

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: P414780

Luminaire Tested: **LXF.LXT-PA1-30-760-U-T2R-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414780  
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-PA1-30-760-U-T2R-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5700K, 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: 3069 lumens  
Efficiency: N/A  
Efficacy: 99.0 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

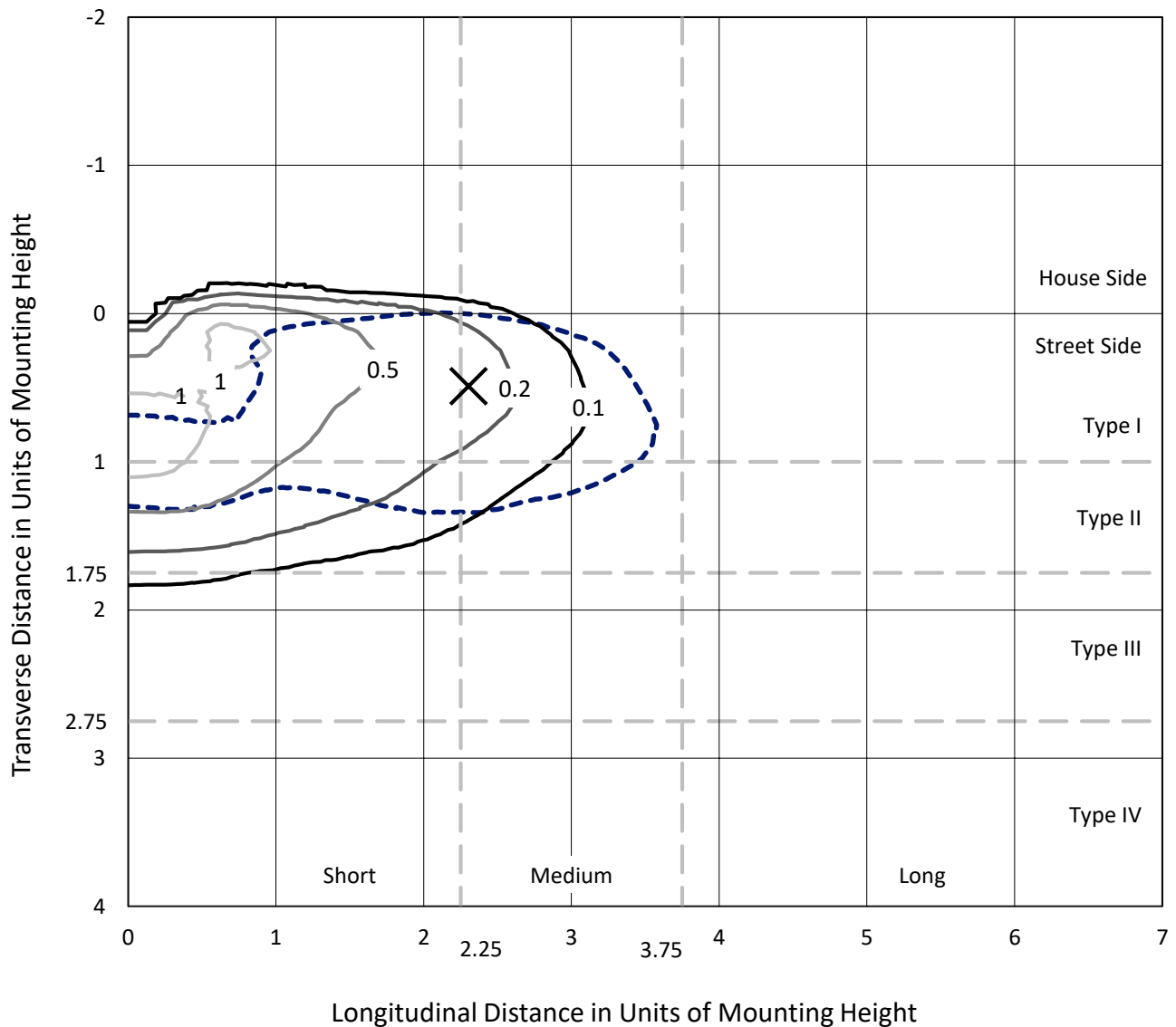
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

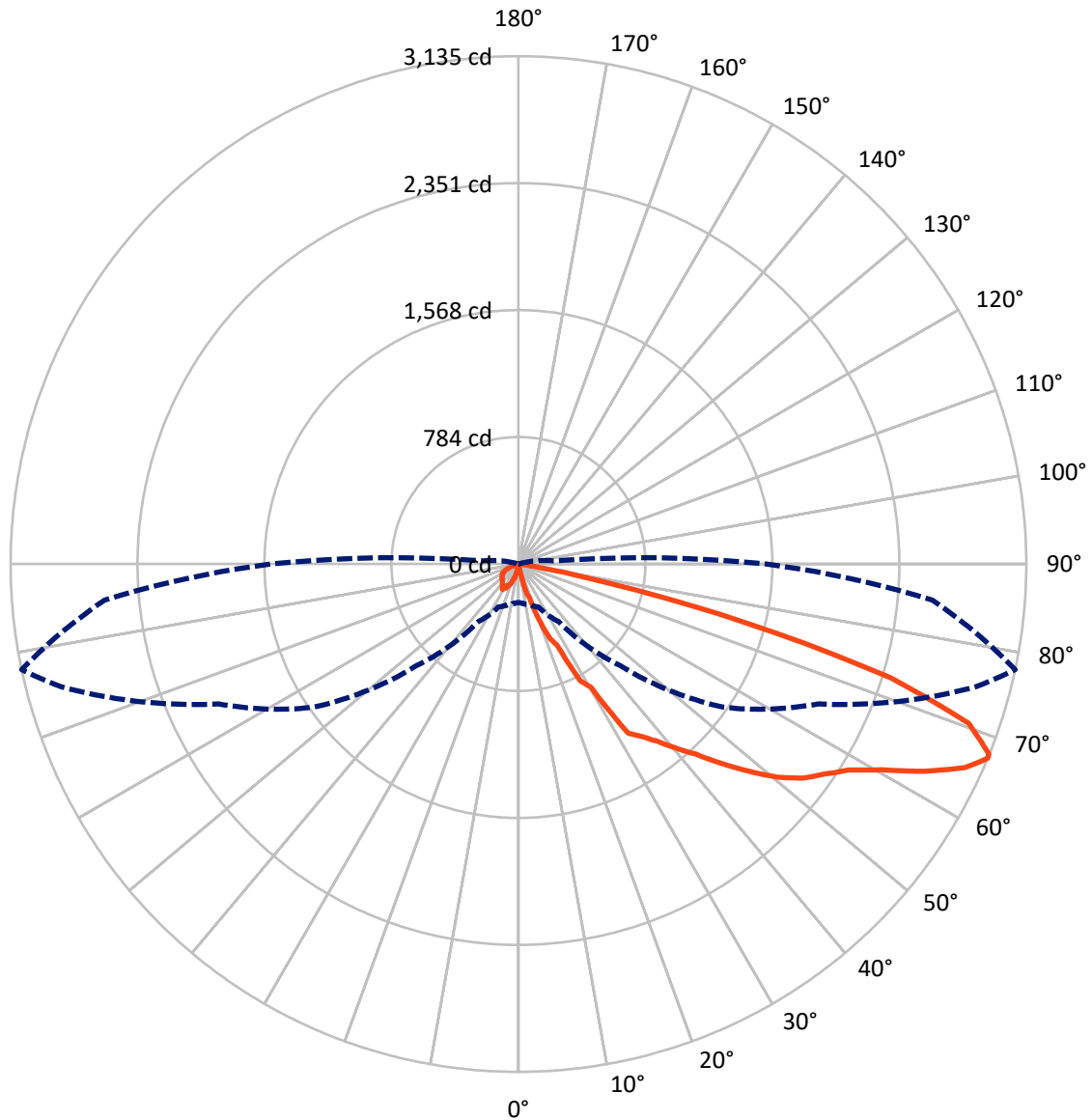
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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



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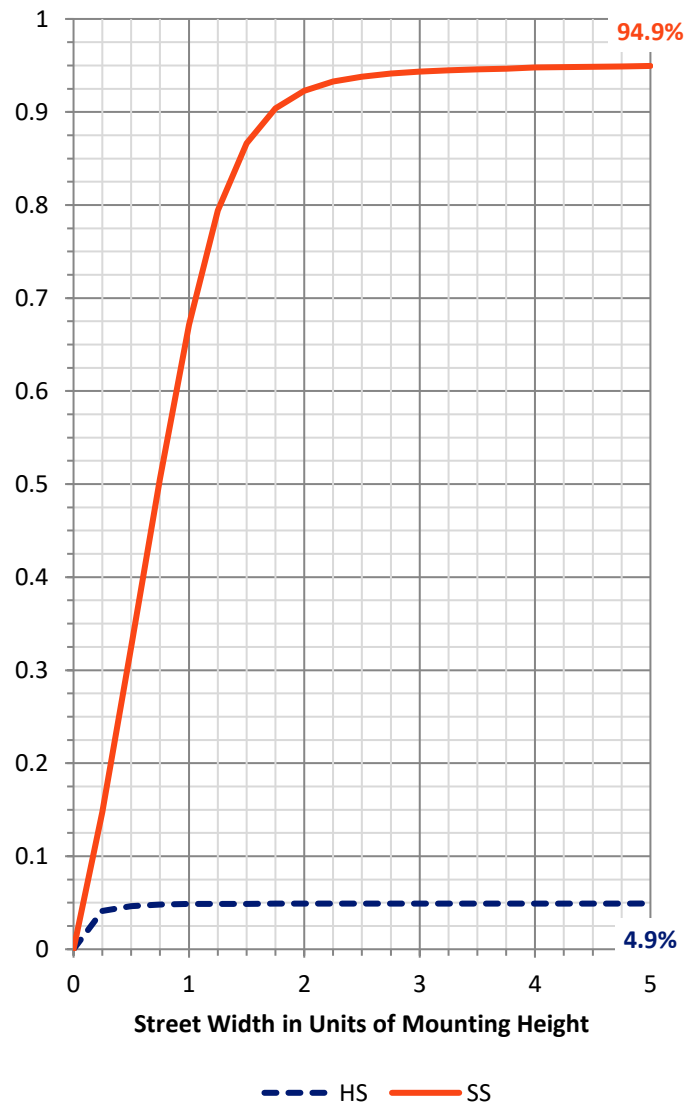
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	152.0	0.0	152.0
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	2917.0	0.0	2917.0
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	3069.0	0.0	3069.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	41.8	1.4
20°-30°	166.6	5.4
