

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: P413871

Luminaire Tested: **LXF.LXT-PA1-100-740-U-T4W-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413871  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-740-U-T4W-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7539 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

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

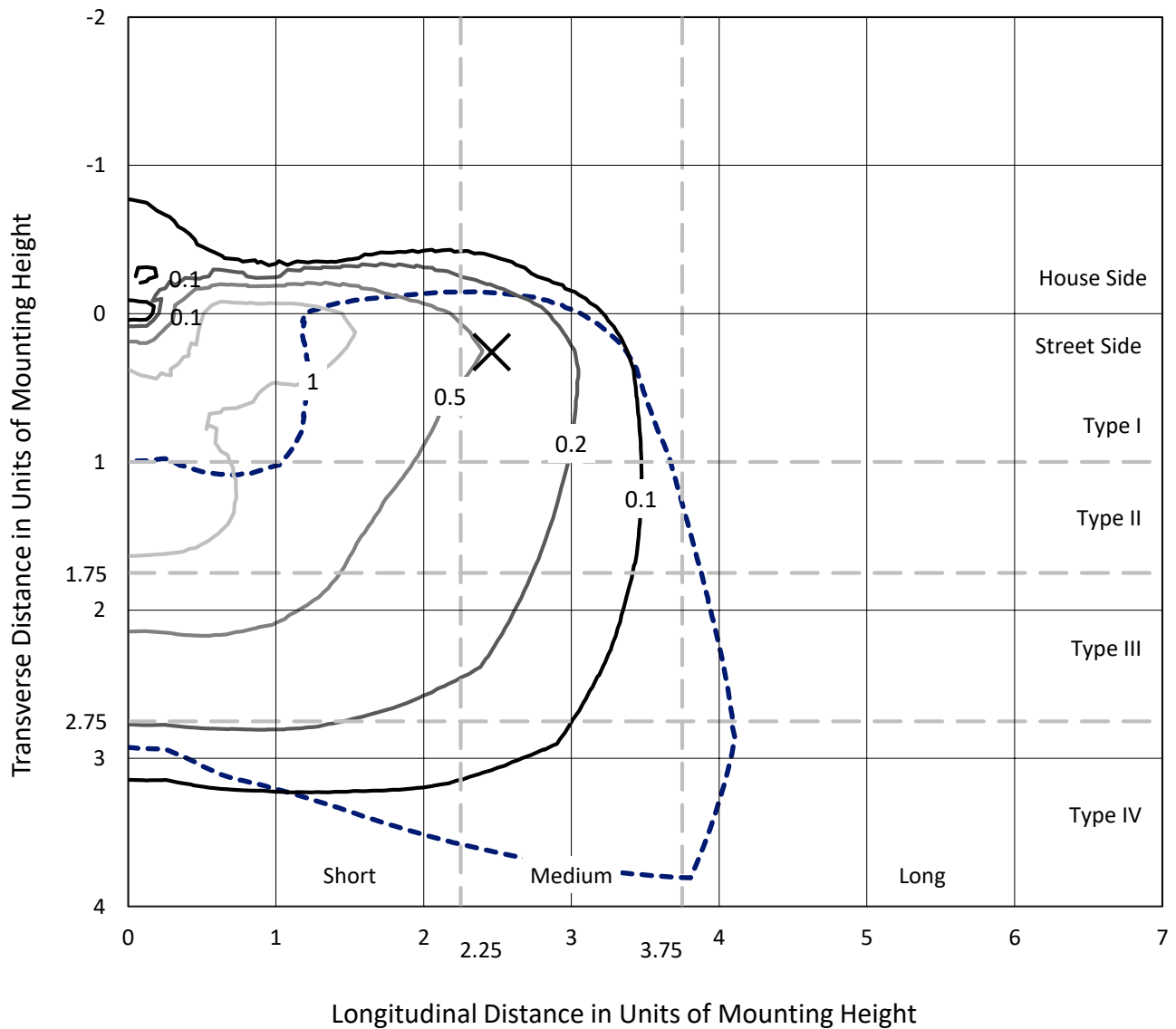


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

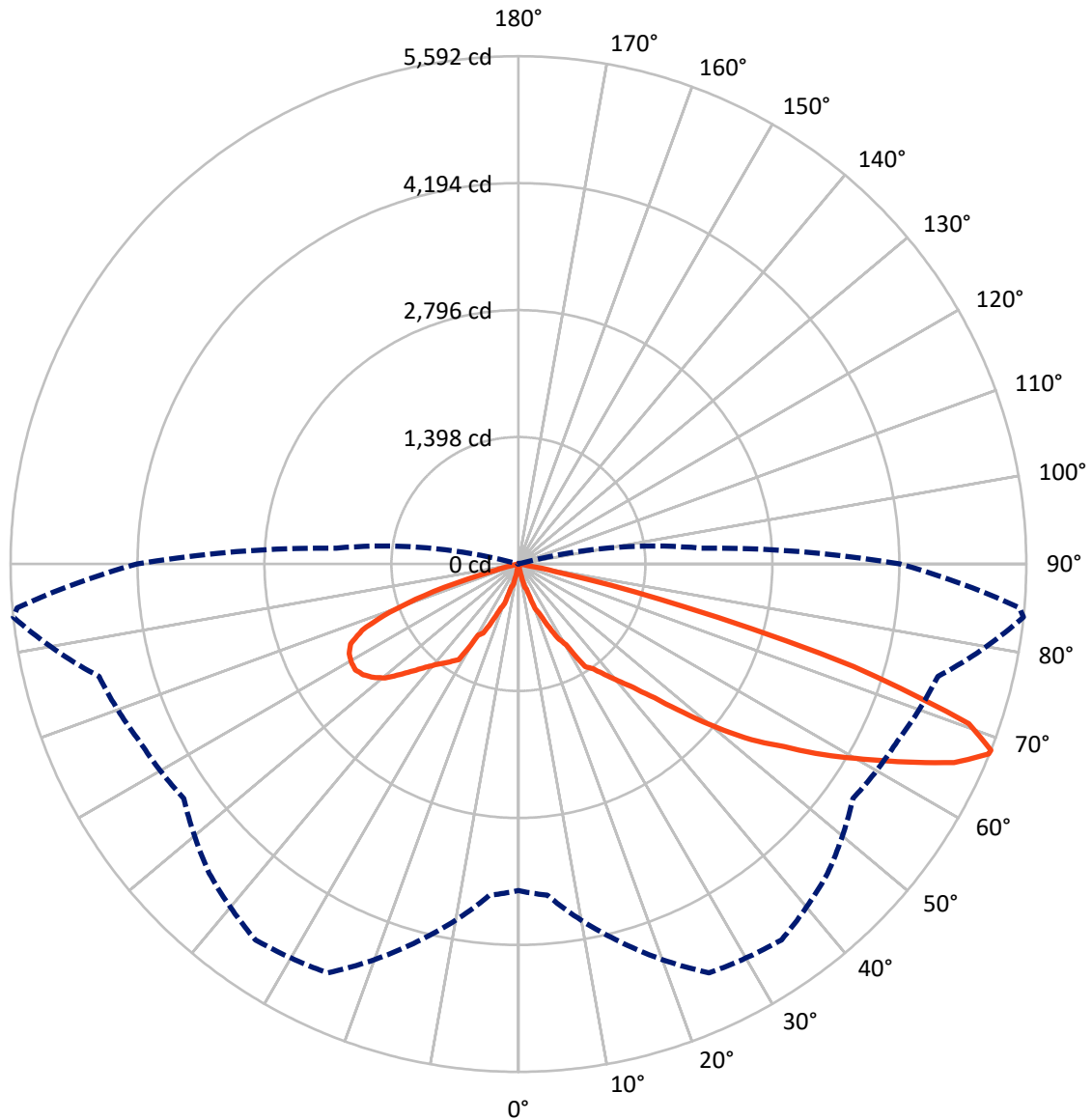


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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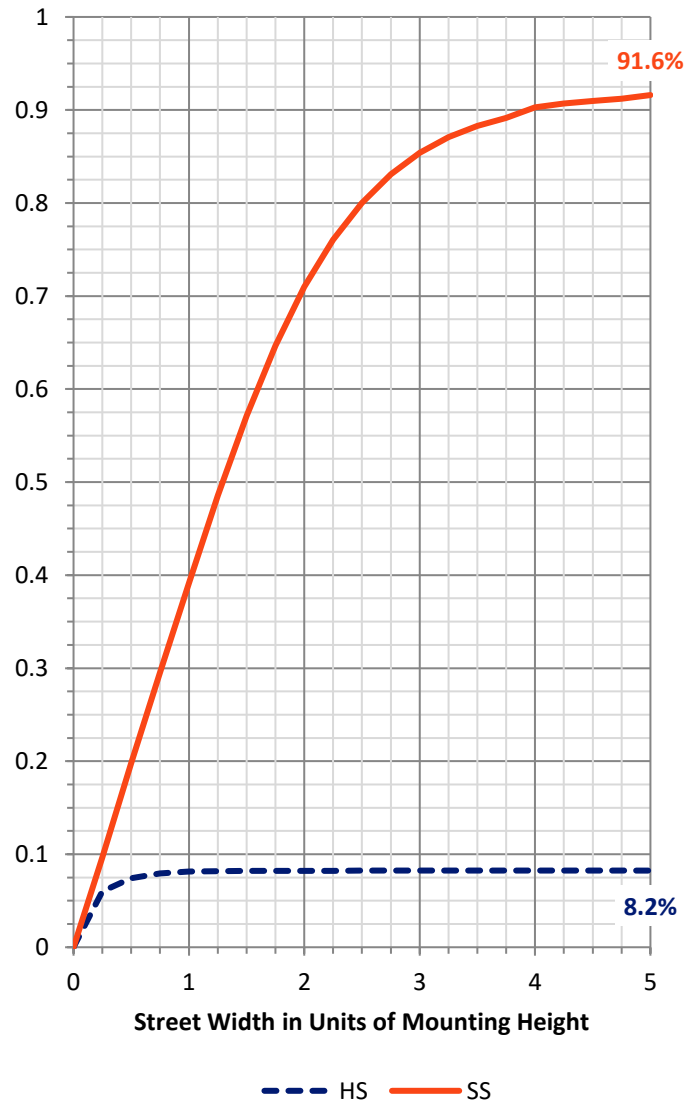
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	626.5	0.0	626.5
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	6912.5	0.0	6912.5
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	7539.0	0.0	7539.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	68.2	0.9
20°-30°	244.4	3.2
30°-40°	522.0	6.9
40°-50°	932.8	12.4
50°-60°	1655.1	22.0
60°-70°	2378.6	31.6
70°-80°	1601.2	21.2
80°-90°	131.6	1.7
