

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: P254203

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T2U-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254203  
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-AF24-30-D-U-T2U-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 375mA 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: 2373.2 lumens  
Efficiency: N/A  
Efficacy: 76.6 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

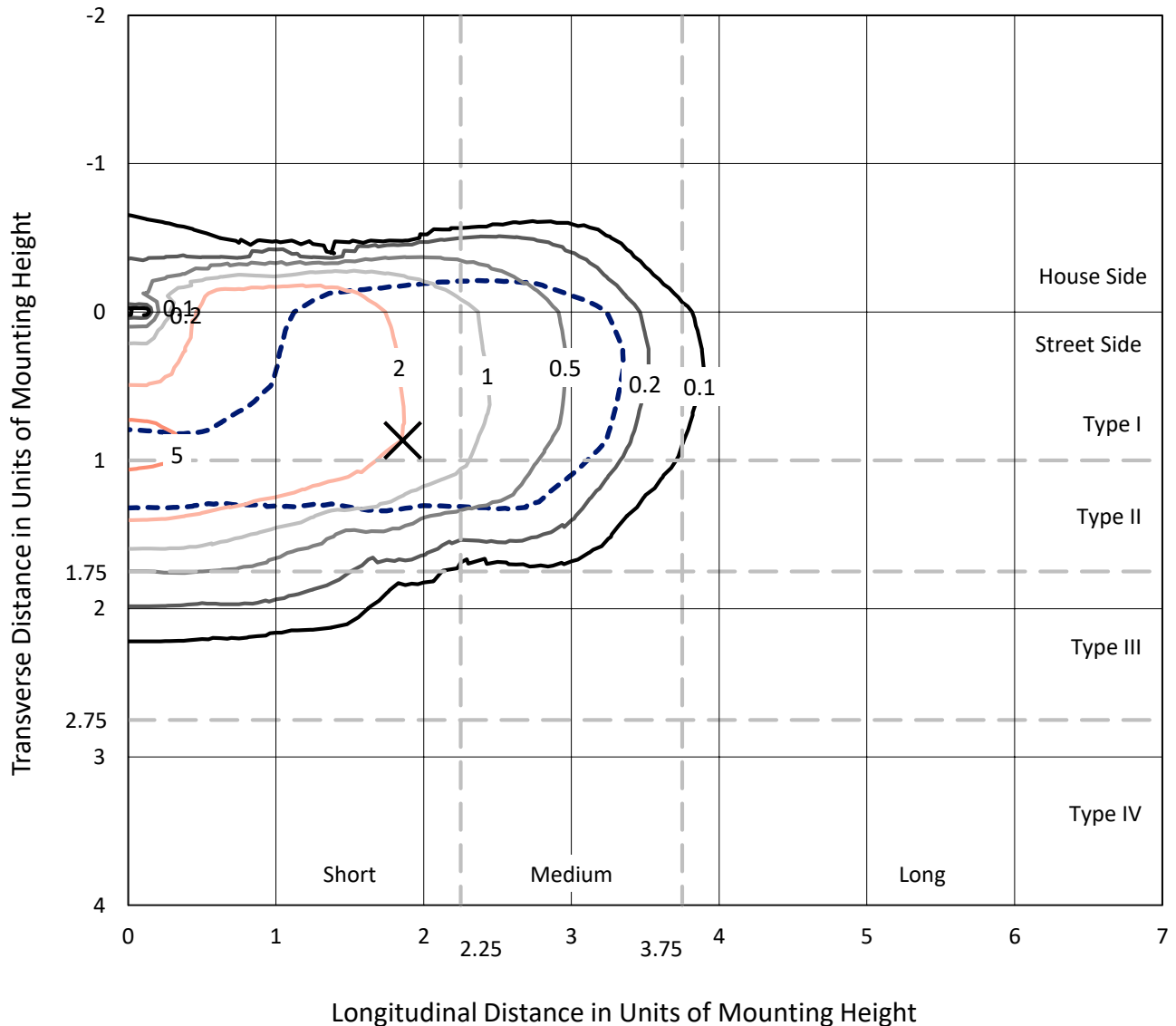
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

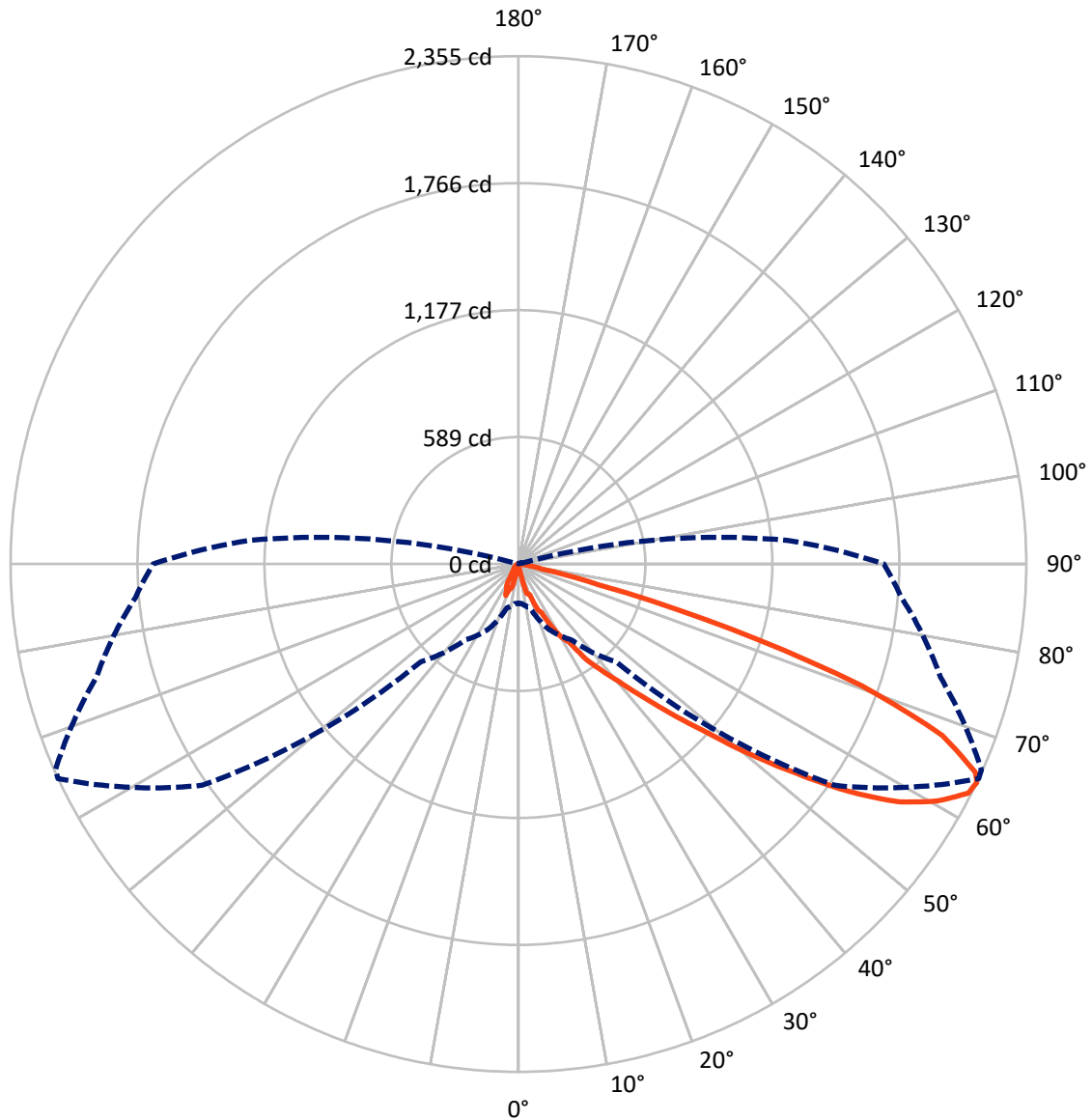


Based on 10 foot mounting height. Maximum calculated value = 6 fc  
 Type II - Short - Full Cutoff

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### Luminous Intensity Polar Plot



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

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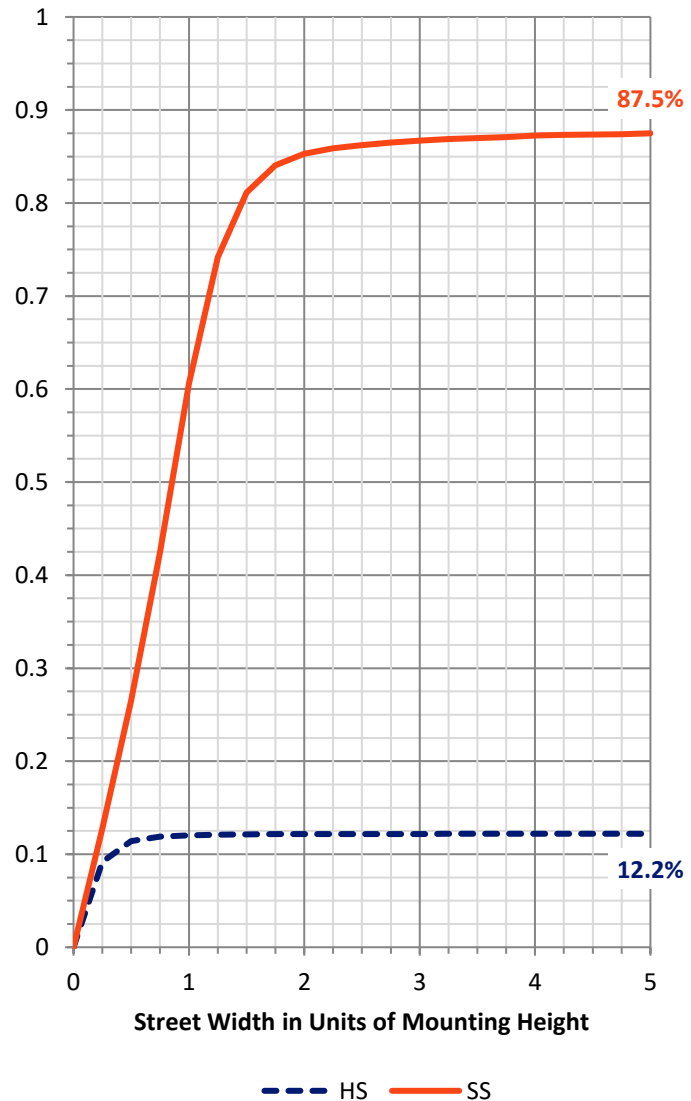
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	292.6	0.0	292.6
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	2080.7	0.0	2080.7
