

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: P415691

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T4W-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415691  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-827-U-T4W-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3584 lumens  
Efficiency: N/A  
Efficacy: 66.4 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): 54  
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

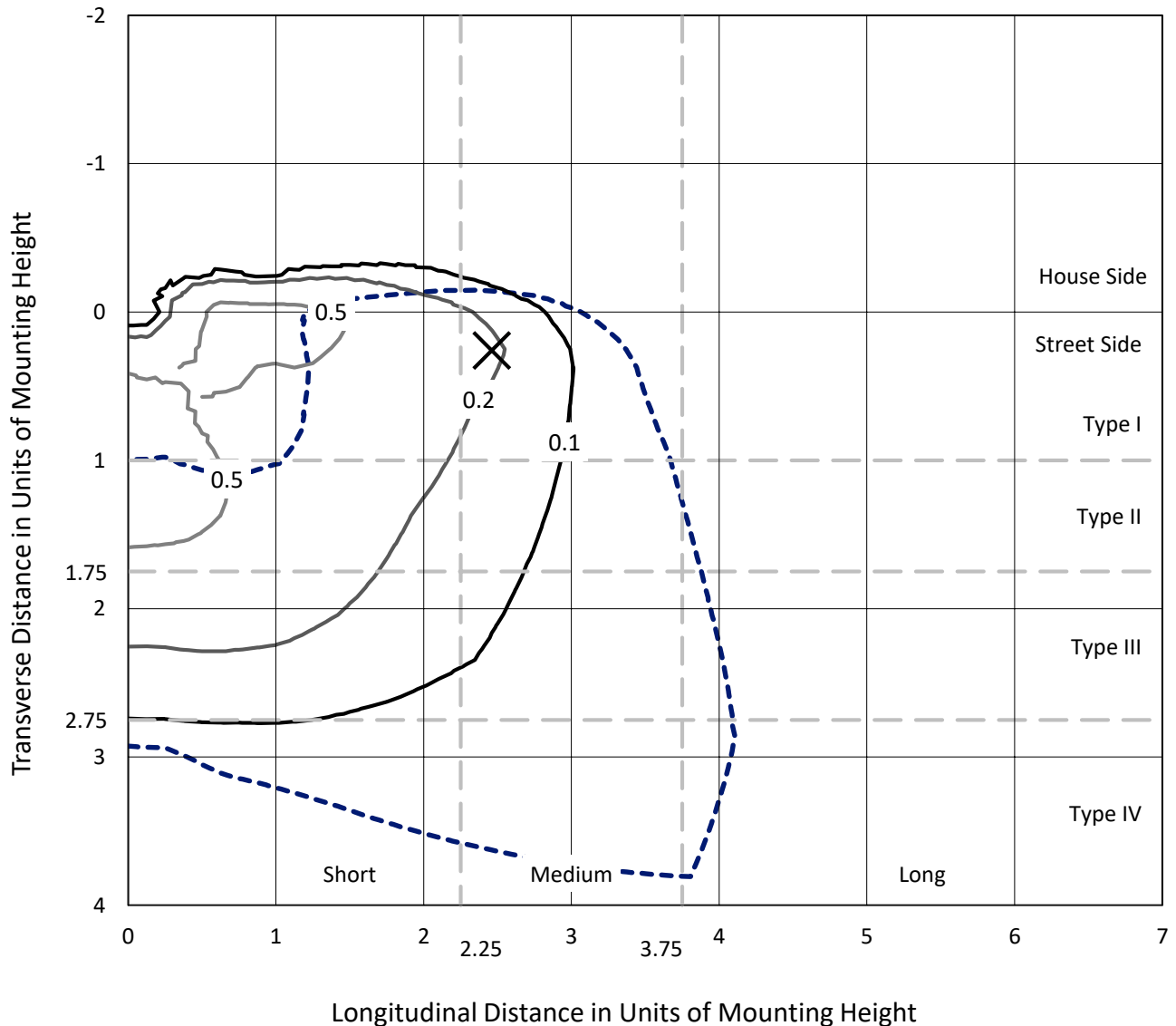


REPORT NUMBER: P415691

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

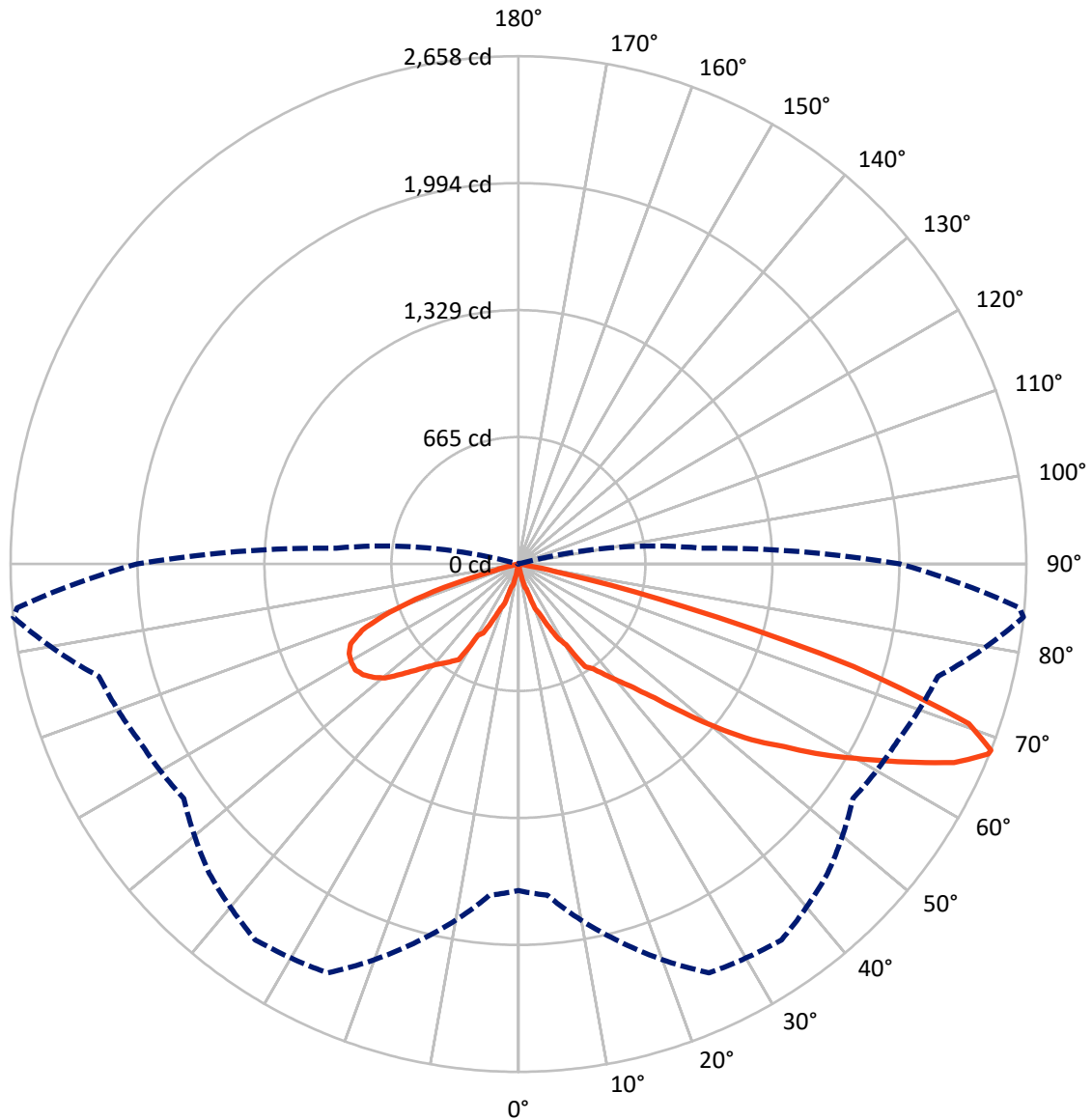
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P415691  
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral    - - - Horizontal Cone Through 68-Deg Vertical



