

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: P415239

Luminaire Tested: **LXF.LXT-PA1-40-827-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415239  
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-PA1-40-827-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 500mA 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: 3100 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B0 - U0 - G1

Input Watts (W): 40  
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

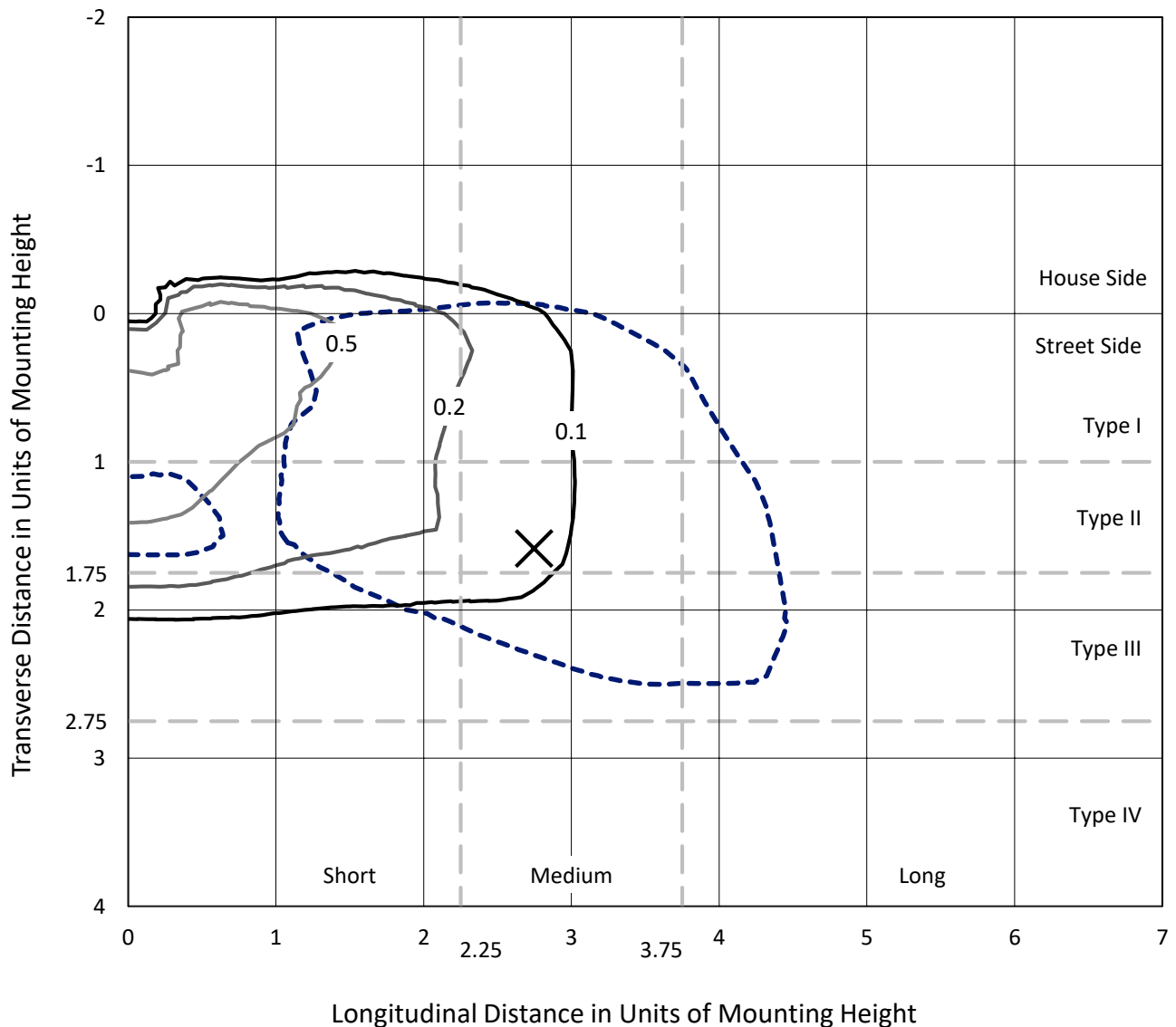


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

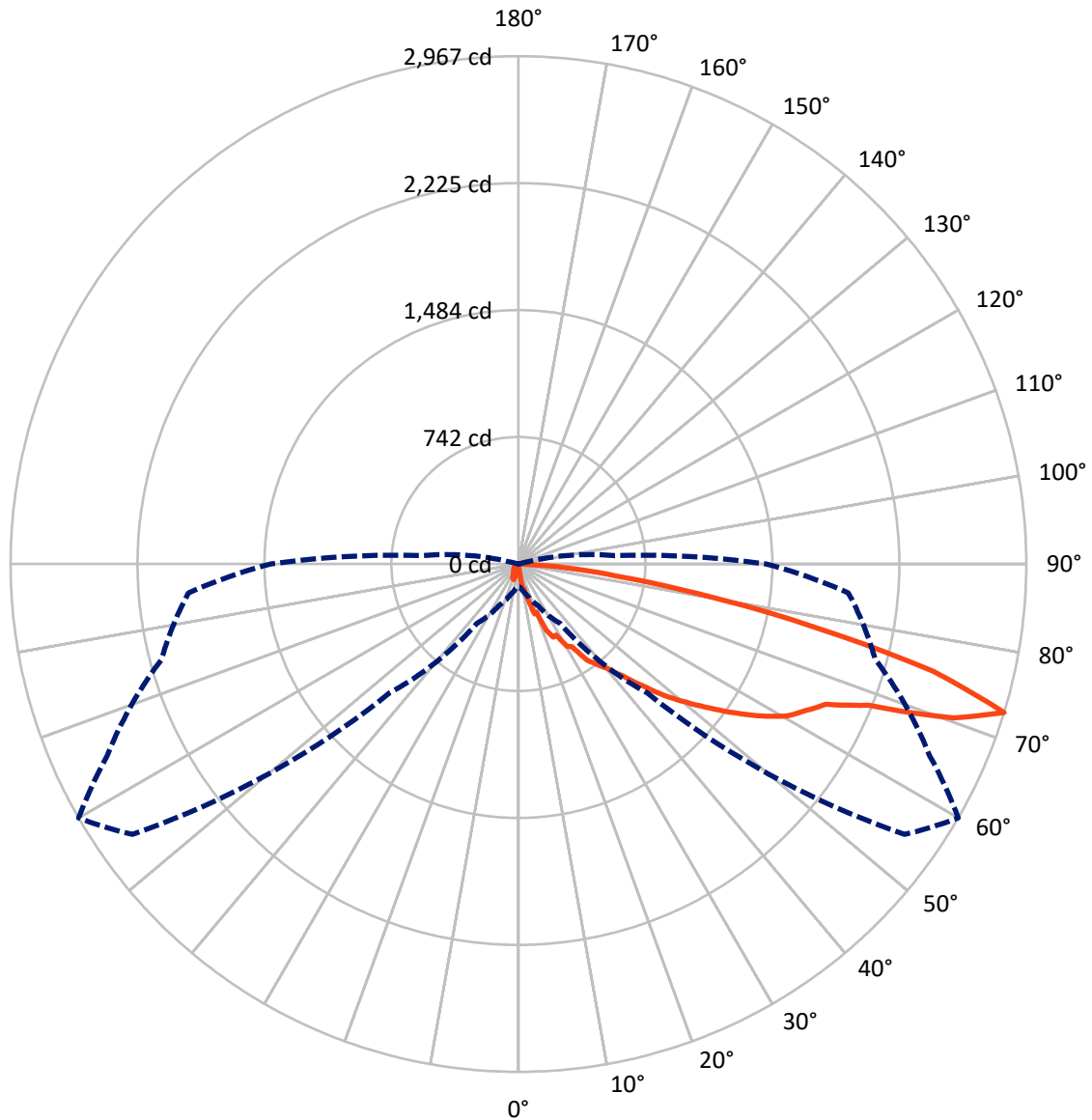


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Medium - Non-Cutoff

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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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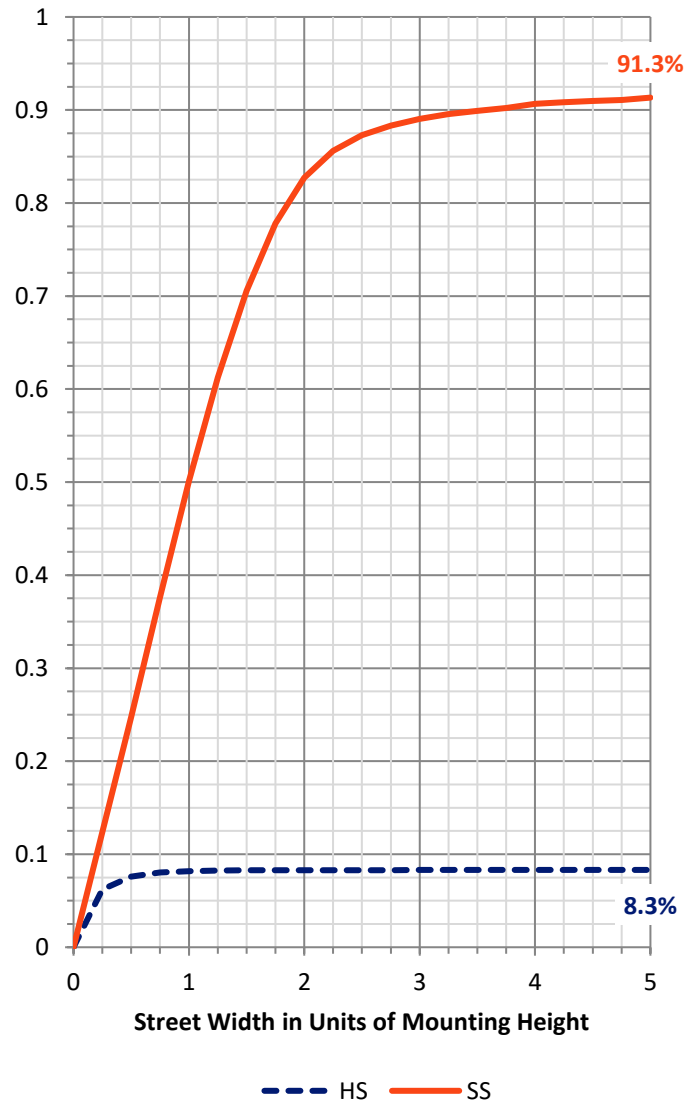
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	260.0	0.0	260.0
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	2840.0	0.0	2840.0
