

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: P414165

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414165
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-PA1-20-727-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA 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: 1704 lumens
Efficiency: N/A
Efficacy: 81.1 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

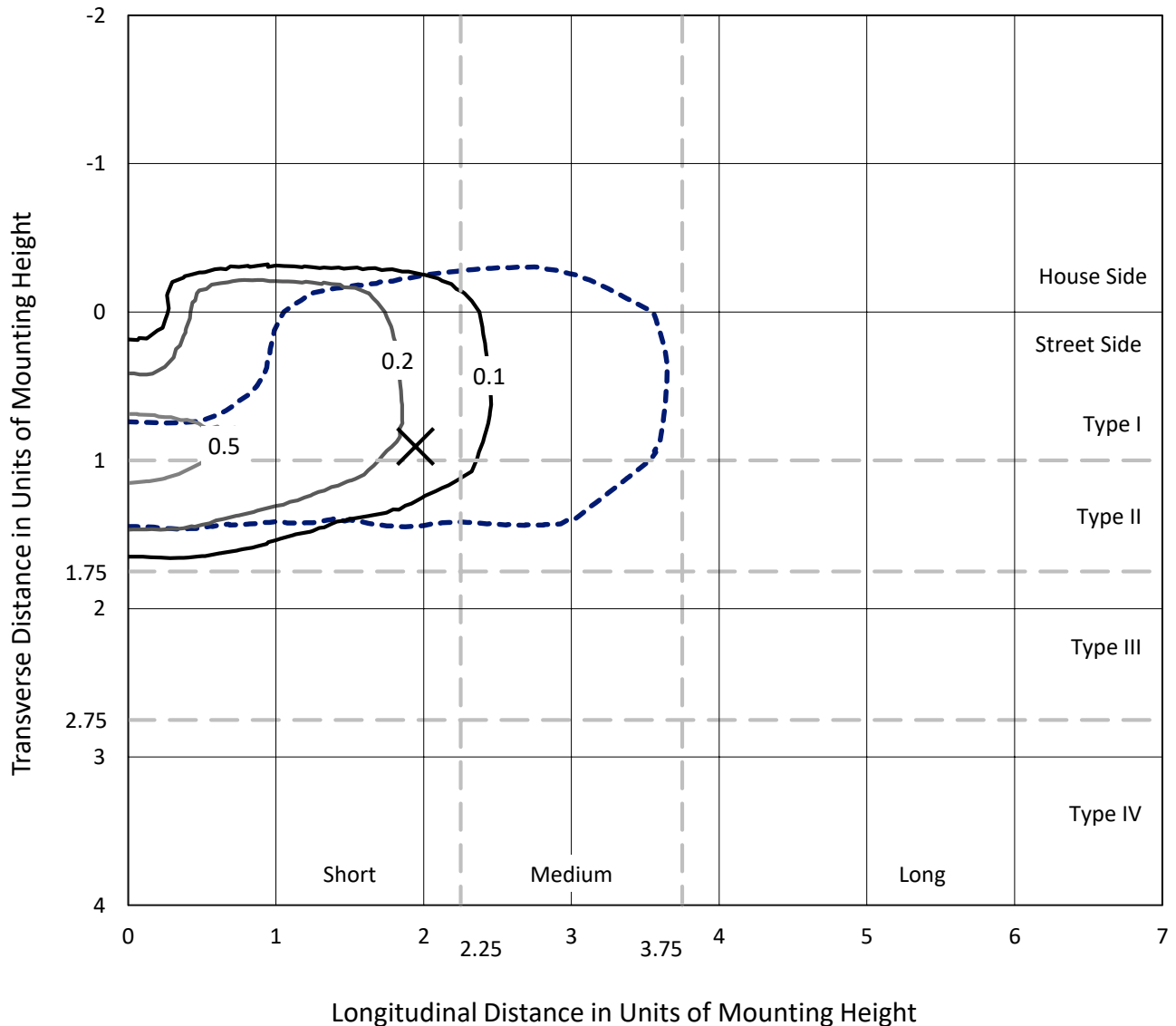
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

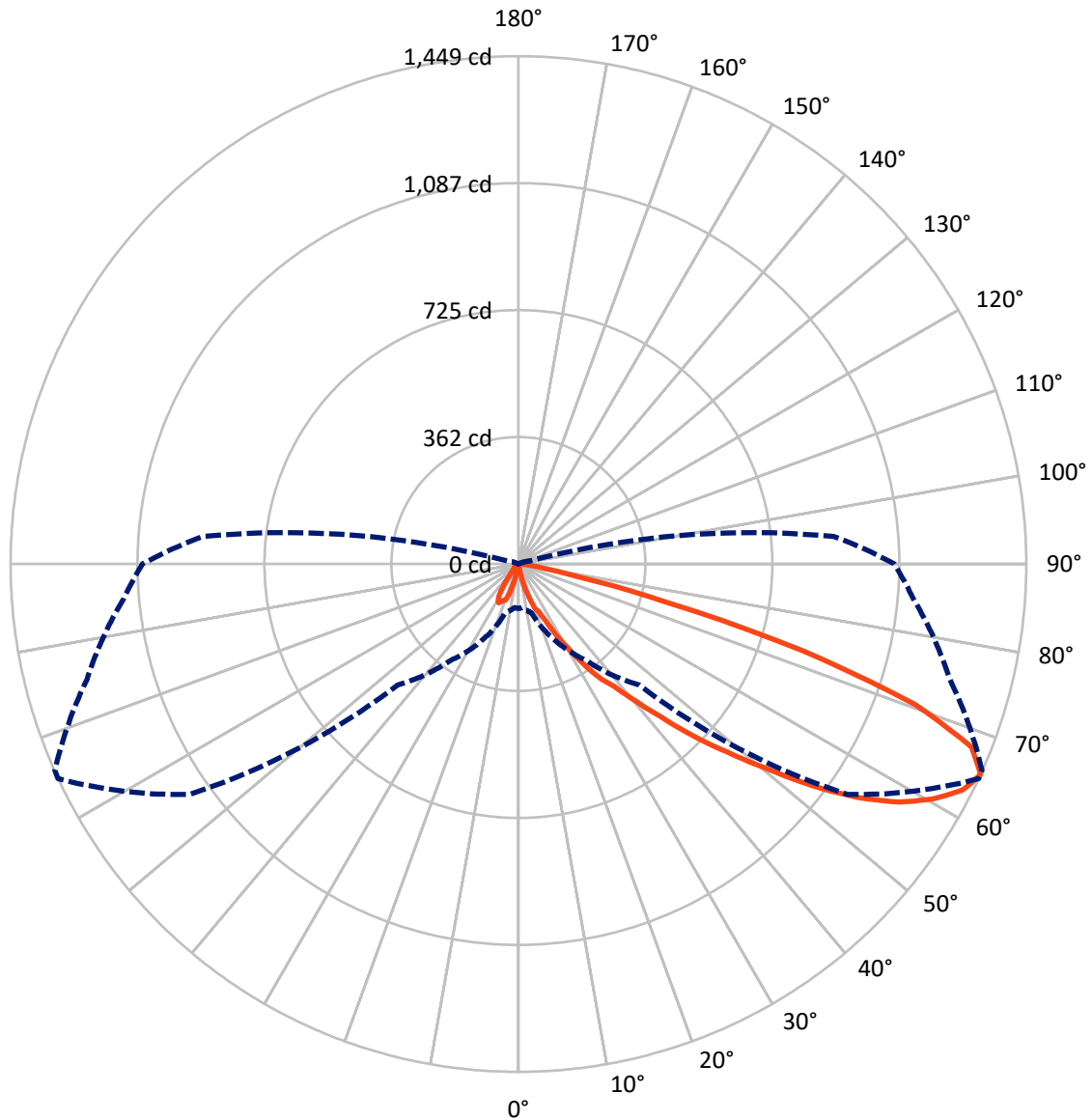
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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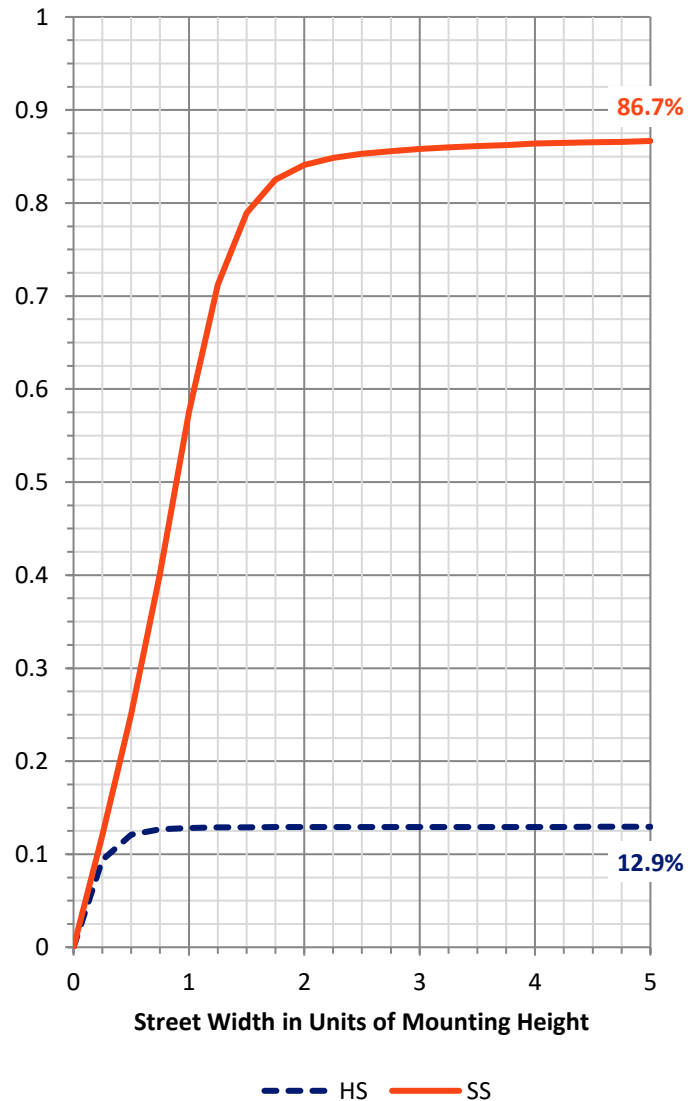
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	223.6	0.0	223.6
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	1480.4	0.0	1480.4
	% Fixture	86.9	0.0	86.9
Total	Lumens	1704.0	0.0	1704.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.1
10°-20°	17.7	1.0
20°-30°	60.1	3.5
30°-40°	169.1	9.9
40°-50°	375.1	22.0
50°-60°	503.0	29.5