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	2373.2	0.0	2373.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	23.7	1.0
20°-30°	80.5	3.4
30°-40°	226.0	9.5
40°-50°	524.8	22.1
50°-60°	733.5	30.9
60°-70°	578.6	24.4
70°-80°	193.8	8.2
80°-90°	10.6	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°	2373.2	100.0
0°-180°	2373.2	100.0



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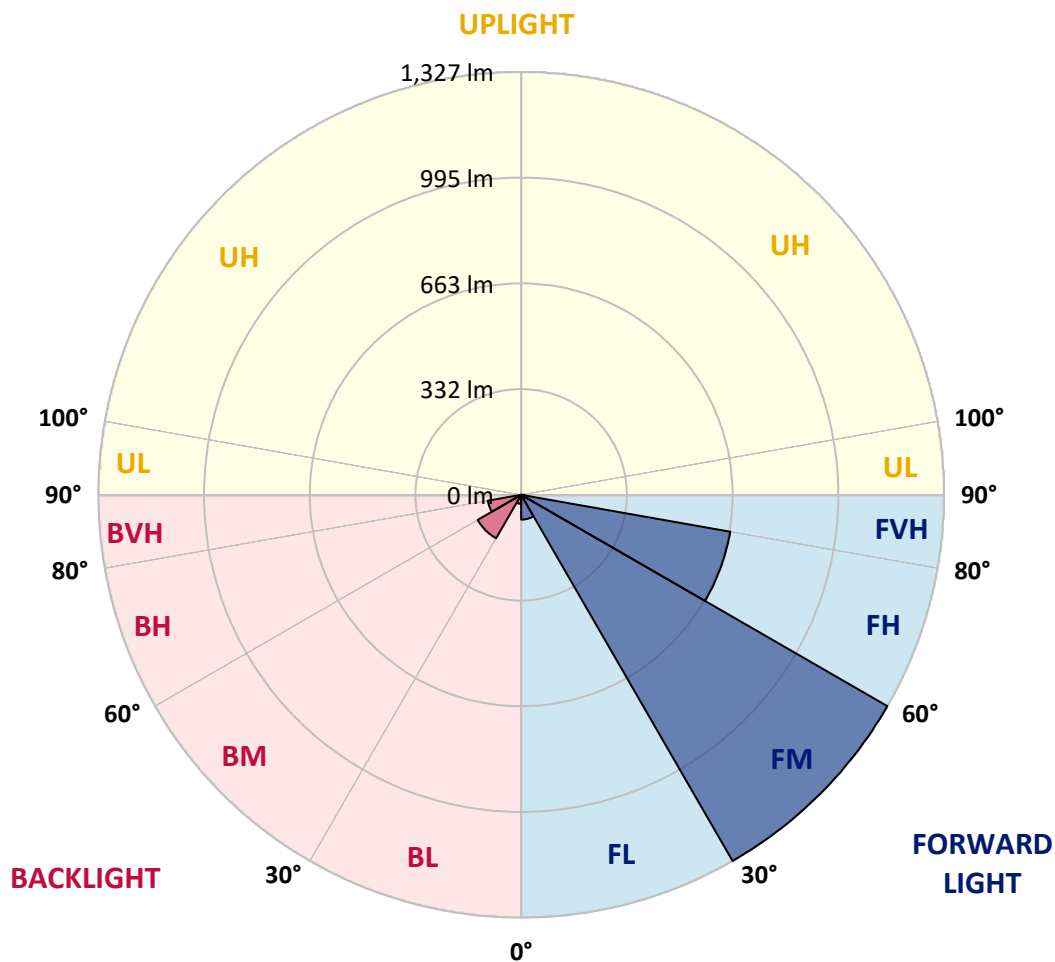
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	77.8	3.3			
FM (30°-60°)	1326.7	55.9			
FH (60°-80°)	666.1	28.1			G1/1800
FVH (80°-90°)	10.0	0.4			G1/100
BL (0°-30°)	28.3	1.2	B0/110		
BM (30°-60°)	157.5	6.6	B0/220		
BH (60°-80°)	106.2	4.5	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			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°	0.0	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°	46.7	19.4	14.6	9.1	2.8	0.8	0.4	0.0	0.0	0.0	0.0
7.5°	67.3	67.0	67.0	67.7	68.5	62.6	4.7	0.4	0.0	0.0	0.0
10°	64.1	63.8	63.8	65.0	66.2	67.3	67.7	2.4	1.5	0.0	0.0
12.5°	128.4	127.6	122.9	73.2	66.2	66.6	68.1	46.3	27.7	10.3	49.1