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	3100.0	0.0	3100.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	43.2	1.4
20°-30°	135.0	4.4
30°-40°	291.1	9.4
40°-50°	494.9	16.0
50°-60°	731.7	23.6
60°-70°	795.9	25.7
70°-80°	542.4	17.5
80°-90°	61.5	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°	3100.0	100.0
0°-180°	3100.0	100.0



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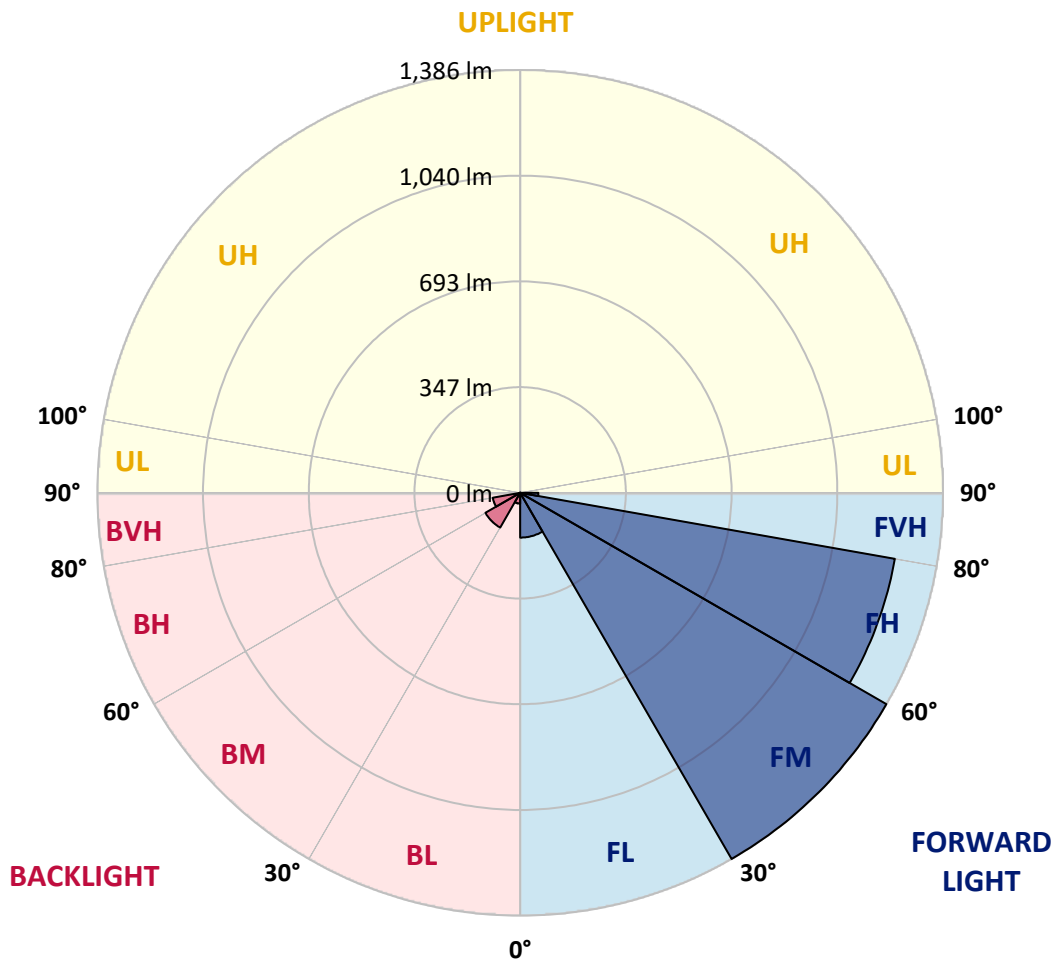
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	146.8	4.7			
FM	(30°-60°)	1386.3	44.7			
FH	(60°-80°)	1247.2	40.2			G1/1800
FVH	(80°-90°)	59.7	1.9			G1/100
BL	(0°-30°)	35.5	1.1	B0/110		
BM	(30°-60°)	131.5	4.2	B0/220		
BH	(60°-80°)	91.1	2.9	B0/110		G0/110
BVH	(80°-90°)	1.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.8	2.0	2.0	1.6	1.2	1.2	1.2	1.6	1.6	1.2	1.6
5°	158.6	156.6	156.6	157.4	102.2	17.3	9.7	4.0	1.6	1.6	1.6
7.5°	150.5	148.9	149.7	151.7	152.9	154.9	154.9	47.5	15.3	1.6	1.6
10°	154.1	152.9	146.5	145.3	147.7	149.7	150.5	154.1	149.7	4.4	1.6
12.5°	271.3	269.2	269.2	272.9	158.6	144.9	146.5	150.1	129.6	16.9	9.3
