

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: P417346

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417346  
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-PA1-90-827-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1180mA 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: 5577 lumens  
Efficiency: N/A  
Efficacy: 59.3 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): 94  
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

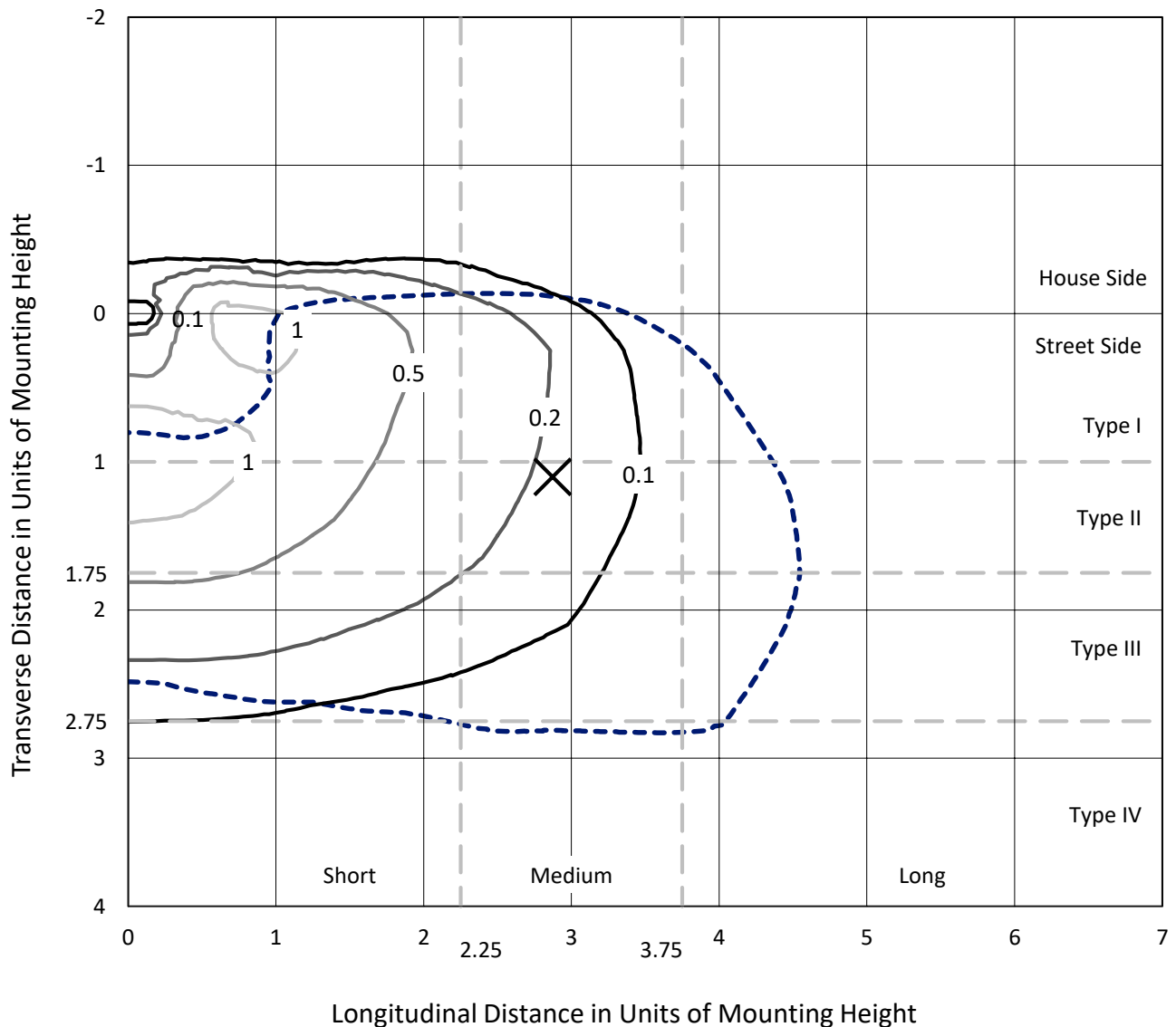


REPORT NUMBER: P417346

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

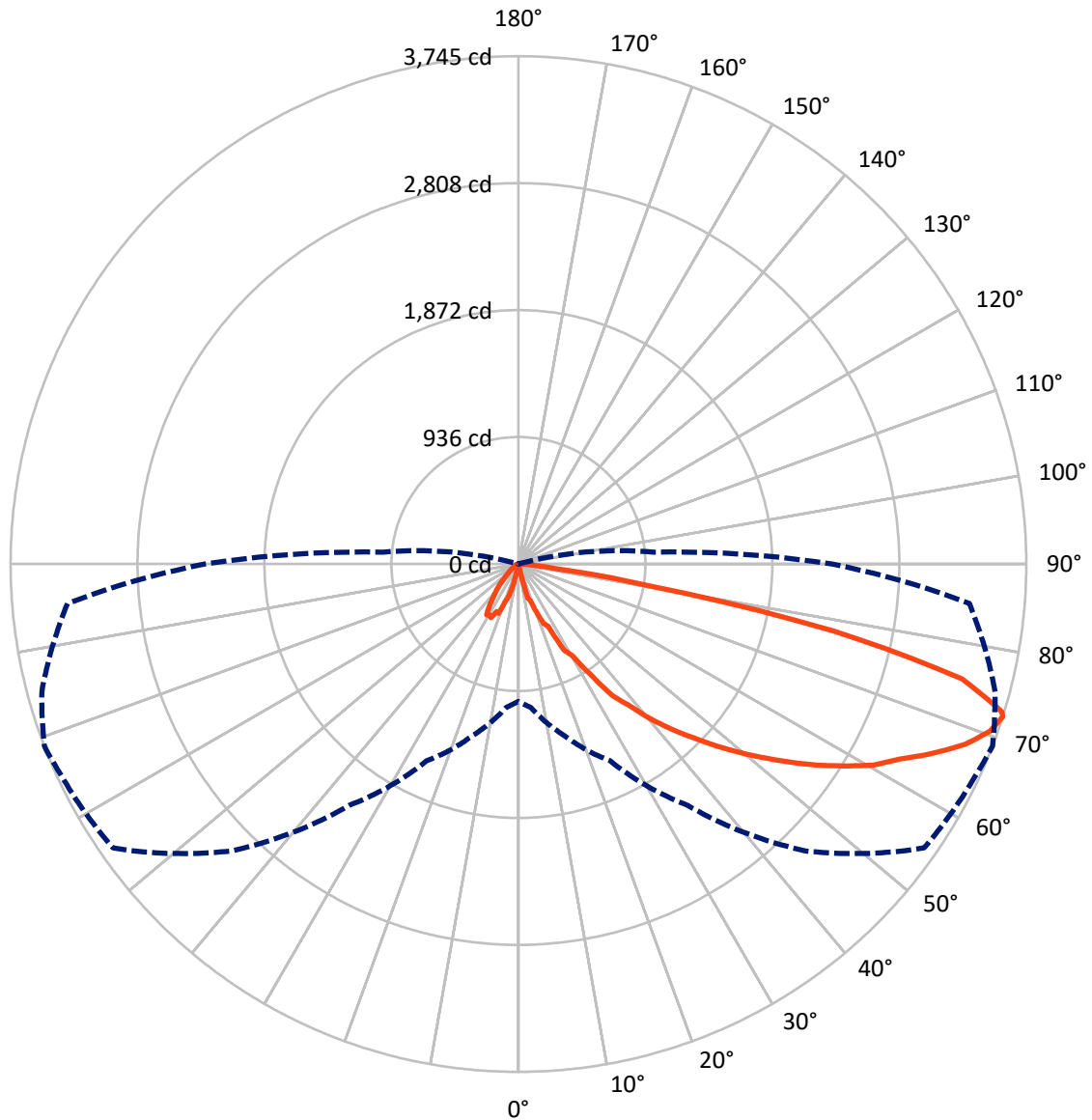


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P417346

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P417346

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-HSS

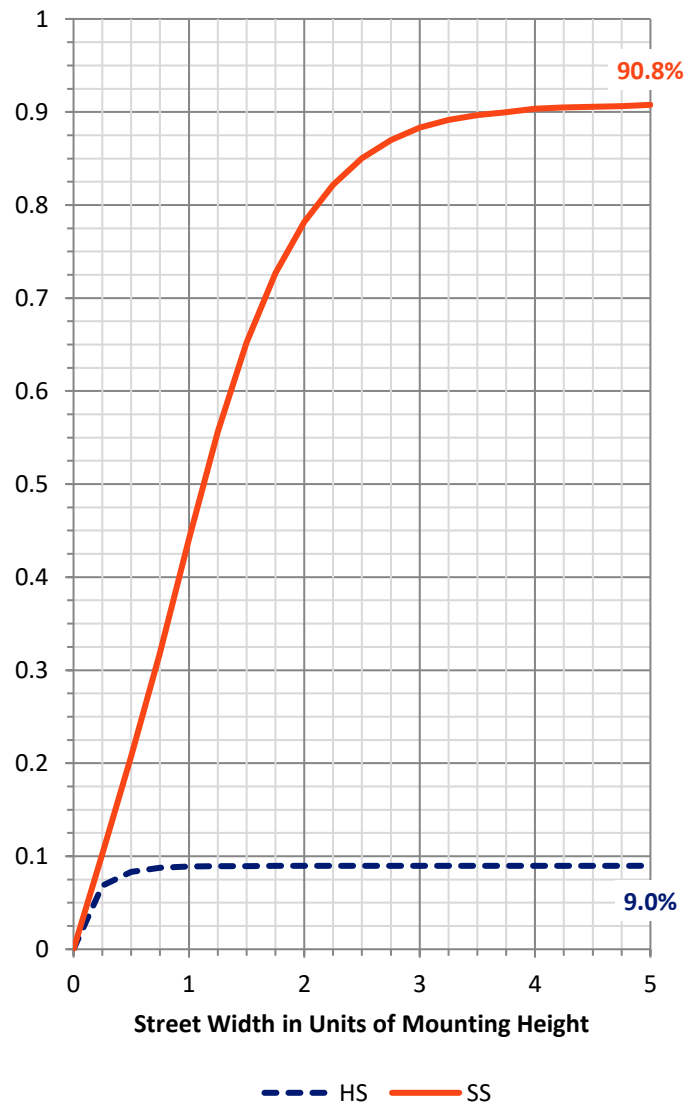
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	505.8	0.0	505.8
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	5071.2	0.0	5071.2
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	5577.0	0.0	5577.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	48.5	0.9
20°-30°	173.7	3.1
30°-40°	443.6	8.0
40°-50°	877.9	15.7
50°-60°	1383.4	24.8
60°-70°	1609.1	28.9
70°-80°	976.8	17.5
80°-90°	60.4	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°	5577.0	100.0
0°-180°	5577.0	100.0



