

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: P254201

Luminaire Tested: **LXF.LXT-AF24-100-D-U-T2U-7030-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254201  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-17-90°)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-100-D-U-T2U-7030-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
WITH HOUSE SIDE SHIELD  
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN  
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO  
COMPETITIVE OFFERINGS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5792.9 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 96  
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

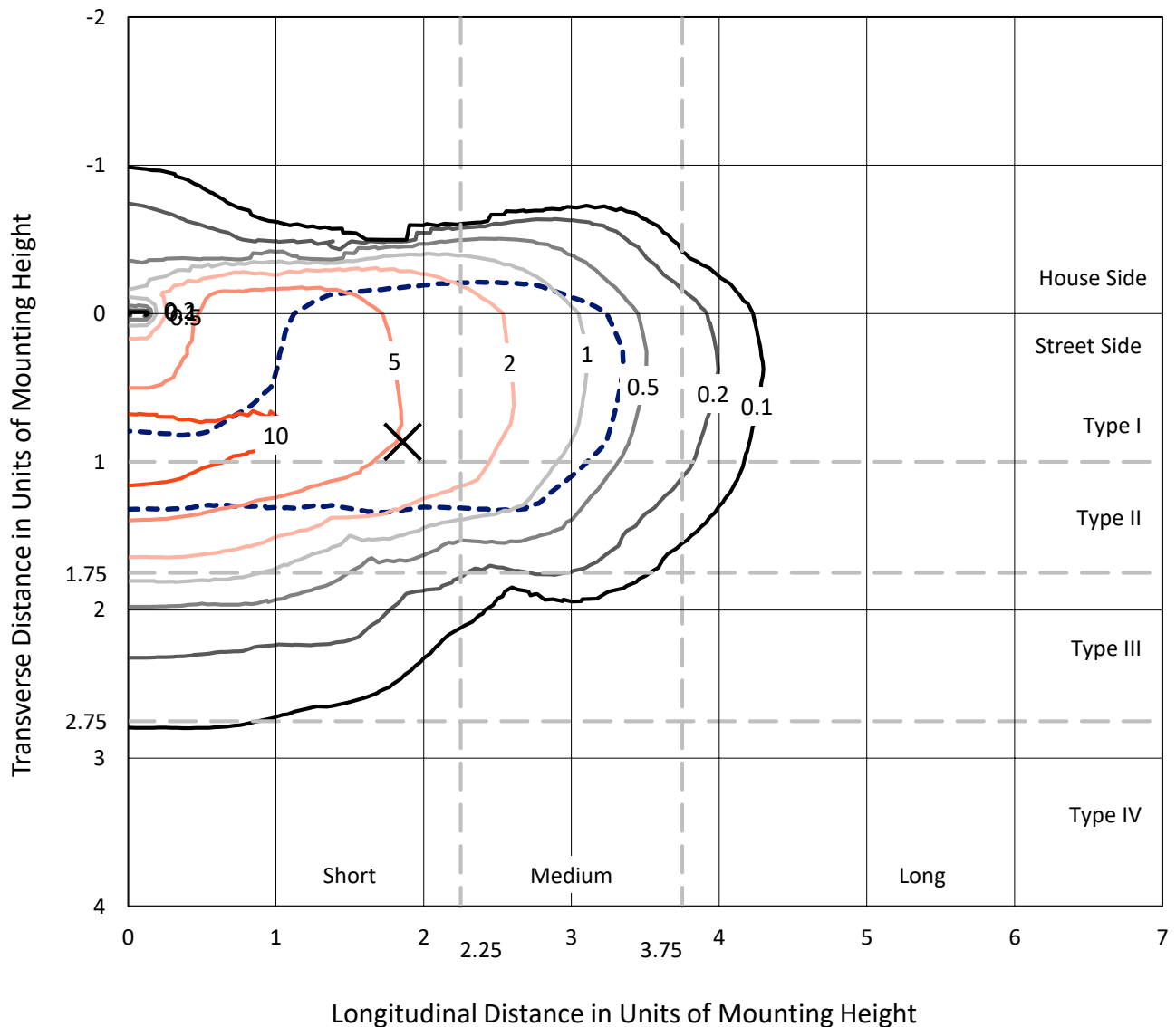


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

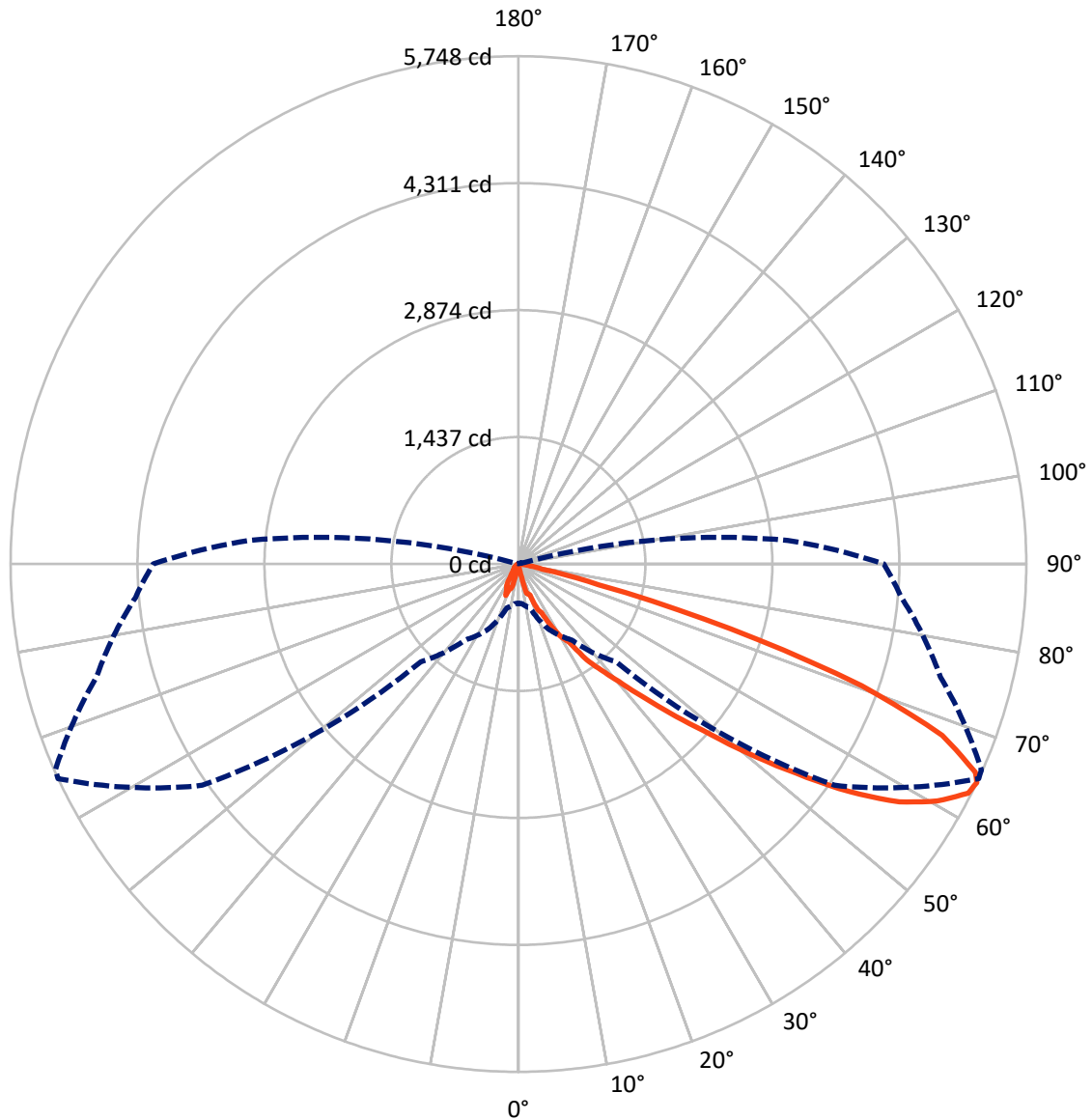


Based on 10 foot mounting height. Maximum calculated value = 14.6 fc  
 Type II - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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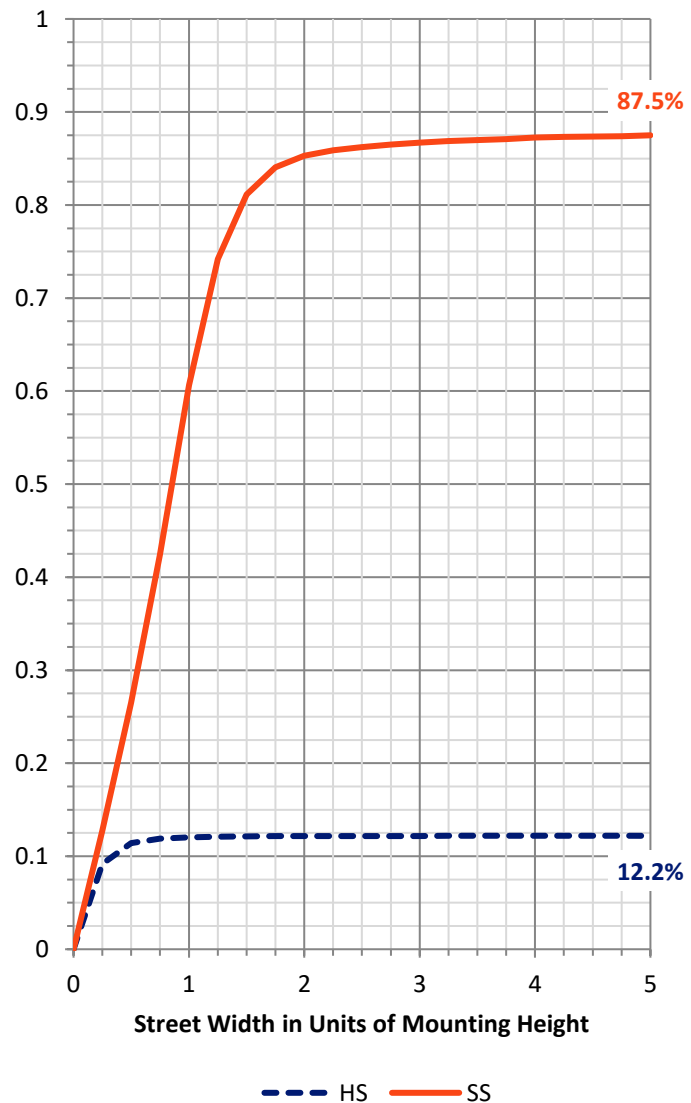
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	714.1	0.0	714.1
