

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: P414893

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-830-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2271 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B0 - U0 - G1

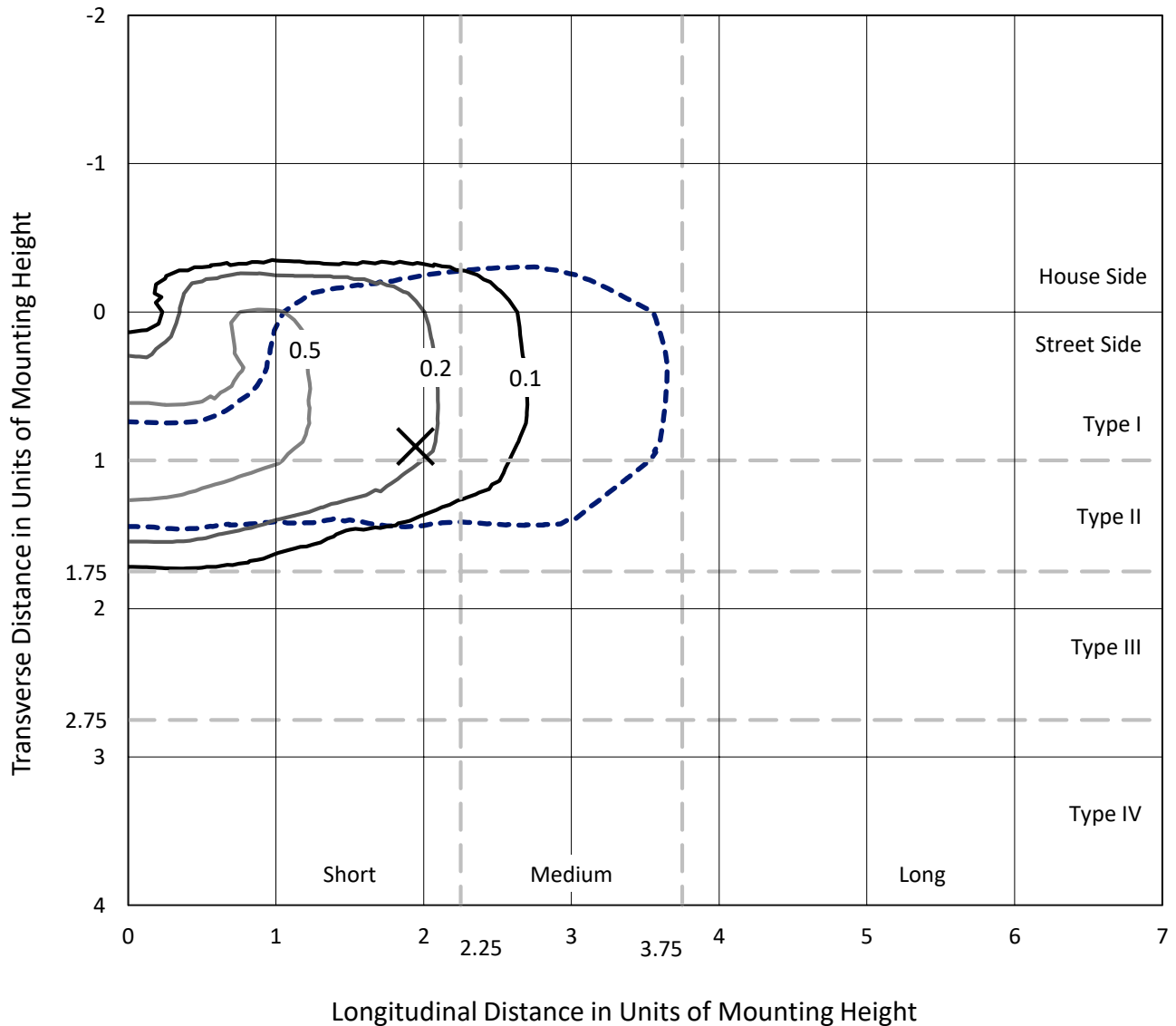
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

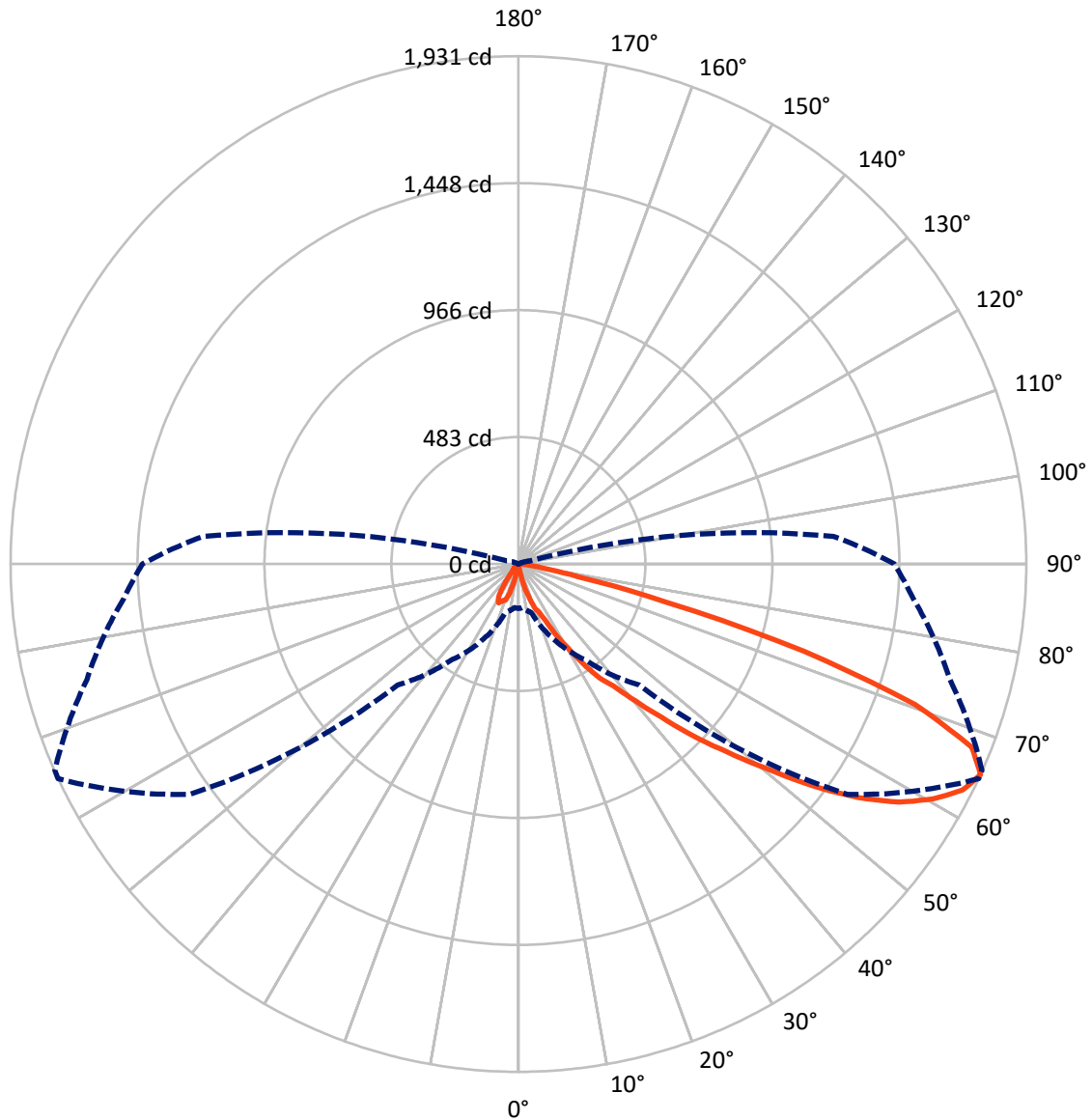
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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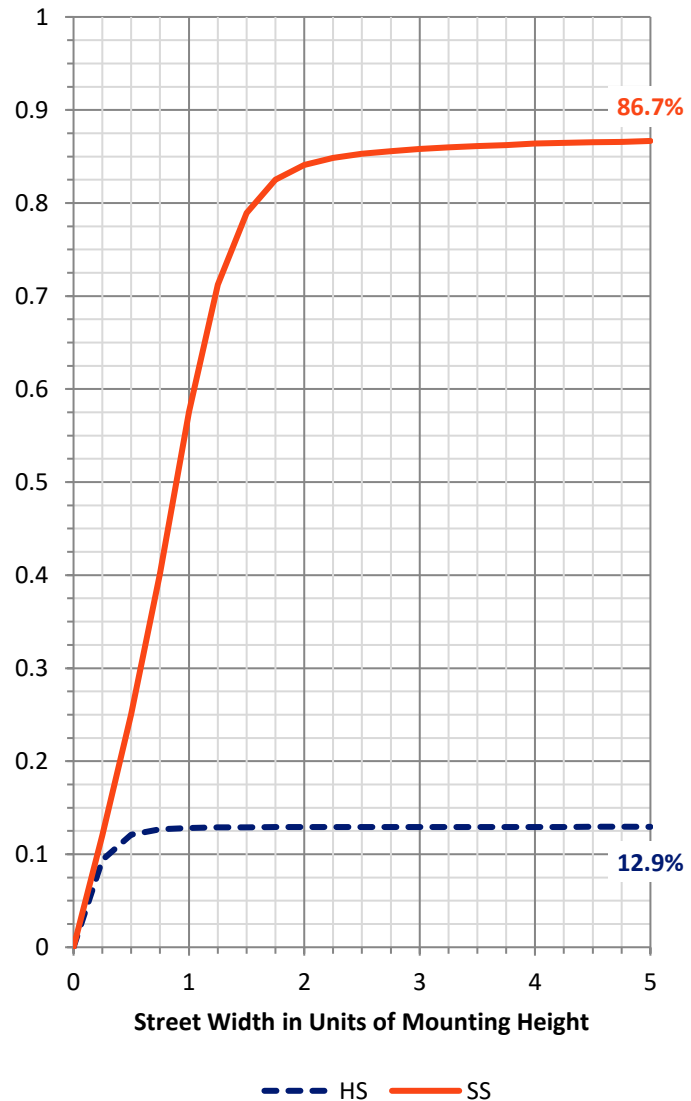
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	298.0	0.0	298.0
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	1973.0	0.0	1973.0
	% Fixture	86.9	0.0	86.9
Total	Lumens	2271.0	0.0	2271.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	23.6	1.0
20°-30°	80.1	3.5
30°-40°	225.3	9.9
40°-50°	500.0	22.0
50°-60°	670.4	29.5
60°-70°	534.1	23.5
70°-80°	220.0	9.7
80°-90°	15.7	0.7
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°	2271.0	100.0
