

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: P414147

Luminaire Tested: **LXF.LXT-PA1-20-727-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414147
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-PA1-20-727-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 1942 lumens
Efficiency: N/A
Efficacy: 92.5 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

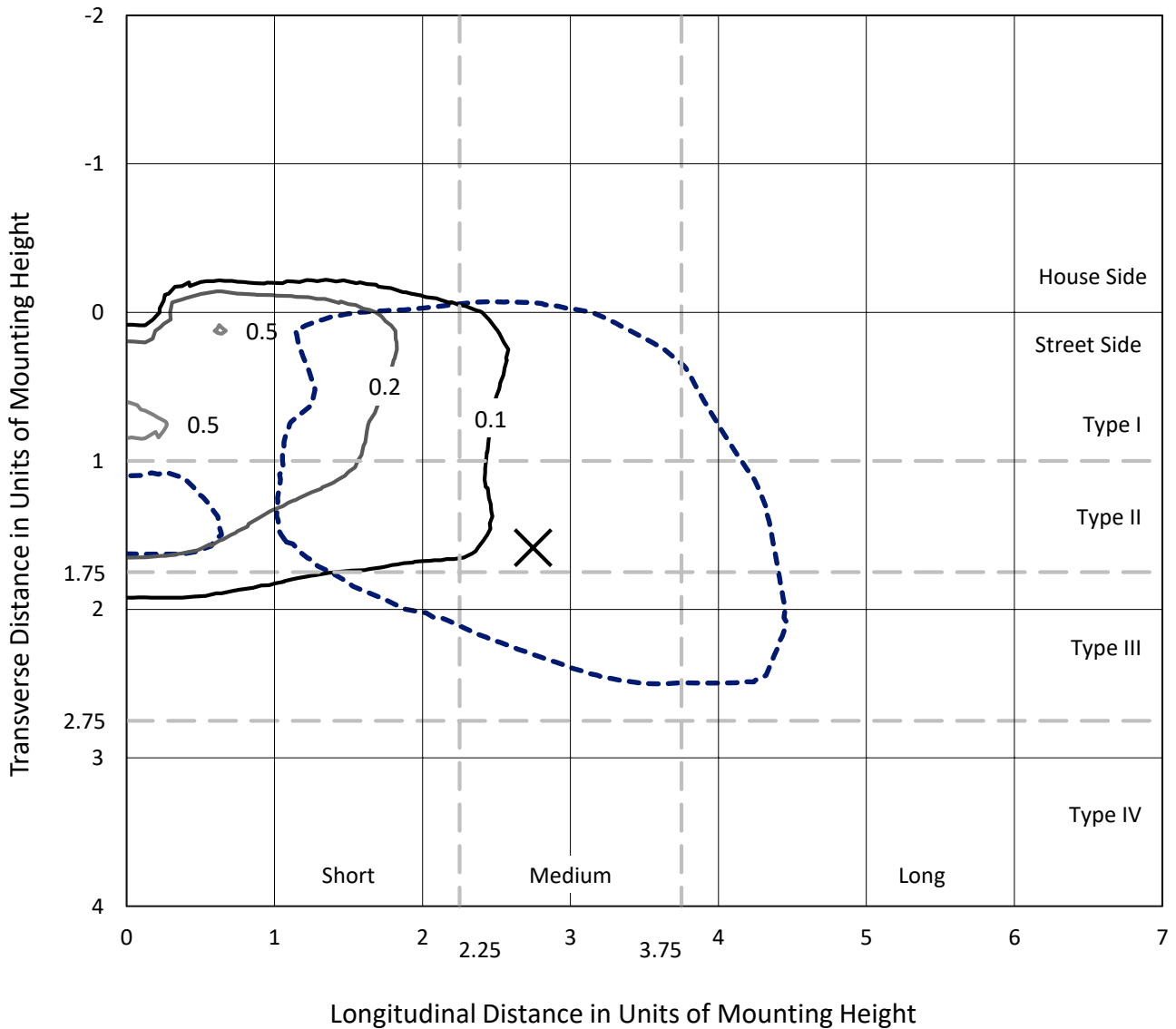


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Iso-Footcandle Lines of Horizontal Illumination

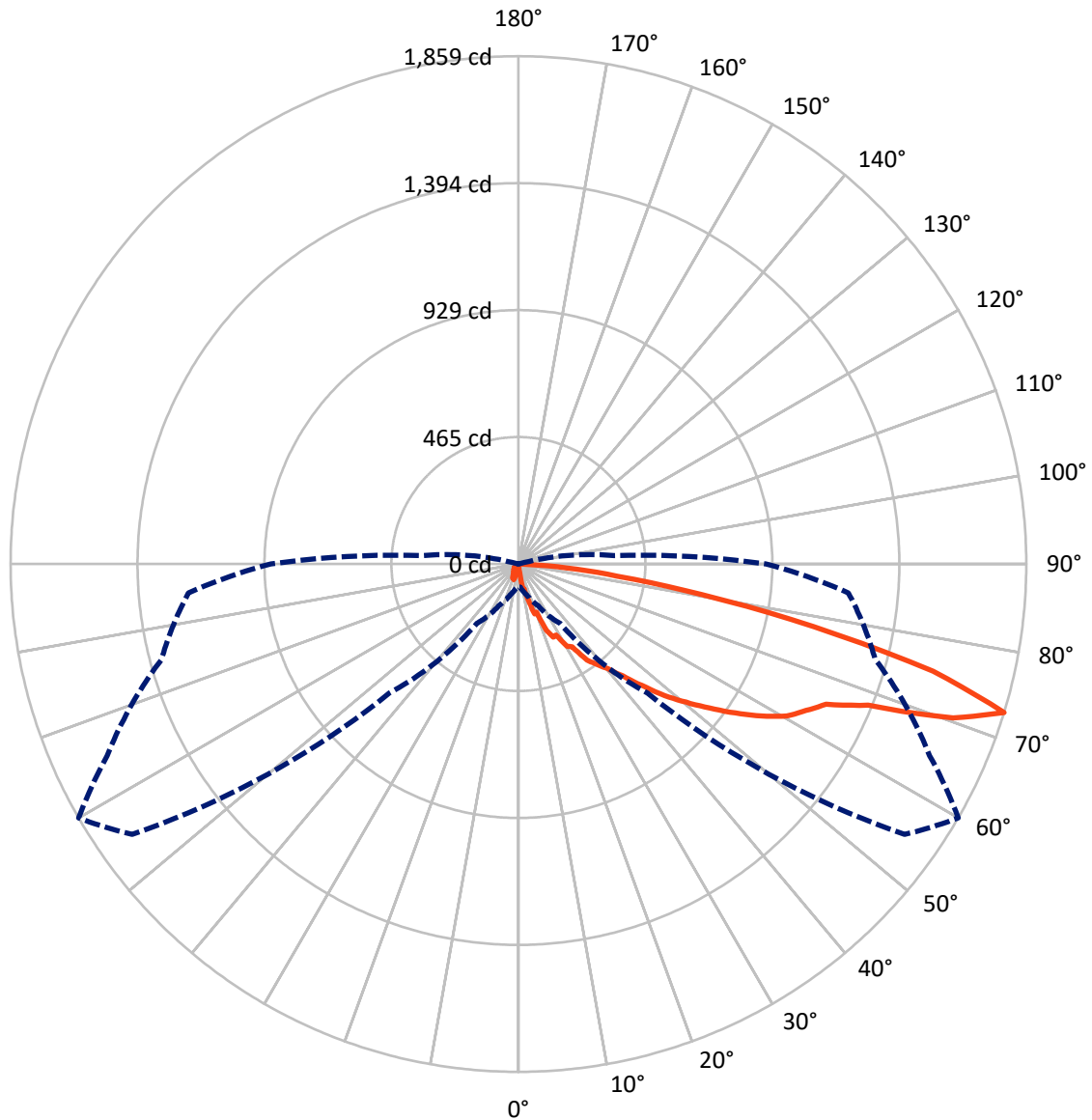
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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



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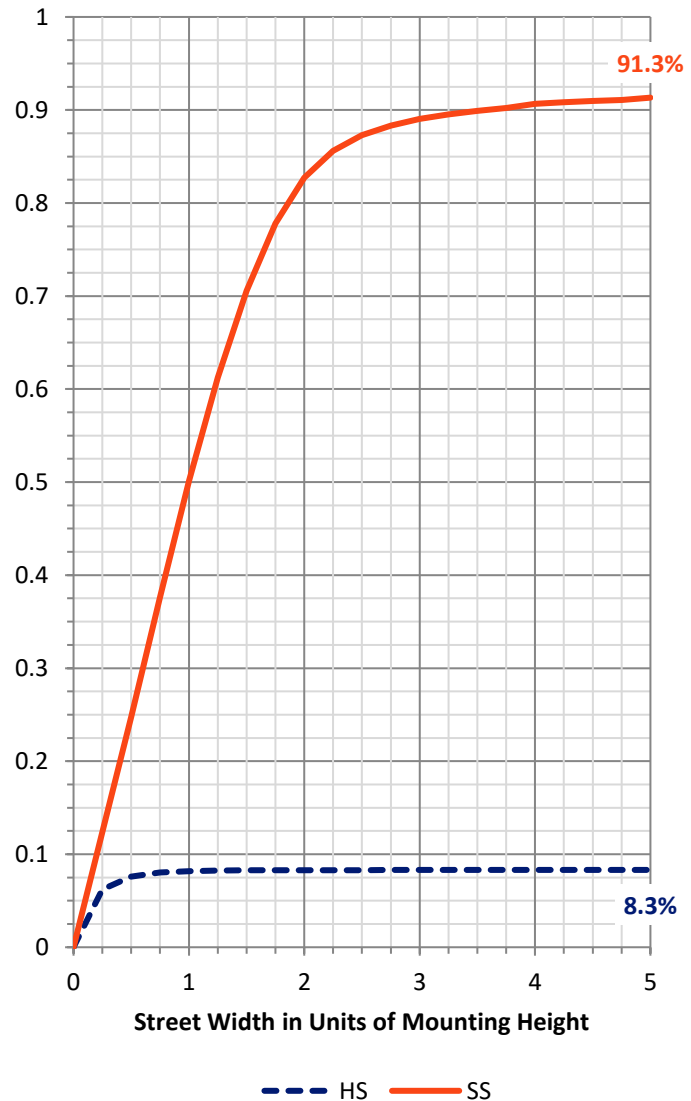
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	162.9	0.0	162.9
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	1779.1	0.0	1779.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	1942.0	0.0	1942.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	27.1	1.4