REPORT NUMBER: P417346

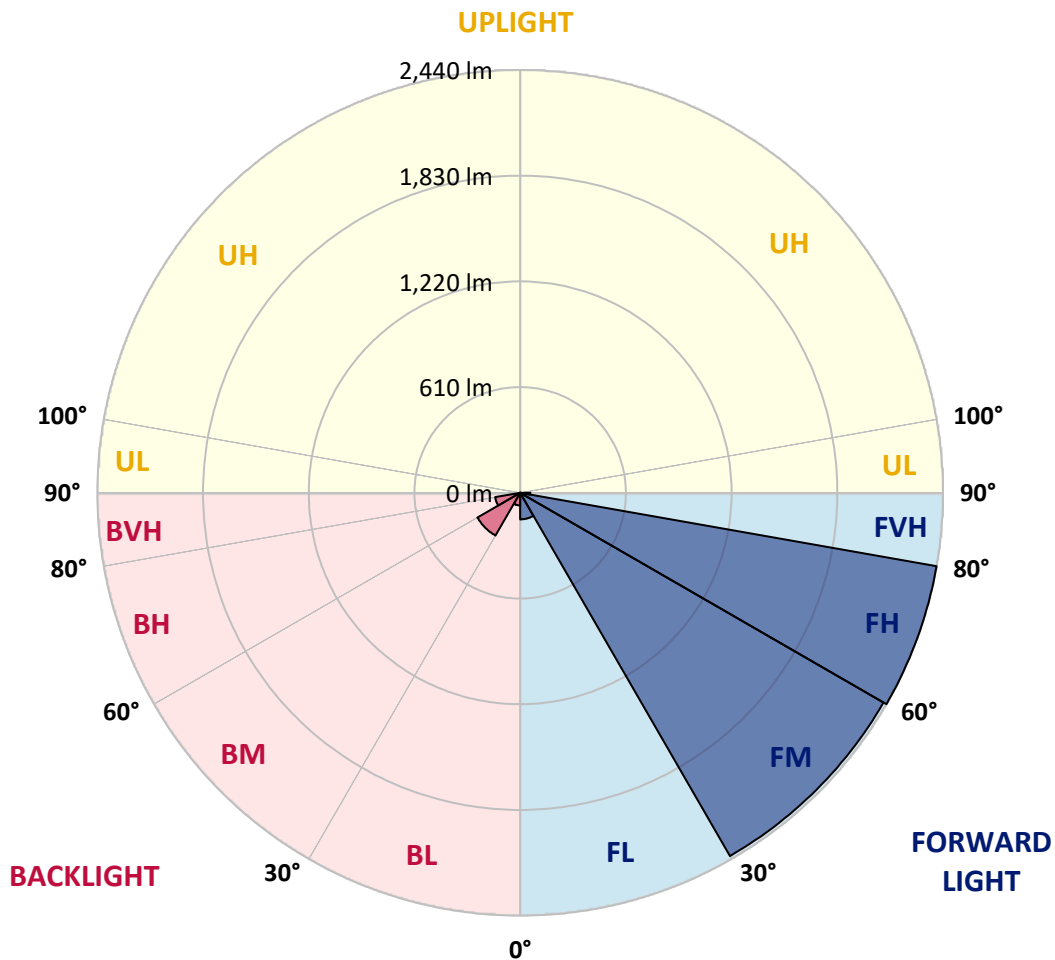
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.1	2.7			
FM	(30°-60°)	2420.2	43.4			
FH	(60°-80°)	2439.5	43.7			G2/5000
FVH	(80°-90°)	58.3	1.0			G1/100
BL	(0°-30°)	72.6	1.3	B0/110		
BM	(30°-60°)	284.7	5.1	B1/1000		
BH	(60°-80°)	146.4	2.6	B1/500		G1/500
BVH	(80°-90°)	2.1	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





