

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: P415447

Luminaire Tested: **LXF.LXT-PA1-50-730-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415447  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-730-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4953 lumens  
Efficiency: N/A  
Efficacy: 91.7 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 - G2

Input Watts (W): 54  
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

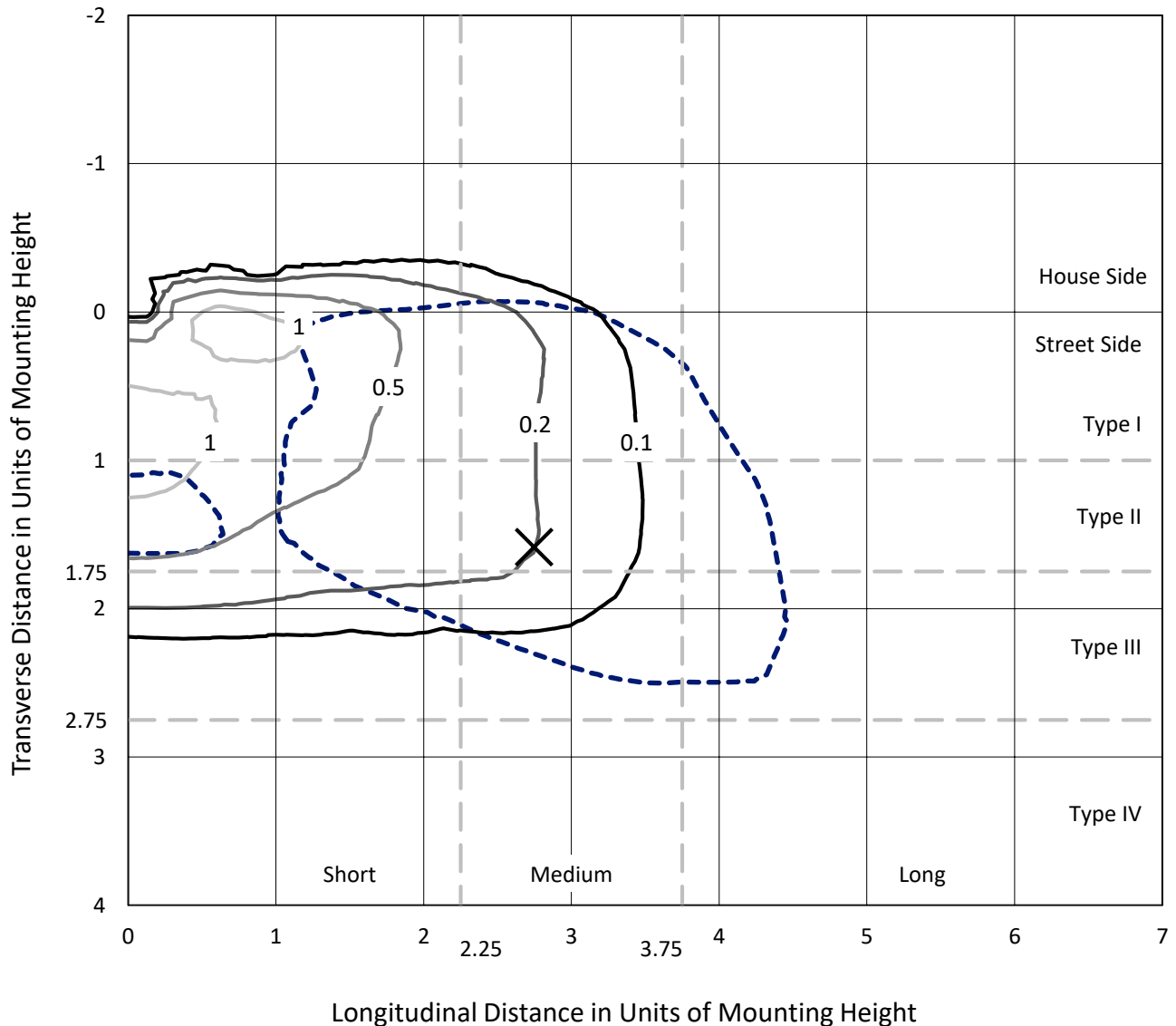


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### Iso-Footcandle Lines of Horizontal Illumination

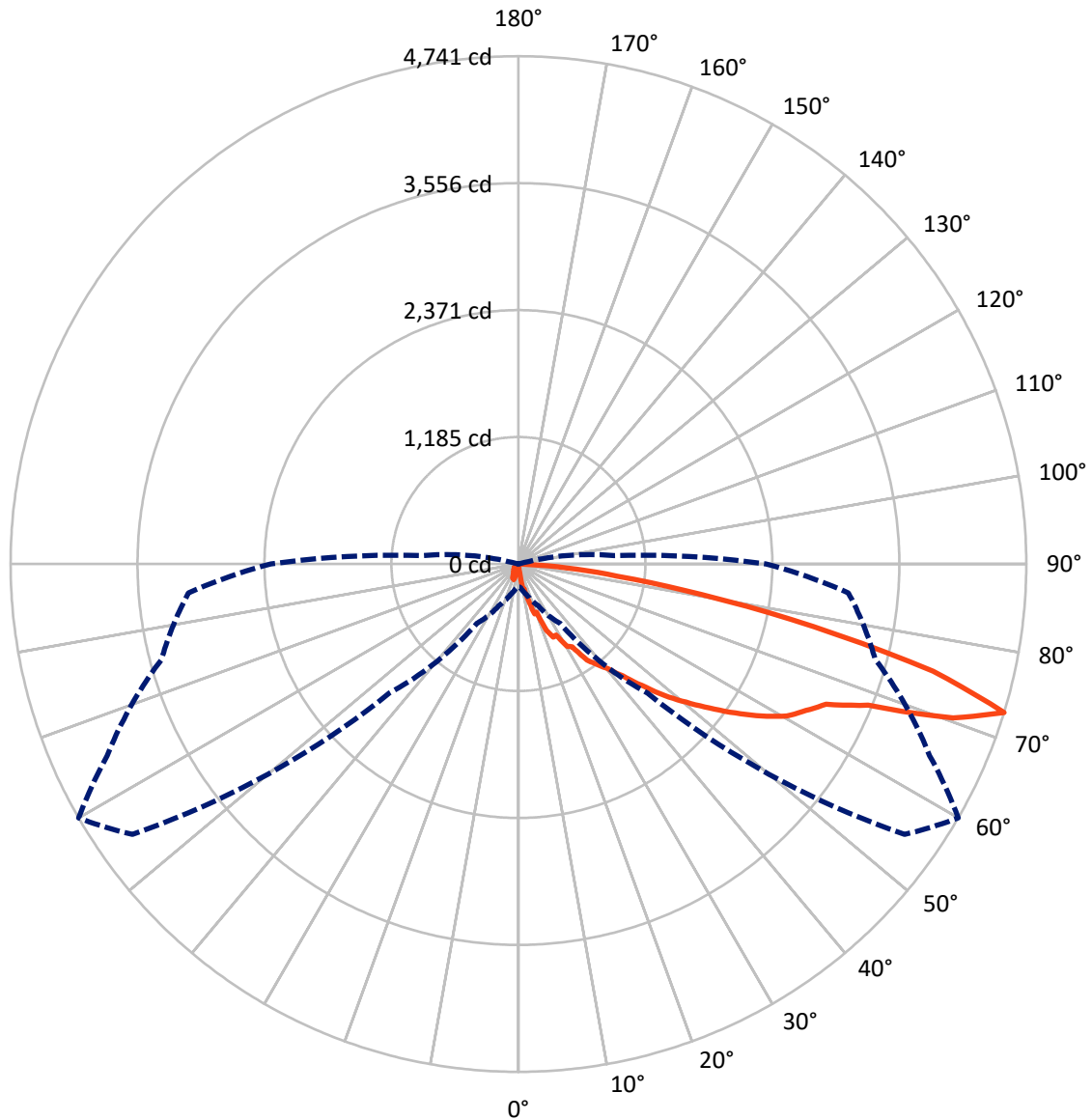
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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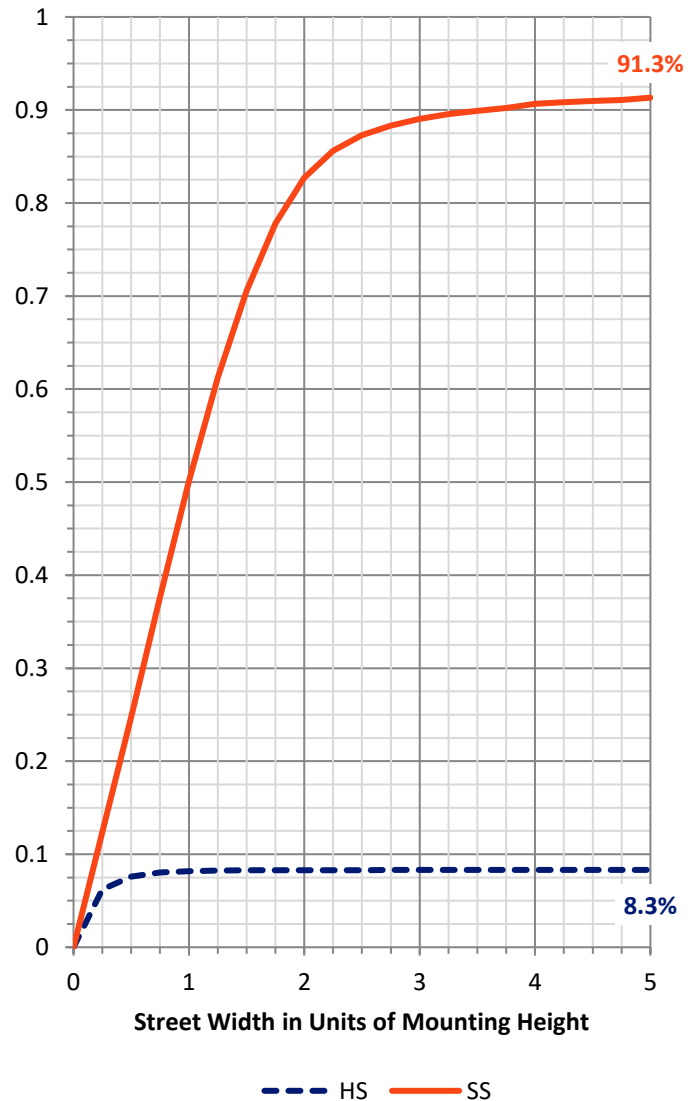
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	415.4	0.0	415.4
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	4537.6	0.0	4537.6
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	4953.0	0.0	4953.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.6	0.1
10°-20°	69.0	1.4