15°	126.3	126.0	126.3	129.2	129.2	68.9	103.0	139.0	138.7	90.3	105.8
17.5°	129.5	127.6	126.7	128.8	132.0	152.5	151.0	146.2	146.6	95.9	108.5
20°	186.6	187.0	189.8	145.0	136.7	192.9	171.1	153.7	156.1	184.2	199.7
22.5°	189.8	189.3	192.9	199.7	235.4	198.0	229.3	230.6	235.7	241.3	214.3
25°	262.3	261.9	214.3	210.0	251.5	222.3	274.6	249.6	254.0	254.7	262.7
27.5°	296.8	293.2	295.5	296.8	265.5	312.2	284.5	329.6	315.8	349.0	333.2
30°	378.0	366.8	339.5	343.9	328.5	332.8	344.6	393.8	380.7	370.0	364.1
32.5°	552.7	545.9	519.0	428.3	398.5	362.1	418.4	431.1	432.6	506.4	504.7
35°	807.4	759.8	664.8	597.8	477.4	473.0	463.9	544.7	548.7	576.8	576.4
37.5°	1136.6	1127.1	992.1	770.6	630.8	554.6	577.3	624.8	609.7	668.7	669.5
40°	1337.1	1328.0	1218.6	1027.7	805.9	697.2	669.9	715.9	690.5	792.8	772.9
42.5°	1481.7	1472.2	1392.5	1215.1	1061.7	939.0	815.7	835.1	818.9	910.4	901.7
45°	1568.1	1554.6	1520.5	1370.0	1272.1	1220.3	1026.1	983.7	987.7	1058.2	1048.7
47.5°	1563.4	1542.7	1551.4	1459.5	1450.0	1479.0	1288.0	1152.5	1197.7	1235.3	1210.8
50°	1439.7	1423.4	1472.6	1484.9	1566.5	1683.0	1565.3	1377.1	1433.8	1410.0	1358.9
