

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: P414410

Luminaire Tested: **LXF.LXT-PA1-20-827-U-SL3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414410  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-827-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2038 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G1

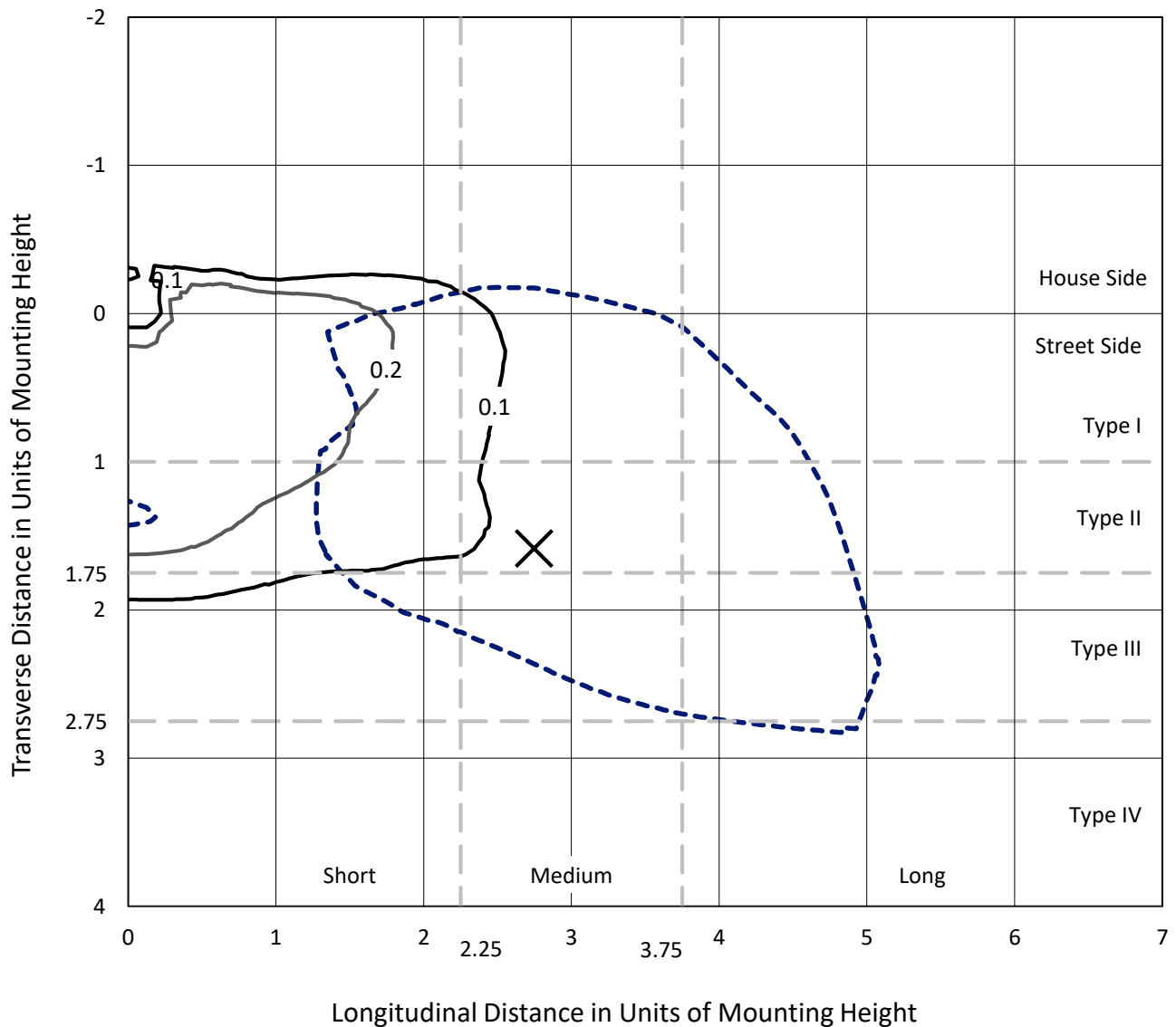
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

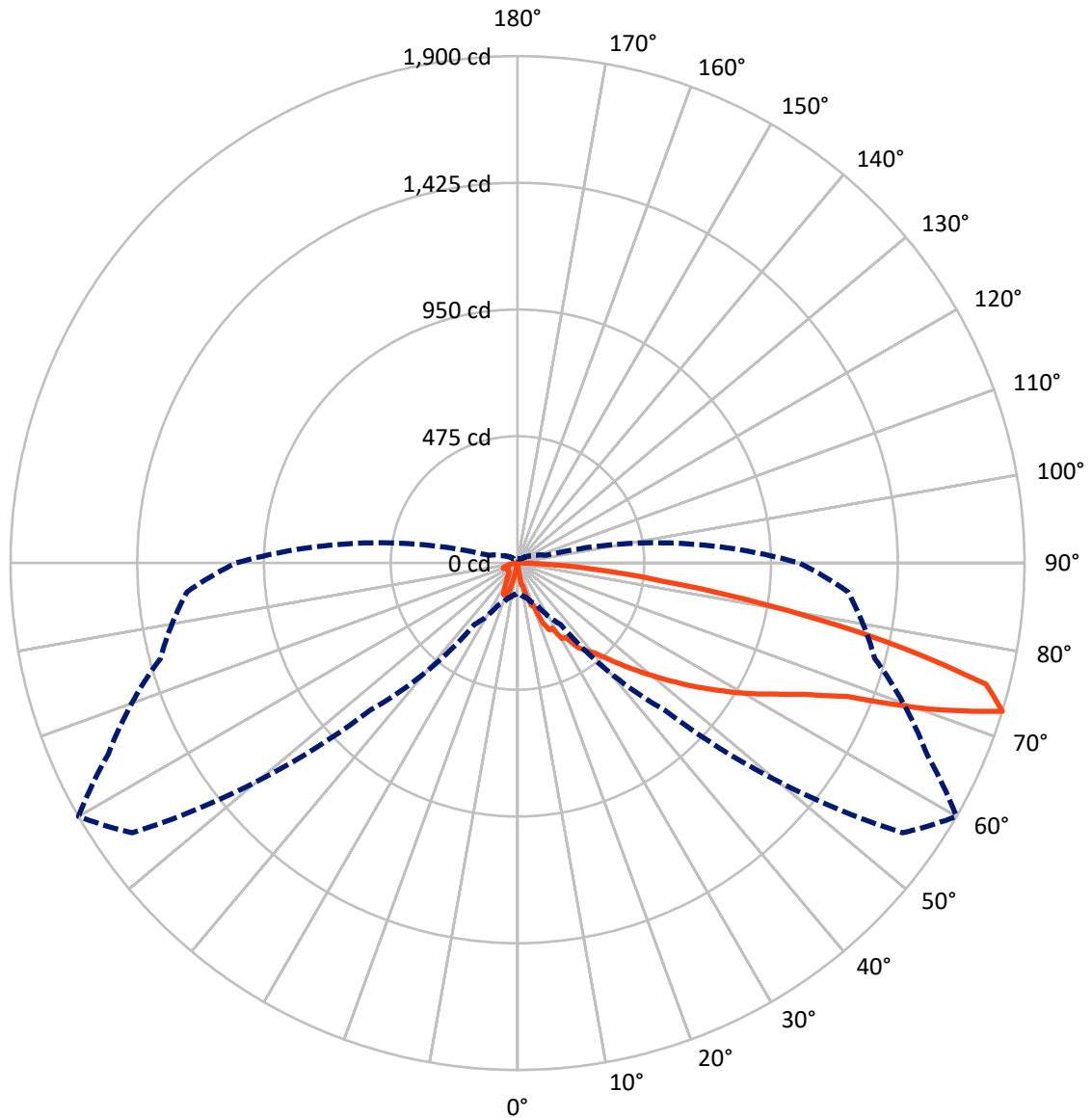
× Max cd  
 - - - 1/2 Max cd



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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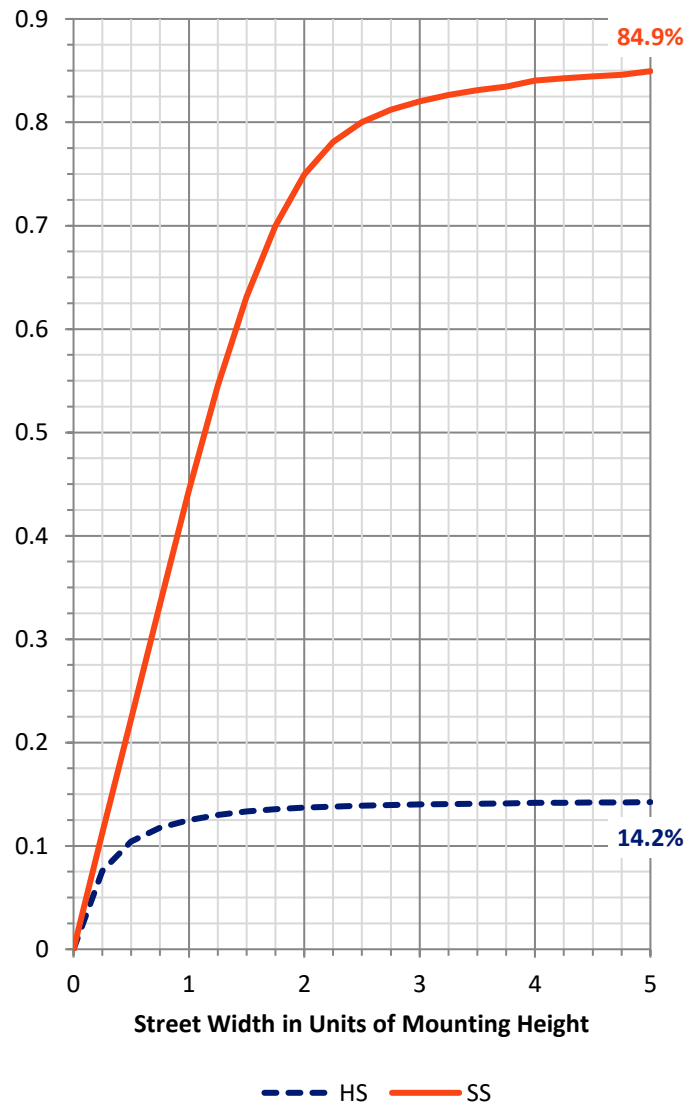
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	293.5	0.0	293.5
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	1744.5	0.0	1744.5
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	2038.0	0.0	2038.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	29.7	1.5
20°-30°	89.5	4.4
30°-40°	177.0	8.7
40°-50°	293.1	14.4
50°-60°	437.9	21.5
60°-70°	520.9	25.6
