

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: P414624

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T2R-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414624  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-730-U-T2R-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2795 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Medium - Full Cutoff  
BUG Rating: B0 - U0 - G1

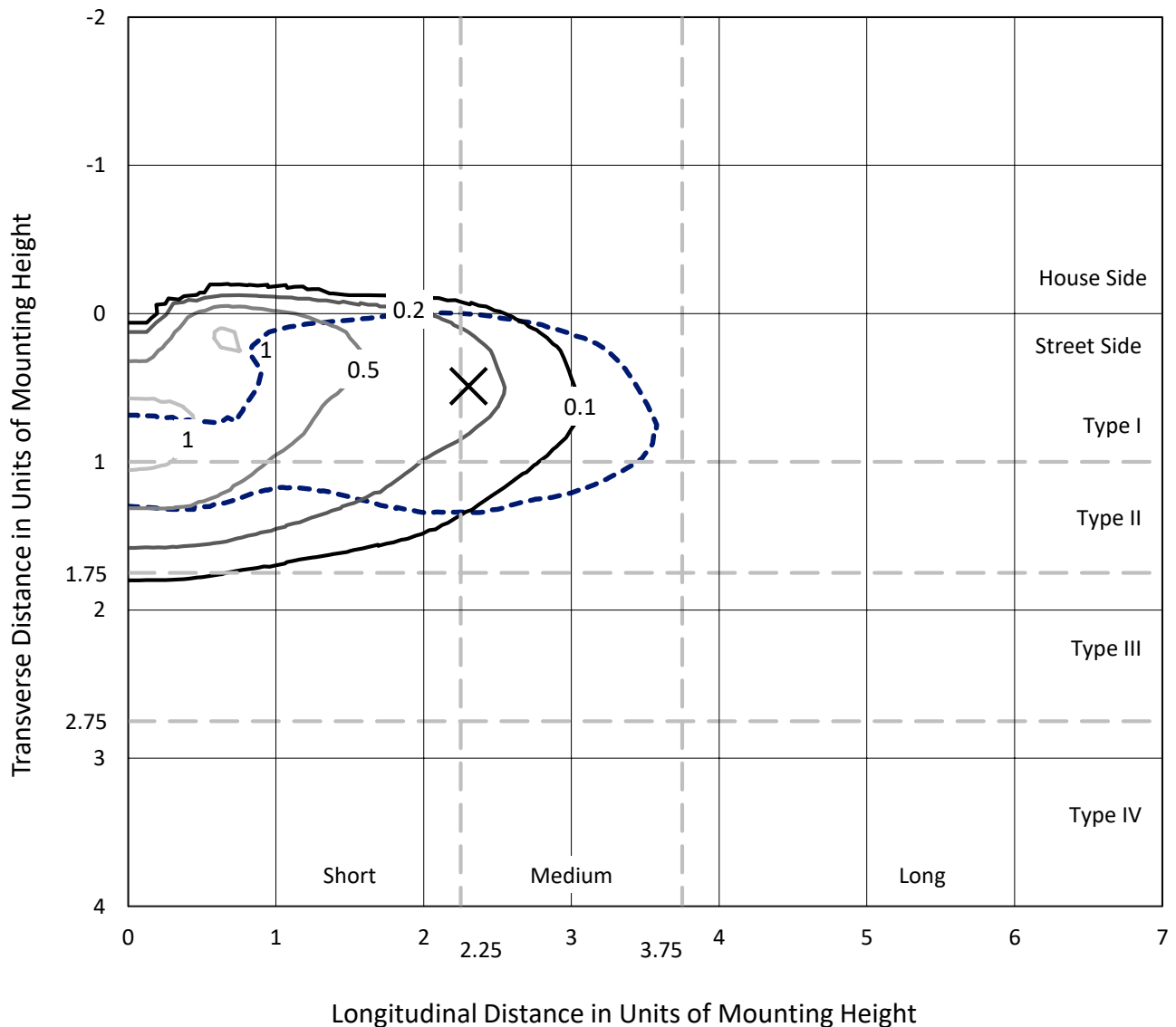
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414624  
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### Iso-Footcandle Lines of Horizontal Illumination

