

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: P414685

Luminaire Tested: **LXF.LXT-PA1-30-740-U-T2U-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414685  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)  
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-T2U-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2858 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

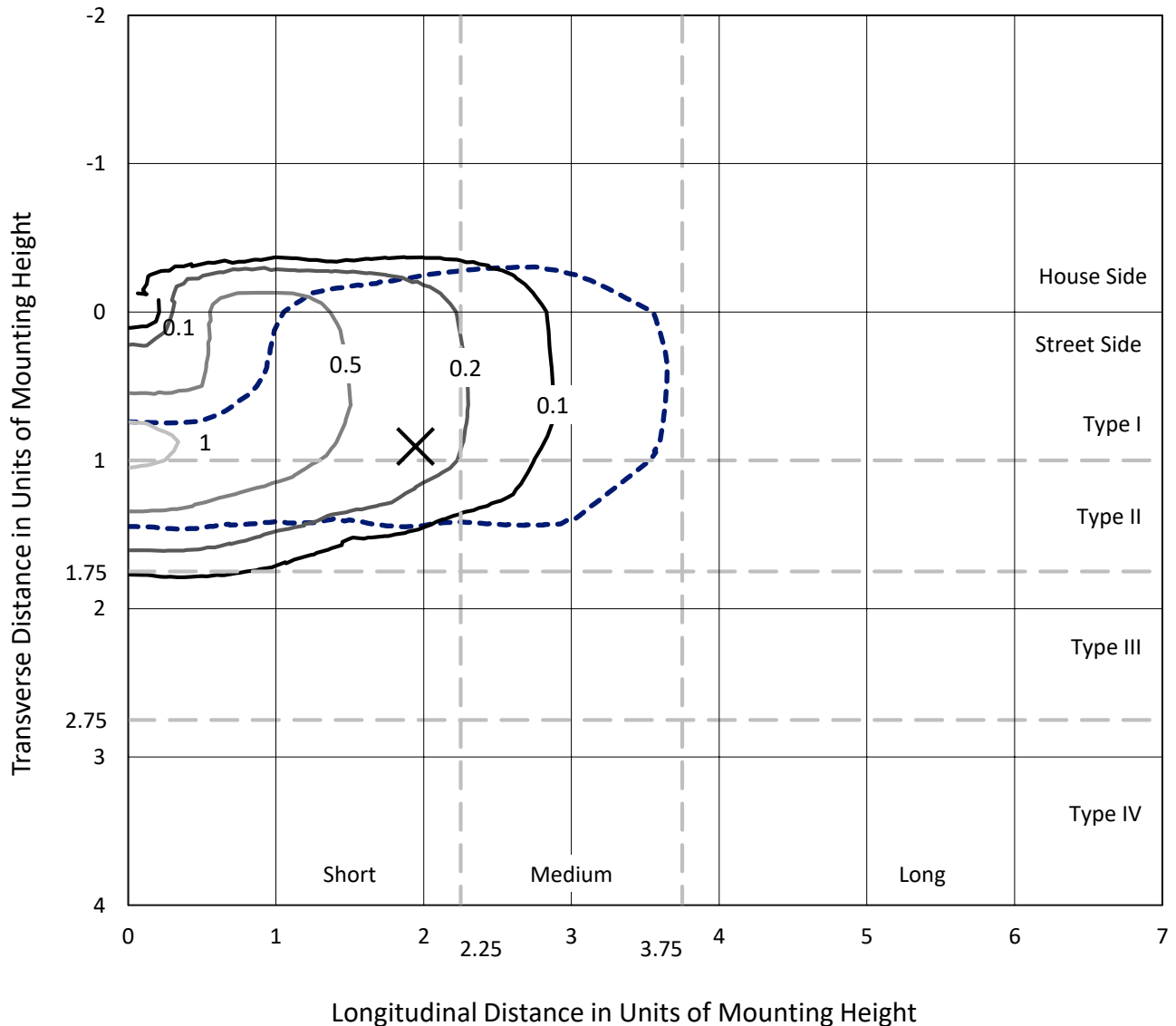
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

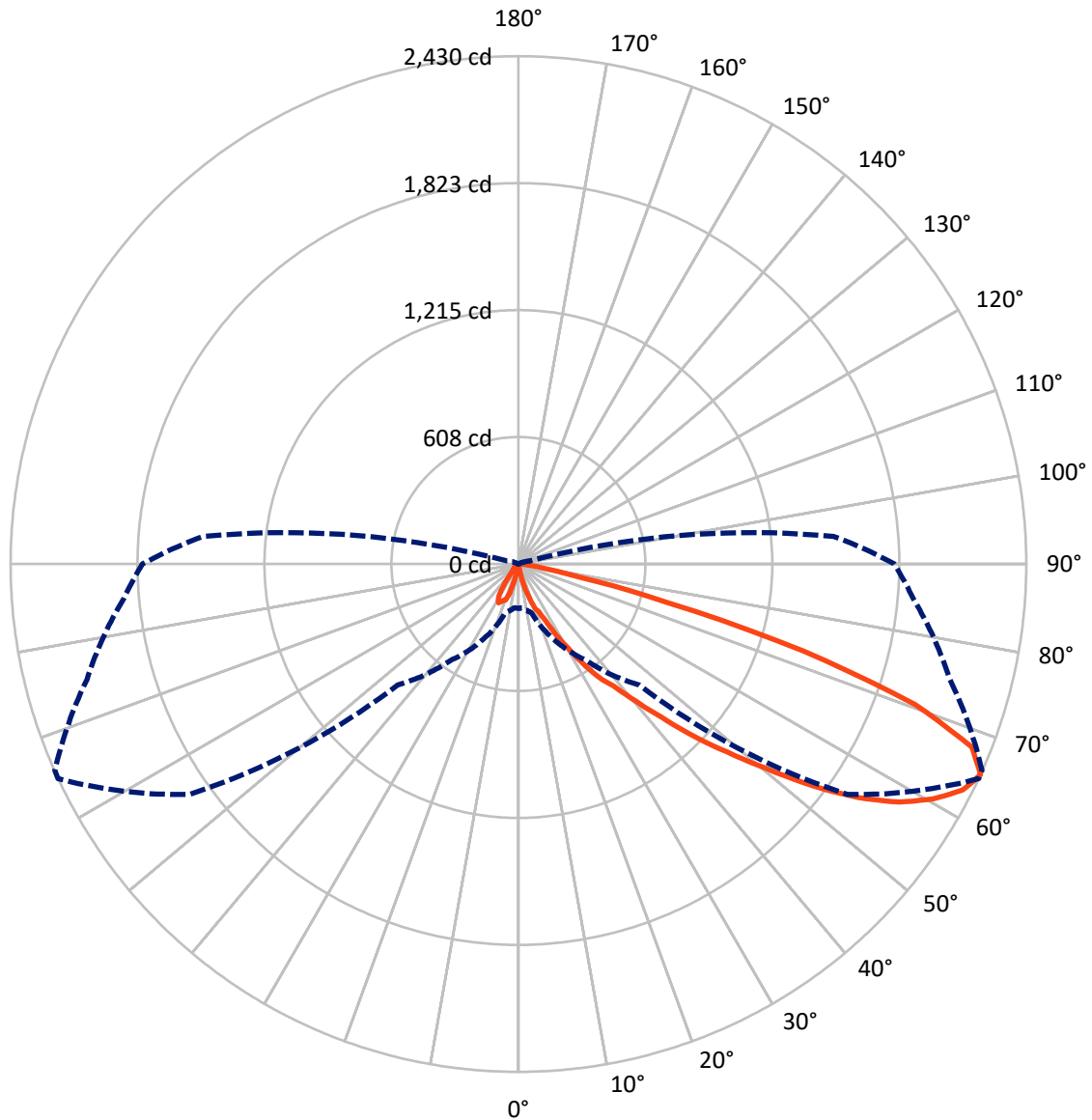
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type II - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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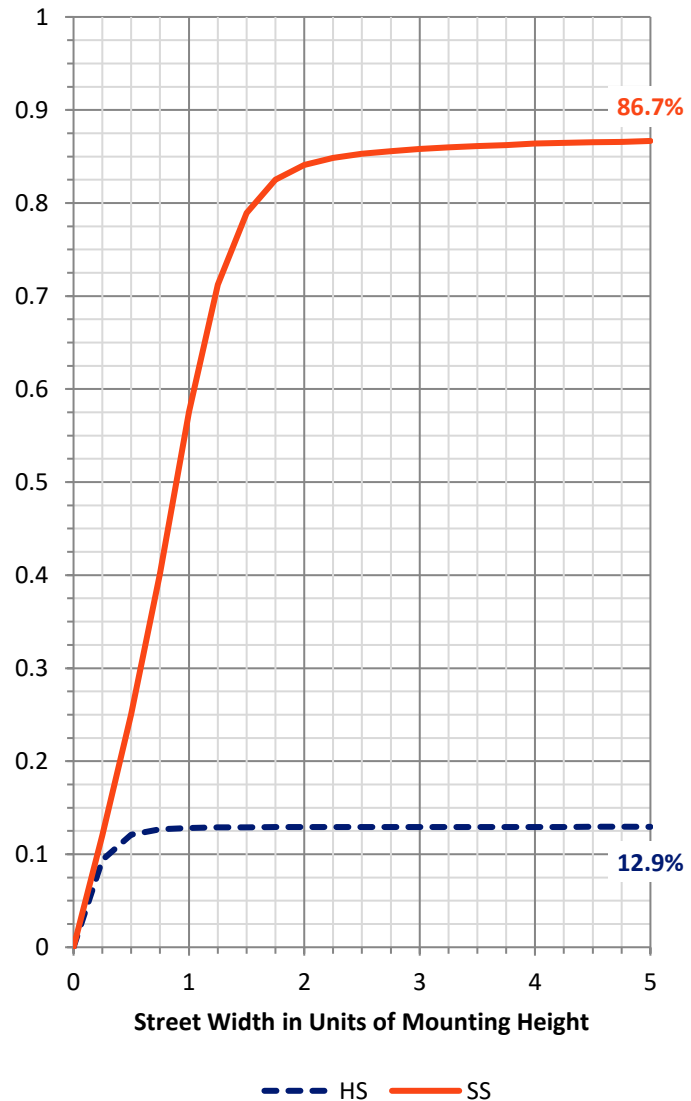
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	375.0	0.0	375.0
	% Fixture	13.1	0.0	13.1
<b>Street Side</b>	Lumens	2483.0	0.0	2483.0
	% Fixture	86.9	0.0	86.9
<b>Total</b>	Lumens	2858.0	0.0	2858.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	29.7	1.0
20°-30°	100.8	3.5
30°-40°	283.6	9.9