0°-180°	2271.0	100.0



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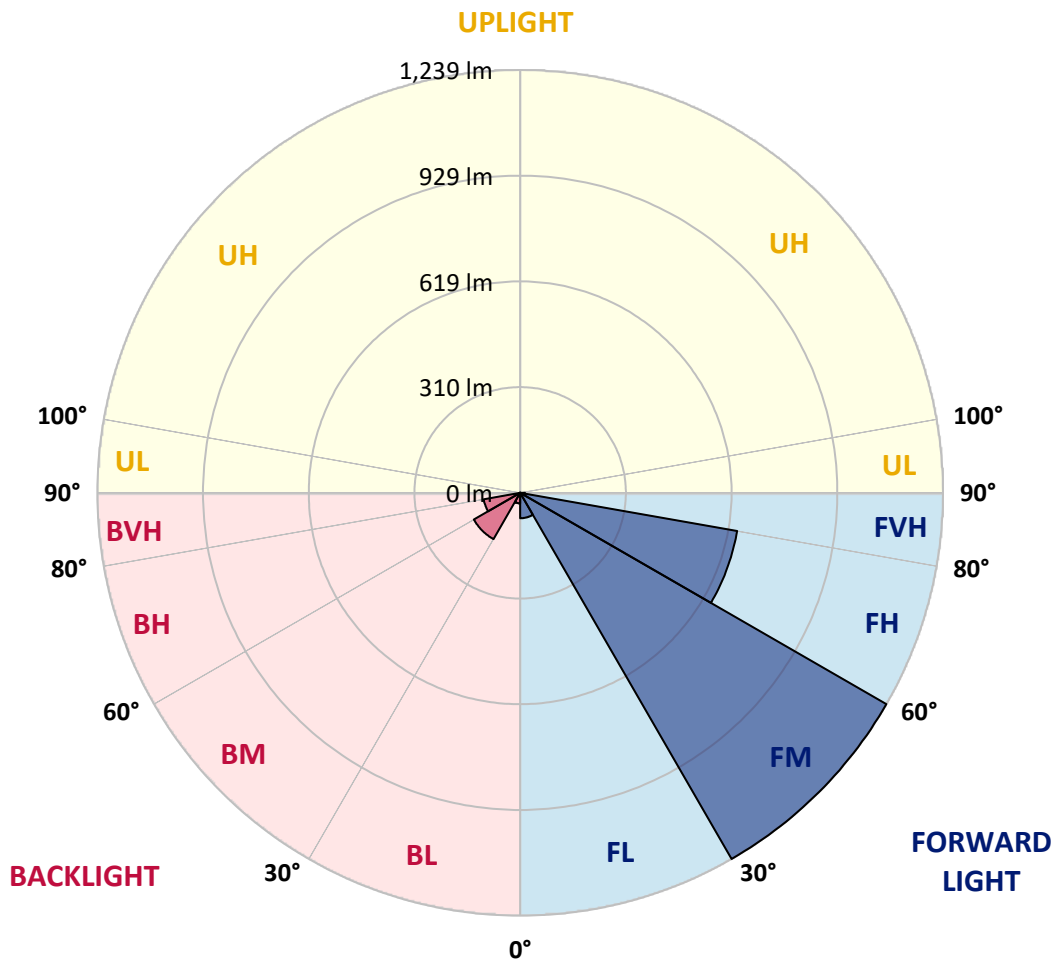
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	74.5	3.3			
FM (30°-60°)	1239.0	54.6			
FH (60°-80°)	645.6	28.4			G0/660
FVH (80°-90°)	14.0	0.6			G1/100
BL (0°-30°)	31.0	1.4	B0/110		
BM (30°-60°)	156.7	6.9	B0/220		
BH (60°-80°)	108.5	4.8	B0/110		G0/110
BVH (80°-90°)	1.7	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	0.3	0.3	0.3	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.7
5°	9.7	9.1	6.7	3.7	2.0	1.3	1.0	0.7	0.7	0.7	0.7
7.5°	67.9	67.5	67.5	68.2	68.5	24.5	2.4	1.0	1.0	0.7	0.7
10°	65.2	64.8	64.8	65.8	66.8	67.2	64.5	1.7	1.3	0.7	0.7
12.5°	121.6	119.6	76.3	66.8	65.2	65.8	66.2	57.1	26.5	41.0	50.7
15°	121.9	120.9	121.9	123.6	98.8	68.9	100.4	98.1	98.1	72.2	99.1
17.5°	123.3	121.9	122.6	125.0	121.3	142.4	134.4	139.1	139.1	102.8	109.5
20°	182.1	181.7	184.4	135.0	150.8	176.7	146.5	179.7	183.1	152.8	158.2
22.5°	185.8	185.4	189.8	189.1	185.1	189.8	214.3	196.9	197.9	231.1	208.9