60°-70°	400.7	23.5
70°-80°	165.1	9.7
80°-90°	11.8	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°	1704.0	100.0
0°-180°	1704.0	100.0



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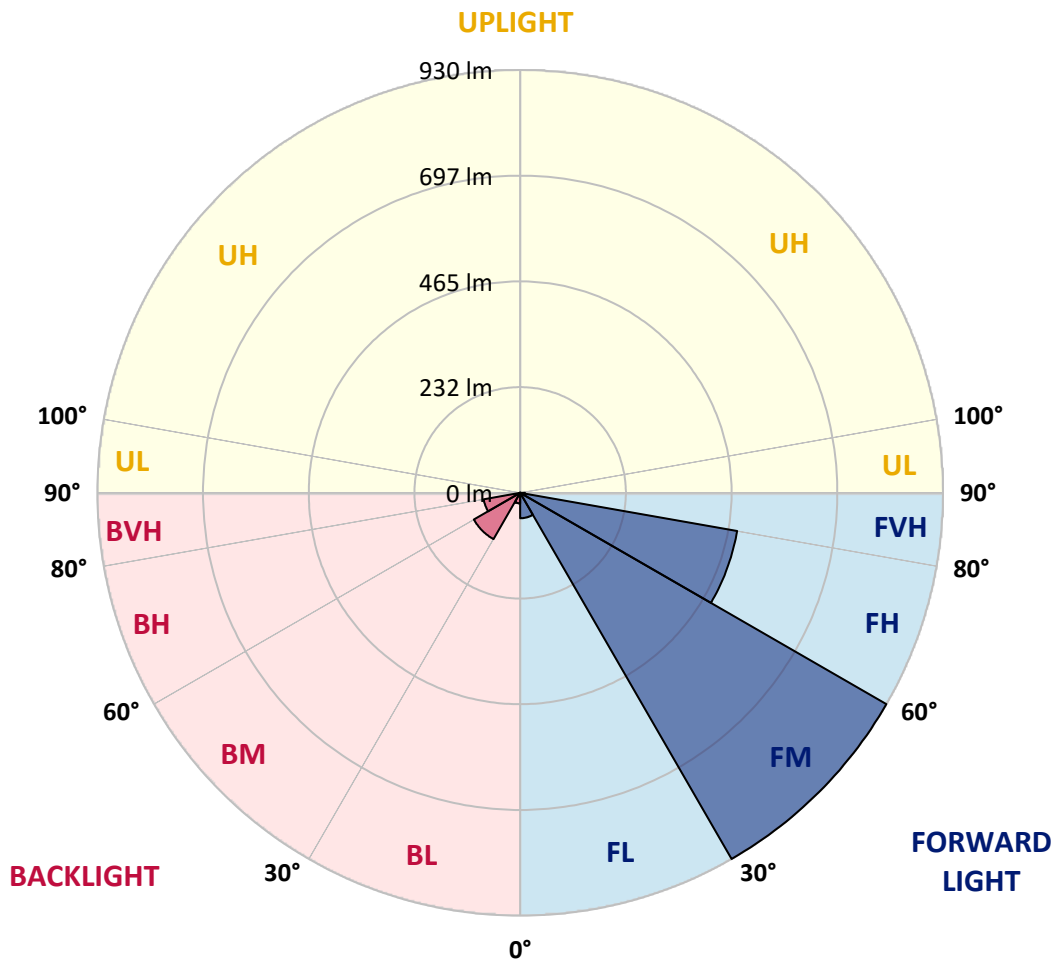
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	55.9	3.3			
FM (30°-60°)	929.6	54.6			
FH (60°-80°)	484.4	28.4			G0/660
FVH (80°-90°)	10.5	0.6			G1/100
BL (0°-30°)	23.3	1.4	B0/110		
BM (30°-60°)	117.6	6.9	B0/220		
BH (60°-80°)	81.5	4.8	B0/110		G0/110
BVH (80°-90°)	1.3	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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.3	0.3	0.3	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.5
5°	7.3	6.8	5.0	2.8	1.5	1.0	0.8	0.5	0.5	0.5	0.5
7.5°	50.9	50.7	50.7	51.2	51.4	18.4	1.8	0.8	0.8	0.5	0.5
10°	48.9	48.6	48.6	49.4	50.2	50.4	48.4	1.3	1.0	0.5	0.5
12.5°	91.2	89.7	57.2	50.2	48.9	49.4	49.7	42.8	19.9	30.8	38.1
15°	91.5	90.7	91.5	92.8	74.1	51.7	75.4	73.6	73.6	54.2	74.4
17.5°	92.5	91.5	92.0	93.8	91.0	106.9	100.8	104.4	104.4	77.1	82.2
