

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: P414694

Luminaire Tested: **LXF.LXT-PA1-30-740-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414694  
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-PA1-30-740-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 375mA 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: 2975 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B0 - U0 - G1

Input Watts (W): 31  
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

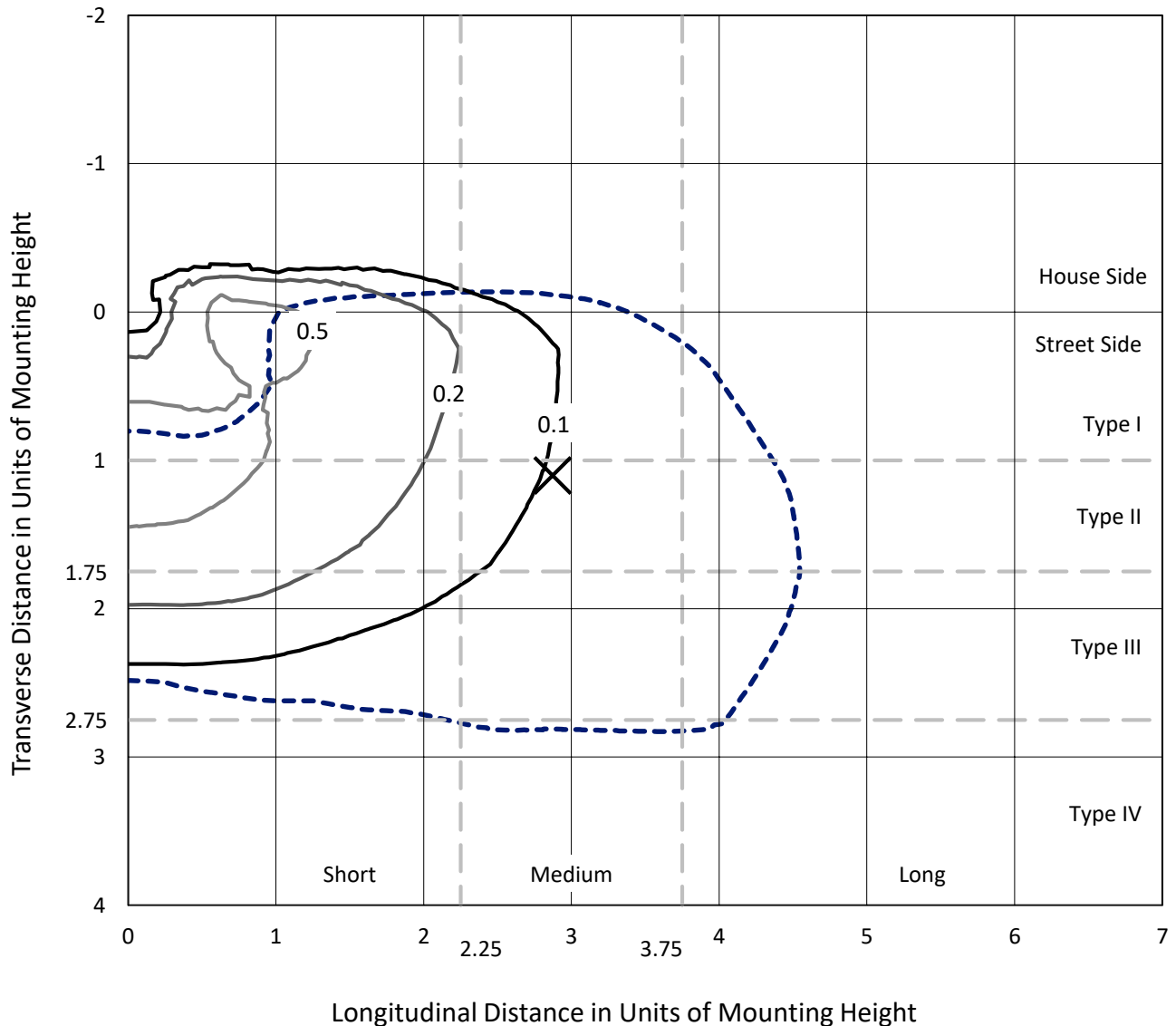


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

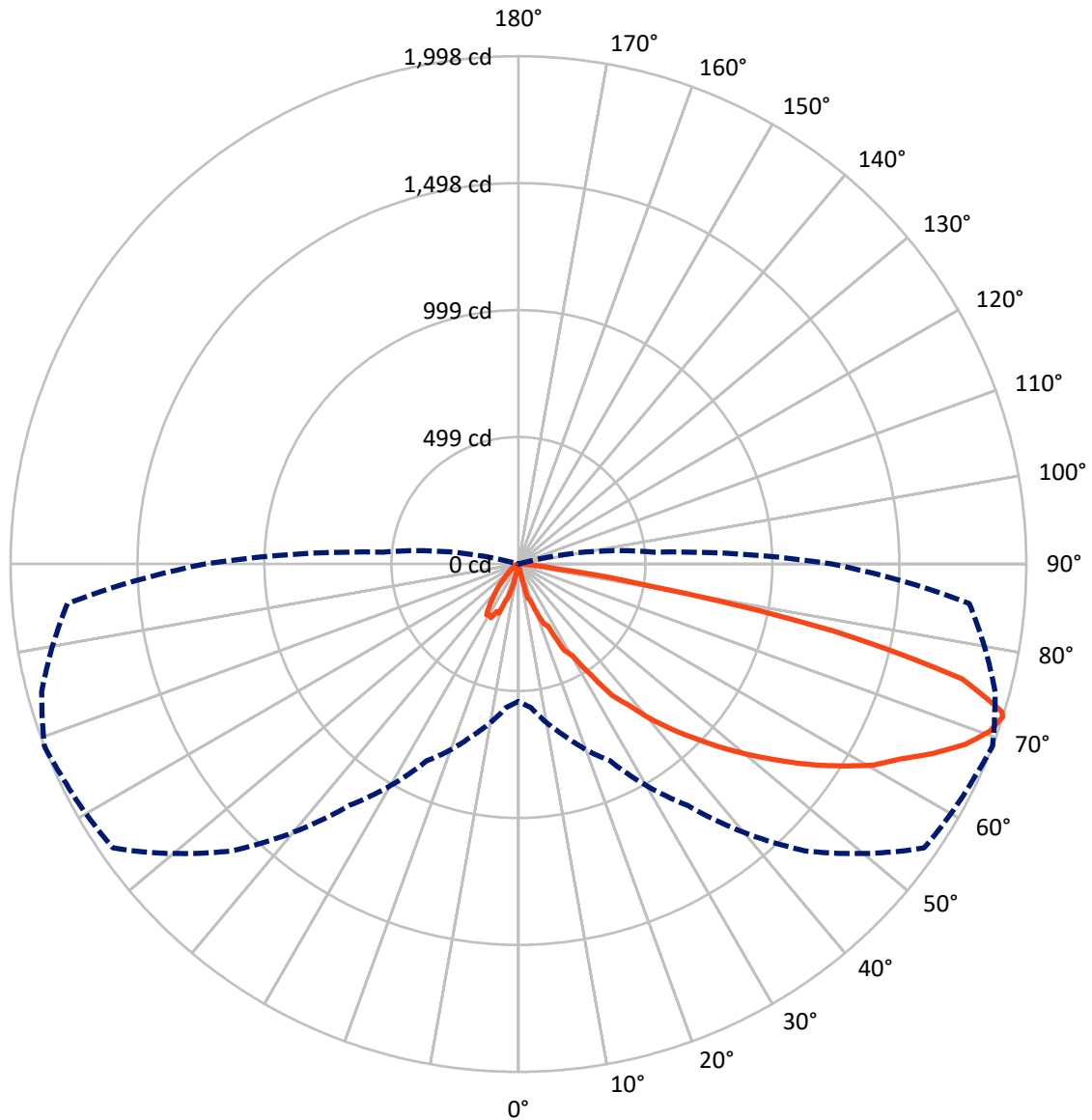


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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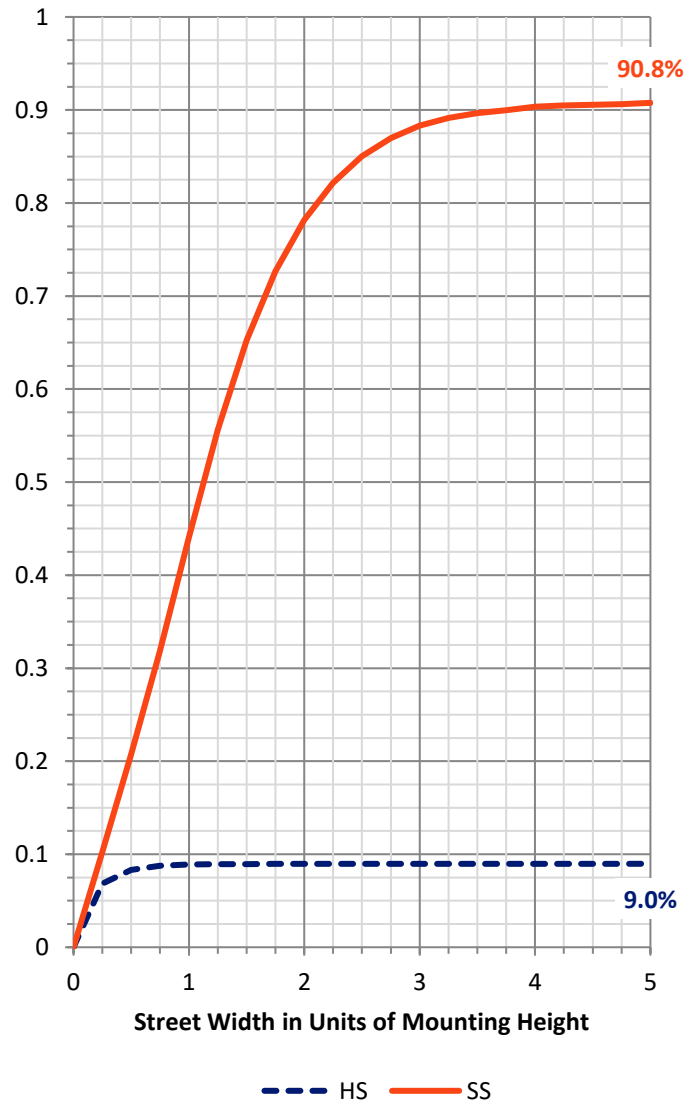
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	269.8	0.0	269.8
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	2705.2	0.0	2705.2
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	2975.0	0.0	2975.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	25.9	0.9
20°-30°	92.7	3.1
