

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: P413914

Luminaire Tested: **LXF.LXT-PA1-100-750-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413914  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-750-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7683 lumens  
Efficiency: N/A  
Efficacy: 80.0 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

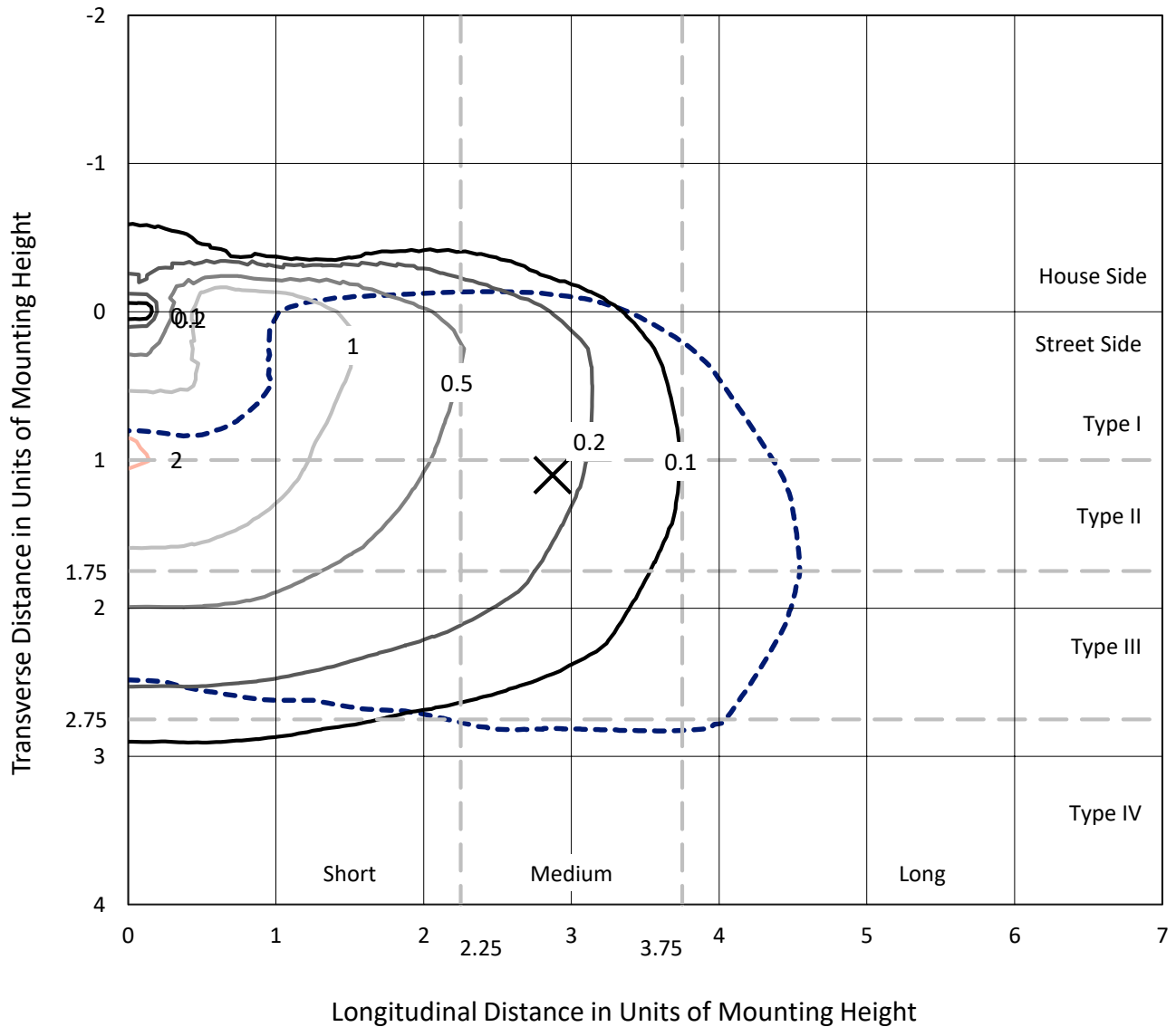
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

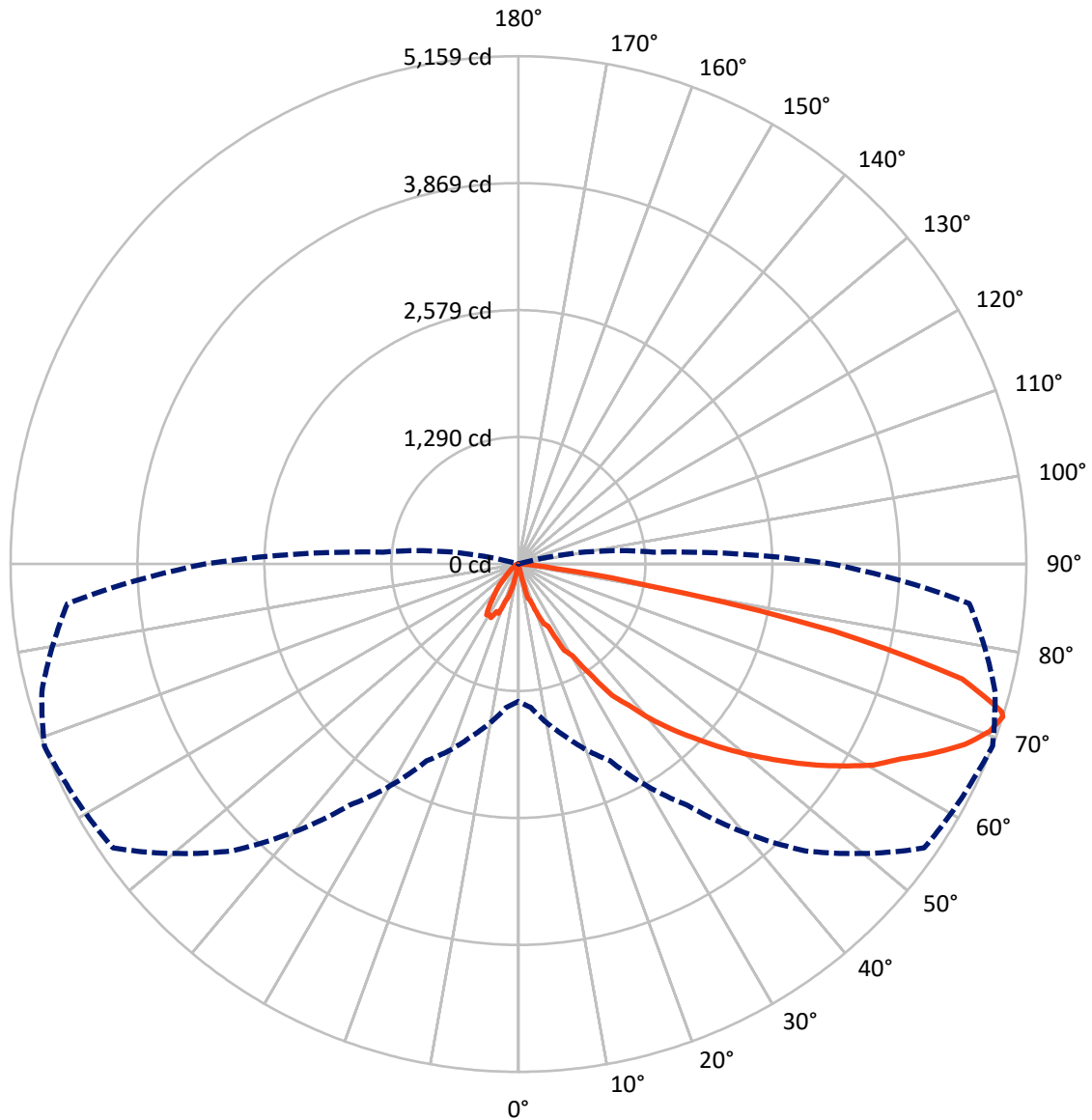
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P413914  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical



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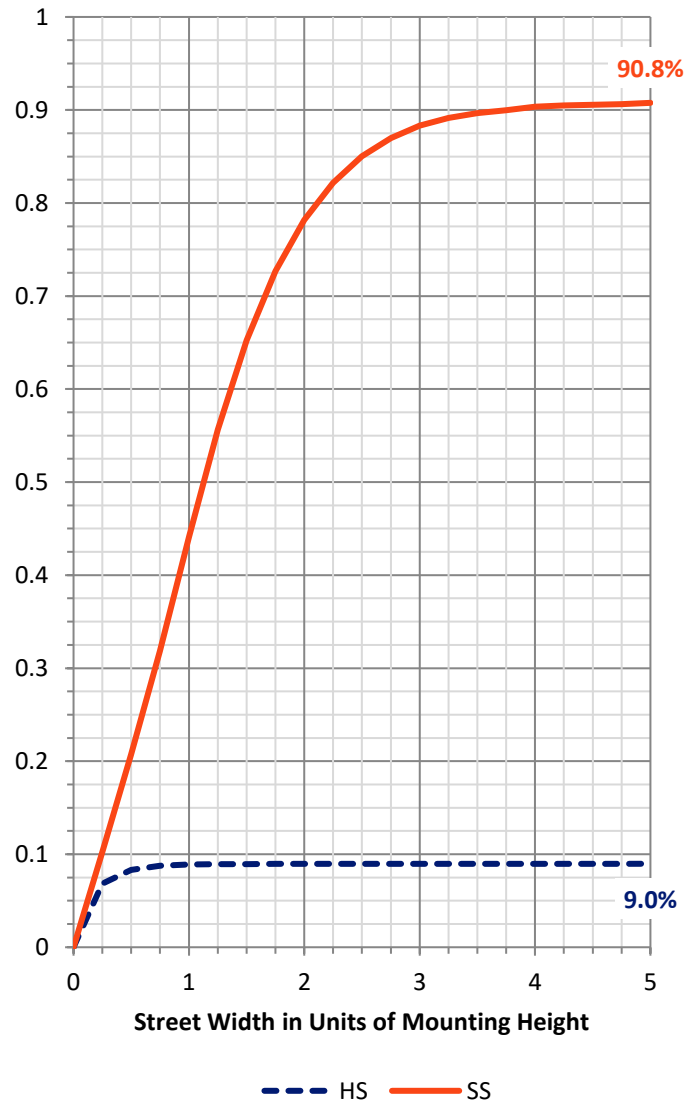
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	696.7	0.0	696.7
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	6986.3	0.0	6986.3
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	7683.0	0.0	7683.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	66.8	0.9
20°-30°	239.3	3.1
30°-40°	611.2	8.0
40°-50°	1209.4	15.7
50°-60°	1905.8	24.8
60°-70°	2216.7	28.9
70°-80°	1345.7	17.5