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	5078.8	0.0	5078.8
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	5792.9	0.0	5792.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	57.9	1.0
20°-30°	196.6	3.4
30°-40°	551.6	9.5
40°-50°	1280.9	22.1
50°-60°	1790.4	30.9
60°-70°	1412.3	24.4
70°-80°	473.0	8.2
80°-90°	25.8	0.4
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°	5792.9	100.0
0°-180°	5792.9	100.0



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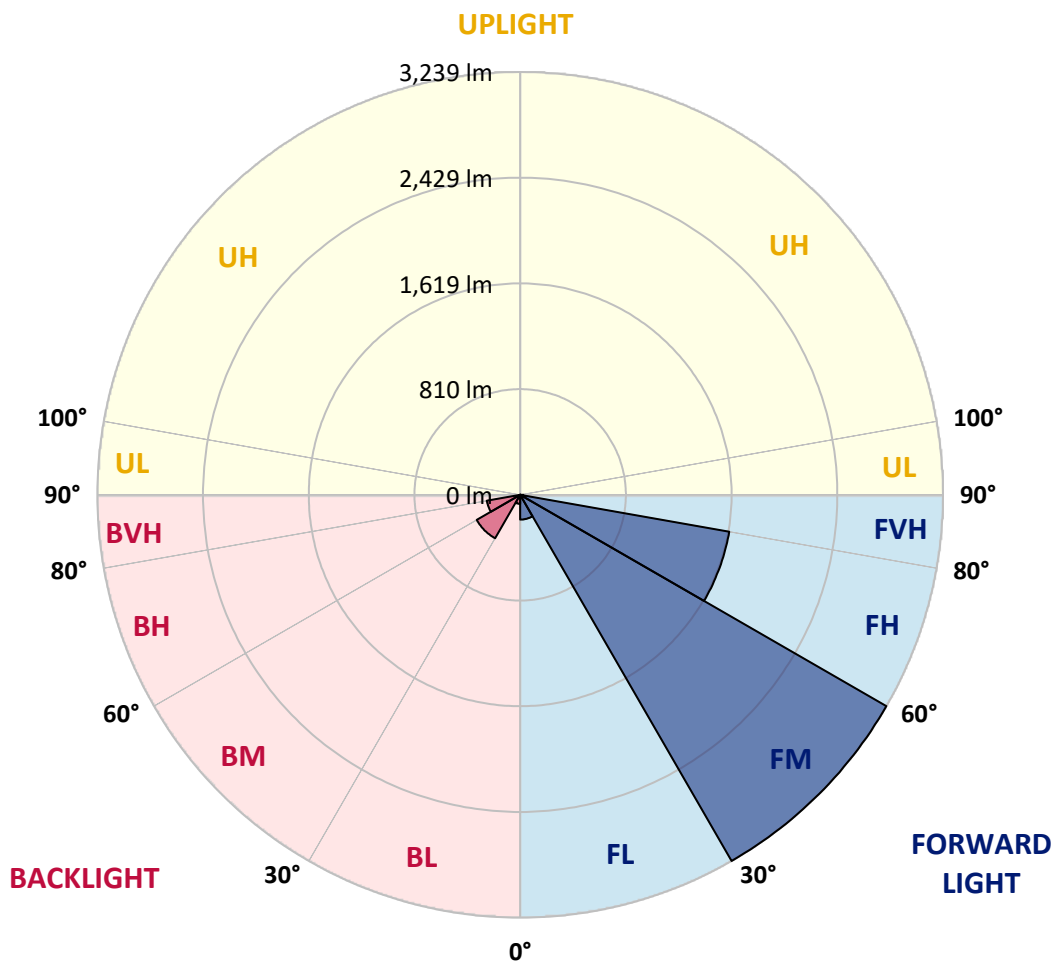
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.8	3.3			
FM (30°-60°)	3238.5	55.9			
FH (60°-80°)	1626.0	28.1			G1/1800
FVH (80°-90°)	24.5	0.4			G1/100
BL (0°-30°)	69.1	1.2	B0/110		
BM (30°-60°)	384.4	6.6	B1/1000		
BH (60°-80°)	259.3	4.5	B1/500		G1/500
BVH (80°-90°)	1.3	0.0			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	114.0	47.4	35.7	22.3	6.8	1.9	1.0	0.0	0.0	0.0	0.0
7.5°	164.4	163.5	163.5	165.4	167.2	152.8	11.6	1.0	0.0	0.0	0.0
10°	156.7	155.7	155.7	158.7	161.4	164.4	165.4	5.8	3.9	0.0	0.0
12.5°	313.3	311.4	299.8	178.8	161.4	162.5	166.3	113.2	67.7	25.1	119.9