15°	259.6	258.0	258.4	262.8	268.8	190.8	150.5	223.0	286.1	258.4	205.3
17.5°	362.2	311.9	269.6	256.8	258.0	266.4	291.8	306.7	291.0	294.2	223.8
20°	369.9	367.0	365.4	368.2	264.0	351.3	371.1	301.0	293.0	315.1	412.9
22.5°	382.7	376.3	363.4	361.8	406.5	346.1	359.4	421.0	432.2	461.6	429.8
25°	518.4	513.5	500.3	380.7	416.9	397.6	453.2	473.7	466.9	486.2	466.0
27.5°	569.5	560.2	531.6	494.2	442.7	468.9	458.4	469.7	515.5	669.7	657.2
30°	798.1	773.5	694.6	569.1	526.4	488.2	533.3	557.0	595.6	685.4	673.7
32.5°	867.3	841.1	784.0	724.4	623.8	553.4	586.8	576.3	604.1	836.3	884.6
35°	1068.9	1056.9	953.8	788.4	762.7	652.8	616.2	688.2	729.3	848.0	929.7
37.5°	1071.3	1072.1	1066.1	954.2	836.3	733.7	740.5	743.3	775.1	903.5	982.0
40°	1105.5	1111.2	1126.1	1041.6	942.2	850.8	832.7	804.5	832.7	965.9	1053.6
42.5°	1177.2	1181.2	1214.2	1126.1	1025.9	942.2	951.4	893.9	914.4	1083.8	1151.0
45°	1303.2	1300.7	1342.2	1215.0	1103.9	1046.4	1056.9	1012.6	1000.1	1180.4	1265.3
47.5°	1445.6	1454.5	1452.9	1313.2	1181.6	1143.4	1173.6	1149.8	1100.7	1303.6	1398.5
50°	1580.4	1577.6	1535.8	1368.8	1250.8	1238.4	1308.0	1268.9	1224.3	1428.7	1526.9
