

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: P694790

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T4W**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694790  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-727-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3179 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

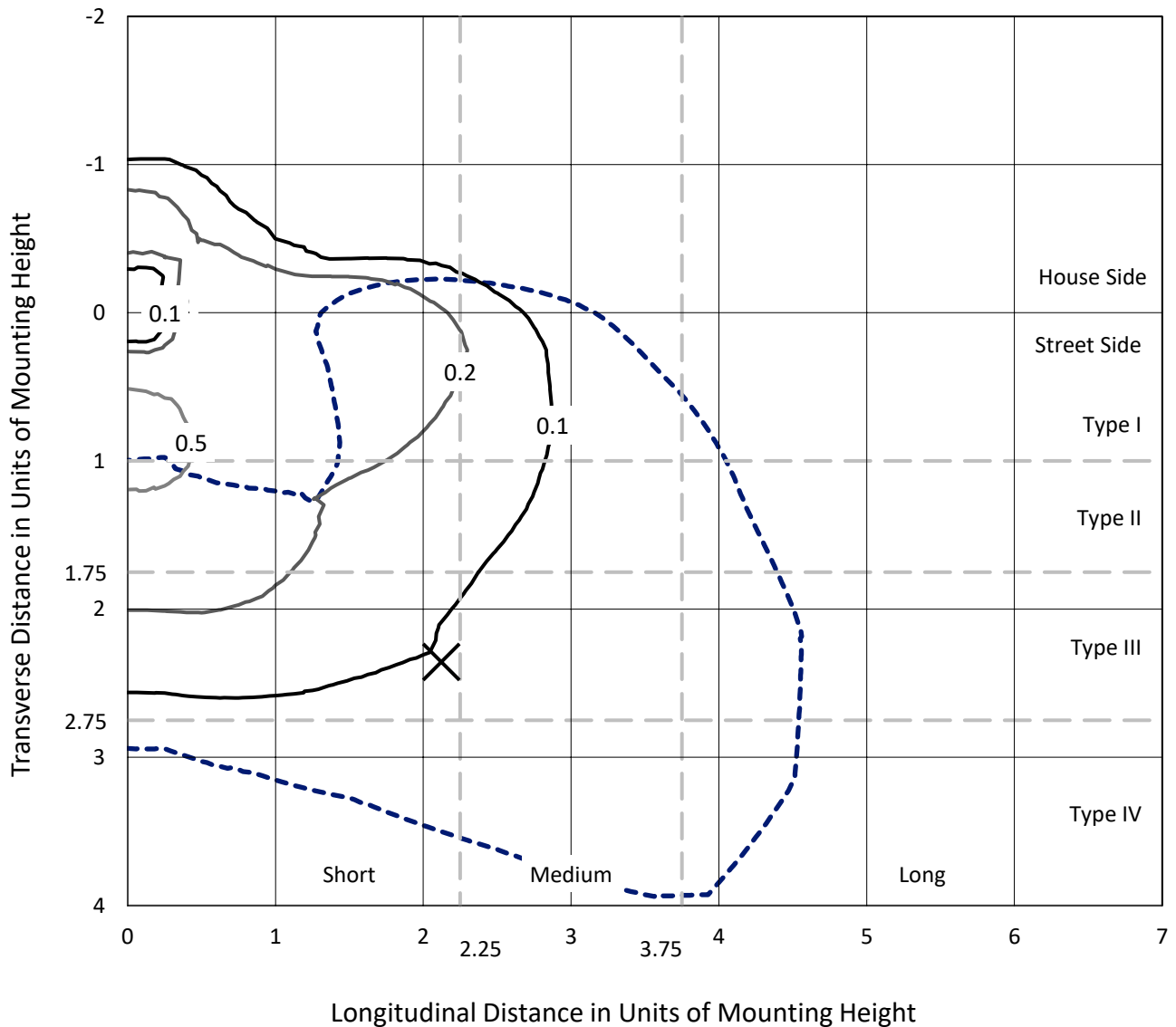
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

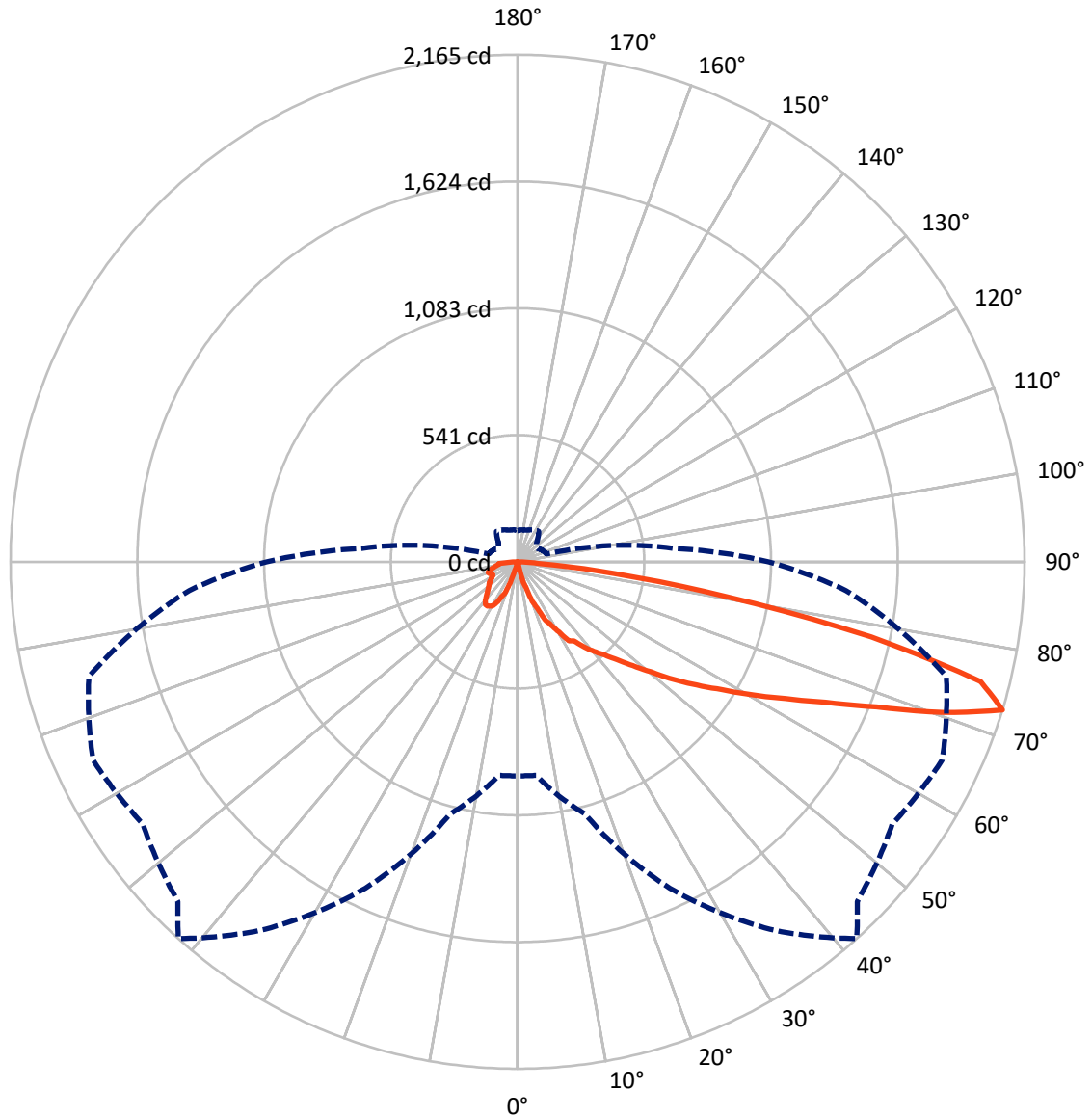
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 42-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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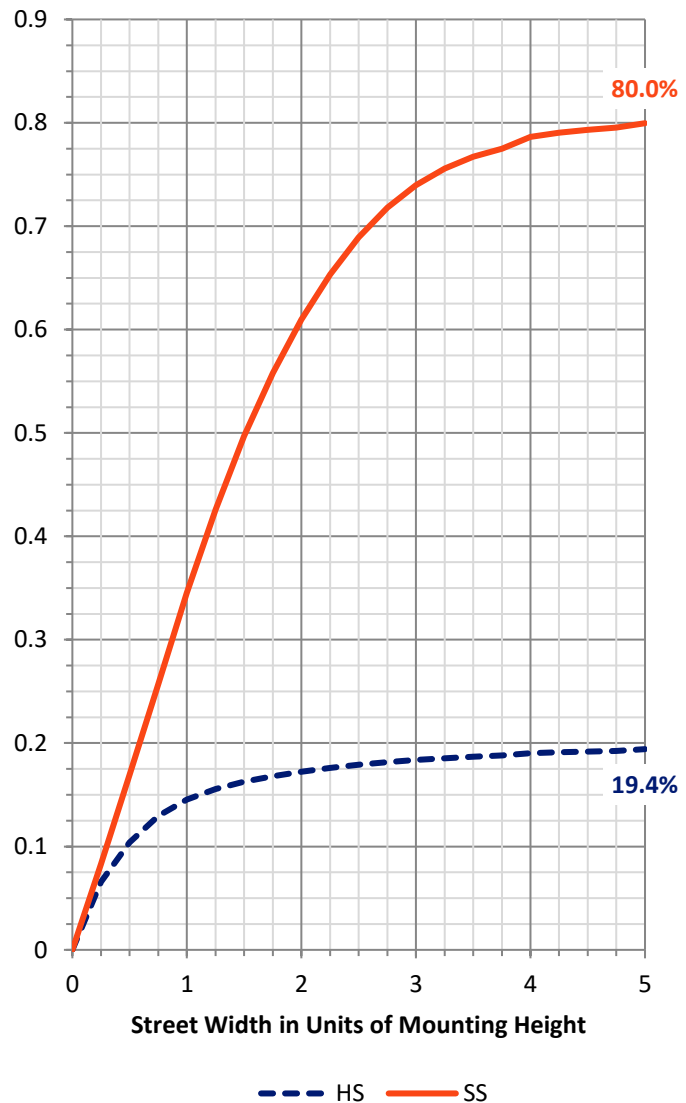
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	633.9	0.0	633.9
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	2545.1	0.0	2545.1
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	3179.0	0.0	3179.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	22.5	0.7
20°-30°	120.7	3.8
30°-40°	273.4	8.6
40°-50°	404.5	12.7
50°-60°	621.8	19.6
60°-70°	912.4	28.7
70°-80°	729.5	22.9
80°-90°	93.9	3.0
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°	3179.0	100.0
0°-180°	3179.0	100.0

**Coefficient of Utilization**



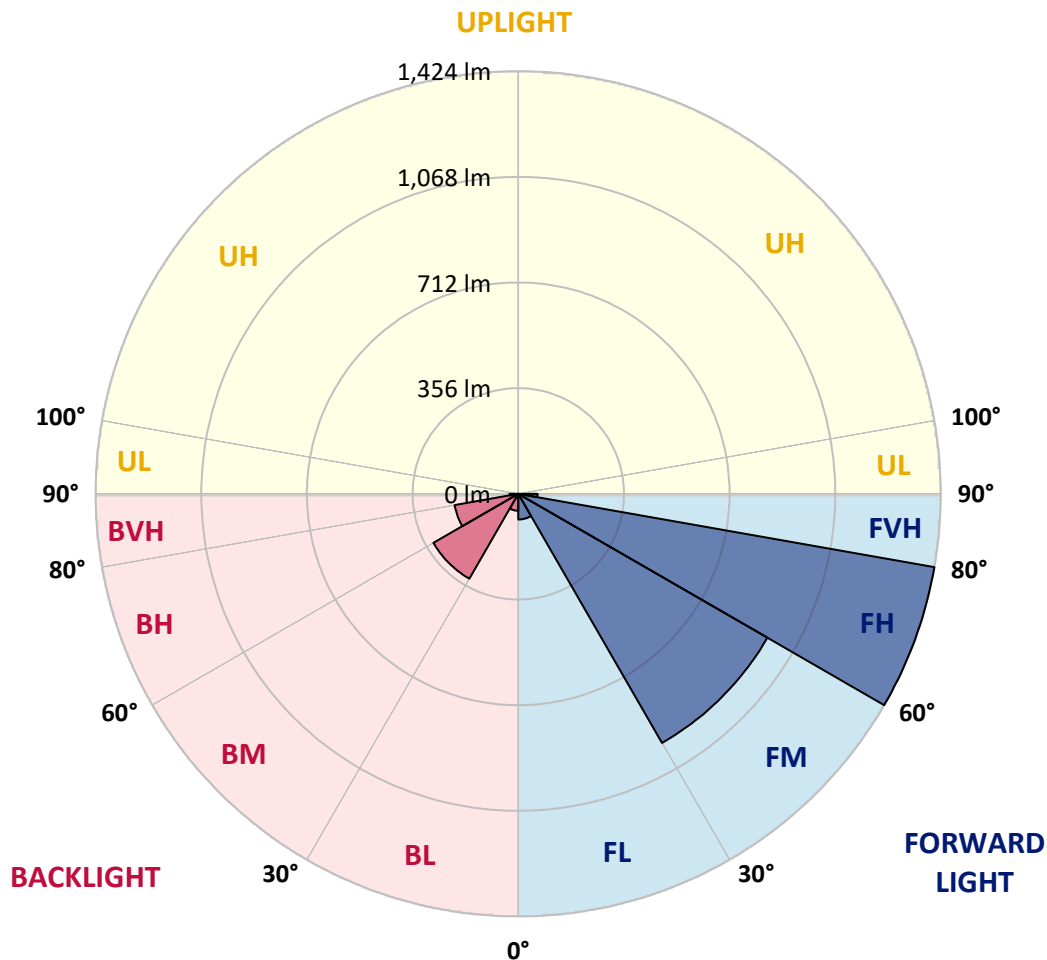