80°-90°	83.3	1.1
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°	7683.0	100.0
0°-180°	7683.0	100.0



REPORT NUMBER: P413914

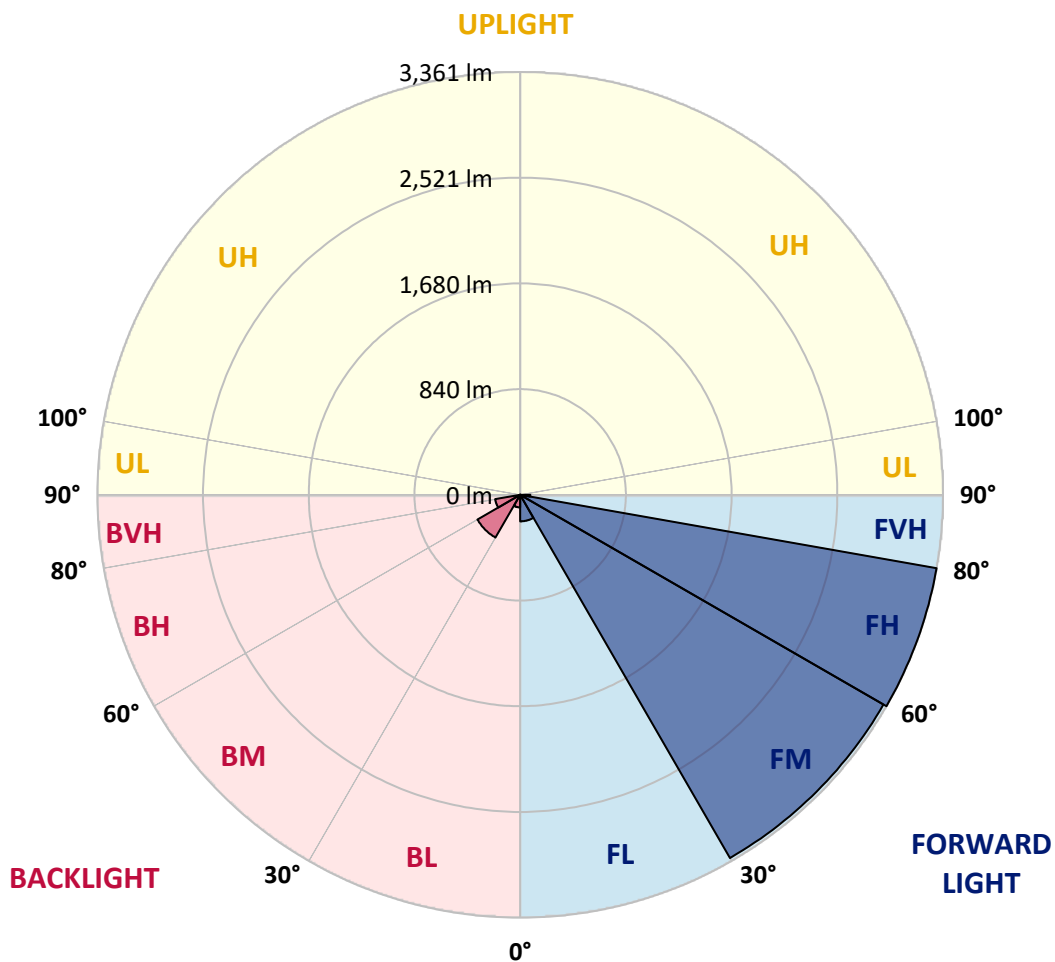
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.9	2.7			
FM (30°-60°)	3334.2	43.4			
FH (60°-80°)	3360.8	43.7			G2/5000
FVH (80°-90°)	80.4	1.0			G1/100
BL (0°-30°)	100.1	1.3	B0/110		
BM (30°-60°)	392.2	5.1	B1/1000		
BH (60°-80°)	201.6	2.6	B1/500		G1/500
BVH (80°-90°)	2.9	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°	69°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	1.1	1.1	1.1	1.1	2.2	2.2	3.3	3.3	3.3	3.3	3.3
5°	107.0	69.9	52.4	43.7	21.8	5.5	3.3	3.3	3.3	3.3	3.3
7.5°	164.9	164.9	166.0	167.0	170.3	143.0	30.6	3.3	3.3	3.3	3.3
10°	159.4	158.3	158.3	160.5	164.9	169.2	173.6	22.9	5.5	3.3	3.3
12.5°	311.2	307.9	286.0	199.8	163.8	166.0	174.7	133.2	37.1	21.8	125.6
15°	307.9	306.8	309.0	314.4	316.6	176.9	258.8	351.6	359.2	242.4	293.7
17.5°	336.3	326.4	311.2	313.3	323.2	379.9	365.7	381.0	388.7	271.9	317.7
20°	465.1	464.0	466.2	365.7	341.7	481.5	423.6	413.8	514.2	538.2	597.2
22.5°	474.9	472.7	476.0	486.9	547.0	503.3	613.6	627.8	657.3	727.1	682.4