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CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-HSS

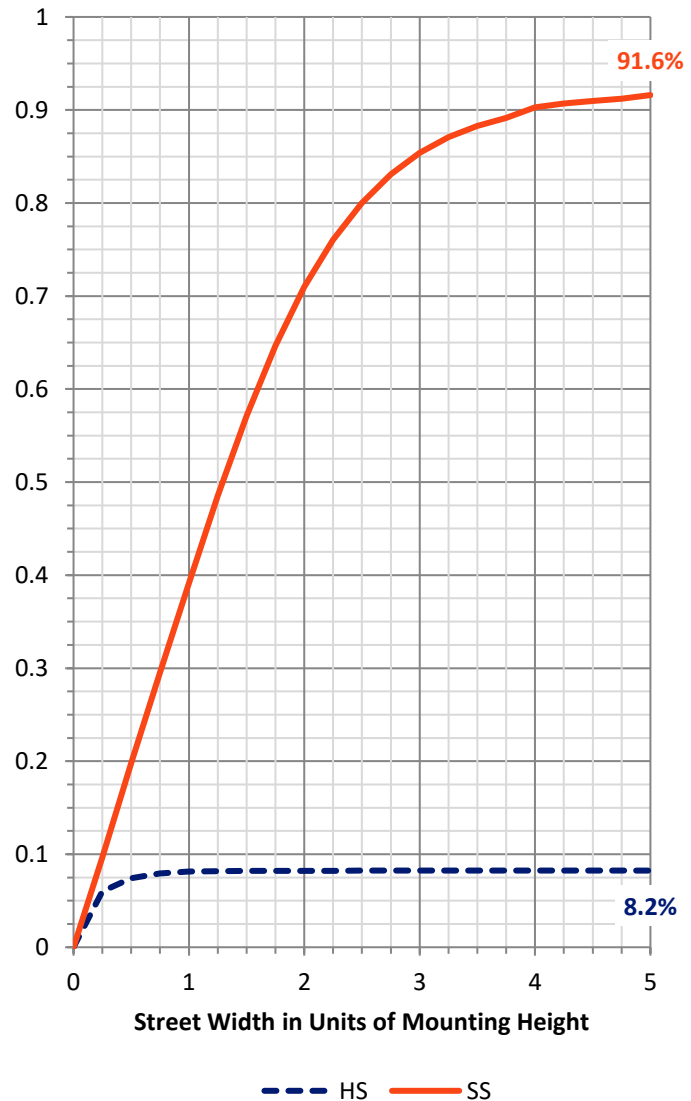
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	297.8	0.0	297.8
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	3286.2	0.0	3286.2
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	3584.0	0.0	3584.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	32.4	0.9
20°-30°	116.2	3.2
30°-40°	248.2	6.9
40°-50°	443.5	12.4
50°-60°	786.8	22.0
60°-70°	1130.8	31.6
70°-80°	761.2	21.2
80°-90°	62.6	1.7
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°	3584.0	100.0
0°-180°	3584.0	100.0