52.5°	1629.5	1632.0	1582.1	1402.2	1310.0	1332.5	1436.8	1397.3	1339.4	1518.1	1654.5
55°	1620.7	1623.9	1595.7	1436.4	1354.3	1420.7	1570.4	1536.6	1471.4	1615.1	1750.3
57.5°	1537.8	1537.8	1560.7	1457.7	1397.3	1499.6	1689.5	1675.8	1595.3	1695.6	1807.4
60°	1326.1	1348.6	1420.7	1431.9	1448.0	1584.9	1807.4	1803.0	1705.2	1770.8	1841.2
62.5°	1019.8	1027.1	1186.4	1307.2	1452.1	1699.6	1906.8	1885.5	1786.5	1793.8	1865.0
65°	578.3	611.3	758.6	1063.7	1369.6	1819.5	2066.6	1975.3	1857.7	1821.1	1952.3
67.5°	311.5	323.6	405.7	643.9	1122.5	1832.8	2428.8	2203.1	2026.8	1965.2	2123.4
70°	201.2	214.1	258.4	353.8	703.9	1620.7	2769.7	2693.6	2375.7	2162.4	2149.5
72.5°	130.8	138.4	186.3	266.4	423.4	1067.7	2754.0	2967.3	2651.4	2158.8	1935.0
75°	53.1	58.4	93.4	221.8	357.8	523.2	2112.9	2502.1	2489.2	1918.5	1497.5
77.5°	26.6	28.2	41.5	119.9	317.5	362.2	1337.0	1764.8	1772.0	1398.5	832.7
80°	17.3	16.9	23.7	56.3	216.5	329.6	747.8	1084.2	1013.8	530.4	233.4
82.5°	6.8	7.2	12.9	32.2	90.6	298.2	426.6	583.6	456.4	103.4	67.2
85°	1.2	1.2	4.0	17.3	28.6	136.4	275.3	282.5	187.5	32.6	33.8