25°	258.7	252.6	204.9	201.2	243.2	225.4	257.0	237.2	235.1	279.5	265.0
27.5°	296.0	293.3	296.3	287.2	257.7	276.5	278.1	305.4	291.6	320.1	326.5
30°	359.8	361.5	346.3	331.2	337.6	320.8	334.6	371.2	369.5	362.8	411.8
32.5°	574.4	557.0	527.4	410.5	384.6	372.5	410.8	452.2	435.4	460.2	509.3
35°	760.2	721.2	672.2	588.9	477.7	445.4	492.1	532.8	522.4	572.4	569.4
37.5°	1069.9	1051.8	966.8	754.2	643.3	555.6	578.1	587.9	600.0	657.1	655.7
40°	1253.0	1232.2	1172.1	1003.8	811.9	689.3	679.6	684.6	688.7	746.1	750.1
42.5°	1406.9	1397.5	1339.0	1177.8	1020.9	906.0	815.0	795.1	802.5	860.6	852.9
45°	1511.3	1500.3	1447.5	1335.0	1205.0	1145.9	972.2	933.5	935.6	967.8	961.8
47.5°	1534.2	1521.1	1497.6	1435.1	1391.1	1343.0	1169.0	1067.2	1090.1	1091.8	1071.3
50°	1452.9	1436.8	1456.6	1441.8	1509.0	1533.2	1368.2	1223.1	1262.4	1226.5	1169.7
52.5°	1251.7	1256.7	1317.8	1362.5	1513.4	1666.2	1582.2	1401.8	1428.4	1337.7	1262.8
55°	994.0	1006.4	1107.6	1189.5	1410.6	1703.5	1737.1	1567.4	1577.9	1455.9	1338.0