REPORT NUMBER: P417346

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	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°	0.8	0.8	0.8	0.8	1.6	1.6	2.4	2.4	2.4	2.4	2.4
5°	77.7	50.7	38.0	31.7	15.9	4.0	2.4	2.4	2.4	2.4	2.4
7.5°	119.7	119.7	120.5	121.3	123.6	103.8	22.2	2.4	2.4	2.4	2.4
10°	115.7	114.9	114.9	116.5	119.7	122.8	126.0	16.6	4.0	2.4	2.4
12.5°	225.9	223.5	207.6	145.0	118.9	120.5	126.8	96.7	26.9	15.9	91.1
15°	223.5	222.7	224.3	228.2	229.8	128.4	187.8	255.2	260.7	175.9	213.2
17.5°	244.1	237.0	225.9	227.5	234.6	275.8	265.5	276.6	282.1	197.3	230.6
20°	337.6	336.8	338.4	265.5	248.1	349.5	307.5	300.4	373.3	390.7	433.5
22.5°	344.7	343.2	345.5	353.5	397.0	365.3	445.4	455.7	477.1	527.8	495.3
25°	482.6	482.6	396.3	369.3	452.5	412.9	551.6	518.3	507.2	566.6	637.2
27.5°	582.5	576.2	555.6	515.9	470.8	584.1	587.3	708.5	718.8	790.9	804.4
30°	737.8	729.1	674.4	643.5	584.1	614.2	685.5	842.4	785.4	843.2	901.9
32.5°	1092.1	1079.4	1010.5	810.7	736.2	665.7	821.8	904.3	960.5	1117.4	1181.6
35°	1414.6	1332.2	1237.9	1085.7	892.4	865.4	886.8	1121.4	1188.0	1236.3	1301.3
37.5°	1739.6	1741.1	1646.8	1277.5	1127.7	999.4	1069.1	1253.0	1320.3	1391.7	1450.3
40°	2000.3	1960.7	1834.7	1563.6	1330.6	1202.2	1211.0	1381.3	1501.0	1590.6	1602.5
42.5°	2333.2	2316.5	2131.1	1825.2	1592.9	1467.7	1429.7	1513.7	1672.2	1731.6	1768.1
45°	2651.7	2627.2	2469.5	2123.1	1873.5	1733.2	1680.9	1681.7	1837.8	1901.2	1953.5
47.5°	2890.3	2850.7	2765.9	2397.3	2226.2	2023.3	1914.7	1873.5	2025.7	2108.1	2137.4
50°	3139.9	3074.9	3007.6	2707.2	2530.5	2354.6	2146.9	2100.9	2211.1	2303.0	2326.8
52.5°	3307.2	3212.8	3166.1	2928.3	2803.1	2691.4	2379.1	2327.6	2406.1	2514.6	2495.6
55°	3222.4	3193.0	3243.7	3119.3	2998.1	2874.4	2631.9	2589.9	2610.5	2701.7	2656.5
57.5°	3045.6	3054.3	3204.1	3227.9	3173.2	3056.7	2858.6	2851.5	2809.5	2883.9	2825.3
60°	2861.0	2893.5	3101.9	3220.8	3260.4	3221.6	3097.9	3045.6	3008.4	3060.7	3014.7
62.5°	2613.7	2620.0	2899.8	3157.4	3227.1	3349.9	3265.1	3239.8	3162.9	3240.6	3221.6
65°	2303.0	2311.0	2574.1	2939.4	3127.3	3374.5	3395.9	3422.9	3363.4	3384.8	3445.0
67.5°	1955.9	1971.0	2200.8	2553.5	2912.5	3326.2	3504.5	3556.0	3551.2	3544.9	3604.3
70°	1583.4	1593.7	1780.8	2089.9	2565.4	3193.0	3605.1	3670.9	3689.1	3644.8	3602.8
72°	1012.8	1062.8	1310.0	1601.7	2171.5	2990.9	3650.3	3712.9	3744.6	3638.4	3337.3
72.5°	795.7	835.3	1210.2	1467.7	2036.8	2944.2	3641.6	3698.7	3728.0	3603.5	3224.7
75°	171.2	175.9	378.8	713.3	1284.7	2255.5	3339.6	3346.8	3378.5	3139.9	2207.9
77.5°	73.7	74.5	105.4	235.4	461.2	1153.1	2311.8	2377.5	2375.2	2032.0	1067.5
80°	51.5	53.1	62.6	107.8	219.5	333.6	1129.3	1136.5	978.0	726.7	266.3
82.5°	26.9	28.5	44.4	64.2	149.0	122.0	365.3	368.5	271.8	171.2	61.8
85°	4.8	7.1	21.4	38.8	57.9	49.1	80.0	100.6	87.2	68.2	26.2
87.5°	0.8	0.8	5.5	5.5	7.9	4.8	7.9	8.7	9.5	14.3	7.1
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: P417346