40°-50°	629.2	22.0
50°-60°	843.7	29.5
60°-70°	672.1	23.5
70°-80°	276.9	9.7
80°-90°	19.8	0.7
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°	2858.0	100.0
0°-180°	2858.0	100.0



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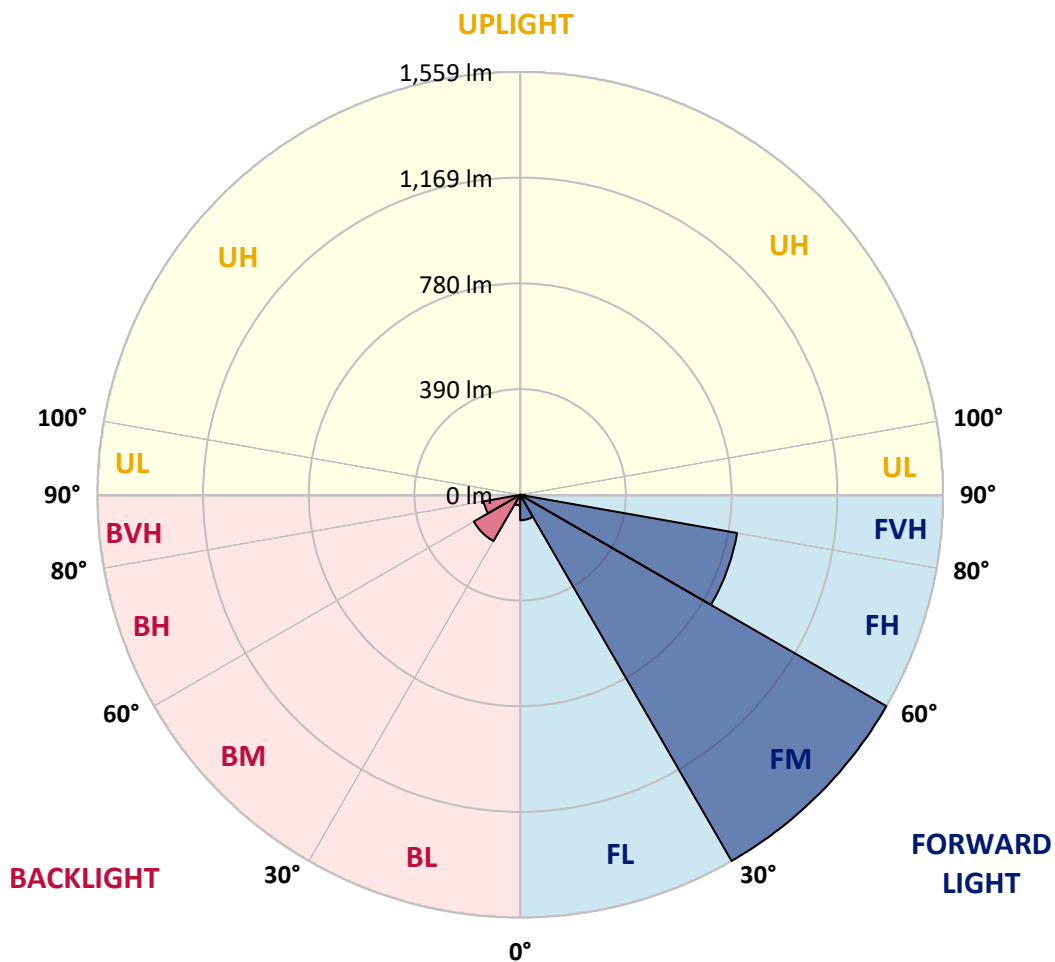
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	93.7	3.3			
FM	(30°-60°)	1559.2	54.6			
FH	(60°-80°)	812.4	28.4			G1/1800
FVH	(80°-90°)	17.6	0.6			G1/100
BL	(0°-30°)	39.0	1.4	B0/110		
BM	(30°-60°)	197.2	6.9	B0/220		
BH	(60°-80°)	136.6	4.8	B1/500		G1/500
BVH	(80°-90°)	2.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	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	1.3	1.3	1.3	1.3	0.8	0.8	0.8	0.8
5°	12.3	11.4	8.5	4.7	2.5	1.7	1.3	0.8	0.8	0.8	0.8
7.5°	85.4	85.0	85.0	85.8	86.2	30.9	3.0	1.3	1.3	0.8	0.8
10°	82.0	81.6	81.6	82.9	84.1	84.6	81.2	2.1	1.7	0.8	0.8
12.5°	153.0	150.5	96.0	84.1	82.0	82.9	83.3	71.9	33.4	51.6	63.8
15°	153.5	152.2	153.5	155.6	124.3	86.7	126.4	123.4	123.4	90.9	124.7
17.5°	155.2	153.5	154.3	157.3	152.6	179.2	169.1	175.0	175.0	129.4	137.8