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°	7539.0	100.0
0°-180°	7539.0	100.0

**Coefficient of Utilization**



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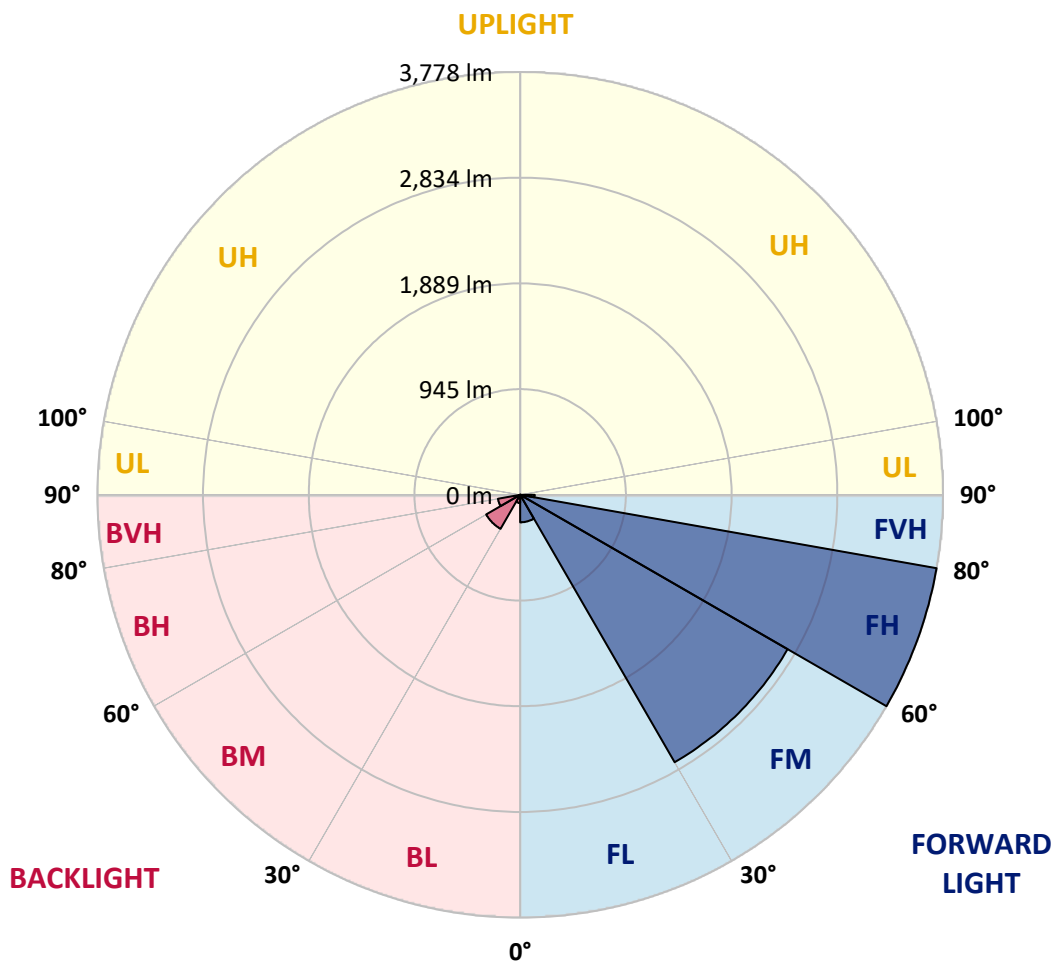
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.8	3.3			
FM	(30°-60°)	2759.0	36.6			
FH	(60°-80°)	3778.2	50.1			G2/5000
FVH	(80°-90°)	129.6	1.7			G2/225
BL	(0°-30°)	71.8	1.0	B0/110		
BM	(30°-60°)	351.0	4.7	B1/1000		
BH	(60°-80°)	201.7	2.7	B1/500		G1/500
BVH	(80°-90°)	2.0	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-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	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°	1.1	1.1	0.0	1.1	1.1	2.2	2.2	3.3	3.3	3.3	3.3
5°	57.9	49.1	48.0	42.6	30.6	7.6	2.2	3.3	3.3	3.3	3.3
7.5°	207.5	204.2	202.0	197.6	193.3	148.5	29.5	3.3	3.3	3.3	3.3
10°	222.7	218.4	215.1	209.6	203.1	195.4	186.7	24.0	3.3	3.3	3.3
12.5°	460.8	455.3	315.6	261.0	215.1	204.2	197.6	102.6	95.0	108.1	123.4
15°	484.8	480.4	468.4	453.1	407.3	230.4	310.1	385.4	251.1	267.5	267.5
17.5°	540.5	531.8	490.3	467.3	448.8	493.5	453.1	412.7	270.8	287.2	287.2
20°	756.7	754.5	742.5	518.7	471.7	624.6	493.5	440.0	500.1	521.9	496.8