70°-80°	417.0	20.5
80°-90°	70.8	3.5
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°	2038.0	100.0
0°-180°	2038.0	100.0



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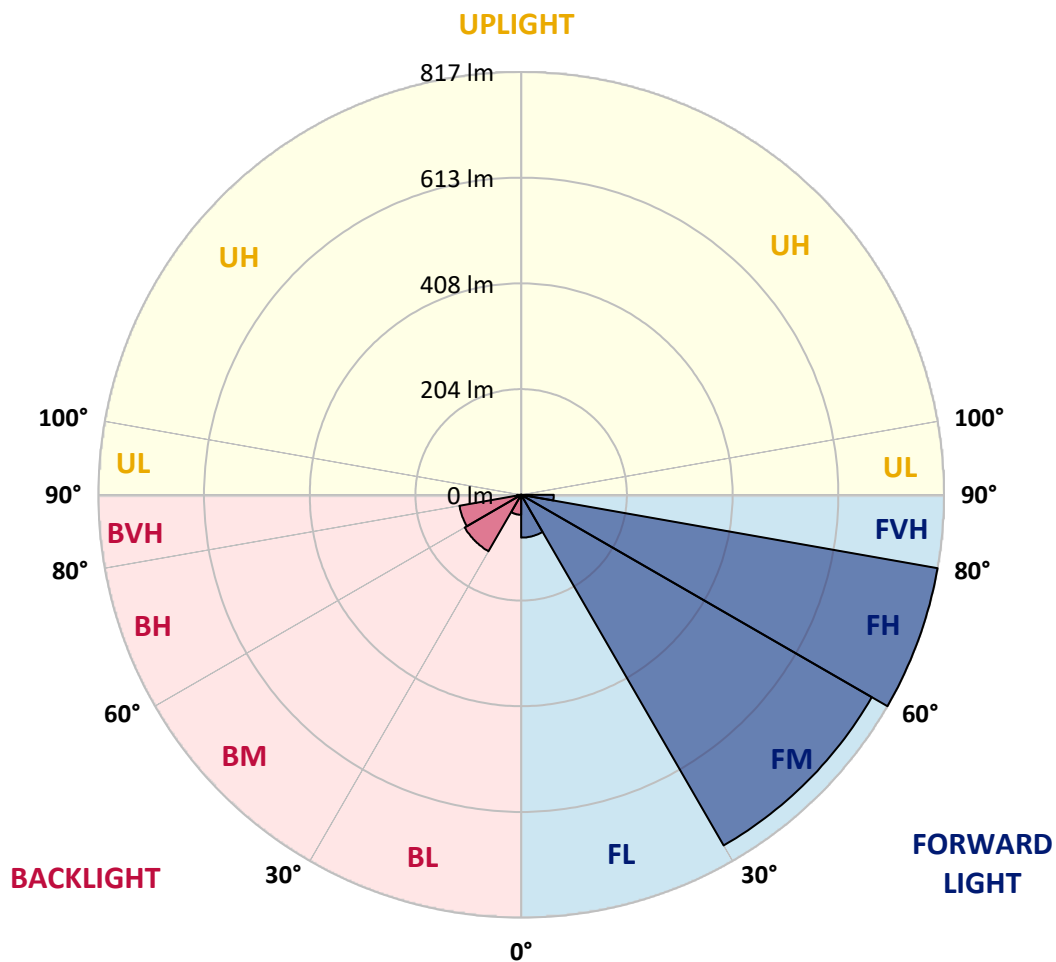
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.7	4.1			
FM	(30°-60°)	782.0	38.4			
FH	(60°-80°)	816.8	40.1			G1/1800
FVH	(80°-90°)	63.0	3.1			G1/100
BL	(0°-30°)	38.6	1.9	B0/110		
BM	(30°-60°)	125.9	6.2	B0/220		
BH	(60°-80°)	121.2	5.9	B1/500		G1/500
BVH	(80°-90°)	7.8	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.1	1.1	1.3	1.6	1.6	1.3	1.1	1.1	1.1	0.9	1.1
5°	76.2	38.4	25.8	12.2	9.1	4.4	1.8	1.3	1.3	1.1	1.1
7.5°	87.5	87.5	87.7	88.6	89.3	89.7	11.1	5.8	2.2	1.1	1.1
10°	84.4	83.7	84.1	85.0	85.9	87.3	88.8	84.4	10.0	1.8	1.3
12.5°	155.9	155.4	150.1	91.5	84.8	84.8	87.0	87.3	68.6	6.7	6.4
15°	150.3	150.1	150.8	152.3	154.7	87.7	89.0	129.7	169.0	119.0	138.3
17.5°	154.5	152.8	148.8	147.9	150.1	141.0	165.9	167.8	171.6	136.8	140.1
20°	212.0	211.4	211.4	178.1	146.8	205.1	194.7	168.1	172.5	197.8	247.8
