

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: P413991

Luminaire Tested: **LXF.LXT-PA1-100-827-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413991  
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-PA1-100-827-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA 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: 6182 lumens  
Efficiency: N/A  
Efficacy: 64.4 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): 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

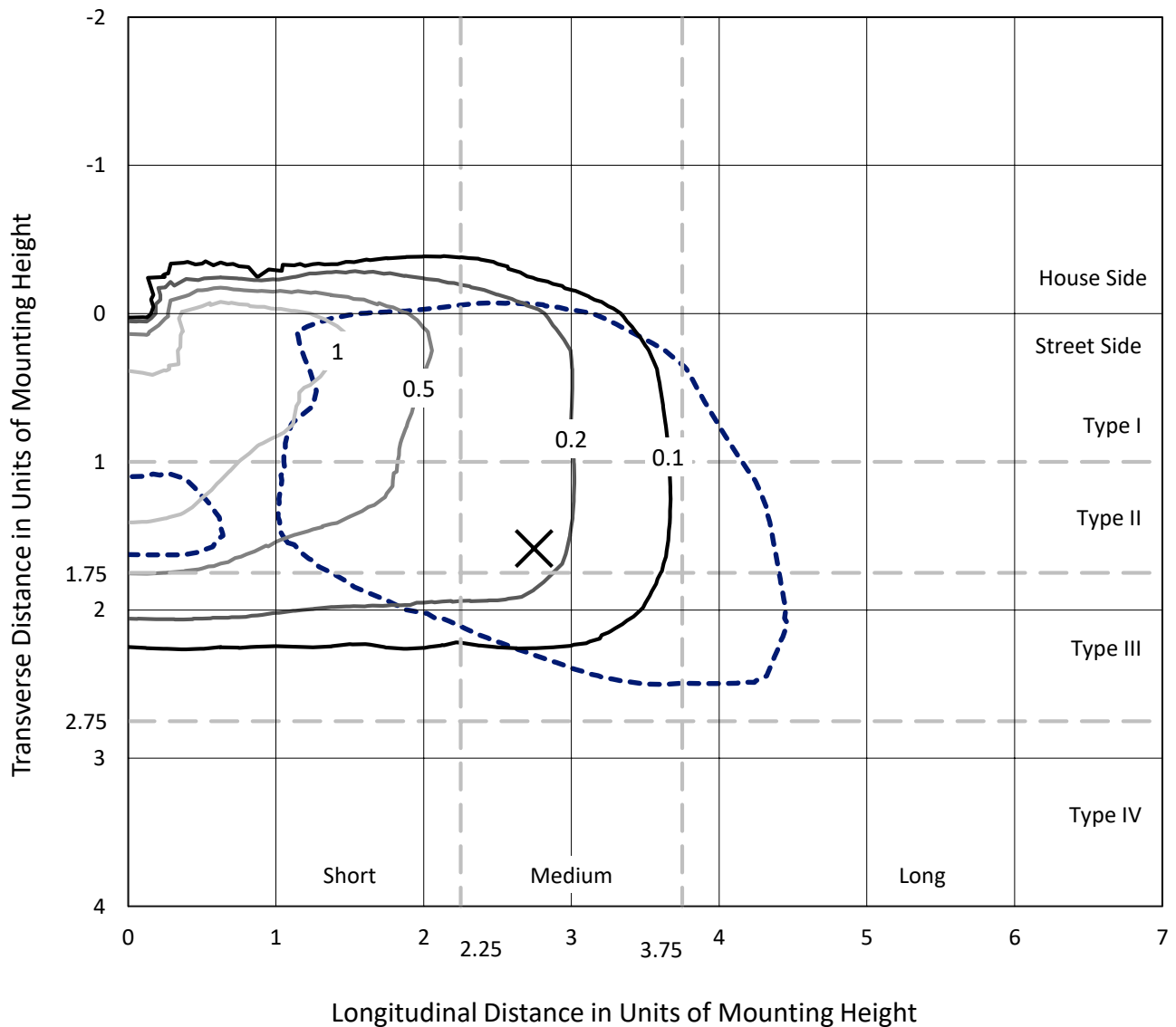


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### Iso-Footcandle Lines of Horizontal Illumination

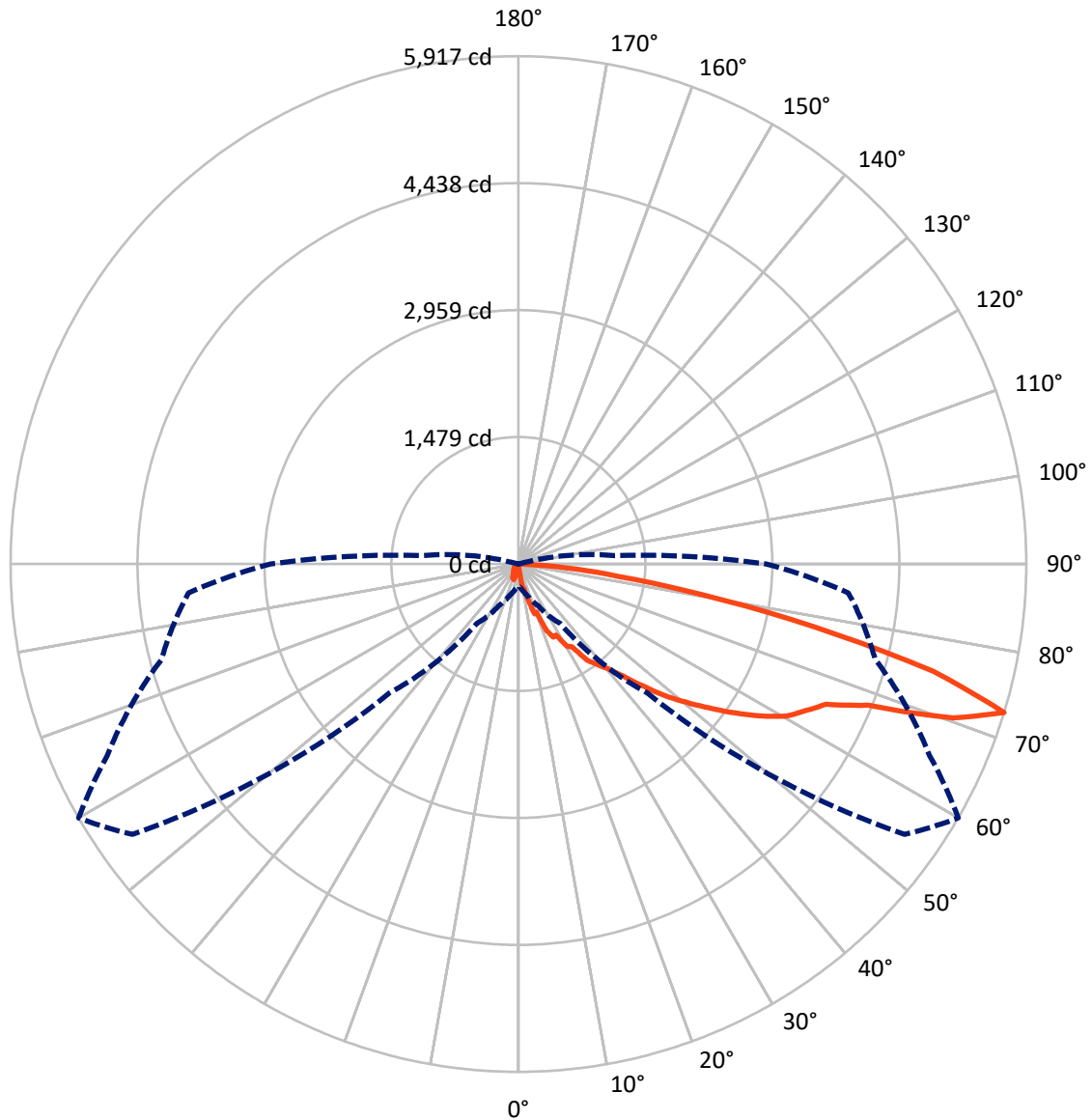
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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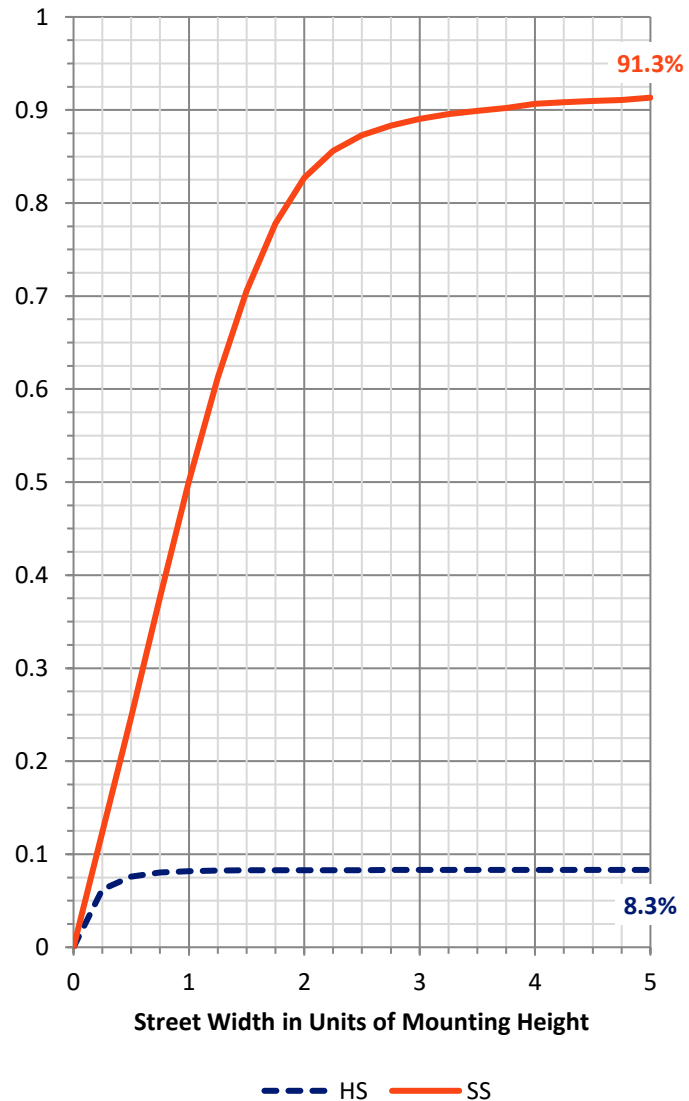
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	518.5	0.0	518.5
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	5663.5	0.0	5663.5
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	6182.0	0.0	6182.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.3	0.1