25°	664.9	664.9	545.9	508.8	623.4	568.8	759.9	714.0	698.7	780.6	877.8
27.5°	802.5	793.7	765.3	710.7	648.5	804.6	809.0	976.1	990.2	1089.6	1108.2
30°	1016.4	1004.4	929.1	886.5	804.6	846.1	944.4	1160.6	1082.0	1161.7	1242.4
32.5°	1504.5	1487.0	1392.0	1116.9	1014.3	917.1	1132.2	1245.7	1323.2	1539.4	1627.8
35°	1948.8	1835.3	1705.4	1495.7	1229.3	1192.2	1221.7	1544.9	1636.6	1703.2	1792.7
37.5°	2396.5	2398.6	2268.7	1760.0	1553.6	1376.7	1472.8	1726.1	1818.9	1917.2	1998.0
40°	2755.7	2701.1	2527.5	2154.1	1833.1	1656.2	1668.2	1903.0	2067.8	2191.2	2207.6
42.5°	3214.2	3191.3	2935.8	2514.4	2194.5	2022.0	1969.6	2085.3	2303.7	2385.5	2435.8
45°	3653.1	3619.3	3402.0	2924.9	2581.0	2387.7	2315.7	2316.8	2531.8	2619.2	2691.2
47.5°	3981.7	3927.1	3810.3	3302.6	3066.8	2787.3	2637.7	2581.0	2790.6	2904.1	2944.5
50°	4325.6	4236.1	4143.3	3729.5	3486.1	3243.7	2957.6	2894.3	3046.1	3172.7	3205.5
52.5°	4556.0	4426.1	4361.7	4034.1	3861.6	3707.7	3277.5	3206.6	3314.6	3464.2	3438.0
55°	4439.2	4398.8	4468.7	4297.3	4130.2	3959.9	3625.8	3567.9	3596.3	3721.9	3659.7
57.5°	4195.7	4207.7	4414.1	4446.8	4371.5	4211.0	3938.1	3928.2	3870.4	3973.0	3892.2