87.5°	0.4	0.4	0.8	1.2	2.0	3.2	12.1	5.6	3.6	5.6	6.4
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.6	1.6	1.6	1.2	1.2	0.8	0.0	0.0	0.4	0.4	0.4
5°	1.6	1.6	1.6	1.2	1.2	0.4	0.0	0.0	0.4	0.4	0.4
7.5°	1.6	1.6	1.6	1.2	0.8	0.4	0.0	0.0	0.4	0.4	0.4
10°	1.6	1.6	1.6	1.2	0.8	0.4	11.7	74.5	76.9	77.3	76.5
12.5°	10.1	10.5	5.6	1.2	0.8	69.2	68.8	57.6	50.3	47.5	43.9
15°	218.5	207.7	171.8	101.4	55.9	56.7	41.9	31.0	25.0	23.3	22.5
17.5°	216.5	200.8	158.2	92.6	97.4	42.7	22.5	25.0	32.6	33.0	33.0
20°	406.9	357.0	154.5	103.4	65.6	37.0	29.4	31.0	31.0	31.4	31.0
22.5°	424.2	374.3	231.4	132.0	47.1	39.0	33.4	29.0	29.8	38.6	37.4
25°	427.8	367.0	214.5	103.4	45.5	39.0	36.6	35.4	39.8	39.8	40.2
27.5°	616.6	516.0	260.0	77.7	45.1	40.6	40.6	37.0	35.8	35.4	35.8
30°	615.4	498.2	221.8	65.6	43.5	40.2	36.6	33.0	39.8	40.2	40.2
32.5°	807.7	637.1	214.5	53.1	43.5	37.0	32.2	34.2	31.8	31.8	31.8
35°	819.0	621.0	169.0	55.1	38.6	33.8	31.4	26.6	28.2	28.6	27.8
37.5°	840.7	609.7	128.4	49.9	38.6	31.4	25.8	23.7	22.1	21.7	21.7
40°	879.8	610.5	99.0	45.9	36.2	28.6	22.9	19.3	20.1	20.1	19.7
42.5°	938.1	622.2	77.7	42.3	32.6	25.4	19.3	17.3	16.1	16.1	15.7