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	86.4	2.7			
FM (30°-60°)	969.6	30.5			
FH (60°-80°)	1424.2	44.8			G1/1800
FVH (80°-90°)	64.9	2.0			G1/100
BL (0°-30°)	57.0	1.8	B0/110		
BM (30°-60°)	330.1	10.4	B1/1000		
BH (60°-80°)	217.8	6.8	B1/500		G1/500
BVH (80°-90°)	29.0	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
7.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
10°	27.2	25.0	21.8	8.7	3.3	1.1	1.1	1.1	1.1	1.1	1.1
12.5°	116.4	116.4	113.2	104.5	23.9	13.1	6.5	2.2	7.6	16.3	20.7
15°	132.7	132.7	128.4	121.9	111.0	92.5	45.7	20.7	90.3	99.0	96.8
17.5°	237.2	218.7	160.0	138.2	124.0	113.2	112.1	103.4	113.2	111.0	108.8
20°	275.3	274.2	264.4	248.1	148.0	180.6	182.8	170.8	130.6	161.0	202.4
22.5°	298.1	293.8	276.4	257.9	272.0	216.5	200.2	188.2	217.6	241.6	236.1
25°	402.6	400.4	386.3	278.6	288.3	275.3	264.4	268.8	276.4	265.5	268.8
27.5°	428.7	423.3	404.8	363.4	314.5	305.8	327.5	293.8	325.3	390.6	383.0
30°	621.3	613.7	516.8	401.5	376.5	348.2	342.8	366.7	395.0	405.9	402.6
32.5°	706.2	697.5	662.7	526.6	405.9	402.6	383.0	398.2	405.9	501.6	533.2
35°	809.5	800.8	756.2	598.5	489.6	414.6	418.9	403.7	478.8	513.6	550.6
37.5°	881.4	872.7	846.5	660.5	545.1	462.4	436.3	450.5	487.5	534.3	571.3
40°	948.8	943.4	927.1	738.8	605.0	502.7	466.8	470.1	506.0	565.8	598.5