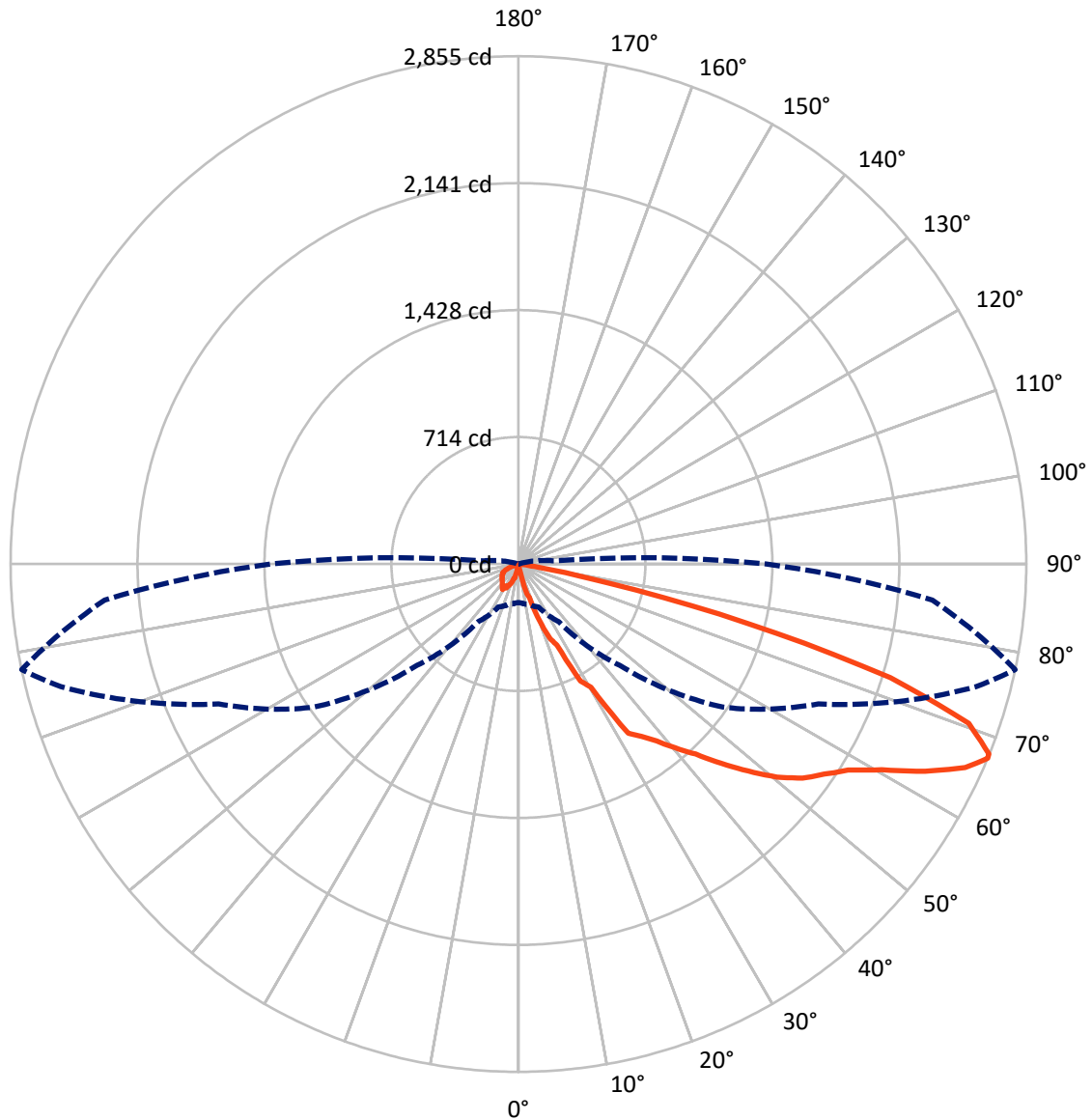
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type II - Medium - Full Cutoff