20°-30°	84.6	4.4
30°-40°	182.4	9.4
40°-50°	310.1	16.0
50°-60°	458.4	23.6
60°-70°	498.6	25.7
70°-80°	339.8	17.5
80°-90°	38.5	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°	1942.0	100.0
0°-180°	1942.0	100.0

Coefficient of Utilization



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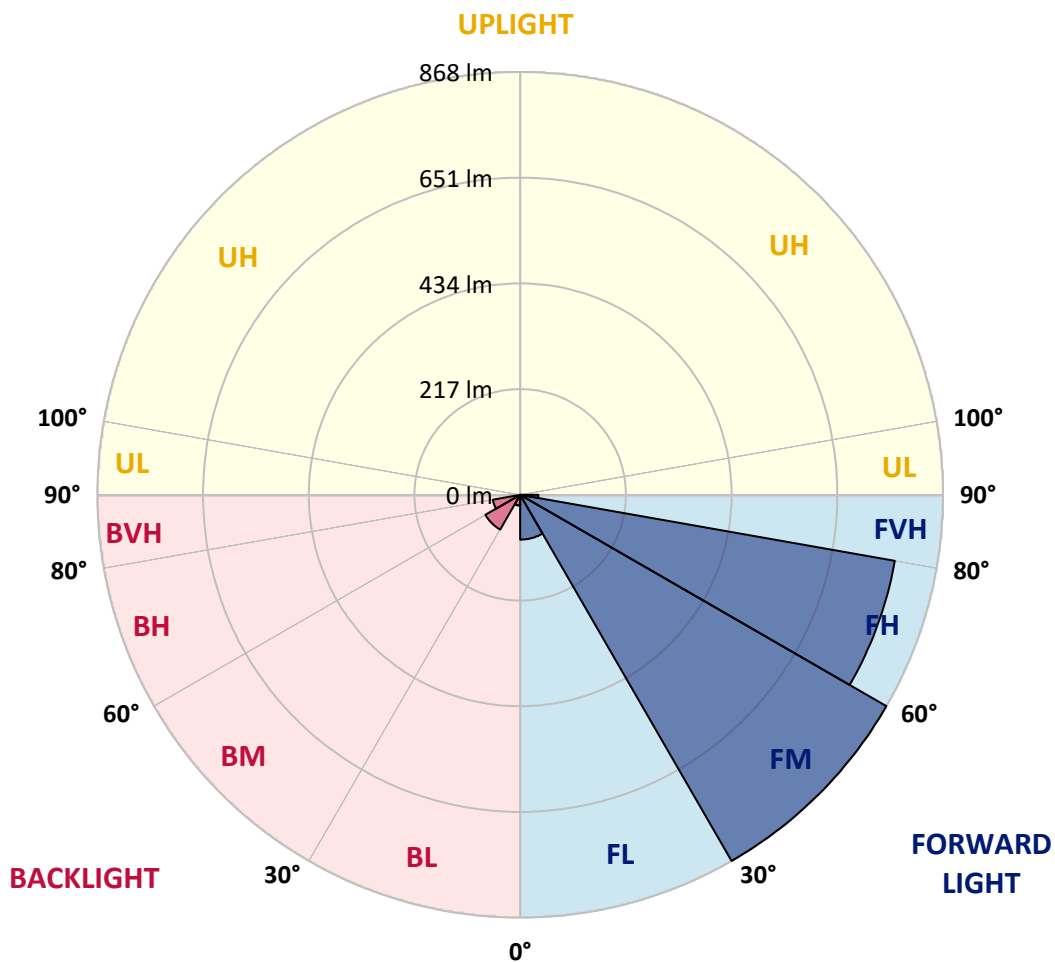
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.0	4.7			
FM	(30°-60°)	868.4	44.7			
FH	(60°-80°)	781.3	40.2			G1/1800
FVH	(80°-90°)	37.4	1.9			G1/100
BL	(0°-30°)	22.3	1.1	B0/110		
BM	(30°-60°)	82.4	4.2	B0/220		
BH	(60°-80°)	57.1	2.9	B0/110		G0/110
BVH	(80°-90°)	1.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	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°	1.8	1.3	1.3	1.0	0.8	0.8	0.8	1.0	1.0	0.8	1.0
5°	99.3	98.1	98.1	98.6	64.0	10.8	6.1	2.5	1.0	1.0	1.0
7.5°	94.3	93.3	93.8	95.0	95.8	97.1	97.1	29.8	9.6	1.0	1.0
10°	96.6	95.8	91.8	91.0	92.5	93.8	94.3	96.6	93.8	2.8	1.0
12.5°	169.9	168.7	168.7	170.9	99.3	90.8	91.8	94.0	81.2	10.6	5.8
15°	162.6	161.6	161.9	164.6	168.4	119.5	94.3	139.7	179.3	161.9	128.6