42.5°	1018.5	1015.2	1006.5	812.8	659.4	543.0	504.9	494.0	546.2	595.2	638.7
45°	1080.5	1088.1	1083.8	890.1	718.1	596.3	552.8	532.1	595.2	642.0	701.8
47.5°	1112.0	1112.0	1136.0	968.4	781.3	662.7	611.5	585.4	659.4	717.1	791.1
50°	1156.7	1161.0	1163.2	1048.9	867.2	738.8	676.8	650.7	725.8	824.8	937.9
52.5°	1274.2	1314.4	1220.9	1127.3	974.9	835.7	747.5	719.2	812.8	957.5	1126.2
55°	1315.5	1324.2	1298.1	1232.8	1066.3	929.2	825.9	800.8	947.7	1112.0	1334.0
57.5°	1351.4	1340.5	1374.3	1347.1	1186.0	1029.3	920.5	906.4	1092.5	1282.9	1544.0
60°	1386.2	1390.6	1438.5	1478.7	1295.9	1153.4	1025.0	1058.7	1239.4	1461.3	1743.1
62.5°	1416.7	1427.6	1511.4	1556.0	1392.8	1285.1	1163.2	1254.6	1403.7	1637.6	1906.4
65°	1390.6	1405.8	1577.8	1606.0	1524.4	1445.0	1322.0	1450.4	1605.0	1788.8	2009.7
67.5°	1351.4	1365.6	1566.9	1688.7	1675.7	1652.8	1516.8	1637.6	1815.0	1942.3	2004.3
70°	1230.6	1248.1	1455.9	1718.1	1866.1	1927.0	1780.1	1810.6	1973.8	2002.1	1800.8
72.5°	914.0	915.1	1115.3	1537.5	1922.7	2165.3	2051.1	1953.1	2001.0	1895.5	1408.0
75°	433.1	427.6	574.5	977.1	1609.3	2042.4	2043.5	1914.0	1806.3	1553.8	906.4
77.5°	127.3	129.5	181.7	403.7	1031.5	1544.0	1641.9	1569.0	1376.5	870.5	398.2
80°	64.2	69.6	90.3	140.4	449.4	900.9	1026.1	1013.0	781.3	290.5	137.1