REPORT NUMBER: P414624  
CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-HSS

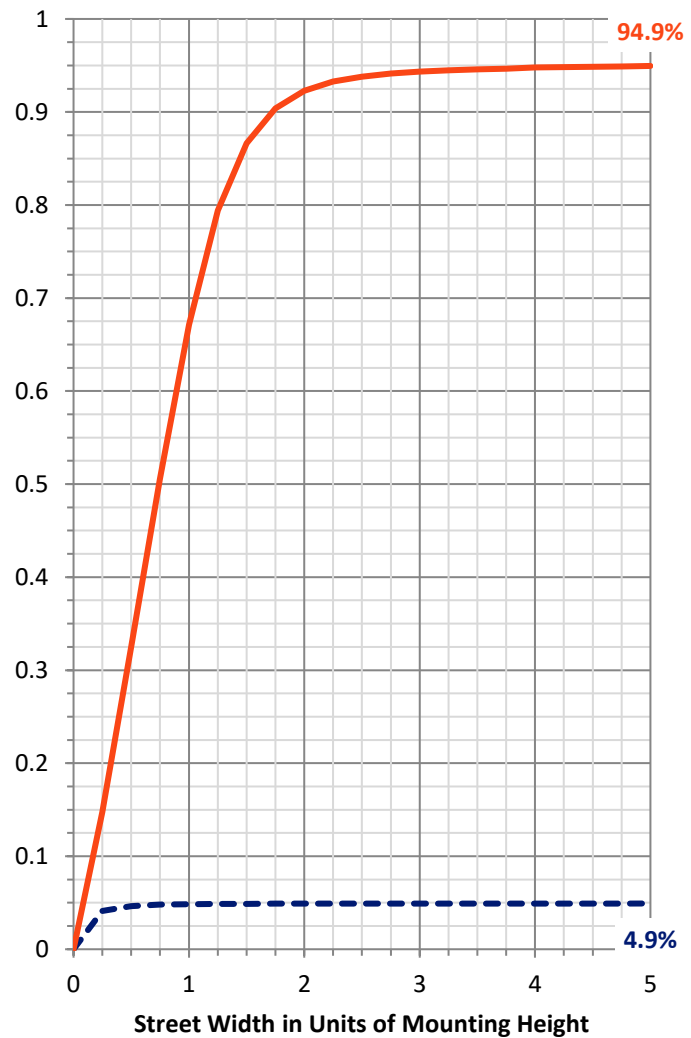
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	138.4	0.0	138.4
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	2656.6	0.0	2656.6
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	2795.0	0.0	2795.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	38.1	1.4
20°-30°	151.8	5.4
30°-40°	386.1	13.8
40°-50°	632.1	22.6
50°-60°	712.8	25.5
60°-70°	614.6	22.0
70°-80°	247.3	8.8
80°-90°	9.7	0.3
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°	2795.0	100.0
0°-180°	2795.0	100.0