17.5°	226.9	195.4	168.9	160.9	161.6	166.9	182.8	192.1	182.3	184.3	140.2
20°	231.7	229.9	228.9	230.7	165.4	220.1	232.5	188.6	183.5	197.4	258.7
22.5°	239.8	235.7	227.7	226.7	254.6	216.8	225.1	263.7	270.8	289.2	269.3
25°	324.7	321.7	313.4	238.5	261.2	249.1	283.9	296.7	292.5	304.6	292.0
27.5°	356.7	351.0	333.1	309.6	277.3	293.7	287.2	294.2	323.0	419.5	411.7
30°	500.0	484.6	435.2	356.5	329.8	305.8	334.1	348.9	373.1	429.4	422.0
32.5°	543.3	526.9	491.1	453.8	390.8	346.7	367.6	361.0	378.4	523.9	554.2
35°	669.6	662.1	597.5	493.9	477.8	408.9	386.0	431.1	456.8	531.2	582.4
37.5°	671.1	671.6	667.9	597.8	523.9	459.6	463.9	465.7	485.6	566.0	615.2
40°	692.6	696.1	705.4	652.5	590.2	533.0	521.6	504.0	521.6	605.1	660.0
42.5°	737.5	740.0	760.6	705.4	642.7	590.2	596.0	560.0	572.8	679.0	721.1
45°	816.4	814.9	840.8	761.2	691.6	655.5	662.1	634.3	626.5	739.5	792.7
47.5°	905.6	911.2	910.2	822.7	740.2	716.3	735.2	720.3	689.5	816.6	876.1
50°	990.1	988.3	962.1	857.5	783.6	775.8	819.4	794.9	766.9	895.0	956.5
52.5°	1020.8	1022.3	991.1	878.4	820.7	834.8	900.1	875.4	839.1	951.0	1036.5