22.5°	211.4	210.3	208.7	208.5	239.1	199.6	202.7	243.1	252.9	290.0	280.0
25°	287.3	284.4	240.9	210.0	237.6	223.6	270.9	278.0	257.1	300.8	286.4
27.5°	311.9	306.4	292.6	268.2	239.3	271.8	270.4	276.2	283.5	411.2	393.6
30°	423.6	397.4	323.7	311.5	286.2	275.1	308.2	328.4	358.1	402.7	410.1
32.5°	474.0	464.5	428.5	383.4	334.4	297.1	337.0	331.9	360.8	489.6	525.7
35°	582.8	571.0	472.5	431.8	388.8	364.1	346.6	387.7	423.2	509.1	535.7
37.5°	604.1	601.5	578.6	505.8	448.0	400.3	405.6	416.7	439.8	536.4	563.9
40°	620.8	621.0	627.7	564.8	502.7	458.5	442.5	442.7	462.5	581.3	600.1
42.5°	664.7	666.5	684.5	617.4	568.8	526.4	498.7	486.5	501.5	632.8	644.5
45°	744.0	740.0	755.3	671.6	618.6	582.1	559.9	541.3	549.3	687.6	701.1
47.5°	843.7	835.2	830.1	739.1	672.7	641.4	620.8	601.2	603.7	740.0	766.0
50°	920.7	916.5	890.1	790.2	719.4	701.1	692.5	668.3	657.9	798.4	840.1
52.5°	953.6	949.6	917.0	828.8	756.2	758.2	773.3	741.8	712.5	861.7	910.7
55°	947.8	944.5	922.9	847.9	782.9	813.3	852.8	821.3	783.3	921.4	982.7
57.5°	905.2	906.7	906.5	849.2	803.3	865.0	930.5	903.4	858.3	980.7	1041.1
