

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: P415015

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T4W-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415015  
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-PA1-40-727-U-T4W-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA 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: 3162 lumens  
Efficiency: N/A  
Efficacy: 79.1 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

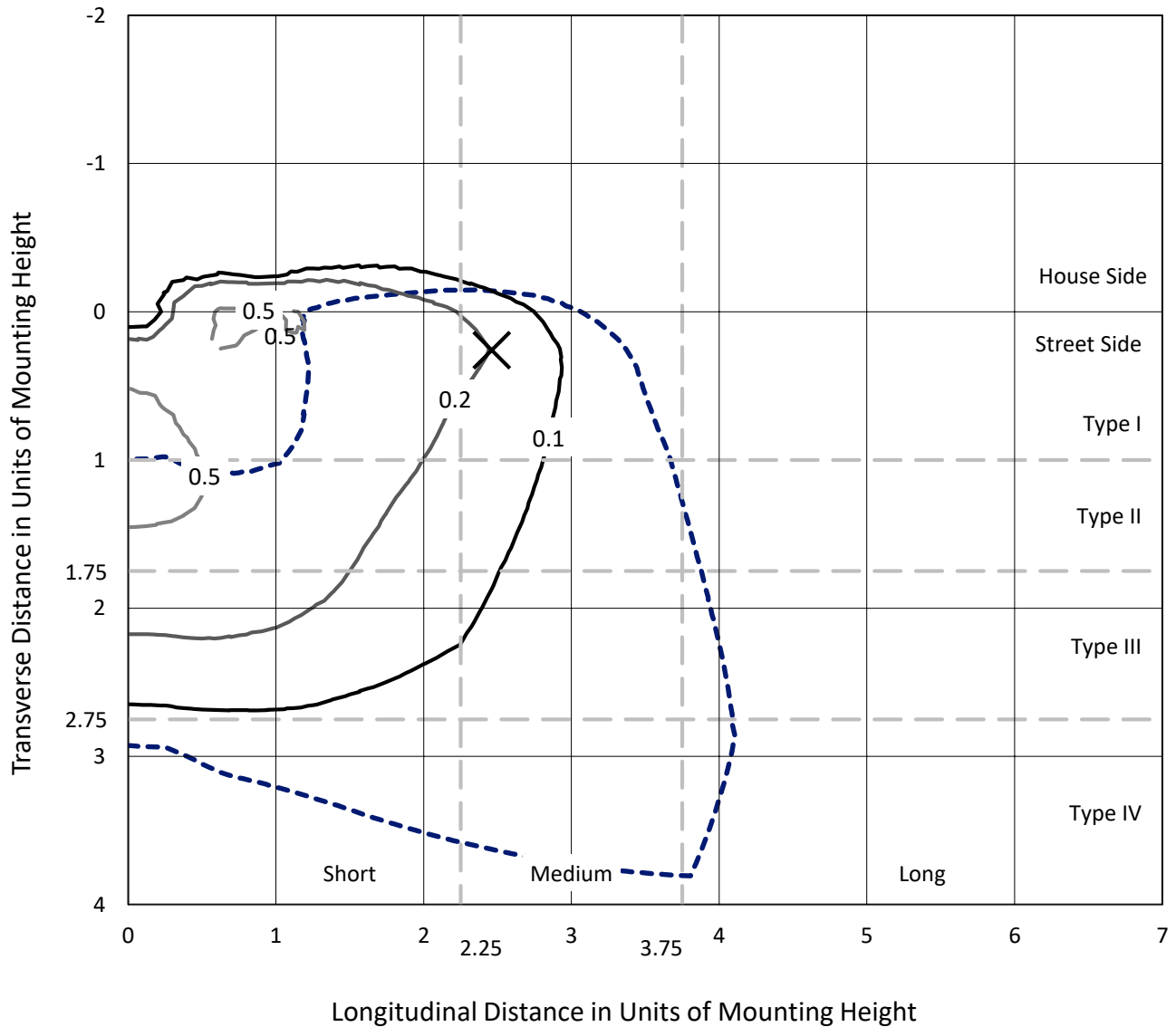
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

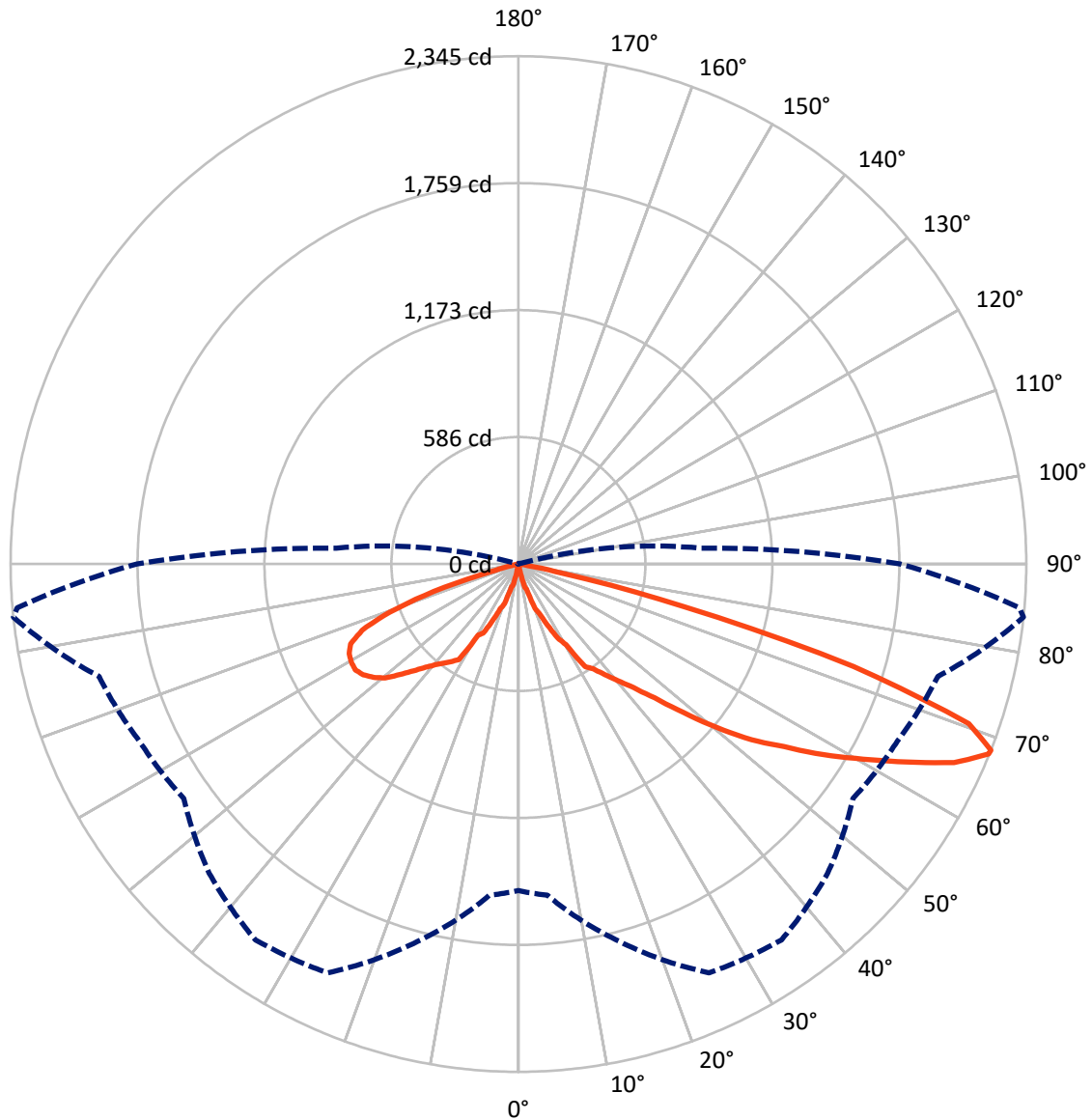
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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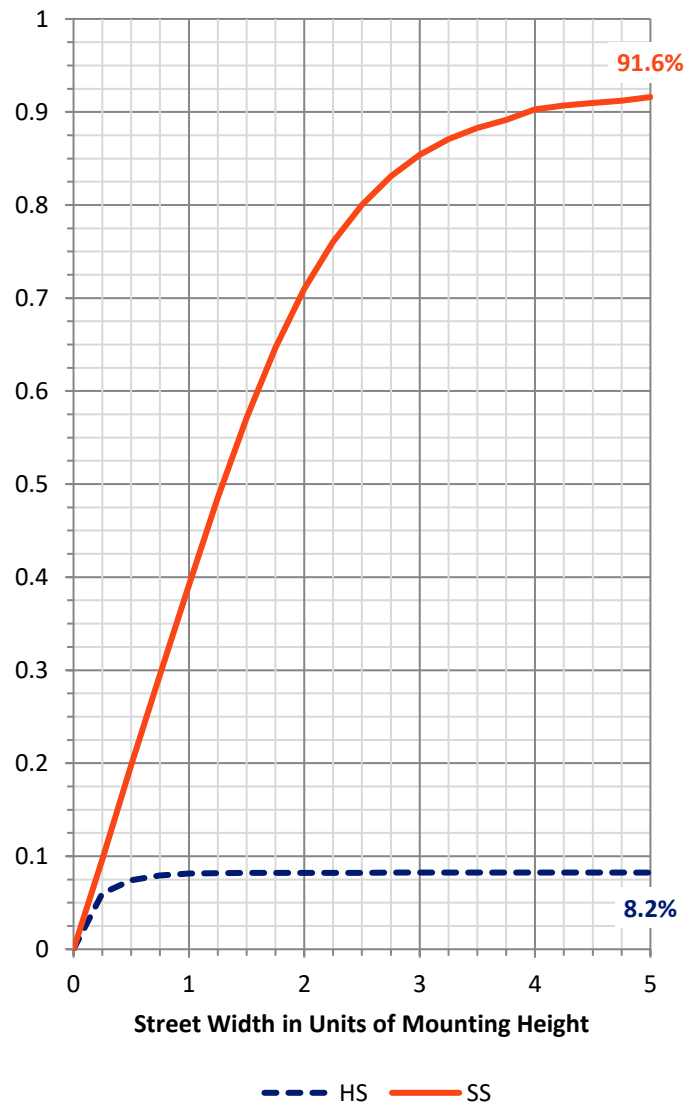
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	262.8	0.0	262.8
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	2899.2	0.0	2899.2
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	3162.0	0.0	3162.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	28.6	0.9
20°-30°	102.5	3.2
30°-40°	218.9	6.9
40°-50°	391.3	12.4