82.5°	31.6	32.6	49.0	76.2	195.9	418.9	536.4	470.1	249.2	139.3	69.6
85°	8.7	7.6	14.1	26.1	60.9	89.2	107.7	88.1	75.1	58.8	28.3
87.5°	0.0	1.1	1.1	2.2	2.2	3.3	3.3	3.3	3.3	3.3	3.3
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
7.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
10°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
12.5°	20.7	18.5	14.1	7.6	2.2	1.1	1.1	1.1	1.1	2.2	2.2
15°	94.7	93.6	92.5	84.9	18.5	3.3	2.2	9.8	33.7	51.1	62.0
17.5°	107.7	106.6	105.5	103.4	95.8	23.9	31.6	86.0	103.4	104.5	105.5
20°	199.1	194.8	146.9	114.3	105.5	95.8	91.4	105.5	109.9	113.2	114.3
22.5°	231.8	227.4	217.6	202.4	121.9	148.0	138.2	115.3	180.6	194.8	196.9
25°	263.3	257.9	235.0	216.5	206.7	157.8	175.2	186.1	204.6	208.9	211.1
27.5°	377.6	363.4	335.1	240.5	225.2	190.4	204.6	196.9	235.0	274.2	277.5
30°	401.5	387.4	348.2	288.3	238.3	219.8	204.6	256.8	284.0	292.7	297.1
32.5°	535.3	521.2	450.5	290.5	253.5	216.5	239.4	262.2	281.8	340.6	346.0
35°	556.0	538.6	457.0	336.2	244.8	225.2	237.2	272.0	324.3	343.8	347.1
37.5°	578.9	559.3	450.5	315.6	260.1	226.3	231.8	267.7	298.1	306.8	311.2
40°	613.7	584.3	439.6	292.7	244.8	213.3	225.2	245.9	263.3	260.1	263.3
42.5°	660.5	614.8	422.2	266.6	226.3	195.9	208.9	222.0	232.9	223.1	220.9
45°	719.2	658.3	402.6	243.7	206.7	180.6	192.6	203.5	211.1	193.7	191.5