30°-40°	423.9	13.8
40°-50°	694.1	22.6
50°-60°	782.6	25.5
60°-70°	674.9	22.0
70°-80°	271.5	8.8
80°-90°	10.6	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°	3069.0	100.0
0°-180°	3069.0	100.0

**Coefficient of Utilization**



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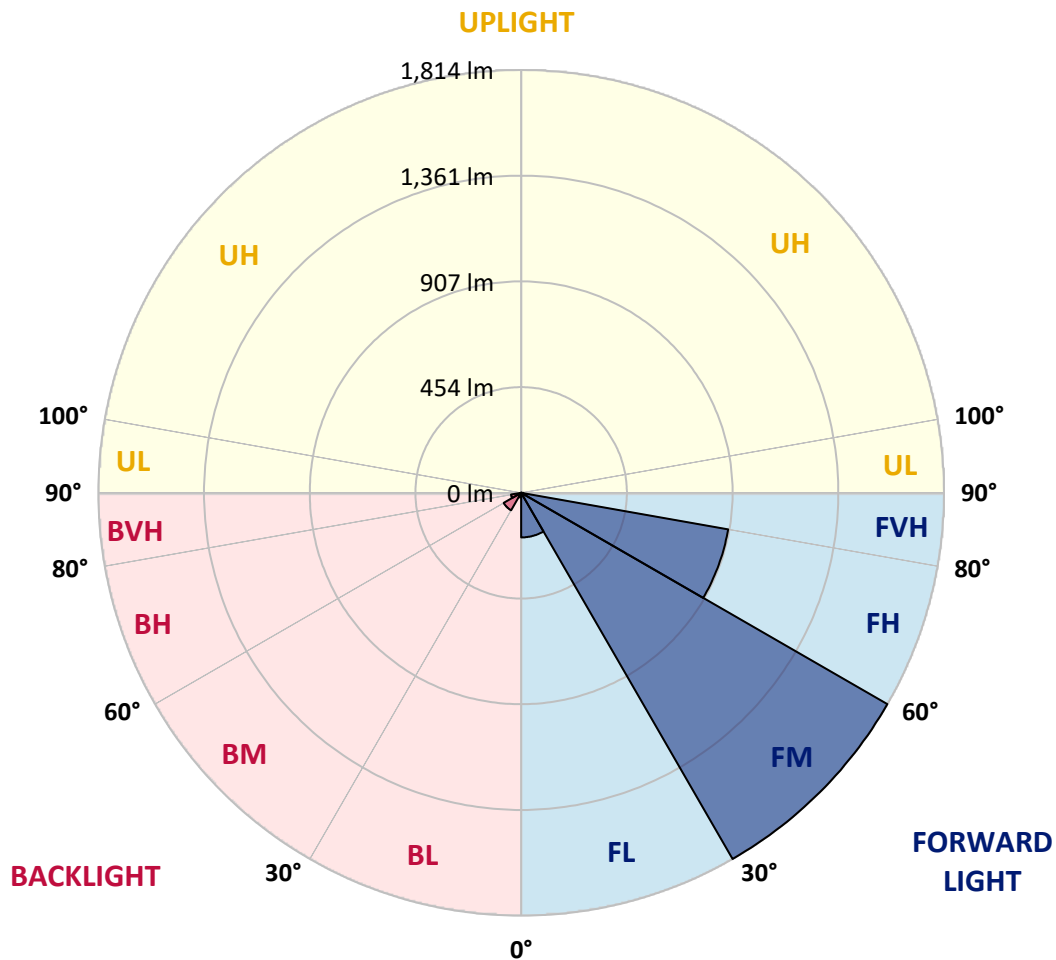
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.4	6.2			
FM (30°-60°)	1814.1	59.1			
FH (60°-80°)	902.0	29.4			G1/1800
FVH (80°-90°)	9.6	0.3			G0/10
BL (0°-30°)	19.9	0.6	B0/110		
BM (30°-60°)	86.5	2.8	B0/220		
BH (60°-80°)	44.4	1.4	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 II Medium





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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	1.7	1.7	1.3	1.3	1.3	1.3	1.3
5°	128.5	100.6	71.5	20.7	8.0	3.8	1.7	1.3	1.3	1.3	0.8
7.5°	143.3	142.1	140.4	139.5	137.0	132.8	9.3	1.7	1.3	1.3	1.3
10°	153.5	150.9	150.5	150.1	148.4	145.0	138.7	8.0	1.3	1.3	1.3
12.5°	308.2	306.9	301.9	176.7	159.0	155.6	150.1	107.8	8.5	71.0	76.9
15°	304.4	303.6	306.9	313.7	320.0	170.8	243.9	307.8	189.0	181.0	188.6