50°-60°	694.2	22.0
60°-70°	997.6	31.6
70°-80°	671.6	21.2
80°-90°	55.2	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°	3162.0	100.0
0°-180°	3162.0	100.0



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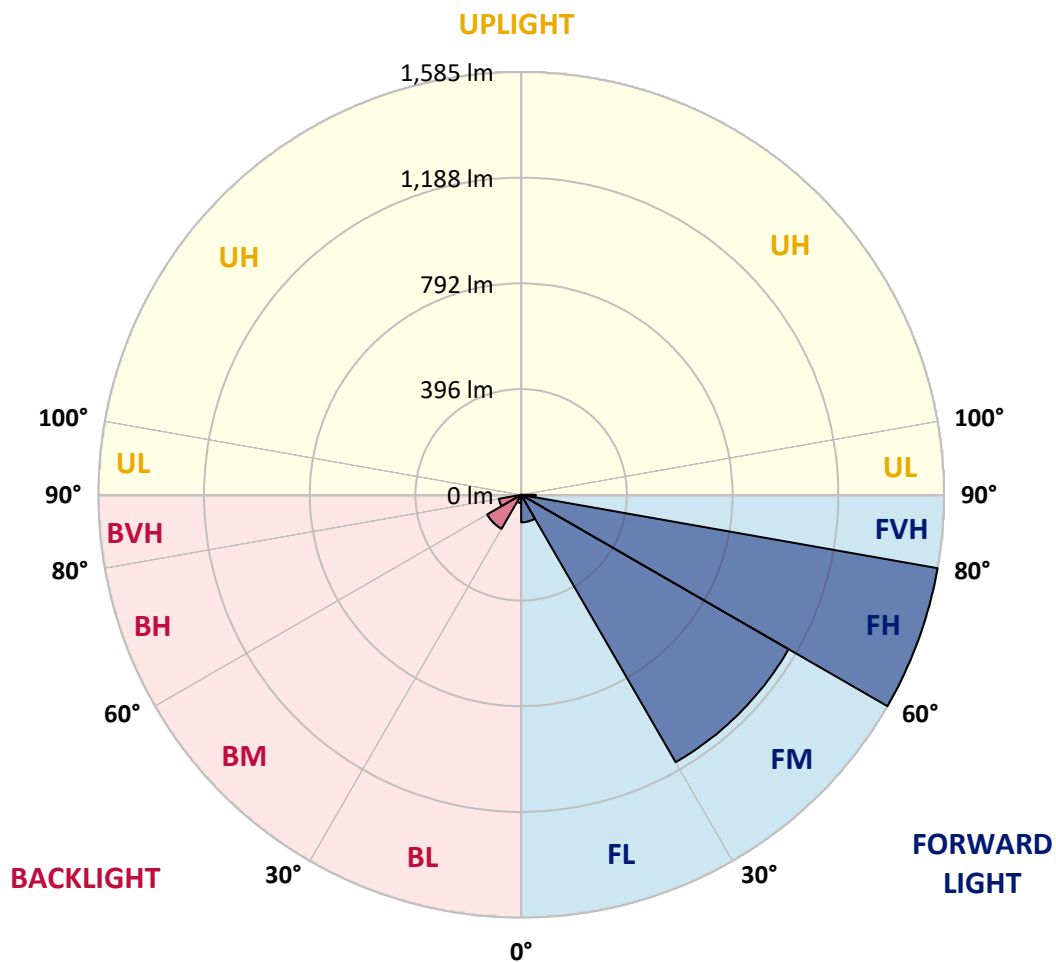
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	103.1	3.3			
FM	(30°-60°)	1157.2	36.6			
FH	(60°-80°)	1584.6	50.1			G1/1800
FVH	(80°-90°)	54.4	1.7			G1/100
BL	(0°-30°)	30.1	1.0	B0/110		
BM	(30°-60°)	147.2	4.7	B0/220		
BH	(60°-80°)	84.6	2.7	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	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	0.9	0.9	1.4	1.4	1.4	1.4
5°	24.3	20.6	20.2	17.9	12.8	3.2	0.9	1.4	1.4	1.4	1.4
7.5°	87.0	85.6	84.7	82.9	81.1	62.3	12.4	1.4	1.4	1.4	1.4
10°	93.4	91.6	90.2	87.9	85.2	82.0	78.3	10.1	1.4	1.4	1.4
12.5°	193.3	191.0	132.4	109.5	90.2	85.6	82.9	43.0	39.8	45.3	51.7
15°	203.3	201.5	196.5	190.1	170.8	96.6	130.1	161.7	105.3	112.2	112.2
17.5°	226.7	223.0	205.6	196.0	188.2	207.0	190.1	173.1	113.6	120.4	120.4
20°	317.4	316.5	311.4	217.5	197.8	262.0	207.0	184.6	209.7	218.9	208.4