30°-40°	236.7	8.0
40°-50°	468.3	15.7
50°-60°	738.0	24.8
60°-70°	858.4	28.9
70°-80°	521.1	17.5
80°-90°	32.2	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°	2975.0	100.0
0°-180°	2975.0	100.0



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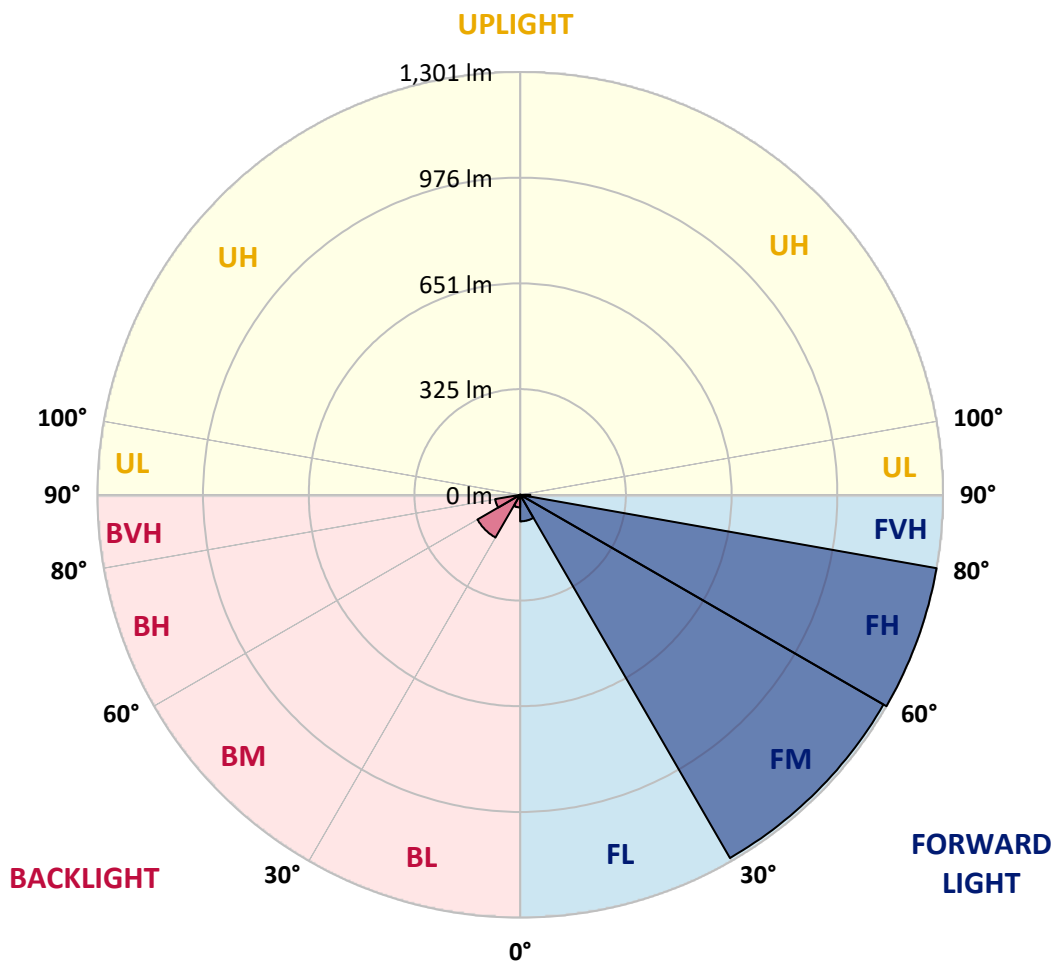
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	81.7	2.7			
FM	(30°-60°)	1291.1	43.4			
FH	(60°-80°)	1301.4	43.7			G1/1800
FVH	(80°-90°)	31.1	1.0			G1/100
BL	(0°-30°)	38.7	1.3	B0/110		
BM	(30°-60°)	151.9	5.1	B0/220		
BH	(60°-80°)	78.1	2.6	B0/110		G0/110
BVH	(80°-90°)	1.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	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°	0.4	0.4	0.4	0.4	0.8	0.8	1.3	1.3	1.3	1.3	1.3
5°	41.4	27.1	20.3	16.9	8.5	2.1	1.3	1.3	1.3	1.3	1.3
7.5°	63.8	63.8	64.3	64.7	66.0	55.4	11.8	1.3	1.3	1.3	1.3
10°	61.7	61.3	61.3	62.1	63.8	65.5	67.2	8.9	2.1	1.3	1.3
12.5°	120.5	119.2	110.8	77.4	63.4	64.3	67.6	51.6	14.4	8.5	48.6
15°	119.2	118.8	119.6	121.8	122.6	68.5	100.2	136.1	139.1	93.9	113.7
17.5°	130.2	126.4	120.5	121.3	125.1	147.1	141.6	147.5	150.5	105.3	123.0