20°	136.6	136.4	138.4	101.3	113.2	132.6	109.9	134.9	137.4	114.7	118.7
22.5°	139.4	139.1	142.4	141.9	138.9	142.4	160.8	147.7	148.5	173.4	156.8
25°	194.1	189.5	153.8	151.0	182.5	169.1	192.8	178.0	176.4	209.7	198.9
27.5°	222.1	220.0	222.3	215.5	193.3	207.4	208.7	229.1	218.8	240.2	245.0
30°	270.0	271.2	259.9	248.5	253.3	240.7	251.0	278.5	277.3	272.2	309.0
32.5°	431.0	417.9	395.7	308.0	288.6	279.5	308.3	339.3	326.7	345.3	382.1
35°	570.4	541.2	504.4	441.9	358.4	334.2	369.3	399.8	391.9	429.5	427.2
37.5°	802.8	789.2	725.4	565.9	482.7	416.9	433.8	441.1	450.2	493.0	492.0
40°	940.2	924.5	879.4	753.1	609.2	517.2	509.9	513.7	516.7	559.8	562.8
42.5°	1055.6	1048.6	1004.7	883.7	766.0	679.8	611.5	596.6	602.2	645.8	640.0
45°	1134.0	1125.7	1086.1	1001.7	904.1	859.8	729.5	700.5	702.0	726.2	721.6
47.5°	1151.1	1141.3	1123.7	1076.8	1043.8	1007.7	877.2	800.8	817.9	819.2	803.8
50°	1090.1	1078.0	1092.9	1081.8	1132.2	1150.4	1026.6	917.7	947.2	920.3	877.7
52.5°	939.2	942.9	988.8	1022.3	1135.5	1250.2	1187.2	1051.8	1071.7	1003.7	947.5