10°-20°	86.1	1.4
20°-30°	269.3	4.4
30°-40°	580.5	9.4
40°-50°	987.0	16.0
50°-60°	1459.2	23.6
60°-70°	1587.2	25.7
70°-80°	1081.7	17.5
80°-90°	122.7	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°	6182.0	100.0
0°-180°	6182.0	100.0



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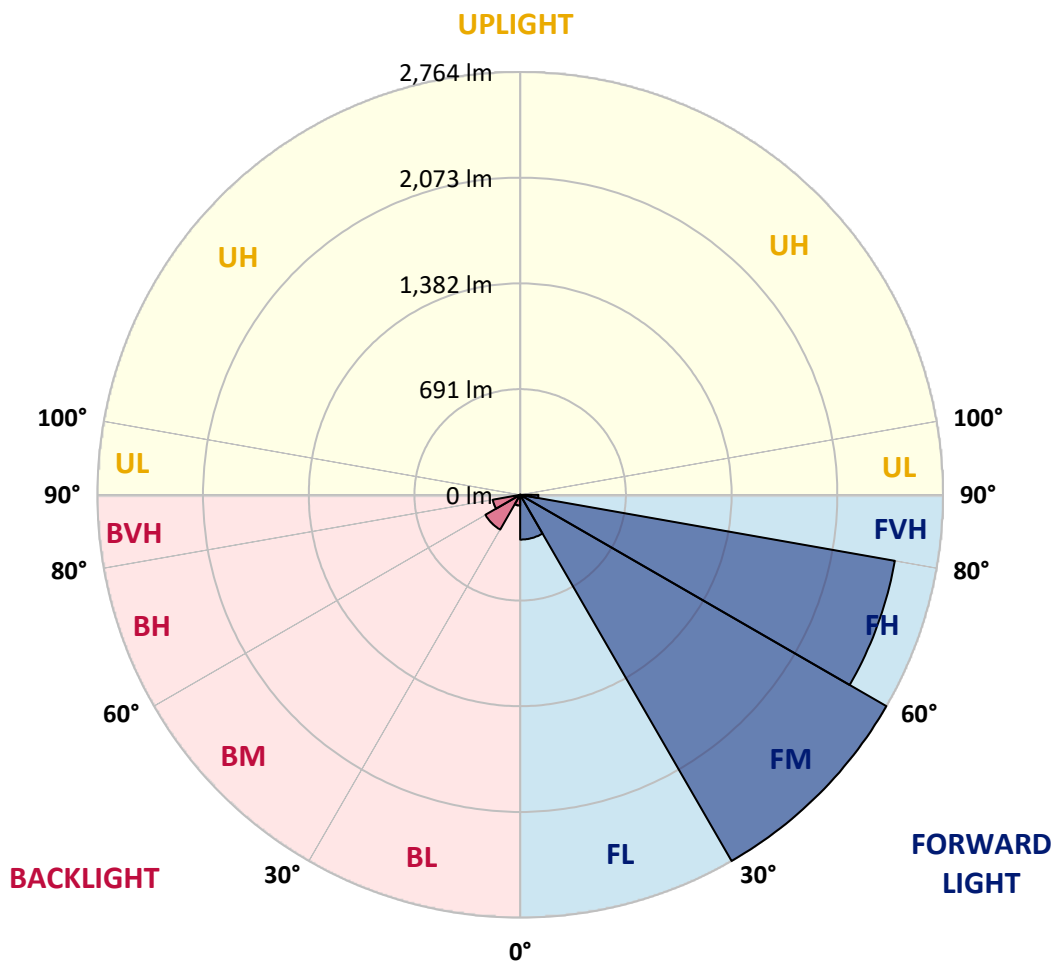
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.8	4.7			
FM	(30°-60°)	2764.5	44.7			
FH	(60°-80°)	2487.3	40.2			G2/5000
FVH	(80°-90°)	119.0	1.9			G2/225
BL	(0°-30°)	70.9	1.1	B0/110		
BM	(30°-60°)	262.2	4.2	B1/1000		
BH	(60°-80°)	181.7	2.9	B1/500		G1/500
BVH	(80°-90°)	3.7	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	5.6	4.0	4.0	3.2	2.4	2.4	2.4	3.2	3.2	2.4	3.2
5°	316.2	312.2	312.2	313.8	203.9	34.5	19.3	8.0	3.2	3.2	3.2
7.5°	300.2	297.0	298.6	302.6	305.0	309.0	309.0	94.7	30.5	3.2	3.2
10°	307.4	305.0	292.1	289.7	294.5	298.6	300.2	307.4	298.6	8.8	3.2
12.5°	540.9	536.9	536.9	544.1	316.2	288.9	292.1	299.4	258.4	33.7	18.5
15°	517.7	514.5	515.3	524.1	536.1	380.4	300.2	444.6	570.6	515.3	409.3
17.5°	722.3	622.0	537.7	512.0	514.5	531.3	581.9	611.6	580.3	586.7	446.2