60°	3941.3	3986.1	4273.2	4437.0	4491.6	4438.1	4267.8	4195.7	4144.4	4216.5	4153.1
62.5°	3600.7	3609.4	3994.8	4349.7	4445.7	4615.0	4498.1	4463.2	4357.3	4464.3	4438.1
65°	3172.7	3183.6	3546.1	4049.4	4308.2	4648.8	4678.3	4715.4	4633.5	4663.0	4746.0
67.5°	2694.5	2715.3	3031.9	3517.7	4012.3	4582.2	4827.9	4898.8	4892.3	4883.5	4965.4
70°	2181.4	2195.6	2453.2	2879.0	3534.1	4398.8	4966.5	5057.1	5082.2	5021.1	4963.2
72°	1395.3	1464.1	1804.7	2206.5	2991.5	4120.4	5028.7	5115.0	5158.7	5012.4	4597.5
72.5°	1096.1	1150.7	1667.2	2022.0	2805.9	4056.0	5016.7	5095.3	5135.7	4964.3	4442.5
75°	235.8	242.4	521.9	982.6	1769.8	3107.2	4600.8	4610.6	4654.3	4325.6	3041.7
77.5°	101.5	102.6	145.2	324.3	635.4	1588.5	3184.7	3275.3	3272.1	2799.3	1470.6
80°	71.0	73.1	86.3	148.5	302.4	459.6	1555.8	1565.6	1347.3	1001.2	366.8
82.5°	37.1	39.3	61.1	88.4	205.3	168.1	503.3	507.7	374.5	235.8	85.2
85°	6.6	9.8	29.5	53.5	79.7	67.7	110.3	138.7	120.1	93.9	36.0
87.5°	1.1	1.1	7.6	7.6	10.9	6.6	10.9	12.0	13.1	19.7	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P413914

CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.3	3.3	3.3	3.3	2.2	1.1	0.0	0.0	0.0	0.0	0.0