20°	229.1	228.7	232.1	169.9	189.8	222.4	184.3	226.2	230.4	192.4	199.1
22.5°	233.8	233.4	238.9	238.0	232.9	238.9	269.7	247.7	249.0	290.9	263.0
25°	325.5	317.9	257.9	253.2	306.1	283.7	323.4	298.5	295.9	351.7	333.6
27.5°	372.4	369.1	372.9	361.5	324.3	347.9	350.0	384.3	367.0	402.9	410.9
30°	452.8	454.9	435.9	416.8	424.9	403.7	421.1	467.1	465.0	456.6	518.3
32.5°	722.9	700.9	663.7	516.6	484.1	468.8	517.0	569.0	547.9	579.2	640.9
35°	956.7	907.7	845.9	741.1	601.2	560.6	619.3	670.5	657.4	720.4	716.6
37.5°	1346.5	1323.7	1216.7	949.1	809.6	699.2	727.6	739.8	755.0	826.9	825.2
40°	1576.9	1550.7	1475.0	1263.2	1021.8	867.5	855.2	861.6	866.7	938.9	944.0
42.5°	1770.5	1758.7	1685.1	1482.2	1284.8	1140.2	1025.6	1000.7	1010.0	1083.1	1073.4
45°	1902.0	1888.0	1821.7	1680.0	1516.4	1442.0	1223.5	1174.8	1177.4	1218.0	1210.4
47.5°	1930.7	1914.2	1884.7	1806.0	1750.6	1690.2	1471.2	1343.1	1371.8	1374.0	1348.2
50°	1828.4	1808.1	1833.1	1814.5	1899.0	1929.5	1721.9	1539.3	1588.7	1543.5	1472.0
52.5°	1575.2	1581.5	1658.5	1714.7	1904.5	2096.9	1991.2	1764.2	1797.6	1683.4	1589.1