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-T3-HSS

**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°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0
5°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	72.9	98.3	104.6	111.7
10°	2.4	3.2	2.4	2.4	1.6	99.9	122.8	124.4	126.0	126.0	125.2
12.5°	100.6	103.0	36.5	7.1	92.7	126.8	120.5	110.2	100.6	97.5	96.7
15°	215.6	216.4	195.8	168.8	179.9	119.7	94.3	107.0	108.6	104.6	104.6
17.5°	232.2	232.2	221.9	271.0	227.5	119.7	99.1	81.6	69.7	66.6	65.8
20°	459.7	402.6	325.7	275.0	185.4	133.9	69.7	59.4	57.9	57.9	60.2
22.5°	496.1	489.0	424.0	370.9	159.3	94.3	68.2	68.2	80.8	79.3	78.5
25°	647.5	638.0	480.3	322.6	159.3	80.8	86.4	76.1	74.5	72.9	71.3
27.5°	818.7	798.9	675.2	291.6	112.5	84.8	82.4	72.1	85.6	85.6	84.8
30°	932.0	857.5	680.0	261.5	95.1	90.3	77.7	84.0	76.1	71.3	71.3
32.5°	1207.8	1173.7	831.3	184.7	90.3	81.6	81.6	72.1	64.2	66.6	65.8
35°	1295.0	1250.6	740.2	138.7	83.2	75.3	68.2	63.4	54.7	49.1	48.3
37.5°	1402.7	1344.9	621.3	107.0	81.6	66.6	56.3	48.3	42.0	42.0	41.2
40°	1535.1	1447.1	508.0	91.1	72.1	57.1	43.6	37.2	33.3	30.9	30.1
42.5°	1680.1	1543.8	390.7	82.4	62.6	46.8	32.5	26.9	24.6	23.8	23.8
45°	1833.1	1633.4	280.5	75.3	54.7	36.5	23.8	19.0	18.2	18.2	18.2
47.5°	1989.2	1698.4	191.0	68.2	46.0	26.9	17.4	14.3	14.3	13.5	13.5
50°	2142.2	1742.7	131.6	61.0	37.2	19.0	12.7	11.9	11.9	11.1	11.1
52.5°	2253.1	1732.4	98.3	53.1	29.3	14.3	10.3	9.5	9.5	9.5	9.5
55°	2360.9	1709.4	80.8	45.2	22.2	10.3	7.9	7.1	7.1	7.1	7.1
57.5°	2471.8	1678.5	69.7	36.5	15.9	7.9	5.5	5.5	5.5	5.5	5.5
60°	2563.8	1618.3	60.2	29.3	11.1	5.5	4.8	4.0	4.0	4.0	4.0
62.5°	2666.0	1557.3	51.5	22.2	7.9	4.0	3.2	2.4	2.4	1.6	2.4
65°	2738.9	1482.8	42.0	15.9	5.5	3.2	2.4	1.6	0.8	0.0	0.8
67.5°	2737.3	1383.7	30.1	10.3	4.0	2.4	1.6	0.8	0.0	0.0	0.0
70°	2617.7	1241.9	20.6	7.1	3.2	1.6	1.6	0.8	0.0	0.0	0.0
72°	2310.2	1001.7	15.9	6.3	3.2	1.6	1.6	0.8	0.0	0.0	0.0
72.5°	2202.4	919.3	14.3	5.5	3.2	1.6	1.6	0.8	0.0	0.0	0.0
75°	1398.8	382.8	11.1	4.8	3.2	1.6	1.6	0.8	0.8	0.8	0.0
77.5°	649.9	140.3	7.9	4.0	2.4	1.6	1.6	0.8	0.8	1.6	0.0
80°	141.9	41.2	5.5	4.0	2.4	1.6	1.6	1.6	1.6	2.4	0.0
82.5°	32.5	13.5	4.8	3.2	2.4	1.6	1.6	1.6	1.6	2.4	0.0
85°	11.9	7.9	4.8	4.0	3.2	1.6	1.6	2.4	2.4	3.2	0.0
87.5°	4.8	4.8	4.0	4.0	3.2	1.6	2.4	2.4	3.2	3.2	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)