17.5°	315.0	314.6	309.1	314.6	324.3	378.4	348.4	335.7	209.7	219.0	201.2
20°	471.8	471.0	475.6	447.3	336.5	471.4	437.6	363.6	411.8	378.4	380.1
22.5°	495.5	497.2	495.9	505.7	584.3	487.0	544.5	565.3	572.0	501.0	432.5
25°	727.2	716.6	694.6	536.9	630.0	604.2	691.7	610.9	615.2	554.3	554.3
27.5°	814.7	814.7	796.5	775.8	668.4	775.8	728.0	802.4	875.2	817.7	694.2
30°	1105.6	1097.1	913.6	887.4	832.0	821.0	879.0	942.0	909.8	882.8	780.9
32.5°	1314.4	1315.3	1268.8	1126.7	989.3	915.8	1018.1	1039.2	1213.0	1244.7	1058.7
35°	1677.2	1656.1	1428.6	1299.6	1164.4	1115.3	1110.2	1217.2	1317.0	1306.0	1147.4
37.5°	1907.6	1892.8	1782.9	1493.3	1319.9	1210.0	1276.0	1281.0	1442.5	1387.2	1253.6
40°	2013.3	2006.5	1913.5	1667.5	1456.5	1339.4	1360.5	1377.0	1568.5	1492.4	1342.8
42.5°	2098.7	2092.4	2007.8	1755.0	1587.6	1463.3	1455.6	1458.6	1670.4	1603.6	1432.8
45°	2139.7	2135.9	2099.6	1832.4	1644.6	1543.6	1559.2	1540.2	1759.2	1755.0	1532.6
47.5°	2100.0	2102.1	2112.2	1900.8	1686.5	1607.0	1659.9	1629.4	1864.9	1909.3	1645.1
50°	1960.0	1959.2	2017.1	1911.0	1710.6	1657.7	1748.6	1713.5	1990.5	2067.4	1746.5