57.5°	732.0	748.8	873.1	964.4	1211.4	1623.2	1813.0	1708.2	1728.7	1541.2	1390.4
60°	450.5	465.9	606.7	745.8	929.8	1392.4	1823.1	1813.7	1837.2	1601.4	1443.1
62.5°	274.5	287.6	349.0	518.0	668.2	1052.5	1739.1	1894.6	1906.4	1662.2	1481.1
65°	169.0	166.6	191.5	314.8	445.8	650.7	1526.8	1931.3	1929.9	1698.8	1506.6
67.5°	111.9	113.9	123.3	173.0	303.7	351.7	1094.8	1859.4	1852.6	1716.6	1496.6
70°	99.1	99.8	109.2	122.6	218.7	204.9	552.6	1600.7	1591.3	1668.6	1433.7
72.5°	77.6	80.0	95.4	111.2	157.9	150.2	208.3	1133.8	1145.9	1418.3	1261.7
75°	55.1	56.8	72.2	97.1	117.9	114.9	117.6	584.5	620.1	941.6	924.5
77.5°	34.6	35.9	46.7	71.9	100.1	84.7	82.3	229.4	257.0	460.6	462.6
80°	23.9	24.2	28.9	48.4	71.9	69.5	55.8	91.7	92.7	167.0	160.2
82.5°	14.1	14.1	19.1	29.9	44.0	56.8	35.9	46.0	47.7	61.8	35.3
85°	5.0	5.4	10.4	17.1	24.5	29.9	21.5	25.2	26.2	31.9	16.8
87.5°	0.3	0.7	3.4	5.4	6.7	6.0	7.1	7.7	8.7	10.4	6.0
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	0.7	0.7	1.0	1.0	1.0	0.7	0.3	0.3	0.3	0.3	0.3