5°	3.3	3.3	3.3	3.3	2.2	1.1	0.0	0.0	0.0	0.0	0.0
7.5°	3.3	3.3	3.3	3.3	2.2	1.1	0.0	100.4	135.4	144.1	153.9
10°	3.3	4.4	3.3	3.3	2.2	137.6	169.2	171.4	173.6	173.6	172.5
12.5°	138.7	141.9	50.2	9.8	127.7	174.7	166.0	151.8	138.7	134.3	133.2
15°	297.0	298.1	269.7	232.5	247.8	164.9	129.9	147.4	149.6	144.1	144.1
17.5°	319.9	319.9	305.7	373.4	313.3	164.9	136.5	112.5	96.1	91.7	90.6
20°	633.2	554.6	448.7	378.8	255.5	184.5	96.1	81.9	79.7	79.7	83.0
22.5°	683.5	673.6	584.1	511.0	219.4	129.9	93.9	93.9	111.4	109.2	108.1
25°	892.0	878.9	661.6	444.4	219.4	111.4	119.0	104.8	102.6	100.4	98.3
27.5°	1127.8	1100.5	930.2	401.8	155.0	116.8	113.5	99.4	117.9	117.9	116.8
30°	1283.9	1181.3	936.7	360.3	131.0	124.5	107.0	115.7	104.8	98.3	98.3
32.5°	1663.9	1616.9	1145.3	254.4	124.5	112.5	112.5	99.4	88.4	91.7	90.6
35°	1784.0	1722.8	1019.7	191.1	114.6	103.7	93.9	87.3	75.3	67.7	66.6
37.5°	1932.5	1852.8	856.0	147.4	112.5	91.7	77.5	66.6	57.9	57.9	56.8
40°	2114.8	1993.6	699.8	125.6	99.4	78.6	60.0	51.3	45.9	42.6	41.5
42.5°	2314.6	2126.8	538.2	113.5	86.3	64.4	44.8	37.1	33.8	32.8	32.8