22.5°	320.1	319.2	315.5	303.2	311.0	269.3	297.2	278.9	286.2	250.0	248.2
25°	424.5	420.9	337.1	308.7	350.8	287.1	353.5	307.8	302.3	312.3	312.3
27.5°	432.3	431.4	428.7	410.8	360.0	406.7	364.1	398.4	406.2	386.1	396.6
30°	492.3	462.1	446.1	435.5	424.1	426.8	425.0	458.4	423.2	431.4	426.8
32.5°	572.9	570.2	561.9	464.4	471.2	445.6	495.5	490.5	547.3	565.1	562.4
35°	685.1	641.1	587.6	537.2	489.1	529.4	512.0	570.6	584.8	593.1	610.0
37.5°	783.6	769.4	719.5	569.7	541.8	545.0	585.7	611.4	632.4	647.1	654.4
40°	873.8	863.3	829.8	665.9	570.2	591.7	625.1	639.3	681.0	708.0	708.5
42.5°	1007.5	1013.9	982.8	752.9	647.1	657.2	685.6	687.9	725.0	779.0	780.8
45°	1174.7	1166.0	1158.2	879.3	720.4	714.0	753.3	747.9	805.1	881.1	890.3
47.5°	1335.9	1323.5	1302.4	1024.9	822.0	777.6	832.6	837.2	926.5	1023.5	1027.2
50°	1460.4	1455.9	1434.8	1194.4	957.1	865.5	920.5	974.5	1069.3	1186.1	1193.9
52.5°	1597.8	1587.3	1550.2	1353.3	1130.7	997.9	1025.8	1120.6	1220.0	1348.2	1347.3
55°	1689.4	1690.8	1655.5	1515.4	1288.2	1147.7	1158.6	1304.3	1357.4	1488.4	1498.0