20°	737.6	732.0	728.7	734.4	526.5	700.7	740.0	600.3	584.3	628.4	823.4
22.5°	763.3	750.4	724.7	721.5	810.6	690.2	716.7	839.5	862.0	920.6	857.2
25°	1033.7	1024.1	997.6	759.2	831.5	792.9	903.7	944.6	931.0	969.5	929.4
27.5°	1135.6	1117.2	1060.2	985.6	882.8	935.0	914.1	936.6	1028.1	1335.5	1310.6
30°	1591.5	1542.6	1385.2	1134.8	1049.8	973.5	1063.4	1110.8	1187.8	1366.8	1343.5
32.5°	1729.6	1677.4	1563.4	1444.6	1244.0	1103.5	1170.2	1149.3	1204.7	1667.8	1764.1
35°	2131.6	2107.6	1902.1	1572.2	1520.9	1301.8	1228.7	1372.4	1454.3	1691.0	1854.0
37.5°	2136.5	2138.1	2126.0	1902.9	1667.8	1463.1	1476.7	1482.4	1545.8	1801.8	1958.3
40°	2204.7	2215.9	2245.6	2077.1	1878.8	1696.6	1660.5	1604.4	1660.5	1926.2	2101.1
42.5°	2347.5	2355.6	2421.4	2245.6	2045.8	1878.8	1897.3	1782.5	1823.5	2161.3	2295.4
45°	2598.7	2593.9	2676.6	2423.0	2201.5	2086.7	2107.6	2019.3	1994.4	2354.0	2523.3
47.5°	2882.9	2900.5	2897.3	2618.8	2356.4	2280.1	2340.3	2293.0	2195.0	2599.5	2789.0
50°	3151.7	3146.1	3062.6	2729.6	2494.4	2469.5	2608.4	2530.5	2441.4	2849.1	3045.0