REPORT NUMBER: P415691

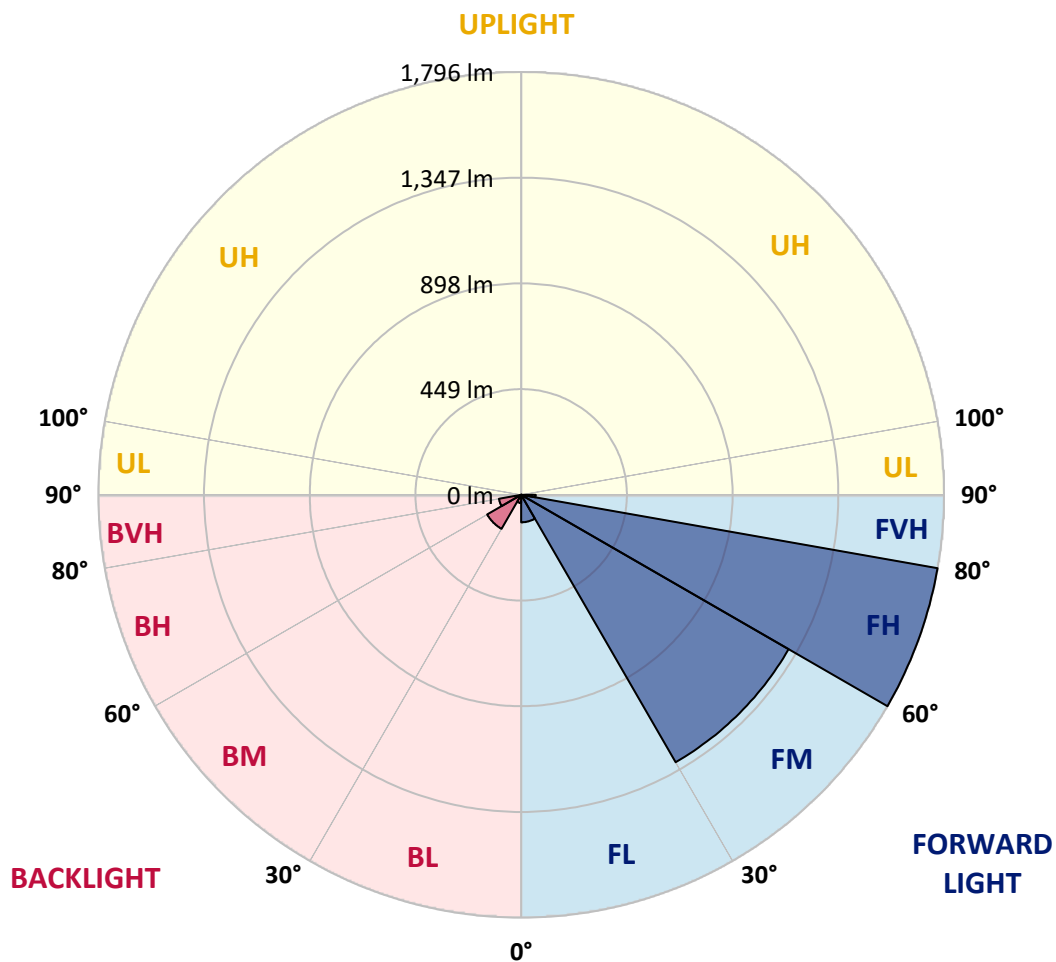
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.8	3.3			
FM	(30°-60°)	1311.6	36.6			
FH	(60°-80°)	1796.1	50.1			G1/1800
FVH	(80°-90°)	61.6	1.7			G1/100
BL	(0°-30°)	34.2	1.0	B0/110		
BM	(30°-60°)	166.9	4.7	B0/220		
BH	(60°-80°)	95.9	2.7	B0/110		G0/110
BVH	(80°-90°)	0.9	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