15°	308.4	307.6	308.4	315.2	315.2	168.3	251.4	339.5	338.4	220.4	258.2
17.5°	316.2	311.4	309.4	314.3	322.0	372.3	368.4	356.8	357.9	234.1	265.0
20°	455.5	456.4	463.3	353.9	333.7	470.9	417.8	375.2	381.0	449.7	487.4
22.5°	463.3	462.2	470.9	487.4	574.3	483.5	560.0	562.8	575.4	588.9	523.2
25°	640.1	639.1	523.2	512.5	614.0	542.5	670.2	609.2	619.8	621.8	641.2
27.5°	724.3	715.6	721.4	724.3	647.9	762.1	694.4	804.5	770.8	852.0	813.3
30°	922.5	895.5	828.7	839.4	801.6	812.4	841.3	961.3	929.4	903.2	888.8
32.5°	1349.1	1332.6	1266.9	1045.4	972.9	883.9	1021.2	1052.1	1056.0	1235.9	1232.0
35°	1970.8	1854.7	1622.7	1459.2	1165.2	1154.7	1132.4	1329.6	1339.4	1408.1	1407.0
37.5°	2774.4	2751.2	2421.5	1880.9	1539.6	1353.8	1409.0	1525.0	1488.3	1632.4	1634.3
40°	3263.8	3241.5	2974.7	2508.5	1967.0	1702.0	1635.3	1747.5	1685.6	1935.1	1886.7
42.5°	3616.8	3593.5	3399.2	2966.0	2591.7	2291.9	1991.1	2038.6	1998.9	2222.3	2201.0
45°	3827.6	3794.7	3711.5	3344.1	3105.1	2978.5	2504.7	2401.2	2410.8	2583.0	2559.7
47.5°	3816.0	3765.7	3786.9	3562.6	3539.4	3610.0	3143.8	2813.1	2923.3	3015.2	2955.3
50°	3514.3	3474.6	3594.5	3624.4	3823.7	4108.0	3820.8	3361.5	3499.8	3441.7	3317.0