55°	1015.3	1017.3	999.7	899.8	848.4	890.0	983.8	962.6	921.8	1011.8	1096.5
57.5°	963.4	963.4	977.7	913.2	875.4	939.4	1058.4	1049.8	999.4	1062.2	1132.3
60°	830.7	844.9	890.0	897.0	907.1	992.8	1132.3	1129.5	1068.2	1109.3	1153.4
62.5°	638.9	643.4	743.2	818.9	909.6	1064.7	1194.5	1181.2	1119.2	1123.7	1168.3
65°	362.3	383.0	475.2	666.4	858.0	1139.8	1294.6	1237.4	1163.8	1140.8	1223.0
67.5°	195.1	202.7	254.1	403.4	703.2	1148.2	1521.5	1380.1	1269.7	1231.1	1330.2
70°	126.1	134.1	161.9	221.6	441.0	1015.3	1735.1	1687.4	1488.3	1354.6	1346.6
72.5°	81.9	86.7	116.7	166.9	265.2	668.9	1725.3	1858.9	1661.0	1352.4	1212.2
75°	33.3	36.6	58.5	138.9	224.1	327.8	1323.6	1567.4	1559.4	1201.9	938.1
77.5°	16.6	17.6	26.0	75.1	198.9	226.9	837.5	1105.5	1110.1	876.1	521.6
80°	10.8	10.6	14.9	35.3	135.6	206.5	468.4	679.2	635.1	332.3	146.2
82.5°	4.3	4.5	8.1	20.2	56.7	186.8	267.2	365.6	285.9	64.8	42.1
85°	0.8	0.8	2.5	10.8	17.9	85.5	172.5	177.0	117.5	20.4	21.2
87.5°	0.3	0.3	0.5	0.8	1.3	2.0	7.6	3.5	2.3	3.5	4.0