20°-30°	215.7	4.4
30°-40°	465.1	9.4
40°-50°	790.8	16.0
50°-60°	1169.1	23.6
60°-70°	1271.7	25.7
70°-80°	866.7	17.5
80°-90°	98.3	2.0
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°	4953.0	100.0
0°-180°	4953.0	100.0

**Coefficient of Utilization**



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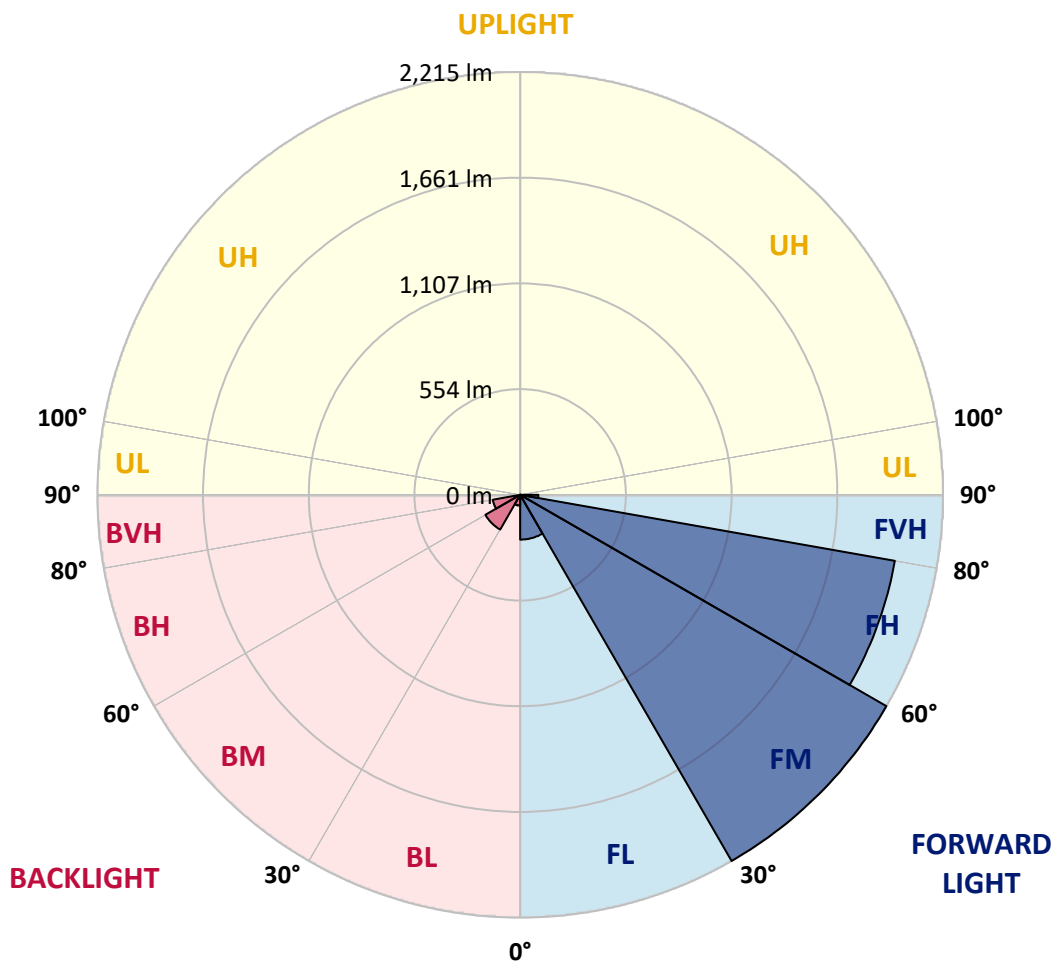
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	234.6	4.7			
FM	(30°-60°)	2214.9	44.7			
FH	(60°-80°)	1992.8	40.2			G2/5000
FVH	(80°-90°)	95.3	1.9			G1/100
BL	(0°-30°)	56.8	1.1	B0/110		
BM	(30°-60°)	210.1	4.2	B0/220		
BH	(60°-80°)	145.6	2.9	B1/500		G1/500
BVH	(80°-90°)	3.0	0.1			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	4.5	3.2	3.2	2.6	1.9	1.9	1.9	2.6	2.6	1.9	2.6
5°	253.4	250.1	250.1	251.4	163.3	27.6	15.4	6.4	2.6	2.6	2.6
7.5°	240.5	237.9	239.2	242.4	244.3	247.6	247.6	75.9	24.4	2.6	2.6
10°	246.3	244.3	234.1	232.1	236.0	239.2	240.5	246.3	239.2	7.1	2.6
12.5°	433.4	430.2	430.2	436.0	253.4	231.5	234.1	239.8	207.1	27.0	14.8
15°	414.7	412.2	412.8	419.9	429.5	304.8	240.5	356.2	457.2	412.8	327.9