52.5°	2955.3	2963.0	3137.1	3340.2	3873.0	4451.3	4470.7	3935.0	4122.6	3827.6	3645.8
55°	2363.5	2384.7	2575.2	2820.8	3571.3	4563.5	5013.2	4551.8	4715.3	4145.8	3883.6
57.5°	1737.8	1771.6	2010.5	2219.4	2937.9	4277.3	5281.0	5081.8	5179.6	4419.4	4070.4
60°	1029.9	1048.3	1365.5	1668.2	2128.5	3429.1	5270.4	5446.5	5479.3	4702.7	4219.3
62.5°	608.2	618.0	724.3	1125.7	1402.3	2248.3	4869.1	5712.4	5702.7	4883.6	4321.8
64°	443.9	450.7	516.4	817.1	1048.3	1565.6	4366.2	5748.1	5736.5	4944.5	4350.7
65°	371.4	377.2	423.6	645.0	872.3	1197.2	3808.2	5684.3	5676.6	4975.4	4348.8
67.5°	297.8	298.9	312.4	378.1	593.8	628.6	2204.9	5174.6	5151.5	5007.4	4277.3
70°	266.9	270.8	295.0	297.8	434.2	412.9	775.5	4121.6	4071.2	4754.0	4110.9
72.5°	211.8	217.5	256.3	292.0	313.3	309.4	353.9	2513.4	2533.6	3493.0	3445.6
75°	147.9	153.7	193.4	241.8	247.6	226.2	255.3	943.9	931.2	1725.2	2003.7
77.5°	91.9	94.7	120.8	174.0	230.2	149.9	178.0	273.7	293.1	534.9	547.4
80°	60.9	61.8	76.4	115.0	159.5	135.4	106.4	138.3	141.2	168.3	83.1
82.5°	33.9	34.9	48.4	72.5	95.7	119.9	68.7	83.1	88.0	104.5	44.5