52.5°	1210.8	1213.9	1285.2	1368.4	1586.7	1823.6	1831.5	1612.1	1688.9	1568.1	1493.6
55°	968.2	977.0	1055.1	1155.6	1463.1	1869.5	2053.8	1864.8	1931.7	1698.4	1591.1
57.5°	712.0	725.8	823.7	909.2	1203.6	1752.3	2163.5	2081.9	2121.9	1810.5	1667.5
60°	422.0	429.4	559.5	683.4	872.0	1404.8	2159.1	2231.3	2244.8	1926.6	1728.6
62.5°	249.2	253.2	296.8	461.1	574.5	921.2	1994.8	2340.2	2336.3	2000.7	1770.5
64°	181.9	184.6	211.5	334.8	429.4	641.4	1788.7	2354.9	2350.1	2025.6	1782.4
65°	152.1	154.5	173.5	264.2	357.3	490.5	1560.2	2328.7	2325.6	2038.3	1781.6
67.5°	122.0	122.4	128.0	154.9	243.3	257.5	903.3	2120.0	2110.4	2051.4	1752.3
70°	109.4	110.9	120.8	122.0	177.9	169.2	317.7	1688.5	1667.9	1947.6	1684.2
72.5°	86.7	89.1	105.0	119.7	128.4	126.7	145.0	1029.7	1038.0	1431.0	1411.6
75°	60.7	63.0	79.3	99.0	101.4	92.7	104.5	386.7	381.6	706.8	820.9
77.5°	37.6	38.9	49.5	71.3	94.3	61.4	72.9	112.1	120.0	219.1	224.2
80°	25.0	25.4	31.3	47.2	65.4	55.4	43.6	56.7	57.8	68.9	34.1
82.5°	13.9	14.2	19.8	29.7	39.2	49.1	28.1	34.1	36.0	42.8	18.2
85°	4.7	5.1	10.3	16.7	23.7	23.7	18.2	20.6	21.0	26.9	9.5