55°	1250.9	1266.6	1393.8	1497.0	1775.2	2143.8	2186.1	1972.6	1985.7	1832.2	1683.8
57.5°	921.2	942.3	1098.7	1213.7	1524.5	2042.8	2281.6	2149.7	2175.5	1939.6	1749.8
60°	566.9	586.4	763.5	938.5	1170.2	1752.3	2294.3	2282.5	2312.1	2015.3	1816.2
62.5°	345.4	361.9	439.2	651.9	840.9	1324.5	2188.6	2384.4	2399.1	2091.8	1863.9
65°	212.6	209.7	241.0	396.1	561.0	818.9	1921.4	2430.4	2428.7	2137.9	1896.1
67.5°	140.8	143.3	155.2	217.7	382.2	442.6	1377.8	2340.0	2331.5	2160.3	1883.4
70°	124.7	125.6	137.4	154.3	275.2	257.9	695.4	2014.4	2002.6	2099.8	1804.3
72.5°	97.7	100.6	120.1	139.9	198.7	189.0	262.1	1426.8	1442.0	1784.9	1587.9
75°	69.3	71.4	90.9	122.2	148.4	144.6	148.0	735.6	780.4	1185.0	1163.4
77.5°	43.5	45.2	58.8	90.5	126.0	106.5	103.6	288.7	323.4	579.6	582.1
80°	30.0	30.4	36.4	60.9	90.5	87.5	70.2	115.4	116.7	210.1	201.7
82.5°	17.8	17.8	24.1	37.6	55.4	71.4	45.2	57.9	60.0	77.8	44.4
85°	6.3	6.8	13.1	21.6	30.9	37.6	27.1	31.7	33.0	40.2	21.1
87.5°	0.4	0.8	4.2	6.8	8.5	7.6	8.9	9.7	11.0	13.1	7.6