20°	180.1	179.7	180.5	141.6	132.3	186.4	164.0	160.2	199.1	208.4	231.2
22.5°	183.9	183.1	184.3	188.6	211.8	194.9	237.6	243.1	254.5	281.6	264.2
25°	257.5	257.5	211.4	197.0	241.4	220.3	294.2	276.5	270.6	302.3	339.9
27.5°	310.7	307.3	296.4	275.2	251.1	311.6	313.3	377.9	383.4	421.9	429.1
30°	393.6	388.9	359.8	343.3	311.6	327.6	365.7	449.4	419.0	449.8	481.1
32.5°	582.6	575.8	539.0	432.5	392.7	355.1	438.4	482.4	512.4	596.1	630.3
35°	754.6	710.7	660.3	579.2	476.0	461.7	473.1	598.2	633.7	659.5	694.2
37.5°	928.0	928.8	878.5	681.5	601.6	533.1	570.3	668.4	704.3	742.4	773.6
40°	1067.0	1045.9	978.7	834.1	709.8	641.3	646.0	736.9	800.7	848.5	854.8
42.5°	1244.6	1235.7	1136.8	973.6	849.7	782.9	762.7	807.5	892.0	923.7	943.2
45°	1414.5	1401.4	1317.3	1132.6	999.4	924.6	896.7	897.1	980.4	1014.2	1042.1
47.5°	1541.8	1520.7	1475.4	1278.8	1187.5	1079.3	1021.4	999.4	1080.6	1124.5	1140.2
50°	1675.0	1640.3	1604.4	1444.1	1349.9	1256.0	1145.3	1120.7	1179.5	1228.5	1241.2
52.5°	1764.2	1713.9	1688.9	1562.1	1495.3	1435.7	1269.1	1241.6	1283.5	1341.4	1331.3
55°	1718.9	1703.3	1730.3	1664.0	1599.3	1533.3	1404.0	1381.6	1392.6	1441.2	1417.1