60°	811.0	819.3	849.9	839.7	829.3	913.8	1006.0	993.3	945.6	1045.7	1095.0
62.5°	649.6	665.8	732.9	787.5	850.1	982.2	1079.7	1081.3	1036.0	1096.1	1136.8
65°	438.3	436.9	536.9	672.3	825.5	1089.7	1189.8	1186.7	1119.7	1153.6	1198.3
67.5°	243.6	248.9	314.4	444.9	730.7	1156.3	1401.2	1334.6	1235.1	1241.3	1284.6
70°	150.8	157.2	179.2	248.7	467.8	1078.6	1672.7	1641.6	1448.5	1357.7	1319.5
72.5°	114.6	118.1	135.9	176.3	281.5	780.2	1762.9	1900.1	1691.8	1386.3	1243.5
75°	68.4	72.6	96.8	152.3	234.7	403.9	1528.4	1813.0	1769.1	1368.1	1085.2
77.5°	42.6	43.7	52.2	106.3	216.3	254.2	1047.1	1404.3	1441.8	1158.7	766.9
80°	32.6	32.9	36.0	56.6	174.7	240.7	606.3	937.8	919.2	618.8	301.3
82.5°	20.6	22.0	28.0	34.6	83.0	234.7	358.3	534.0	470.0	167.4	83.9
85°	10.4	11.8	19.8	23.8	40.2	254.2	254.2	273.8	192.5	56.2	31.7
87.5°	1.8	1.8	2.7	6.2	8.0	43.1	71.0	61.9	40.9	7.5	6.2
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.1	1.1	1.1	0.9	0.7	0.4	0.2	0.2	0.2	0.4	0.4
5°	1.1	1.1	1.1	0.9	0.7	0.4	0.2	0.2	0.4	0.7	0.7