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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.0	1.0	1.0	0.8	0.8	0.5	0.0	0.0	0.3	0.3	0.3
5°	1.0	1.0	1.0	0.8	0.8	0.3	0.0	0.0	0.3	0.3	0.3
7.5°	1.0	1.0	1.0	0.8	0.5	0.3	0.0	0.0	0.3	0.3	0.3
10°	1.0	1.0	1.0	0.8	0.5	0.3	7.3	46.6	48.2	48.4	47.9
12.5°	6.3	6.6	3.5	0.8	0.5	43.4	43.1	36.1	31.5	29.8	27.5
15°	136.9	130.1	107.7	63.5	35.0	35.5	26.2	19.4	15.6	14.6	14.1
17.5°	135.6	125.8	99.1	58.0	61.0	26.7	14.1	15.6	20.4	20.7	20.7
20°	254.9	223.6	96.8	64.8	41.1	23.2	18.4	19.4	19.4	19.7	19.4
22.5°	265.7	234.5	145.0	82.7	29.5	24.5	20.9	18.2	18.7	24.2	23.4
25°	268.0	229.9	134.4	64.8	28.5	24.5	22.9	22.2	25.0	25.0	25.2
27.5°	386.2	323.2	162.9	48.7	28.2	25.5	25.5	23.2	22.4	22.2	22.4
30°	385.5	312.1	138.9	41.1	27.2	25.2	22.9	20.7	25.0	25.2	25.2
32.5°	506.0	399.1	134.4	33.3	27.2	23.2	20.2	21.4	19.9	19.9	19.9
35°	513.1	389.0	105.9	34.5	24.2	21.2	19.7	16.6	17.6	17.9	17.4
37.5°	526.7	382.0	80.4	31.3	24.2	19.7	16.1	14.9	13.9	13.6	13.6
40°	551.1	382.5	62.0	28.7	22.7	17.9	14.4	12.1	12.6	12.6	12.4
42.5°	587.7	389.8	48.7	26.5	20.4	15.9	12.1	10.8	10.1	10.1	9.8