57.5°	1624.7	1629.3	1709.2	1721.9	1692.7	1630.6	1524.9	1521.1	1498.7	1538.4	1507.1
60°	1526.2	1543.5	1654.7	1718.1	1739.2	1718.5	1652.6	1624.7	1604.8	1632.7	1608.2
62.5°	1394.3	1397.6	1546.9	1684.3	1721.5	1787.0	1741.8	1728.2	1687.2	1728.7	1718.5
65°	1228.5	1232.8	1373.1	1568.0	1668.2	1800.1	1811.5	1825.9	1794.2	1805.6	1837.7
67.5°	1043.4	1051.4	1174.0	1362.1	1553.6	1774.3	1869.4	1896.9	1894.4	1891.0	1922.7
70°	844.7	850.2	949.9	1114.8	1368.5	1703.3	1923.1	1958.2	1967.9	1944.3	1921.9
72°	540.3	566.9	698.8	854.4	1158.4	1595.5	1947.2	1980.6	1997.5	1940.9	1780.2
72.5°	424.4	445.6	645.6	782.9	1086.5	1570.5	1942.6	1973.0	1988.7	1922.3	1720.2
75°	91.3	93.9	202.1	380.5	685.3	1203.2	1781.5	1785.3	1802.2	1675.0	1177.8
77.5°	39.3	39.7	56.2	125.6	246.0	615.1	1233.2	1268.3	1267.0	1084.0	569.5
80°	27.5	28.3	33.4	57.5	117.1	178.0	602.4	606.2	521.7	387.7	142.0
82.5°	14.4	15.2	23.7	34.2	79.5	65.1	194.9	196.6	145.0	91.3	33.0
85°	2.5	3.8	11.4	20.7	30.9	26.2	42.7	53.7	46.5	36.4	14.0
87.5°	0.4	0.4	3.0	3.0	4.2	2.5	4.2	4.7	5.1	7.6	3.8