52.5°	3249.6	3254.5	3154.9	2796.2	2612.4	2657.3	2865.2	2786.5	2671.0	3027.3	3299.4
55°	3232.0	3238.4	3182.2	2864.4	2700.7	2833.1	3131.7	3064.2	2934.2	3220.7	3490.4
57.5°	3066.6	3066.6	3112.4	2906.9	2786.5	2990.4	3369.2	3341.9	3181.4	3381.3	3604.4
60°	2644.5	2689.4	2833.1	2855.6	2887.7	3160.5	3604.4	3595.5	3400.5	3531.3	3671.8
62.5°	2033.7	2048.2	2366.0	2606.8	2895.7	3389.3	3802.6	3760.1	3562.6	3577.1	3719.1
65°	1153.3	1219.1	1512.9	2121.2	2731.2	3628.5	4121.2	3939.1	3704.7	3631.7	3893.3
67.5°	621.2	645.3	809.0	1284.1	2238.4	3654.9	4843.6	4393.3	4041.8	3919.0	4234.4
70°	401.3	427.0	515.3	705.5	1403.7	3232.0	5523.3	5371.7	4737.6	4312.2	4286.6
72.5°	260.8	276.1	371.6	531.3	844.3	2129.2	5492.0	5917.4	5287.4	4305.0	3858.8
75°	105.9	116.4	186.2	442.2	713.5	1043.4	4213.5	4989.6	4963.9	3825.9	2986.4
77.5°	53.0	56.2	82.7	239.2	633.2	722.3	2666.2	3519.3	3533.7	2789.0	1660.5
80°	34.5	33.7	47.4	112.4	431.8	657.3	1491.2	2162.1	2021.7	1057.8	465.5
82.5°	13.6	14.4	25.7	64.2	180.6	594.7	850.7	1163.7	910.1	206.3	134.0
85°	2.4	2.4	8.0	34.5	57.0	272.1	549.0	563.4	374.0	65.0	67.4
87.5°	0.8	0.8	1.6	2.4	4.0	6.4	24.1	11.2	7.2	11.2	12.8