52.5°	1529.2	1585.4	1795.1	1801.9	1705.1	1683.1	1815.4	1810.4	2108.9	2195.9	1848.0
55°	1150.8	1173.7	1372.8	1563.0	1634.1	1680.1	1839.1	1875.5	2196.4	2289.8	1927.5
57.5°	904.3	896.7	1005.8	1259.9	1454.8	1630.3	1833.6	1900.8	2281.8	2399.7	2032.3
60°	661.7	668.4	755.1	913.6	1196.5	1517.0	1816.7	1941.9	2417.1	2577.3	2188.3
62.5°	479.9	479.9	539.5	636.3	916.6	1335.2	1779.9	1999.4	2628.9	2818.3	2373.9
65°	323.0	320.9	365.3	414.8	627.8	1104.7	1681.0	2053.0	2831.8	3030.1	2533.3
67°	237.6	242.3	260.4	293.0	434.2	884.9	1539.8	2042.5	2925.3	3135.0	2564.6
67.5°	222.4	224.5	249.4	278.2	400.4	826.5	1499.6	2029.8	2935.4	3132.4	2548.6
70°	161.5	164.9	178.4	186.9	242.3	545.4	1196.9	1830.2	2787.4	2948.9	2317.3
72.5°	86.7	93.9	129.8	128.9	150.5	332.7	813.9	1358.4	2291.1	2400.6	1778.7
75°	67.6	68.5	77.4	95.5	97.2	185.2	391.5	789.3	1449.3	1457.3	987.6
77.5°	49.5	51.6	57.1	60.5	63.4	105.3	137.0	313.7	641.8	560.6	369.9
80°	33.4	34.7	37.6	44.8	52.0	59.6	44.4	83.7	150.9	117.1	55.4
82.5°	14.4	14.0	26.2	37.6	37.2	24.5	22.4	26.2	30.0	27.5	16.9
85°	0.8	1.3	13.5	18.2	15.6	10.6	14.0	11.0	11.4	11.0	8.5