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.3	1.3	1.3	1.3	0.8	0.4	0.0	0.0	0.0	0.0	0.0
5°	1.3	1.3	1.3	1.3	0.8	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.3	1.3	1.3	1.3	0.8	0.4	0.0	38.9	52.4	55.8	59.6
10°	1.3	1.7	1.3	1.3	0.8	53.3	65.5	66.4	67.2	67.2	66.8
12.5°	53.7	55.0	19.4	3.8	49.5	67.6	64.3	58.8	53.7	52.0	51.6
15°	115.0	115.4	104.4	90.0	96.0	63.8	50.3	57.1	57.9	55.8	55.8
17.5°	123.9	123.9	118.4	144.6	121.3	63.8	52.8	43.5	37.2	35.5	35.1
20°	245.2	214.8	173.8	146.7	98.9	71.4	37.2	31.7	30.9	30.9	32.1
22.5°	264.6	260.8	226.2	197.9	85.0	50.3	36.4	36.4	43.1	42.3	41.9
25°	345.4	340.3	256.2	172.1	85.0	43.1	46.1	40.6	39.7	38.9	38.0
27.5°	436.7	426.1	360.2	155.6	60.0	45.2	44.0	38.5	45.7	45.7	45.2
30°	497.2	457.4	362.7	139.5	50.7	48.2	41.4	44.8	40.6	38.0	38.0
32.5°	644.3	626.1	443.5	98.5	48.2	43.5	43.5	38.5	34.2	35.5	35.1
35°	690.8	667.1	394.9	74.0	44.4	40.2	36.4	33.8	29.2	26.2	25.8
37.5°	748.3	717.4	331.4	57.1	43.5	35.5	30.0	25.8	22.4	22.4	22.0
40°	818.9	772.0	271.0	48.6	38.5	30.4	23.3	19.9	17.8	16.5	16.1
42.5°	896.2	823.5	208.4	44.0	33.4	24.9	17.3	14.4	13.1	12.7	12.7