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	3.2	3.2	3.2	2.4	2.4	1.6	0.0	0.0	0.8	0.8	0.8
5°	3.2	3.2	3.2	2.4	2.4	0.8	0.0	0.0	0.8	0.8	0.8
7.5°	3.2	3.2	3.2	2.4	1.6	0.8	0.0	0.0	0.8	0.8	0.8
10°	3.2	3.2	3.2	2.4	1.6	0.8	23.3	148.5	153.3	154.1	152.5
12.5°	20.1	20.9	11.2	2.4	1.6	138.0	137.2	114.8	100.3	94.7	87.5
15°	435.8	414.1	342.7	202.2	111.6	113.2	83.5	61.8	49.8	46.5	44.9
17.5°	431.8	400.5	315.4	184.6	194.2	85.1	44.9	49.8	65.0	65.8	65.8
20°	811.4	711.9	308.2	206.3	130.8	73.8	58.6	61.8	61.8	62.6	61.8
22.5°	845.9	746.4	461.5	263.2	93.9	77.9	66.6	57.8	59.4	77.0	74.6
25°	853.1	732.0	427.8	206.3	90.7	77.9	73.0	70.6	79.5	79.5	80.3
27.5°	1229.5	1028.9	518.5	154.9	89.9	81.1	81.1	73.8	71.4	70.6	71.4
30°	1227.1	993.6	442.2	130.8	86.7	80.3	73.0	65.8	79.5	80.3	80.3
32.5°	1610.8	1270.5	427.8	105.9	86.7	73.8	64.2	68.2	63.4	63.4	63.4
35°	1633.2	1238.4	337.1	110.0	77.0	67.4	62.6	53.0	56.2	57.0	55.4
37.5°	1676.6	1215.9	256.0	99.5	77.0	62.6	51.4	47.4	44.1	43.3	43.3
40°	1754.4	1217.5	197.4	91.5	72.2	57.0	45.7	38.5	40.1	40.1	39.3
42.5°	1870.8	1240.8	154.9	84.3	65.0	50.6	38.5	34.5	32.1	32.1	31.3