87.5°	0.4	0.4	1.3	1.7	2.1	2.1	2.5	2.5	3.4	3.8	3.4
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°	1.3	1.3	1.3	1.3	1.3	0.4	0.4	0.0	0.0	0.0	0.0
5°	1.3	1.3	1.3	1.3	1.3	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.3	1.3	1.3	1.3	1.3	0.4	0.0	4.7	12.7	13.5	13.1
10°	1.3	1.3	1.3	1.3	0.8	11.0	15.2	14.4	14.0	13.5	13.5
12.5°	76.9	65.1	11.8	2.5	11.0	14.0	12.3	12.3	11.8	11.8	11.8
15°	168.3	141.2	66.4	22.4	17.3	11.8	11.0	11.0	18.2	19.9	19.4
17.5°	176.3	142.5	65.1	30.4	24.9	15.2	15.2	19.4	19.0	18.2	18.2
20°	335.3	219.8	75.3	30.0	22.8	24.1	18.2	16.9	16.1	15.2	15.2
22.5°	358.5	258.3	80.8	38.1	24.5	24.1	18.6	15.6	19.9	19.4	19.4
25°	462.9	312.0	73.1	35.5	31.7	22.0	19.9	17.3	16.9	16.1	16.1
27.5°	573.7	369.1	80.8	36.8	28.7	21.6	18.6	15.2	16.1	17.8	17.8
30°	629.1	369.5	63.8	37.6	27.5	22.0	16.5	16.9	16.1	15.6	15.2
32.5°	844.3	474.4	61.3	35.9	25.8	19.0	16.9	14.8	13.5	14.8	14.8
35°	882.4	457.9	53.3	36.4	23.3	17.3	14.4	13.5	13.5	13.1	13.1
37.5°	924.2	440.1	46.9	32.1	22.4	15.6	12.3	12.3	11.8	12.7	12.7
40°	970.3	421.5	41.9	27.9	19.0	13.1	11.0	10.6	11.0	11.0	10.6