45°	2525.3	2250.2	386.5	103.7	75.3	50.2	32.8	26.2	25.1	25.1	25.1
47.5°	2740.4	2339.7	263.1	93.9	63.3	37.1	24.0	19.7	19.7	18.6	18.6
50°	2951.1	2400.8	181.2	84.1	51.3	26.2	17.5	16.4	16.4	15.3	15.3
52.5°	3103.9	2386.6	135.4	73.1	40.4	19.7	14.2	13.1	13.1	13.1	13.1
55°	3252.4	2355.0	111.4	62.2	30.6	14.2	10.9	9.8	9.8	9.8	9.8
57.5°	3405.3	2312.4	96.1	50.2	21.8	10.9	7.6	7.6	7.6	7.6	7.6
60°	3531.9	2229.4	83.0	40.4	15.3	7.6	6.6	5.5	5.5	5.5	5.5
62.5°	3672.8	2145.4	71.0	30.6	10.9	5.5	4.4	3.3	3.3	2.2	3.3
65°	3773.2	2042.7	57.9	21.8	7.6	4.4	3.3	2.2	1.1	0.0	1.1
67.5°	3771.0	1906.3	41.5	14.2	5.5	3.3	2.2	1.1	0.0	0.0	0.0
70°	3606.2	1710.8	28.4	9.8	4.4	2.2	2.2	1.1	0.0	0.0	0.0
72°	3182.5	1380.0	21.8	8.7	4.4	2.2	2.2	1.1	0.0	0.0	0.0
72.5°	3034.1	1266.5	19.7	7.6	4.4	2.2	2.2	1.1	0.0	0.0	0.0
75°	1927.0	527.3	15.3	6.6	4.4	2.2	2.2	1.1	1.1	1.1	0.0
77.5°	895.3	193.2	10.9	5.5	3.3	2.2	2.2	1.1	1.1	2.2	0.0
80°	195.4	56.8	7.6	5.5	3.3	2.2	2.2	2.2	2.2	3.3	0.0
82.5°	44.8	18.6	6.6	4.4	3.3	2.2	2.2	2.2	2.2	3.3	0.0
85°	16.4	10.9	6.6	5.5	4.4	2.2	2.2	3.3	3.3	4.4	0.0
87.5°	6.6	6.6	5.5	5.5	4.4	2.2	3.3	3.3	4.4	4.4	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)