--- HS    — SS

REPORT NUMBER: P414624

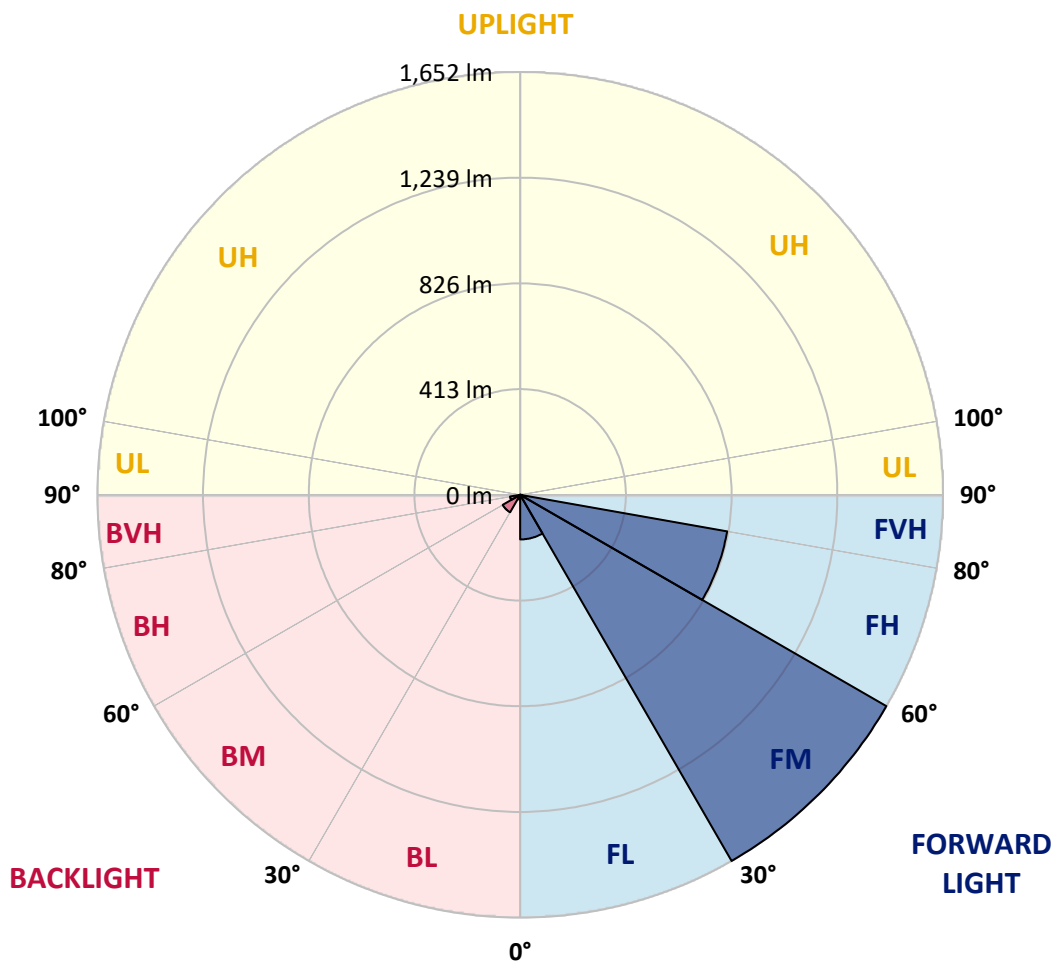
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	174.3	6.2			
FM	(30°-60°)	1652.1	59.1			
FH	(60°-80°)	821.4	29.4			G1/1800
FVH	(80°-90°)	8.7	0.3			G0/10
BL	(0°-30°)	18.2	0.6	B0/110		
BM	(30°-60°)	78.8	2.8	B0/220		
BH	(60°-80°)	40.5	1.4	B0/110		G0/110
BVH	(80°-90°)	1.0	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 II Medium