57.5°	1811.2	1801.2	1810.8	1705.9	1501.7	1299.7	1325.3	1451.3	1498.9	1660.6	1667.0
60°	1901.9	1905.6	1953.2	1881.8	1667.0	1454.5	1476.5	1571.3	1640.0	1829.1	1849.3
62.5°	1905.1	1924.8	2053.0	2058.1	1846.0	1622.1	1607.9	1694.0	1754.5	2012.3	2036.6
65°	1730.6	1742.5	2031.5	2104.8	2012.3	1786.5	1732.9	1797.5	1867.6	2210.6	2215.2
67.5°	1555.7	1559.4	1838.3	2091.1	2112.1	1983.9	1866.2	1910.6	1978.4	2341.1	2325.1
68°	1508.1	1535.5	1804.8	2083.3	2118.5	2019.6	1886.3	1932.1	2005.4	2345.2	2322.8
70°	1367.0	1396.3	1644.1	1996.3	2115.3	2154.3	1996.7	2003.1	2022.4	2206.9	2135.0
72.5°	919.1	938.8	1301.1	1699.0	2046.6	2310.9	2119.9	1961.0	1814.4	1618.0	1554.3
75°	353.5	355.8	655.8	1167.8	1769.6	2232.6	1989.8	1653.2	1232.4	787.7	739.6
77.5°	131.9	129.6	190.1	541.3	1123.4	1734.8	1485.6	1013.5	513.4	206.5	202.0
80°	46.7	48.1	73.7	163.0	456.6	1013.5	827.1	412.6	151.1	45.8	42.1
82.5°	18.3	19.7	37.6	77.4	196.0	425.4	353.1	175.4	88.4	17.4	16.5
85°	4.1	4.6	14.7	38.5	74.6	123.2	124.1	107.2	73.3	8.2	7.8
87.5°	0.5	0.9	4.1	5.0	6.0	3.2	10.5	11.0	20.2	3.2	3.2