22.5°	763.2	761.1	752.3	722.8	741.4	642.0	708.6	665.0	682.4	596.2	591.8
25°	1012.2	1003.5	803.6	735.9	836.4	684.6	842.9	733.8	720.7	744.7	744.7
27.5°	1030.7	1028.6	1022.0	979.4	858.2	969.6	868.1	949.9	968.5	920.5	945.6
30°	1173.8	1101.7	1063.5	1038.4	1011.1	1017.6	1013.3	1093.0	1008.9	1028.6	1017.6
32.5°	1366.0	1359.4	1339.8	1107.2	1123.6	1062.4	1181.4	1169.4	1304.8	1347.4	1340.8
35°	1633.5	1528.7	1400.9	1280.8	1166.1	1262.2	1220.7	1360.5	1394.4	1414.0	1454.4
37.5°	1868.2	1834.4	1715.4	1358.3	1291.7	1299.4	1396.5	1457.7	1507.9	1542.8	1560.3
40°	2083.3	2058.2	1978.5	1587.6	1359.4	1410.7	1490.4	1524.3	1623.6	1688.1	1689.2
42.5°	2402.2	2417.5	2343.2	1795.1	1542.8	1566.9	1634.6	1640.0	1728.5	1857.3	1861.7
45°	2800.7	2780.0	2761.4	2096.4	1717.6	1702.3	1796.2	1783.1	1919.6	2100.8	2122.6
47.5°	3185.1	3155.6	3105.4	2443.7	1960.0	1854.0	1985.1	1996.0	2208.9	2440.4	2449.1
50°	3482.1	3471.1	3420.9	2847.7	2282.1	2063.7	2194.7	2323.6	2549.6	2828.0	2846.6
52.5°	3809.6	3784.5	3696.1	3226.6	2695.9	2379.2	2445.8	2671.9	2908.8	3214.5	3212.4
55°	4028.0	4031.3	3947.2	3613.1	3071.5	2736.3	2762.5	3109.7	3236.4	3548.7	3571.6