REPORT NUMBER: P414624

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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	0.8	0.8	1.5	1.5	1.2	1.2	1.2	1.2	1.2
5°	117.1	91.6	65.1	18.9	7.3	3.5	1.5	1.2	1.2	1.2	0.8
7.5°	130.5	129.4	127.8	127.1	124.8	120.9	8.5	1.5	1.2	1.2	1.2
10°	139.8	137.5	137.1	136.7	135.1	132.1	126.3	7.3	1.2	1.2	1.2
12.5°	280.7	279.5	274.9	160.9	144.8	141.7	136.7	98.2	7.7	64.7	70.1
15°	277.2	276.5	279.5	285.7	291.5	155.6	222.2	280.3	172.1	164.8	171.7
17.5°	286.9	286.5	281.5	286.5	295.3	344.6	317.3	305.7	191.0	199.5	183.3
20°	429.7	428.9	433.2	407.4	306.5	429.3	398.5	331.1	375.0	344.6	346.2
22.5°	451.3	452.8	451.7	460.5	532.1	443.6	495.9	514.8	521.0	456.3	393.9
25°	662.3	652.6	632.6	489.0	573.7	550.2	629.9	556.4	560.2	504.8	504.8
27.5°	742.0	742.0	725.4	706.5	608.7	706.5	663.0	730.8	797.0	744.7	632.2
30°	1006.9	999.2	832.1	808.2	757.8	747.7	800.5	857.9	828.6	804.0	711.2
32.5°	1197.1	1197.9	1155.5	1026.1	901.0	834.0	927.2	946.4	1104.7	1133.6	964.1
35°	1527.5	1508.2	1301.0	1183.6	1060.4	1015.7	1011.1	1108.5	1199.4	1189.4	1045.0
37.5°	1737.3	1723.8	1623.7	1360.0	1202.1	1102.0	1162.0	1166.7	1313.8	1263.3	1141.6
40°	1833.6	1827.4	1742.7	1518.6	1326.5	1219.8	1239.1	1254.1	1428.5	1359.2	1222.9
42.5°	1911.3	1905.6	1828.6	1598.3	1445.8	1332.6	1325.7	1328.4	1521.3	1460.5	1304.9
45°	1948.7	1945.2	1912.1	1668.8	1497.8	1405.8	1420.0	1402.7	1602.1	1598.3	1395.8
47.5°	1912.5	1914.4	1923.7	1731.1	1535.9	1463.5	1511.7	1483.9	1698.4	1738.8	1498.2
50°	1785.0	1784.3	1837.0	1740.4	1557.9	1509.7	1592.5	1560.6	1812.8	1882.8	1590.6
52.5°	1392.7	1443.9	1634.9	1641.0	1552.9	1532.8	1653.4	1648.7	1920.6	1999.9	1683.0
55°	1048.1	1068.9	1250.2	1423.5	1488.2	1530.1	1674.9	1708.0	2000.3	2085.4	1755.4
57.5°	823.6	816.7	916.0	1147.4	1324.9	1484.7	1669.9	1731.1	2078.1	2185.5	1850.9
60°	602.6	608.7	687.7	832.1	1089.7	1381.5	1654.5	1768.5	2201.3	2347.2	1993.0
62.5°	437.0	437.0	491.3	579.5	834.8	1216.0	1621.0	1820.8	2394.2	2566.7	2162.0
65°	294.2	292.2	332.7	377.7	571.8	1006.1	1530.9	1869.7	2579.0	2759.6	2307.2
67°	216.4	220.6	237.2	266.8	395.4	805.9	1402.3	1860.1	2664.1	2855.1	2335.6
67.5°	202.5	204.5	227.2	253.4	364.6	752.8	1365.7	1848.6	2673.3	2852.8	2321.0
70°	147.1	150.2	162.5	170.2	220.6	496.7	1090.0	1666.8	2538.6	2685.6	2110.4
72.5°	78.9	85.5	118.2	117.4	137.1	303.0	741.2	1237.1	2086.5	2186.3	1619.9
75°	61.6	62.4	70.5	87.0	88.6	168.6	356.5	718.9	1319.9	1327.2	899.5
77.5°	45.0	47.0	52.0	55.1	57.8	95.9	124.8	285.7	584.5	510.6	336.9
80°	30.4	31.6	34.3	40.8	47.4	54.3	40.4	76.2	137.5	106.7	50.4
82.5°	13.1	12.7	23.9	34.3	33.9	22.3	20.4	23.9	27.3	25.0	15.4
85°	0.8	1.2	12.3	16.6	14.2	9.6	12.7	10.0	10.4	10.0	7.7
87.5°	0.4	0.4	1.2	1.5	1.9	1.9	2.3	2.3	3.1	3.5	3.1
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: P414624

