

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: P415031

Luminaire Tested: **LXF.LXT-PA1-40-730-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415031  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-730-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3841 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G1

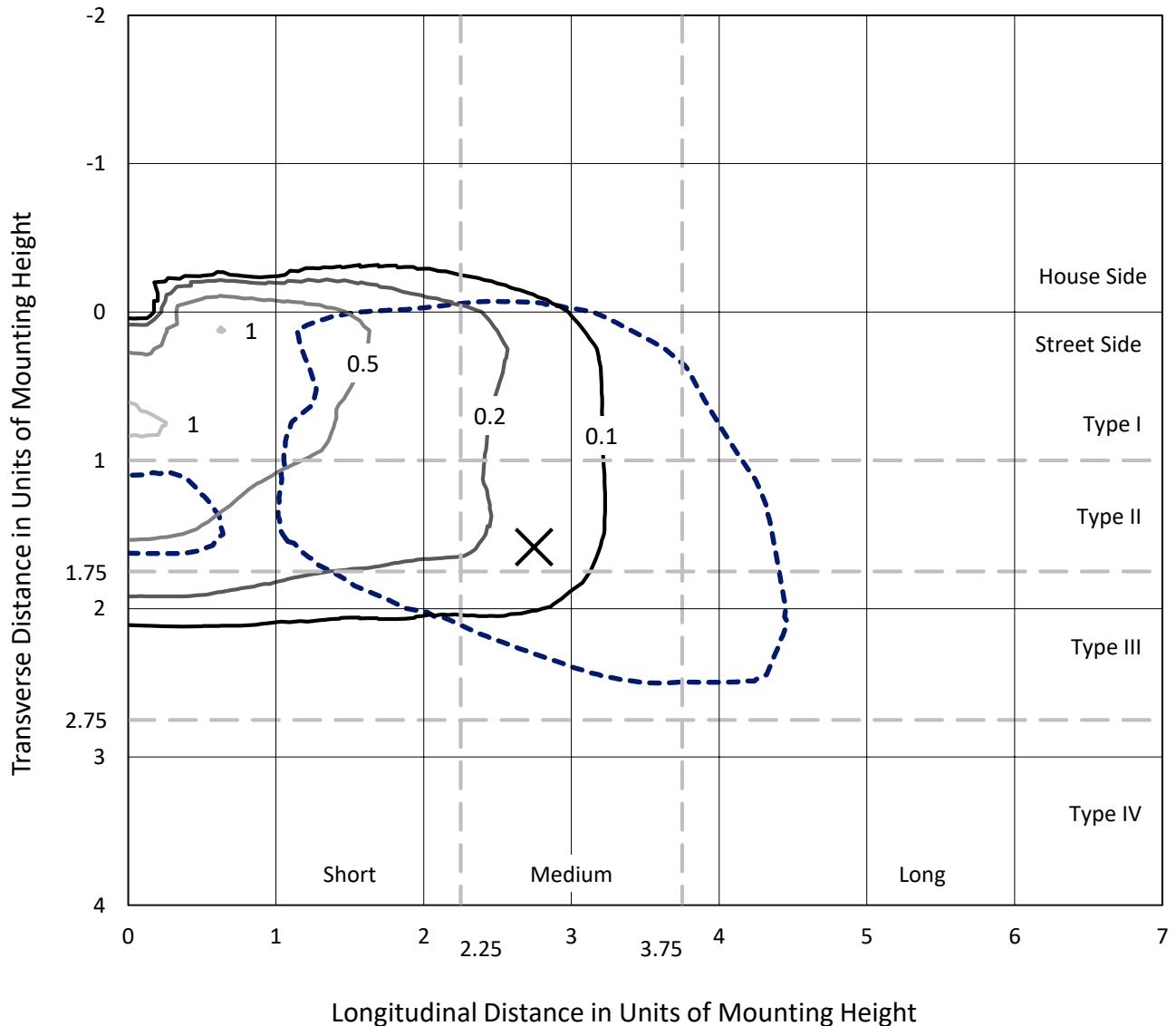
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