REPORT NUMBER: P415691

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.5	0.5	0.0	0.5	0.5	1.0	1.0	1.6	1.6	1.6	1.6
5°	27.5	23.4	22.8	20.2	14.5	3.6	1.0	1.6	1.6	1.6	1.6
7.5°	98.6	97.1	96.0	94.0	91.9	70.6	14.0	1.6	1.6	1.6	1.6
10°	105.9	103.8	102.3	99.7	96.5	92.9	88.8	11.4	1.6	1.6	1.6
12.5°	219.1	216.5	150.0	124.1	102.3	97.1	94.0	48.8	45.2	51.4	58.7
15°	230.5	228.4	222.7	215.4	193.6	109.5	147.4	183.2	119.4	127.2	127.2
17.5°	256.9	252.8	233.1	222.2	213.3	234.6	215.4	196.2	128.7	136.5	136.5
20°	359.7	358.7	353.0	246.6	224.2	296.9	234.6	209.2	237.7	248.1	236.2
22.5°	362.8	361.8	357.6	343.6	352.5	305.2	336.9	316.1	324.4	283.4	281.3
25°	481.2	477.0	382.0	349.9	397.6	325.5	400.7	348.8	342.6	354.0	354.0
27.5°	490.0	489.0	485.9	465.6	408.0	460.9	412.7	451.6	460.4	437.6	449.5
30°	558.0	523.8	505.6	493.6	480.7	483.8	481.7	519.6	479.6	489.0	483.8
32.5°	649.4	646.3	636.9	526.3	534.1	505.1	561.6	555.9	620.3	640.5	637.4
35°	776.5	726.7	666.0	608.9	554.4	600.1	580.3	646.8	662.9	672.2	691.4
37.5°	888.1	872.1	815.5	645.7	614.1	617.7	663.9	693.0	716.9	733.5	741.8
40°	990.4	978.5	940.6	754.7	646.3	670.7	708.5	724.6	771.9	802.5	803.0
42.5°	1142.0	1149.2	1113.9	853.4	733.5	744.9	777.1	779.7	821.7	883.0	885.0
45°	1331.4	1321.6	1312.8	996.6	816.5	809.2	853.9	847.7	912.5	998.7	1009.1
47.5°	1514.2	1500.1	1476.3	1161.7	931.8	881.4	943.7	948.9	1050.1	1160.1	1164.3
50°	1655.4	1650.2	1626.3	1353.8	1084.9	981.1	1043.4	1104.6	1212.1	1344.4	1353.2
52.5°	1811.1	1799.1	1757.1	1533.9	1281.6	1131.1	1162.7	1270.2	1382.8	1528.2	1527.1
55°	1914.9	1916.4	1876.5	1717.6	1460.2	1300.8	1313.3	1478.3	1538.6	1687.0	1697.9
57.5°	2053.0	2041.5	2052.4	1933.6	1702.1	1473.2	1502.2	1645.0	1699.0	1882.2	1889.5
60°	2155.7	2159.9	2213.9	2132.9	1889.5	1648.6	1673.5	1781.0	1858.8	2073.2	2096.1
62.5°	2159.4	2181.7	2327.0	2332.8	2092.4	1838.6	1822.5	1920.1	1988.6	2280.8	2308.4
65°	1961.6	1975.1	2302.6	2385.7	2280.8	2024.9	1964.2	2037.4	2116.8	2505.6	2510.8
67.5°	1763.3	1767.5	2083.6	2370.1	2394.0	2248.7	2115.3	2165.6	2242.4	2653.5	2635.4
68°	1709.3	1740.5	2045.7	2361.3	2401.3	2289.1	2138.1	2190.0	2273.1	2658.2	2632.8
70°	1549.5	1582.7	1863.5	2262.7	2397.6	2441.8	2263.2	2270.5	2292.3	2501.5	2420.0
72.5°	1041.8	1064.1	1474.7	1925.8	2319.8	2619.3	2402.8	2222.7	2056.6	1833.9	1761.8
75°	400.7	403.3	743.3	1323.7	2005.7	2530.5	2255.4	1873.9	1396.8	892.8	838.3
77.5°	149.5	146.9	215.4	613.6	1273.3	1966.3	1683.9	1148.7	581.9	234.1	228.9
80°	52.9	54.5	83.6	184.8	517.5	1148.7	937.5	467.7	171.3	51.9	47.8
82.5°	20.8	22.3	42.6	87.7	222.2	482.2	400.2	198.8	100.2	19.7	18.7
85°	4.7	5.2	16.6	43.6	84.6	139.6	140.7	121.5	83.1	9.3	8.8
87.5°	0.5	1.0	4.7	5.7	6.7	3.6	11.9	12.5	22.8	3.6	3.6
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: P415691