45°	2024.9	1290.5	126.8	78.7	59.4	43.3	31.3	28.1	25.7	25.7	24.9
47.5°	2215.9	1360.4	110.8	73.0	53.0	36.1	25.7	22.5	20.9	20.1	20.1
50°	2419.8	1443.8	101.9	68.2	45.7	28.9	20.9	17.7	16.1	16.1	15.2
52.5°	2630.8	1539.3	94.7	65.0	39.3	24.1	16.1	12.8	12.0	11.2	12.0
55°	2801.8	1597.1	89.9	64.2	32.9	19.3	12.0	9.6	8.8	8.0	8.0
57.5°	2914.2	1628.4	83.5	59.4	26.5	14.4	8.8	6.4	5.6	5.6	5.6
60°	3002.4	1646.1	75.4	47.4	20.9	10.4	5.6	4.0	4.0	4.0	4.0
62.5°	3072.3	1658.1	63.4	36.9	16.1	7.2	4.0	2.4	2.4	2.4	2.4
65°	3279.3	1728.8	49.0	28.1	12.0	4.8	2.4	1.6	0.8	1.6	1.6
67.5°	3531.3	1758.4	36.1	20.1	8.8	3.2	1.6	0.8	0.8	0.8	1.6
70°	3431.8	1532.1	26.5	14.4	6.4	2.4	1.6	0.8	0.8	0.8	1.6
72.5°	2883.7	1119.6	19.3	10.4	4.8	2.4	1.6	0.8	0.8	1.6	1.6
75°	2073.9	631.6	15.2	7.2	4.0	2.4	1.6	1.6	1.6	2.4	2.4
77.5°	975.9	235.2	15.2	6.4	4.0	2.4	1.6	1.6	2.4	3.2	1.6
80°	236.8	58.6	15.2	5.6	4.0	2.4	2.4	2.4	3.2	3.2	1.6
82.5°	79.5	24.9	11.2	4.8	4.0	2.4	2.4	3.2	3.2	4.0	2.4
85°	48.2	16.1	8.0	5.6	4.8	2.4	3.2	3.2	4.0	4.8	2.4
87.5°	8.0	6.4	5.6	5.6	4.8	3.2	3.2	4.0	4.0	4.8	3.2
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)