45°	977.8	871.3	149.7	40.2	29.2	19.4	12.7	10.1	9.7	9.7	9.7
47.5°	1061.1	906.0	101.9	36.4	24.5	14.4	9.3	7.6	7.6	7.2	7.2
50°	1142.7	929.6	70.2	32.6	19.9	10.1	6.8	6.3	6.3	5.9	5.9
52.5°	1201.9	924.1	52.4	28.3	15.6	7.6	5.5	5.1	5.1	5.1	5.1
55°	1259.4	911.9	43.1	24.1	11.8	5.5	4.2	3.8	3.8	3.8	3.8
57.5°	1318.6	895.4	37.2	19.4	8.5	4.2	3.0	3.0	3.0	3.0	3.0
60°	1367.6	863.3	32.1	15.6	5.9	3.0	2.5	2.1	2.1	2.1	2.1
62.5°	1422.2	830.7	27.5	11.8	4.2	2.1	1.7	1.3	1.3	0.8	1.3
65°	1461.1	791.0	22.4	8.5	3.0	1.7	1.3	0.8	0.4	0.0	0.4
67.5°	1460.2	738.1	16.1	5.5	2.1	1.3	0.8	0.4	0.0	0.0	0.0
70°	1396.4	662.5	11.0	3.8	1.7	0.8	0.8	0.4	0.0	0.0	0.0
72°	1232.3	534.4	8.5	3.4	1.7	0.8	0.8	0.4	0.0	0.0	0.0
72.5°	1174.8	490.4	7.6	3.0	1.7	0.8	0.8	0.4	0.0	0.0	0.0
75°	746.2	204.2	5.9	2.5	1.7	0.8	0.8	0.4	0.4	0.4	0.0
77.5°	346.7	74.8	4.2	2.1	1.3	0.8	0.8	0.4	0.4	0.8	0.0
80°	75.7	22.0	3.0	2.1	1.3	0.8	0.8	0.8	0.8	1.3	0.0
82.5°	17.3	7.2	2.5	1.7	1.3	0.8	0.8	0.8	0.8	1.3	0.0
85°	6.3	4.2	2.5	2.1	1.7	0.8	0.8	1.3	1.3	1.7	0.0
87.5°	2.5	2.5	2.1	2.1	1.7	0.8	1.3	1.3	1.7	1.7	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)