7.5°	1.1	1.1	1.1	0.9	0.7	0.7	0.4	0.9	2.0	26.0	17.5
10°	1.3	1.3	1.3	1.1	0.9	2.4	75.9	80.2	80.4	79.9	79.0
12.5°	7.1	7.8	5.8	2.0	8.2	76.2	73.0	69.5	68.2	66.6	66.6
15°	140.3	138.5	130.8	96.4	59.1	67.9	61.1	56.4	87.5	86.4	87.3
17.5°	140.8	137.7	126.6	137.9	127.9	61.1	69.3	75.3	71.0	69.5	70.2
20°	267.1	252.7	128.3	128.6	109.7	108.3	58.8	55.5	56.2	57.5	57.9
22.5°	272.0	255.3	196.9	166.5	94.1	86.8	60.2	48.2	71.3	79.3	80.2
25°	274.2	253.3	186.1	147.4	106.3	65.1	58.2	52.8	65.1	73.0	73.5
27.5°	387.7	351.2	254.2	125.2	82.1	57.1	54.4	49.7	58.4	72.4	72.6
30°	384.3	341.5	235.6	121.2	63.5	52.6	47.1	52.0	55.1	58.8	58.8
32.5°	499.8	438.3	261.3	97.7	53.3	43.7	44.4	47.3	47.5	56.2	56.8
35°	500.0	428.7	225.1	89.3	45.7	40.0	40.6	43.7	48.4	54.0	54.8
37.5°	507.8	424.5	194.0	69.5	45.7	40.0	38.6	41.7	45.1	52.8	53.7
40°	524.2	426.3	164.5	57.7	44.2	39.3	38.2	40.6	44.6	49.1	49.5
42.5°	552.2	436.3	136.5	52.2	43.1	39.3	36.6	38.4	40.6	49.7	50.6
45°	596.6	457.6	115.0	50.0	42.6	37.7	34.9	35.3	36.9	58.8	61.3
47.5°	648.5	487.1	96.4	48.8	42.0	36.2	32.2	32.6	36.2	66.8	70.2