55°	745.8	755.2	831.0	892.5	1058.4	1278.2	1303.4	1176.1	1183.9	1092.4	1003.9
57.5°	549.2	561.8	655.1	723.7	908.9	1217.9	1360.4	1281.7	1297.1	1156.4	1043.3
60°	338.0	349.6	455.2	559.6	697.7	1044.8	1367.9	1360.9	1378.5	1201.6	1082.8
62.5°	205.9	215.8	261.9	388.7	501.3	789.7	1304.9	1421.6	1430.4	1247.2	1111.3
65°	126.8	125.0	143.7	236.2	334.5	488.2	1145.6	1449.1	1448.1	1274.7	1130.5
67.5°	83.9	85.4	92.5	129.8	227.9	263.9	821.5	1395.1	1390.1	1288.0	1122.9
70°	74.4	74.9	81.9	92.0	164.1	153.8	414.6	1201.1	1194.0	1252.0	1075.8
72.5°	58.2	60.0	71.6	83.4	118.5	112.7	156.3	850.7	859.8	1064.2	946.7
75°	41.3	42.6	54.2	72.8	88.5	86.2	88.2	438.6	465.3	706.5	693.7
77.5°	26.0	27.0	35.0	53.9	75.1	63.5	61.8	172.2	192.8	345.6	347.1
80°	17.9	18.1	21.7	36.3	53.9	52.2	41.8	68.8	69.6	125.3	120.2
82.5°	10.6	10.6	14.4	22.4	33.0	42.6	27.0	34.5	35.8	46.4	26.5
85°	3.8	4.0	7.8	12.9	18.4	22.4	16.1	18.9	19.7	23.9	12.6
87.5°	0.3	0.5	2.5	4.0	5.0	4.5	5.3	5.8	6.6	7.8	4.5
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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.5	0.5	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3