85°	11.6	12.6	25.1	40.7	58.0	58.0	44.5	50.3	51.3	65.8	23.2
87.5°	0.0	0.0	5.8	10.6	9.8	3.9	9.8	7.7	6.8	10.6	3.9
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	121.9	134.4	135.4	137.3
10°	0.0	0.0	1.0	1.0	0.0	129.6	137.3	134.4	127.7	125.7	123.8
12.5°	123.8	119.0	16.4	3.9	109.3	135.4	121.9	104.5	88.0	83.1	79.3
15°	255.3	252.4	225.3	247.6	153.7	116.1	86.1	92.9	78.3	73.5	71.6
17.5°	259.2	255.3	240.8	291.0	239.9	118.0	79.3	63.8	58.0	56.0	55.1
20°	492.2	477.7	350.0	286.3	183.8	119.9	60.9	51.3	47.4	52.2	55.1
22.5°	506.8	490.2	422.7	383.9	153.7	78.3	58.0	56.0	59.0	56.0	56.0
25°	639.1	590.9	464.2	315.2	136.3	69.6	65.8	51.3	47.4	45.5	45.5
27.5°	794.0	757.1	641.2	295.9	91.9	73.5	57.1	44.5	49.2	49.2	49.2
30°	849.1	797.8	647.9	259.2	81.2	66.7	48.4	48.4	43.4	41.6	41.6
32.5°	1219.5	1145.0	831.7	181.8	73.5	56.0	48.4	40.7	39.7	42.5	42.5
35°	1358.7	1271.7	810.3	134.4	64.8	51.3	41.6	39.7	37.7	37.7	37.7
37.5°	1544.4	1441.9	743.6	99.7	60.9	43.4	36.7	34.9	35.7	37.7	38.7
40°	1787.2	1663.4	689.5	82.2	52.2	37.7	32.9	33.9	33.9	33.9	33.9
42.5°	2073.3	1902.2	609.2	73.5	44.5	33.9	29.9	29.9	30.9	30.9	30.9
45°	2402.2	2163.4	497.0	64.8	38.7	29.1	27.1	27.1	27.1	26.1	27.1