57.5°	4318.4	4294.4	4317.4	4067.3	3580.3	3098.8	3159.9	3460.2	3573.8	3959.2	3974.5
60°	4534.6	4543.4	4656.9	4486.6	3974.5	3467.9	3520.3	3746.3	3910.1	4361.0	4409.1
62.5°	4542.3	4589.2	4895.0	4907.0	4401.4	3867.5	3833.6	4038.9	4183.1	4797.8	4855.7
65°	4126.3	4154.7	4843.7	5018.4	4797.8	4259.5	4131.7	4285.7	4452.8	5270.6	5281.5
67.5°	3709.2	3717.9	4382.9	4985.6	5035.8	4730.1	4449.5	4555.4	4717.0	5581.8	5543.6
68°	3595.6	3661.1	4303.2	4967.0	5051.1	4815.3	4497.5	4606.7	4781.4	5591.6	5538.1
70°	3259.3	3329.2	3919.9	4759.6	5043.5	5136.3	4760.7	4776.0	4821.8	5261.8	5090.4
72.5°	2191.4	2238.4	3102.1	4050.9	4879.7	5509.7	5054.4	4675.5	4326.1	3857.7	3705.9
75°	842.9	848.4	1563.6	2784.3	4219.1	5323.0	4744.3	3941.7	2938.3	1878.1	1763.4
77.5°	314.5	309.0	453.1	1290.6	2678.4	4136.1	3542.1	2416.4	1224.0	492.4	481.5
80°	111.4	114.6	175.8	388.7	1088.6	2416.4	1972.0	983.8	360.3	109.2	100.5
82.5°	43.7	47.0	89.5	184.5	467.3	1014.4	841.9	418.2	210.7	41.5	39.3
85°	9.8	10.9	34.9	91.7	178.0	293.7	295.9	255.5	174.7	19.7	18.6
87.5°	1.1	2.2	9.8	12.0	14.2	7.6	25.1	26.2	48.0	7.6	7.6
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°	3.3	3.3	3.3	2.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0