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.6	1.6	1.6	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
5°	1.6	1.6	1.6	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
7.5°	1.6	1.6	1.6	1.0	0.5	0.5	0.0	45.7	47.2	48.8	49.3
10°	1.6	1.6	1.6	1.0	1.0	47.8	56.1	54.0	50.4	48.8	49.3
12.5°	56.6	55.0	17.6	3.6	43.6	52.4	43.1	35.8	32.2	29.6	29.6
15°	123.5	118.9	99.1	75.8	71.1	40.5	27.5	23.4	34.3	41.5	41.5
17.5°	131.3	125.6	111.1	110.0	72.2	35.3	28.5	36.9	38.9	41.0	41.0
20°	254.3	227.9	156.8	105.4	52.9	43.1	35.8	35.3	36.9	39.5	40.0
22.5°	272.5	259.5	197.3	127.7	48.3	46.7	41.5	39.5	52.9	57.6	57.6
25°	346.2	333.8	212.3	101.7	58.7	47.8	52.4	49.3	50.4	54.5	54.5
27.5°	442.8	419.9	278.7	85.6	54.5	51.9	53.5	49.3	58.1	69.0	69.0
30°	490.5	444.9	266.8	75.8	55.5	56.6	51.4	60.2	60.2	64.4	64.9
32.5°	654.6	622.9	300.5	63.8	55.5	51.9	56.1	57.1	56.1	72.7	73.2
35°	696.6	658.7	257.5	66.4	52.9	50.4	50.4	56.6	60.2	63.8	64.4
37.5°	748.0	698.7	202.4	62.3	55.0	48.8	46.2	48.3	52.9	62.3	62.8
40°	813.4	742.3	155.7	58.7	51.4	44.6	42.0	44.1	44.1	46.7	47.2
42.5°	901.6	794.2	115.2	56.1	48.3	41.0	36.9	34.3	32.7	32.2	32.7
45°	1022.6	860.6	86.2	53.5	46.2	36.3	30.6	24.9	20.8	20.8	21.3
47.5°	1166.4	934.9	70.1	49.3	43.1	31.1	23.4	16.1	13.0	13.5	14.0
50°	1319.5	1013.2	61.3	45.7	39.5	25.4	15.6	9.9	8.3	8.8	9.3
52.5°	1461.2	1064.1	57.6	42.0	34.8	19.7	9.9	6.7	6.2	6.2	6.7
55°	1603.4	1102.5	54.5	38.4	28.0	13.0	5.7	5.2	5.2	4.7	4.7
57.5°	1735.8	1125.4	49.3	33.2	19.7	7.8	4.2	4.2	3.6	3.6	3.6
60°	1857.3	1122.8	39.5	24.9	12.5	4.7	3.1	3.1	2.6	2.6	2.6
62.5°	1981.3	1111.4	28.0	17.6	8.3	3.1	2.1	2.1	1.6	1.0	1.6
65°	2056.1	1079.2	18.7	12.5	5.2	2.1	1.6	1.0	0.5	0.0	0.5
67.5°	2024.9	985.7	14.0	9.3	3.6	1.6	1.0	0.5	0.0	0.0	0.0
68°	1996.4	956.1	13.0	8.8	3.1	1.6	1.0	0.5	0.0	0.0	0.0
70°	1771.6	796.8	11.4	7.3	2.6	1.6	1.0	0.5	0.0	0.0	0.0
72.5°	1181.9	517.5	9.3	5.7	2.1	1.0	1.0	0.5	0.0	0.0	0.0
75°	545.0	166.1	7.3	4.7	1.6	1.0	1.0	0.5	0.0	0.0	0.0
77.5°	145.3	35.3	4.7	3.1	1.6	1.0	1.0	0.5	0.5	0.5	0.0
80°	34.8	10.9	3.1	2.6	1.6	1.0	1.0	0.5	0.5	0.5	0.0
82.5°	13.0	5.7	2.1	2.1	1.6	1.0	1.0	0.5	1.0	1.0	0.0
85°	5.7	3.6	2.1	2.1	1.6	1.0	1.0	1.0	1.0	1.6	0.0
87.5°	2.6	2.6	2.1	2.1	2.1	1.0	1.6	1.6	1.6	1.6	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)