5°	0.7	0.7	1.0	1.0	1.0	0.7	0.3	0.3	0.3	0.3	0.3
7.5°	0.7	0.7	1.0	1.0	1.0	0.7	9.4	52.4	54.8	56.4	56.8
10°	2.0	1.3	1.0	1.0	1.0	54.4	56.4	55.1	54.1	53.1	53.4
12.5°	51.4	51.4	46.7	30.2	50.7	55.8	52.7	49.4	46.7	43.7	44.0
15°	98.8	98.1	86.7	74.6	85.3	54.8	45.4	60.1	51.4	45.4	44.3
17.5°	109.8	106.5	93.1	118.9	105.8	62.5	52.4	35.6	25.5	23.2	22.8
20°	158.2	153.9	135.7	144.1	96.7	72.2	31.6	20.2	18.1	21.8	22.5
22.5°	203.6	197.5	169.6	149.2	108.8	44.3	22.2	22.2	21.8	21.2	20.8
25°	261.7	250.9	227.4	156.2	86.3	29.2	24.2	19.8	17.8	16.5	16.5
27.5°	321.5	307.0	260.7	166.3	56.8	27.2	21.5	16.8	17.8	17.1	17.1
30°	408.8	389.0	303.7	155.5	37.0	25.2	18.1	16.5	14.4	13.8	13.4
32.5°	499.2	462.9	346.0	135.4	29.2	21.5	16.8	13.4	13.1	13.4	13.4
35°	557.0	523.0	391.7	98.4	25.5	18.8	13.8	12.4	11.4	11.1	11.1
37.5°	626.2	584.2	395.7	63.8	22.2	15.5	11.8	10.4	10.4	10.7	10.7
40°	709.1	663.1	379.6	39.3	19.1	12.8	10.1	9.4	9.1	9.1	9.1
42.5°	802.2	744.1	357.1	29.6	16.1	10.7	8.4	8.1	7.7	7.7	7.7
45°	901.6	825.7	326.2	24.5	13.4	9.1	7.1	6.7	6.7	6.4	6.4