5°	3.3	3.3	3.3	2.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0
7.5°	3.3	3.3	3.3	2.2	1.1	1.1	0.0	96.1	99.4	102.6	103.7
10°	3.3	3.3	3.3	2.2	2.2	100.5	117.9	113.6	105.9	102.6	103.7
12.5°	119.0	115.7	37.1	7.6	91.7	110.3	90.6	75.3	67.7	62.2	62.2
15°	259.9	250.0	208.6	159.4	149.6	85.2	57.9	49.1	72.1	87.4	87.4
17.5°	276.2	264.2	233.7	231.5	151.8	74.2	60.1	77.5	81.9	86.3	86.3
20°	535.0	479.3	329.8	221.7	111.4	90.6	75.3	74.2	77.5	83.0	84.1
22.5°	573.2	545.9	414.9	268.6	101.5	98.3	87.4	83.0	111.4	121.2	121.2
25°	728.3	702.1	446.6	214.0	123.4	100.5	110.3	103.7	105.9	114.6	114.6
27.5°	931.4	883.3	586.3	180.2	114.6	109.2	112.5	103.7	122.3	145.2	145.2
30°	1031.8	935.8	561.2	159.4	116.8	119.0	108.1	126.7	126.7	135.4	136.5
32.5°	1376.9	1310.3	632.2	134.3	116.8	109.2	117.9	120.1	117.9	152.9	154.0
35°	1465.3	1385.6	541.6	139.8	111.4	105.9	105.9	119.0	126.7	134.3	135.4
37.5°	1573.4	1469.7	425.8	131.0	115.7	102.6	97.2	101.5	111.4	131.0	132.1
40°	1711.0	1561.4	327.6	123.4	108.1	93.9	88.4	92.8	92.8	98.3	99.4
42.5°	1896.6	1670.6	242.4	117.9	101.5	86.3	77.5	72.1	68.8	67.7	68.8