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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	1.4	1.4	1.4	0.9	0.9	0.5	0.0	0.0	0.0	0.0	0.0
5°	1.4	1.4	1.4	0.9	0.9	0.5	0.0	0.0	0.0	0.0	0.0
7.5°	1.4	1.4	1.4	0.9	0.5	0.5	0.0	40.3	41.7	43.0	43.5
10°	1.4	1.4	1.4	0.9	0.9	42.1	49.5	47.6	44.4	43.0	43.5
12.5°	49.9	48.5	15.6	3.2	38.5	46.3	38.0	31.6	28.4	26.1	26.1
15°	109.0	104.9	87.5	66.9	62.7	35.7	24.3	20.6	30.2	36.6	36.6
17.5°	115.9	110.8	98.0	97.1	63.7	31.1	25.2	32.5	34.3	36.2	36.2
20°	224.4	201.0	138.3	93.0	46.7	38.0	31.6	31.1	32.5	34.8	35.3
22.5°	240.4	229.0	174.0	112.7	42.6	41.2	36.6	34.8	46.7	50.8	50.8
25°	305.5	294.5	187.3	89.8	51.7	42.1	46.3	43.5	44.4	48.1	48.1
27.5°	390.6	370.5	245.9	75.6	48.1	45.8	47.2	43.5	51.3	60.9	60.9
30°	432.8	392.5	235.4	66.9	49.0	49.9	45.3	53.1	53.1	56.8	57.2
32.5°	577.5	549.6	265.2	56.3	49.0	45.8	49.5	50.4	49.5	64.1	64.6
35°	614.6	581.2	227.1	58.6	46.7	44.4	44.4	49.9	53.1	56.3	56.8
37.5°	659.9	616.4	178.6	55.0	48.5	43.0	40.8	42.6	46.7	55.0	55.4
40°	717.6	654.9	137.4	51.7	45.3	39.4	37.1	38.9	38.9	41.2	41.7
42.5°	795.5	700.7	101.7	49.5	42.6	36.2	32.5	30.2	28.9	28.4	28.9