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°	0.8	0.8	1.3	1.3	1.3	0.8	0.4	0.4	0.4	0.4	0.4
5°	0.8	0.8	1.3	1.3	1.3	0.8	0.4	0.4	0.4	0.4	0.4
7.5°	0.8	0.8	1.3	1.3	1.3	0.8	11.8	66.0	68.9	71.0	71.4
10°	2.5	1.7	1.3	1.3	1.3	68.5	71.0	69.3	68.1	66.8	67.2
12.5°	64.7	64.7	58.8	38.0	63.8	70.2	66.4	62.1	58.8	55.0	55.4
15°	124.3	123.4	109.1	93.9	107.4	68.9	57.1	75.7	64.7	57.1	55.8
17.5°	138.2	134.0	117.1	149.7	133.2	78.6	66.0	44.8	32.1	29.2	28.7
20°	199.1	193.6	170.8	181.4	121.8	90.9	39.7	25.4	22.8	27.5	28.3
22.5°	256.2	248.6	213.5	187.7	137.0	55.8	27.9	27.9	27.5	26.6	26.2
25°	329.3	315.8	286.2	196.6	108.6	36.8	30.4	24.9	22.4	20.7	20.7
27.5°	404.6	386.4	328.1	209.3	71.4	34.2	27.1	21.1	22.4	21.6	21.6
30°	514.5	489.6	382.2	195.7	46.5	31.7	22.8	20.7	18.2	17.3	16.9
32.5°	628.2	582.6	435.4	170.4	36.8	27.1	21.1	16.9	16.5	16.9	16.9
35°	700.9	658.2	492.9	123.9	32.1	23.7	17.3	15.6	14.4	14.0	14.0
37.5°	788.0	735.2	498.0	80.3	27.9	19.4	14.8	13.1	13.1	13.5	13.5
40°	892.4	834.5	477.7	49.5	24.1	16.1	12.7	11.8	11.4	11.4	11.4
42.5°	1009.5	936.4	449.4	37.2	20.3	13.5	10.6	10.1	9.7	9.7	9.7