45°	1015.4	647.2	63.6	39.4	29.8	21.7	15.7	14.1	12.9	12.9	12.5
47.5°	1111.2	682.2	55.5	36.6	26.6	18.1	12.9	11.3	10.5	10.1	10.1
50°	1213.4	724.0	51.1	34.2	22.9	14.5	10.5	8.9	8.0	8.0	7.6
52.5°	1319.3	771.9	47.5	32.6	19.7	12.1	8.0	6.4	6.0	5.6	6.0
55°	1405.0	800.9	45.1	32.2	16.5	9.7	6.0	4.8	4.4	4.0	4.0
57.5°	1461.3	816.6	41.9	29.8	13.3	7.2	4.4	3.2	2.8	2.8	2.8
60°	1505.6	825.4	37.8	23.7	10.5	5.2	2.8	2.0	2.0	2.0	2.0
62.5°	1540.6	831.5	31.8	18.5	8.0	3.6	2.0	1.2	1.2	1.2	1.2
65°	1644.4	866.9	24.5	14.1	6.0	2.4	1.2	0.8	0.4	0.8	0.8
67.5°	1770.8	881.8	18.1	10.1	4.4	1.6	0.8	0.4	0.4	0.4	0.8
70°	1720.9	768.3	13.3	7.2	3.2	1.2	0.8	0.4	0.4	0.4	0.8
72.5°	1446.0	561.4	9.7	5.2	2.4	1.2	0.8	0.4	0.4	0.8	0.8
75°	1039.9	316.7	7.6	3.6	2.0	1.2	0.8	0.8	0.8	1.2	1.2
77.5°	489.4	117.9	7.6	3.2	2.0	1.2	0.8	0.8	1.2	1.6	0.8
80°	118.7	29.4	7.6	2.8	2.0	1.2	1.2	1.2	1.6	1.6	0.8
82.5°	39.8	12.5	5.6	2.4	2.0	1.2	1.2	1.6	1.6	2.0	1.2
85°	24.1	8.0	4.0	2.8	2.4	1.2	1.6	1.6	2.0	2.4	1.2
87.5°	4.0	3.2	2.8	2.8	2.4	1.6	1.6	2.0	2.0	2.4	1.6
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)