87.5°	0.0	0.0	2.4	4.4	4.0	1.5	4.0	3.2	2.8	4.4	1.5
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°	0.0	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	0.4	0.0	0.0	0.0	0.0	49.9	55.0	55.4	56.3
10°	0.0	0.0	0.4	0.4	0.0	53.1	56.3	55.0	52.3	51.5	50.7
12.5°	50.7	48.7	6.8	1.5	44.8	55.4	49.9	42.8	36.0	34.1	32.5
15°	104.5	103.4	92.3	101.4	63.0	47.6	35.3	38.1	32.1	30.1	29.4
17.5°	106.2	104.5	98.6	119.3	98.2	48.3	32.5	26.2	23.7	23.0	22.6
20°	201.6	195.7	143.4	117.2	75.3	49.1	25.0	21.0	19.4	21.4	22.6
22.5°	207.6	200.9	173.1	157.3	63.0	32.1	23.7	23.0	24.1	23.0	23.0
25°	261.9	242.0	190.2	129.2	55.9	28.5	26.9	21.0	19.4	18.6	18.6
27.5°	325.3	310.2	262.7	121.2	37.6	30.1	23.4	18.2	20.3	20.3	20.3
30°	347.8	326.8	265.5	106.2	33.2	27.3	19.8	19.8	17.8	17.1	17.1
32.5°	499.6	469.1	340.7	74.5	30.1	23.0	19.8	16.7	16.3	17.4	17.4
35°	556.6	521.0	332.0	55.0	26.5	21.0	17.1	16.3	15.4	15.4	15.4
37.5°	632.7	590.8	304.6	40.8	25.0	17.8	15.0	14.2	14.6	15.4	15.9
40°	732.1	681.4	282.4	33.7	21.4	15.4	13.5	13.9	13.9	13.9	13.9
42.5°	849.5	779.3	249.6	30.1	18.2	13.9	12.3	12.3	12.7	12.7	12.7