45°	1134.7	1039.1	410.5	30.9	16.9	11.4	8.9	8.5	8.5	8.0	8.0
47.5°	1264.5	1149.1	351.7	27.1	14.0	9.3	7.6	7.2	6.8	6.8	6.8
50°	1375.7	1249.7	279.9	23.3	11.8	8.0	5.9	5.5	5.5	5.1	5.1
52.5°	1476.7	1335.1	221.9	19.9	9.7	6.3	4.7	4.2	4.2	3.8	3.8
55°	1554.5	1398.5	165.7	16.5	8.0	5.1	3.4	3.0	3.0	2.5	3.0
57.5°	1620.0	1437.4	125.6	13.5	6.8	3.8	2.5	2.1	1.7	1.7	1.7
60°	1682.2	1468.7	92.6	10.6	5.5	3.0	1.7	1.3	0.8	0.8	0.8
62.5°	1748.9	1496.6	73.1	8.5	4.7	2.1	0.8	0.8	0.0	0.0	0.0
65°	1799.3	1513.9	56.6	6.8	3.8	1.3	0.8	0.4	0.0	0.0	0.0
67.5°	1800.9	1491.9	44.4	5.5	3.4	1.3	0.4	0.0	0.0	0.0	0.0
70°	1736.3	1398.5	33.0	5.1	3.0	1.3	0.8	0.4	0.0	0.0	0.0
72.5°	1504.6	1097.9	23.7	4.2	2.5	1.3	0.8	0.4	0.4	0.0	0.0
75°	1088.2	648.9	16.5	3.8	2.5	1.3	1.3	0.8	0.8	0.8	0.0
77.5°	558.0	269.7	11.0	3.4	2.1	0.8	1.7	1.3	1.3	1.3	0.4
80°	163.6	93.0	6.8	3.0	2.1	0.8	1.7	1.7	1.7	1.7	0.4
82.5°	31.3	18.2	4.2	3.0	2.1	0.8	1.7	1.7	1.7	2.1	0.0
85°	12.3	7.2	3.0	2.5	2.1	0.8	1.7	1.7	2.1	2.1	0.0
87.5°	4.2	3.4	2.5	2.1	2.1	0.8	1.7	1.7	1.7	2.1	0.4
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)