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T2R-HSS

**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°	1.2	1.2	1.2	1.2	1.2	0.4	0.4	0.0	0.0	0.0	0.0
5°	1.2	1.2	1.2	1.2	1.2	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.2	1.2	1.2	1.2	1.2	0.4	0.0	4.2	11.6	12.3	11.9
10°	1.2	1.2	1.2	1.2	0.8	10.0	13.9	13.1	12.7	12.3	12.3
12.5°	70.1	59.3	10.8	2.3	10.0	12.7	11.2	11.2	10.8	10.8	10.8
15°	153.2	128.6	60.5	20.4	15.8	10.8	10.0	10.0	16.6	18.1	17.7
17.5°	160.6	129.8	59.3	27.7	22.7	13.9	13.9	17.7	17.3	16.6	16.6
20°	305.3	200.2	68.5	27.3	20.8	21.9	16.6	15.4	14.6	13.9	13.9
22.5°	326.5	235.3	73.5	34.7	22.3	21.9	16.9	14.2	18.1	17.7	17.7
25°	421.6	284.2	66.6	32.3	28.9	20.0	18.1	15.8	15.4	14.6	14.6
27.5°	522.5	336.1	73.5	33.5	26.2	19.6	16.9	13.9	14.6	16.2	16.2
30°	572.9	336.5	58.1	34.3	25.0	20.0	15.0	15.4	14.6	14.2	13.9
32.5°	768.9	432.0	55.8	32.7	23.5	17.3	15.4	13.5	12.3	13.5	13.5
35°	803.6	417.0	48.5	33.1	21.2	15.8	13.1	12.3	12.3	11.9	11.9
37.5°	841.7	400.8	42.7	29.3	20.4	14.2	11.2	11.2	10.8	11.6	11.6
40°	883.7	383.9	38.1	25.4	17.3	11.9	10.0	9.6	10.0	10.0	9.6
42.5°	932.6	367.3	34.3	22.3	14.6	10.0	8.1	8.1	8.1	7.7	7.7
45°	984.9	354.2	31.6	19.3	12.3	8.5	6.5	6.2	5.8	5.8	5.8
47.5°	1046.9	348.8	29.3	16.2	10.4	6.5	5.0	4.6	4.2	3.9	3.9
50°	1098.9	346.5	25.8	13.5	8.9	5.4	3.5	3.1	2.7	2.3	2.3
52.5°	1144.7	336.5	22.3	10.8	6.9	3.9	2.3	1.5	1.2	1.2	1.2
55°	1190.2	327.3	19.3	9.2	5.0	2.3	1.2	0.4	0.4	0.8	0.8
57.5°	1246.4	316.9	16.6	7.7	3.9	1.5	0.8	0.0	0.4	0.4	0.8
60°	1334.5	306.1	14.6	6.5	2.7	1.2	0.4	0.0	0.0	0.4	0.4
62.5°	1413.5	287.2	12.7	5.8	2.3	1.2	0.4	0.0	0.0	0.0	0.4
65°	1447.7	248.4	11.2	5.0	2.3	1.2	0.4	0.0	0.0	0.0	0.0
67°	1390.4	201.0	10.0	4.6	1.9	0.8	0.4	0.0	0.0	0.0	0.0
67.5°	1363.4	187.5	10.0	4.2	1.9	0.8	0.4	0.4	0.0	0.0	0.0
70°	1157.4	124.4	8.9	3.9	1.9	0.8	0.8	0.4	0.0	0.0	0.0
72.5°	888.3	72.4	7.7	3.5	1.9	0.8	0.8	0.4	0.4	0.0	0.0
75°	496.7	36.6	6.2	3.5	1.9	1.2	1.2	0.8	0.8	0.8	0.0
77.5°	159.0	20.0	4.6	3.1	1.9	1.2	1.2	0.8	1.2	1.2	0.4
80°	25.0	10.4	3.5	2.3	1.9	0.8	1.2	1.2	1.5	1.5	0.4
82.5°	9.2	5.8	2.7	2.3	1.9	0.8	1.2	1.2	1.5	1.9	0.0
85°	4.2	3.5	2.7	2.3	1.9	0.8	1.2	1.2	1.5	1.9	0.0
87.5°	1.9	2.7	2.3	2.3	1.9	0.8	1.2	1.2	1.5	1.5	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)