47.5°	804.1	708.4	378.7	219.8	190.4	168.7	179.5	187.2	191.5	175.2	171.9
50°	919.4	774.7	351.5	200.2	176.3	157.8	170.8	175.2	171.9	160.0	157.8
52.5°	1064.2	875.9	324.3	185.0	164.3	150.2	162.1	161.0	157.8	149.1	148.0
55°	1244.8	1010.8	301.4	174.1	154.5	142.5	151.2	151.2	150.2	142.5	142.5
57.5°	1434.1	1138.2	274.2	164.3	143.6	131.7	142.5	144.7	143.6	138.2	137.1
60°	1591.9	1242.6	233.9	155.6	131.7	123.0	134.9	139.3	138.2	132.7	131.7
62.5°	1682.2	1258.9	192.6	143.6	121.9	115.3	130.6	137.1	144.7	148.0	148.0
65°	1700.7	1192.6	165.4	134.9	115.3	113.2	134.9	154.5	161.0	165.4	167.6
67.5°	1625.6	1054.4	149.1	129.5	111.0	117.5	153.4	164.3	157.8	155.6	155.6
70°	1417.8	874.8	137.1	123.0	105.5	123.0	160.0	156.7	148.0	150.2	149.1
72.5°	1072.9	665.9	128.4	116.4	100.1	114.3	157.8	150.2	139.3	137.1	132.7
75°	649.6	390.6	118.6	108.8	87.0	101.2	151.2	143.6	132.7	128.4	125.1
77.5°	251.4	180.6	107.7	100.1	75.1	89.2	140.4	137.1	126.2	117.5	116.4
80°	106.6	95.8	92.5	88.1	64.2	77.3	126.2	127.3	111.0	100.1	96.8
82.5°	59.8	58.8	71.8	71.8	53.3	68.6	114.3	114.3	97.9	91.4	83.8
85°	19.6	22.9	38.1	43.5	39.2	64.2	111.0	105.5	84.9	70.7	67.5
87.5°	2.2	2.2	4.4	8.7	9.8	16.3	31.6	37.0	26.1	21.8	21.8
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)