17.5°	578.7	498.3	430.8	410.2	412.2	425.7	466.2	490.0	464.9	470.0	357.5
20°	590.9	586.4	583.9	588.4	421.8	561.4	592.9	481.0	468.1	503.5	659.7
22.5°	611.5	601.2	580.6	578.1	649.5	553.0	574.2	672.6	690.6	737.5	686.7
25°	828.2	820.5	799.3	608.3	666.2	635.3	724.0	756.8	745.9	776.8	744.6
27.5°	909.9	895.1	849.4	789.6	707.3	749.1	732.4	750.4	823.7	1070.0	1050.1
30°	1275.1	1235.9	1109.9	909.2	841.1	780.0	852.0	889.9	951.7	1095.1	1076.4
32.5°	1385.7	1343.9	1252.6	1157.4	996.7	884.2	937.5	920.8	965.2	1336.2	1413.4
35°	1707.9	1688.6	1524.0	1259.7	1218.5	1043.0	984.5	1099.6	1165.2	1354.8	1485.4
37.5°	1711.7	1713.0	1703.4	1524.6	1336.2	1172.2	1183.2	1187.7	1238.5	1443.6	1569.0
40°	1766.4	1775.4	1799.2	1664.1	1505.3	1359.3	1330.4	1285.4	1330.4	1543.3	1683.4
42.5°	1880.8	1887.3	1940.0	1799.2	1639.1	1505.3	1520.1	1428.2	1460.9	1731.7	1839.0
45°	2082.1	2078.2	2144.5	1941.3	1763.8	1671.9	1688.6	1617.8	1597.9	1886.0	2021.7
47.5°	2309.7	2323.9	2321.3	2098.2	1887.9	1826.8	1875.1	1837.1	1758.7	2082.8	2234.5
50°	2525.1	2520.6	2453.8	2186.9	1998.5	1978.6	2089.8	2027.5	1956.1	2282.7	2439.6