5°	0.5	0.5	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3
7.5°	0.5	0.5	0.8	0.8	0.8	0.5	7.1	39.3	41.1	42.3	42.6
10°	1.5	1.0	0.8	0.8	0.8	40.8	42.3	41.3	40.6	39.8	40.1
12.5°	38.6	38.6	35.0	22.7	38.1	41.8	39.6	37.1	35.0	32.8	33.0
15°	74.1	73.6	65.0	56.0	64.0	41.1	34.0	45.1	38.6	34.0	33.3
17.5°	82.4	79.9	69.8	89.2	79.4	46.9	39.3	26.7	19.2	17.4	17.1
20°	118.7	115.4	101.8	108.1	72.6	54.2	23.7	15.1	13.6	16.4	16.9
22.5°	152.7	148.2	127.3	111.9	81.7	33.3	16.6	16.6	16.4	15.9	15.6
25°	196.4	188.3	170.6	117.2	64.8	21.9	18.1	14.9	13.4	12.4	12.4
27.5°	241.2	230.4	195.6	124.8	42.6	20.4	16.1	12.6	13.4	12.9	12.9
30°	306.8	291.9	227.9	116.7	27.7	18.9	13.6	12.4	10.8	10.3	10.1
32.5°	374.6	347.3	259.6	101.6	21.9	16.1	12.6	10.1	9.8	10.1	10.1
35°	417.9	392.5	293.9	73.9	19.2	14.1	10.3	9.3	8.6	8.3	8.3
37.5°	469.8	438.3	296.9	47.9	16.6	11.6	8.8	7.8	7.8	8.1	8.1
40°	532.1	497.6	284.8	29.5	14.4	9.6	7.6	7.1	6.8	6.8	6.8
42.5°	601.9	558.3	267.9	22.2	12.1	8.1	6.3	6.0	5.8	5.8	5.8