45°	2151.0	1810.4	181.3	112.5	97.2	76.4	64.4	52.4	43.7	43.7	44.8
47.5°	2453.5	1966.5	147.4	103.7	90.6	65.5	49.1	33.8	27.3	28.4	29.5
50°	2775.6	2131.4	128.8	96.1	83.0	53.5	32.8	20.7	17.5	18.6	19.7
52.5°	3073.7	2238.4	121.2	88.4	73.2	41.5	20.7	14.2	13.1	13.1	14.2
55°	3372.9	2319.2	114.6	80.8	59.0	27.3	12.0	10.9	10.9	9.8	9.8
57.5°	3651.3	2367.2	103.7	69.9	41.5	16.4	8.7	8.7	7.6	7.6	7.6
60°	3906.8	2361.8	83.0	52.4	26.2	9.8	6.6	6.6	5.5	5.5	5.5
62.5°	4167.8	2337.7	59.0	37.1	17.5	6.6	4.4	4.4	3.3	2.2	3.3
65°	4325.0	2270.1	39.3	26.2	10.9	4.4	3.3	2.2	1.1	0.0	1.1
67.5°	4259.5	2073.5	29.5	19.7	7.6	3.3	2.2	1.1	0.0	0.0	0.0
68°	4199.4	2011.3	27.3	18.6	6.6	3.3	2.2	1.1	0.0	0.0	0.0
70°	3726.6	1676.1	24.0	15.3	5.5	3.3	2.2	1.1	0.0	0.0	0.0
72.5°	2486.2	1088.6	19.7	12.0	4.4	2.2	2.2	1.1	0.0	0.0	0.0
75°	1146.5	349.4	15.3	9.8	3.3	2.2	2.2	1.1	0.0	0.0	0.0
77.5°	305.7	74.2	9.8	6.6	3.3	2.2	2.2	1.1	1.1	1.1	0.0
80°	73.2	22.9	6.6	5.5	3.3	2.2	2.2	1.1	1.1	1.1	0.0
82.5°	27.3	12.0	4.4	4.4	3.3	2.2	2.2	1.1	2.2	2.2	0.0
85°	12.0	7.6	4.4	4.4	3.3	2.2	2.2	2.2	2.2	3.3	0.0
87.5°	5.5	5.5	4.4	4.4	4.4	2.2	3.3	3.3	3.3	3.3	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)