52.5°	2603.6	2607.5	2527.7	2240.3	2093.0	2129.0	2295.6	2232.6	2140.0	2425.5	2643.5
55°	2589.5	2594.6	2549.6	2294.9	2163.8	2269.9	2509.1	2455.1	2350.9	2580.4	2796.5
57.5°	2457.0	2457.0	2493.6	2329.0	2232.6	2395.9	2699.4	2677.5	2548.9	2709.1	2887.8
60°	2118.8	2154.8	2269.9	2287.9	2313.6	2532.2	2887.8	2880.7	2724.5	2829.3	2941.8
62.5°	1629.4	1641.0	1895.6	2088.5	2320.0	2715.5	3046.6	3012.6	2854.4	2866.0	2979.8
65°	924.0	976.8	1212.1	1699.5	2188.2	2907.1	3301.9	3156.0	2968.2	2909.7	3119.3
67.5°	497.7	517.0	648.2	1028.8	1793.4	2928.3	3880.6	3519.9	3238.3	3139.9	3392.6
70°	321.5	342.1	412.8	565.2	1124.6	2589.5	4425.3	4303.8	3795.8	3455.0	3434.4
72.5°	209.0	221.2	297.7	425.7	676.5	1705.9	4400.2	4741.0	4236.2	3449.2	3091.7
75°	84.9	93.2	149.2	354.3	571.6	835.9	3375.9	3997.7	3977.1	3065.3	2392.7
77.5°	42.4	45.0	66.2	191.6	507.3	578.7	2136.1	2819.7	2831.2	2234.5	1330.4
80°	27.6	27.0	37.9	90.0	345.9	526.6	1194.7	1732.3	1619.8	847.5	373.0
82.5°	10.9	11.6	20.6	51.4	144.7	476.5	681.6	932.4	729.2	165.3	107.4
85°	1.9	1.9	6.4	27.6	45.7	218.0	439.8	451.4	299.6	52.1	54.0
87.5°	0.6	0.6	1.3	1.9	3.2	5.1	19.3	9.0	5.8	9.0	10.3