45°	676.5	619.6	244.7	18.4	10.1	6.8	5.3	5.0	5.0	4.8	4.8
47.5°	753.9	685.1	209.7	16.1	8.3	5.5	4.5	4.3	4.0	4.0	4.0
50°	820.2	745.1	166.9	13.9	7.1	4.8	3.5	3.3	3.3	3.0	3.0
52.5°	880.4	796.0	132.3	11.8	5.8	3.8	2.8	2.5	2.5	2.3	2.3
55°	926.8	833.8	98.8	9.8	4.8	3.0	2.0	1.8	1.8	1.5	1.8
57.5°	965.9	857.0	74.9	8.1	4.0	2.3	1.5	1.3	1.0	1.0	1.0
60°	1002.9	875.6	55.2	6.3	3.3	1.8	1.0	0.8	0.5	0.5	0.5
62.5°	1042.8	892.3	43.6	5.0	2.8	1.3	0.5	0.5	0.0	0.0	0.0
65°	1072.8	902.6	33.8	4.0	2.3	0.8	0.5	0.3	0.0	0.0	0.0
67.5°	1073.8	889.5	26.5	3.3	2.0	0.8	0.3	0.0	0.0	0.0	0.0
70°	1035.2	833.8	19.7	3.0	1.8	0.8	0.5	0.3	0.0	0.0	0.0
72.5°	897.1	654.6	14.1	2.5	1.5	0.8	0.5	0.3	0.3	0.0	0.0
75°	648.8	386.9	9.8	2.3	1.5	0.8	0.8	0.5	0.5	0.5	0.0
77.5°	332.7	160.8	6.6	2.0	1.3	0.5	1.0	0.8	0.8	0.8	0.3
80°	97.5	55.5	4.0	1.8	1.3	0.5	1.0	1.0	1.0	1.0	0.3
82.5°	18.7	10.8	2.5	1.8	1.3	0.5	1.0	1.0	1.0	1.3	0.0
85°	7.3	4.3	1.8	1.5	1.3	0.5	1.0	1.0	1.3	1.3	0.0
87.5°	2.5	2.0	1.5	1.3	1.3	0.5	1.0	1.0	1.0	1.3	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)