8	947.7	1115.8	1354.8	1435.6	1462.1	1355.1	1359.5	1372.5	1497.8	1449.0
72.5°	623.8	637.2	883.0	1153.1	1389.0	1568.4	1438.7	1330.9	1231.4	1098.1	1054.9
75°	239.9	241.5	445.1	792.6	1201.0	1515.2	1350.5	1122.0	836.4	534.6	502.0
77.5°	89.5	88.0	129.0	367.4	762.4	1177.4	1008.3	687.8	348.4	140.2	137.1
80°	31.7	32.6	50.0	110.6	309.9	687.8	561.3	280.0	102.6	31.1	28.6
82.5°	12.4	13.4	25.5	52.5	133.0	288.7	239.6	119.0	60.0	11.8	11.2
85°	2.8	3.1	9.9	26.1	50.7	83.6	84.2	72.7	49.7	5.6	5.3
87.5°	0.3	0.6	2.8	3.4	4.0	2.2	7.1	7.5	13.7	2.2	2.2
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: P414859

CATALOG NUMBER: LXF.LXT-PA1-30-827-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°	0.9	0.9	0.9	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0
5°	0.9	0.9	0.9	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0
7.5°	0.9	0.9	0.9	0.6	0.3	0.3	0.0	27.4	28.3	29.2	29.5
10°	0.9	0.9	0.9	0.6	0.6	28.6	33.6	32.3	30.1	29.2	29.5
12.5°	33.9	32.9	10.6	2.2	26.1	31.4	25.8	21.4	19.3	17.7	17.7
15°	74.0	71.2	59.4	45.4	42.6	24.2	16.5	14.0	20.5	24.9	24.9
17.5°	78.6	75.2	66.5	65.9	43.2	21.1	17.1	22.1	23.3	24.6	24.6
20°	152.3	136.4	93.9	63.1	31.7	25.8	21.4	21.1	22.1	23.6	23.9
22.5°	163.2	155.4	118.1	76.5	28.9	28.0	24.9	23.6	31.7	34.5	34.5
25°	207.3	199.9	127.1	60.9	35.1	28.6	31.4	29.5	30.1	32.6	32.6
27.5°	265.1	251.4	166.9	51.3	32.6	31.1	32.0	29.5	34.8	41.3	41.3
30°	293.7	266.4	159.8	45.4	33.3	33.9	30.8	36.1	36.1	38.5	38.9
32.5°	391.9	373.0	180.0	38.2	33.3	31.1	33.6	34.2	33.6	43.5	43.8
35°	417.1	394.4	154.2	39.8	31.7	30.1	30.1	33.9	36.1	38.2	38.5
37.5°	447.9	418.4	121.2	37.3	32.9	29.2	27.7	28.9	31.7	37.3	37.6
40°	487.0	444.5	93.2	35.1	30.8	26.7	25.2	26.4	26.4	28.0	28.3
42.5°	539.9	475.5	69.0	33.6	28.9	24.6	22.1	20.5	19.6	19.3	19.6
45°	612.3	515.3	51.6	32.0	27.7	21.8	18.3	14.9	12.4	12.4	12.7
47.5°	698.4	559.8	42.0	29.5	25.8	18.6	14.0	9.6	7.8	8.1	8.4
50°	790.1	606.7	36.7	27.4	23.6	15.2	9.3	5.9	5.0	5.3	5.6
52.5°	874.9	637.2	34.5	25.2	20.8	11.8	5.9	4.0	3.7	3.7	4.0
55°	960.1	660.2	32.6	23.0	16.8	7.8	3.4	3.1	3.1	2.8	2.8
57.5°	1039.4	673.8	29.5	19.9	11.8	4.7	2.5	2.5	2.2	2.2	2.2
60°	1112.1	672.3	23.6	14.9	7.5	2.8	1.9	1.9	1.6	1.6	1.6
62.5°	1186.4	665.4	16.8	10.6	5.0	1.9	1.2	1.2	0.9	0.6	0.9
65°	1231.1	646.2	11.2	7.5	3.1	1.2	0.9	0.6	0.3	0.0	0.3
67.5°	1212.5	590.2	8.4	5.6	2.2	0.9	0.6	0.3	0.0	0.0	0.0
68°	1195.4	572.5	7.8	5.3	1.9	0.9	0.6	0.3	0.0	0.0	0.0
70°	1060.8	477.1	6.8	4.4	1.6	0.9	0.6	0.3	0.0	0.0	0.0
72.5°	707.7	309.9	5.6	3.4	1.2	0.6	0.6	0.3	0.0	0.0	0.0
75°	326.4	99.5	4.4	2.8	0.9	0.6	0.6	0.3	0.0	0.0	0.0
77.5°	87.0	21.1	2.8	1.9	0.9	0.6	0.6	0.3	0.3	0.3	0.0
80°	20.8	6.5	1.9	1.6	0.9	0.6	0.6	0.3	0.3	0.3	0.0
82.5°	7.8	3.4	1.2	1.2	0.9	0.6	0.6	0.3	0.6	0.6	0.0
85°	3.4	2.2	1.2	1.2	0.9	0.6	0.6	0.6	0.6	0.9	0.0
87.5°	1.6	1.6	1.2	1.2	1.2	0.6	0.9	0.9	0.9	0.9	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)