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	2.6	2.6	2.6	1.9	1.9	1.3	0.0	0.0	0.6	0.6	0.6
5°	2.6	2.6	2.6	1.9	1.9	0.6	0.0	0.0	0.6	0.6	0.6
7.5°	2.6	2.6	2.6	1.9	1.3	0.6	0.0	0.0	0.6	0.6	0.6
10°	2.6	2.6	2.6	1.9	1.3	0.6	18.6	119.0	122.8	123.5	122.2
12.5°	16.1	16.7	9.0	1.9	1.3	110.6	110.0	92.0	80.4	75.9	70.1
15°	349.2	331.8	274.6	162.0	89.4	90.7	66.9	49.5	39.9	37.3	36.0
17.5°	345.9	320.9	252.7	147.9	155.6	68.2	36.0	39.9	52.1	52.7	52.7
20°	650.1	570.4	246.9	165.3	104.8	59.2	46.9	49.5	49.5	50.2	49.5
22.5°	677.7	598.0	369.7	210.9	75.2	62.4	53.4	46.3	47.6	61.7	59.8
25°	683.5	586.4	342.7	165.3	72.7	62.4	58.5	56.6	63.7	63.7	64.3
27.5°	985.1	824.4	415.4	124.1	72.0	64.9	64.9	59.2	57.2	56.6	57.2
30°	983.2	796.1	354.3	104.8	69.4	64.3	58.5	52.7	63.7	64.3	64.3
32.5°	1290.5	1017.9	342.7	84.9	69.4	59.2	51.4	54.7	50.8	50.8	50.8
35°	1308.6	992.2	270.1	88.1	61.7	54.0	50.2	42.4	45.0	45.7	44.4
37.5°	1343.3	974.2	205.1	79.7	61.7	50.2	41.2	37.9	35.4	34.7	34.7
40°	1405.6	975.5	158.2	73.3	57.9	45.7	36.7	30.9	32.2	32.2	31.5
42.5°	1498.9	994.1	124.1	67.5	52.1	40.5	30.9	27.6	25.7	25.7	25.1