42.5°	1024.0	403.3	37.6	24.5	16.1	11.0	8.9	8.9	8.9	8.5	8.5
45°	1081.5	389.0	34.7	21.1	13.5	9.3	7.2	6.8	6.3	6.3	6.3
47.5°	1149.6	383.0	32.1	17.8	11.4	7.2	5.5	5.1	4.7	4.2	4.2
50°	1206.6	380.5	28.3	14.8	9.7	5.9	3.8	3.4	3.0	2.5	2.5
52.5°	1256.9	369.5	24.5	11.8	7.6	4.2	2.5	1.7	1.3	1.3	1.3
55°	1306.8	359.4	21.1	10.1	5.5	2.5	1.3	0.4	0.4	0.8	0.8
57.5°	1368.6	348.0	18.2	8.5	4.2	1.7	0.8	0.0	0.4	0.4	0.8
60°	1465.4	336.1	16.1	7.2	3.0	1.3	0.4	0.0	0.0	0.4	0.4
62.5°	1552.0	315.4	14.0	6.3	2.5	1.3	0.4	0.0	0.0	0.0	0.4
65°	1589.7	272.7	12.3	5.5	2.5	1.3	0.4	0.0	0.0	0.0	0.0
67°	1526.7	220.7	11.0	5.1	2.1	0.8	0.4	0.0	0.0	0.0	0.0
67.5°	1497.1	205.9	11.0	4.7	2.1	0.8	0.4	0.4	0.0	0.0	0.0
70°	1270.9	136.6	9.7	4.2	2.1	0.8	0.8	0.4	0.0	0.0	0.0
72.5°	975.4	79.5	8.5	3.8	2.1	0.8	0.8	0.4	0.4	0.0	0.0
75°	545.4	40.2	6.8	3.8	2.1	1.3	1.3	0.8	0.8	0.8	0.0
77.5°	174.6	22.0	5.1	3.4	2.1	1.3	1.3	0.8	1.3	1.3	0.4
80°	27.5	11.4	3.8	2.5	2.1	0.8	1.3	1.3	1.7	1.7	0.4
82.5°	10.1	6.3	3.0	2.5	2.1	0.8	1.3	1.3	1.7	2.1	0.0
85°	4.7	3.8	3.0	2.5	2.1	0.8	1.3	1.3	1.7	2.1	0.0
87.5°	2.1	3.0	2.5	2.5	2.1	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)