50°	708.5	530.9	85.3	48.6	41.3	34.0	30.2	32.6	40.0	66.6	68.2
52.5°	778.9	575.3	79.3	49.5	40.9	32.0	31.3	36.6	38.0	53.5	53.5
55°	842.1	624.6	79.7	50.2	39.5	32.0	32.2	31.1	30.0	36.9	37.1
57.5°	904.3	673.6	87.0	48.8	37.5	32.2	27.8	25.5	26.0	31.3	32.0
60°	958.3	720.9	109.0	46.0	35.7	29.1	25.8	24.0	24.4	31.5	32.2
62.5°	1016.4	778.6	151.0	47.1	35.5	27.5	24.0	22.0	22.9	26.2	26.6
65°	1095.0	859.2	188.7	55.5	36.9	26.6	22.0	20.9	21.1	21.3	21.3
67.5°	1172.1	909.0	182.1	65.5	41.3	26.2	20.9	19.5	19.3	19.3	19.3
70°	1164.5	855.0	144.3	69.5	44.8	26.2	20.0	18.2	17.8	17.8	17.8
72.5°	1055.5	731.3	110.8	64.4	41.3	25.1	18.6	16.7	16.0	16.0	16.0
75°	898.1	586.6	93.0	55.9	33.7	21.5	16.4	14.9	14.4	14.4	14.2
77.5°	573.7	346.8	79.0	45.5	26.0	17.5	14.2	12.9	12.9	12.9	12.2
80°	230.2	152.5	61.5	36.0	20.2	14.0	11.8	11.1	10.9	10.7	10.0
82.5°	87.5	75.3	40.0	26.2	15.5	10.7	9.5	8.9	8.9	8.7	7.5
85°	31.3	29.3	18.4	15.1	9.5	6.7	7.3	6.7	6.4	5.8	4.9
87.5°	6.7	7.3	5.1	3.3	3.3	2.0	2.4	2.7	2.7	2.4	1.3
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)