47.5°	2750.3	2445.7	377.2	57.1	32.9	26.1	24.1	23.2	23.2	22.3	23.2
50°	3096.5	2708.7	275.7	49.2	29.1	23.2	20.3	20.3	20.3	19.3	19.3
52.5°	3373.1	2886.6	195.3	42.5	25.1	20.3	17.4	16.4	16.4	15.6	15.6
55°	3605.1	2993.0	143.1	35.7	22.3	17.4	14.5	13.5	13.5	12.6	13.5
57.5°	3784.0	3059.7	108.2	29.1	19.3	14.5	11.6	10.6	10.6	10.6	10.6
60°	3935.0	3081.9	83.1	24.1	16.4	11.6	9.8	8.7	8.7	7.7	8.7
62.5°	4075.2	3076.2	68.7	21.3	14.5	9.8	7.7	6.8	5.8	4.8	5.8
64°	4135.1	3060.7	61.8	18.3	13.5	8.7	6.8	5.8	4.8	2.9	3.9
65°	4160.3	3036.6	57.1	16.4	12.6	7.7	6.8	5.8	2.9	1.9	2.9
67.5°	4139.0	2911.8	44.5	14.5	9.8	5.8	4.8	3.9	1.0	1.0	1.9
70°	3902.0	2646.8	33.9	12.6	8.7	4.8	3.9	2.9	1.9	1.0	1.9
72.5°	3064.6	1903.2	26.1	9.8	6.8	2.9	3.9	2.9	1.9	1.0	0.0
75°	1644.1	714.7	19.3	7.7	5.8	2.9	2.9	1.9	1.0	1.0	0.0
77.5°	423.6	225.3	13.5	4.8	4.8	1.9	1.9	1.9	1.0	1.0	0.0
80°	65.8	31.9	5.8	3.9	2.9	1.0	1.9	1.0	1.0	1.9	0.0
82.5°	27.1	12.6	3.9	2.9	2.9	0.0	1.9	1.0	1.0	1.0	0.0
85°	6.8	4.8	2.9	1.9	1.9	0.0	1.0	0.0	1.0	1.0	0.0
87.5°	1.0	1.9	1.9	1.9	1.9	0.0	1.0	0.0	0.0	0.0	0.0
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)