45°	1622.3	1034.0	101.6	63.0	47.6	34.7	25.1	22.5	20.6	20.6	19.9
47.5°	1775.4	1089.9	88.7	58.5	42.4	28.9	20.6	18.0	16.7	16.1	16.1
50°	1938.7	1156.8	81.7	54.7	36.7	23.1	16.7	14.1	12.9	12.9	12.2
52.5°	2107.8	1233.3	75.9	52.1	31.5	19.3	12.9	10.3	9.6	9.0	9.6
55°	2244.8	1279.6	72.0	51.4	26.4	15.4	9.6	7.7	7.1	6.4	6.4
57.5°	2334.8	1304.7	66.9	47.6	21.2	11.6	7.1	5.1	4.5	4.5	4.5
60°	2405.5	1318.8	60.4	37.9	16.7	8.4	4.5	3.2	3.2	3.2	3.2
62.5°	2461.5	1328.5	50.8	29.6	12.9	5.8	3.2	1.9	1.9	1.9	1.9
65°	2627.4	1385.1	39.2	22.5	9.6	3.9	1.9	1.3	0.6	1.3	1.3
67.5°	2829.3	1408.9	28.9	16.1	7.1	2.6	1.3	0.6	0.6	0.6	1.3
70°	2749.6	1227.5	21.2	11.6	5.1	1.9	1.3	0.6	0.6	0.6	1.3
72.5°	2310.4	897.0	15.4	8.4	3.9	1.9	1.3	0.6	0.6	1.3	1.3
75°	1661.6	506.1	12.2	5.8	3.2	1.9	1.3	1.3	1.3	1.9	1.9
77.5°	781.9	188.4	12.2	5.1	3.2	1.9	1.3	1.3	1.9	2.6	1.3
80°	189.7	46.9	12.2	4.5	3.2	1.9	1.9	1.9	2.6	2.6	1.3
82.5°	63.7	19.9	9.0	3.9	3.2	1.9	1.9	2.6	2.6	3.2	1.9
85°	38.6	12.9	6.4	4.5	3.9	1.9	2.6	2.6	3.2	3.9	1.9
87.5°	6.4	5.1	4.5	4.5	3.9	2.6	2.6	3.2	3.2	3.9	2.6
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)