47.5°	1004.8	913.1	279.5	21.5	11.1	7.4	6.0	5.7	5.4	5.4	5.4
50°	1093.1	993.0	222.4	18.5	9.4	6.4	4.7	4.4	4.4	4.0	4.0
52.5°	1173.4	1060.9	176.4	15.8	7.7	5.0	3.7	3.4	3.4	3.0	3.0
55°	1235.2	1111.3	131.7	13.1	6.4	4.0	2.7	2.4	2.4	2.0	2.4
57.5°	1287.3	1142.2	99.8	10.7	5.4	3.0	2.0	1.7	1.3	1.3	1.3
60°	1336.7	1167.0	73.6	8.4	4.4	2.4	1.3	1.0	0.7	0.7	0.7
62.5°	1389.7	1189.2	58.1	6.7	3.7	1.7	0.7	0.7	0.0	0.0	0.0
65°	1429.7	1203.0	45.0	5.4	3.0	1.0	0.7	0.3	0.0	0.0	0.0
67.5°	1431.1	1185.5	35.3	4.4	2.7	1.0	0.3	0.0	0.0	0.0	0.0
70°	1379.7	1111.3	26.2	4.0	2.4	1.0	0.7	0.3	0.0	0.0	0.0
72.5°	1195.6	872.4	18.8	3.4	2.0	1.0	0.7	0.3	0.3	0.0	0.0
75°	864.7	515.6	13.1	3.0	2.0	1.0	1.0	0.7	0.7	0.7	0.0
77.5°	443.4	214.3	8.7	2.7	1.7	0.7	1.3	1.0	1.0	1.0	0.3
80°	130.0	73.9	5.4	2.4	1.7	0.7	1.3	1.3	1.3	1.3	0.3
82.5°	24.9	14.4	3.4	2.4	1.7	0.7	1.3	1.3	1.3	1.7	0.0
85°	9.7	5.7	2.4	2.0	1.7	0.7	1.3	1.3	1.7	1.7	0.0
87.5°	3.4	2.7	2.0	1.7	1.7	0.7	1.3	1.3	1.3	1.7	0.3
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)