45°	984.1	886.3	203.7	26.5	15.9	11.9	11.0	11.0	11.0	10.7	11.0
47.5°	1126.8	1002.0	154.5	23.4	13.5	10.7	9.9	9.5	9.5	9.1	9.5
50°	1268.6	1109.7	112.9	20.3	11.9	9.5	8.3	8.3	8.3	7.9	7.9
52.5°	1381.9	1182.6	80.0	17.4	10.3	8.3	7.2	6.8	6.8	6.3	6.3
55°	1476.9	1226.2	58.6	14.6	9.1	7.2	5.9	5.5	5.5	5.1	5.5
57.5°	1550.3	1253.5	44.4	11.9	7.9	5.9	4.7	4.4	4.4	4.4	4.4
60°	1612.1	1262.6	34.1	9.9	6.8	4.7	4.0	3.6	3.6	3.2	3.6
62.5°	1669.5	1260.3	28.1	8.7	5.9	4.0	3.2	2.8	2.4	1.9	2.4
64°	1694.1	1253.9	25.4	7.6	5.5	3.6	2.8	2.4	1.9	1.2	1.5
65°	1704.3	1244.0	23.4	6.8	5.1	3.2	2.8	2.4	1.2	0.8	1.2
67.5°	1695.6	1192.9	18.2	5.9	4.0	2.4	1.9	1.5	0.4	0.4	0.8
70°	1598.6	1084.3	13.9	5.1	3.6	1.9	1.5	1.2	0.8	0.4	0.8
72.5°	1255.5	779.7	10.7	4.0	2.8	1.2	1.5	1.2	0.8	0.4	0.0
75°	673.5	292.8	7.9	3.2	2.4	1.2	1.2	0.8	0.4	0.4	0.0
77.5°	173.5	92.3	5.5	1.9	1.9	0.8	0.8	0.8	0.4	0.4	0.0
80°	26.9	13.1	2.4	1.5	1.2	0.4	0.8	0.4	0.4	0.8	0.0
82.5°	11.0	5.1	1.5	1.2	1.2	0.0	0.8	0.4	0.4	0.4	0.0
85°	2.8	1.9	1.2	0.8	0.8	0.0	0.4	0.0	0.4	0.4	0.0
87.5°	0.4	0.8	0.8	0.8	0.8	0.0	0.4	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)