45°	902.2	759.3	76.0	47.2	40.8	32.1	27.0	22.0	18.3	18.3	18.8
47.5°	1029.0	824.8	61.8	43.5	38.0	27.5	20.6	14.2	11.4	11.9	12.4
50°	1164.1	893.9	54.0	40.3	34.8	22.4	13.7	8.7	7.3	7.8	8.2
52.5°	1289.2	938.8	50.8	37.1	30.7	17.4	8.7	6.0	5.5	5.5	6.0
55°	1414.6	972.7	48.1	33.9	24.7	11.4	5.0	4.6	4.6	4.1	4.1
57.5°	1531.4	992.9	43.5	29.3	17.4	6.9	3.7	3.7	3.2	3.2	3.2
60°	1638.6	990.6	34.8	22.0	11.0	4.1	2.7	2.7	2.3	2.3	2.3
62.5°	1748.0	980.5	24.7	15.6	7.3	2.7	1.8	1.8	1.4	0.9	1.4
65°	1814.0	952.1	16.5	11.0	4.6	1.8	1.4	0.9	0.5	0.0	0.5
67.5°	1786.5	869.7	12.4	8.2	3.2	1.4	0.9	0.5	0.0	0.0	0.0
68°	1761.3	843.6	11.4	7.8	2.7	1.4	0.9	0.5	0.0	0.0	0.0
70°	1563.0	703.0	10.1	6.4	2.3	1.4	0.9	0.5	0.0	0.0	0.0
72.5°	1042.8	456.6	8.2	5.0	1.8	0.9	0.9	0.5	0.0	0.0	0.0
75°	480.9	146.5	6.4	4.1	1.4	0.9	0.9	0.5	0.0	0.0	0.0
77.5°	128.2	31.1	4.1	2.7	1.4	0.9	0.9	0.5	0.5	0.5	0.0
80°	30.7	9.6	2.7	2.3	1.4	0.9	0.9	0.5	0.5	0.5	0.0
82.5°	11.4	5.0	1.8	1.8	1.4	0.9	0.9	0.5	0.9	0.9	0.0
85°	5.0	3.2	1.8	1.8	1.4	0.9	0.9	0.9	0.9	1.4	0.0
87.5°	2.3	2.3	1.8	1.8	1.8	0.9	1.4	1.4	1.4	1.4	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)