45°	636.1	405.4	39.8	24.7	18.7	13.6	9.8	8.8	8.1	8.1	7.8
47.5°	696.1	427.3	34.8	22.9	16.6	11.3	8.1	7.1	6.6	6.3	6.3
50°	760.1	453.6	32.0	21.4	14.4	9.1	6.6	5.5	5.0	5.0	4.8
52.5°	826.4	483.6	29.8	20.4	12.4	7.6	5.0	4.0	3.8	3.5	3.8
55°	880.2	501.7	28.2	20.2	10.3	6.1	3.8	3.0	2.8	2.5	2.5
57.5°	915.4	511.6	26.2	18.7	8.3	4.5	2.8	2.0	1.8	1.8	1.8
60°	943.2	517.1	23.7	14.9	6.6	3.3	1.8	1.3	1.3	1.3	1.3
62.5°	965.1	520.9	19.9	11.6	5.0	2.3	1.3	0.8	0.8	0.8	0.8
65°	1030.2	543.1	15.4	8.8	3.8	1.5	0.8	0.5	0.3	0.5	0.5
67.5°	1109.3	552.4	11.3	6.3	2.8	1.0	0.5	0.3	0.3	0.3	0.5
70°	1078.1	481.3	8.3	4.5	2.0	0.8	0.5	0.3	0.3	0.3	0.5
72.5°	905.9	351.7	6.1	3.3	1.5	0.8	0.5	0.3	0.3	0.5	0.5
75°	651.5	198.4	4.8	2.3	1.3	0.8	0.5	0.5	0.5	0.8	0.8
77.5°	306.6	73.9	4.8	2.0	1.3	0.8	0.5	0.5	0.8	1.0	0.5
80°	74.4	18.4	4.8	1.8	1.3	0.8	0.8	0.8	1.0	1.0	0.5
82.5°	25.0	7.8	3.5	1.5	1.3	0.8	0.8	1.0	1.0	1.3	0.8
85°	15.1	5.0	2.5	1.8	1.5	0.8	1.0	1.0	1.3	1.5	0.8
87.5°	2.5	2.0	1.8	1.8	1.5	1.0	1.0	1.3	1.3	1.5	1.0
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)