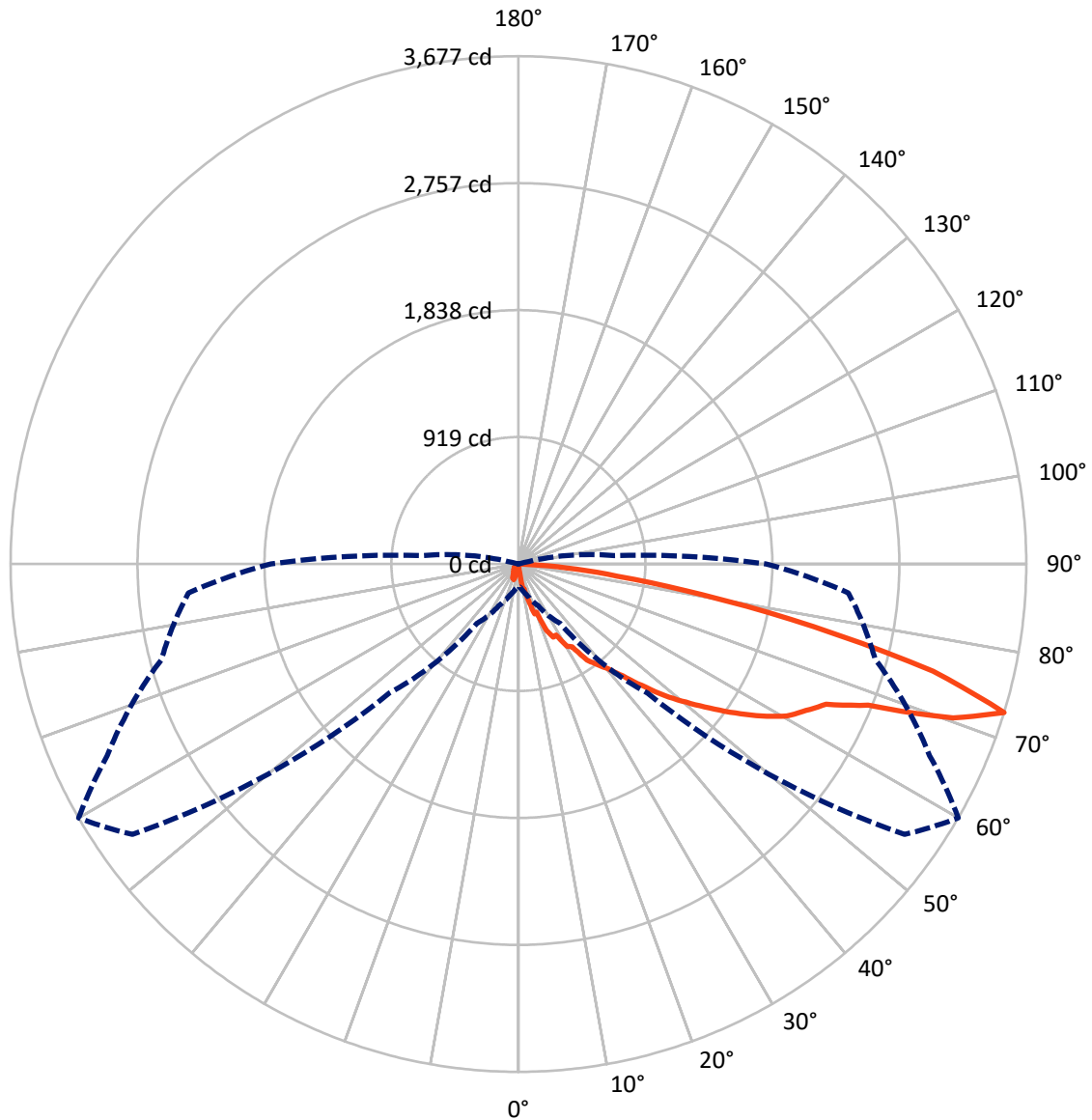
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical



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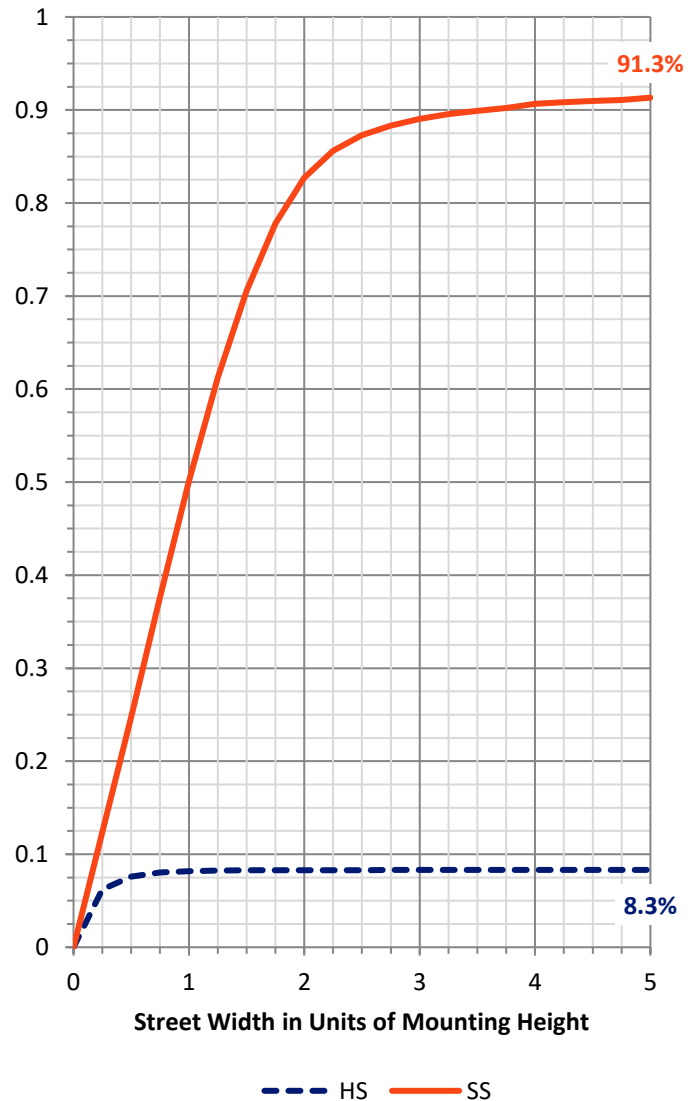
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	322.2	0.0	322.2
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	3518.8	0.0	3518.8
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	3841.0	0.0	3841.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.2	0.1
10°-20°	53.5	1.4
20°-30°	167.3	4.4
30°-40°	360.7	9.4
40°-50°	613.2	16.0
50°-60°	906.6	23.6
60°-70°	986.2	25.7
70°-80°	672.1	17.5
80°-90°	76.2	2.0
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°	3841.0	100.0
0°-180°	3841.0	100.0

**Coefficient of Utilization**



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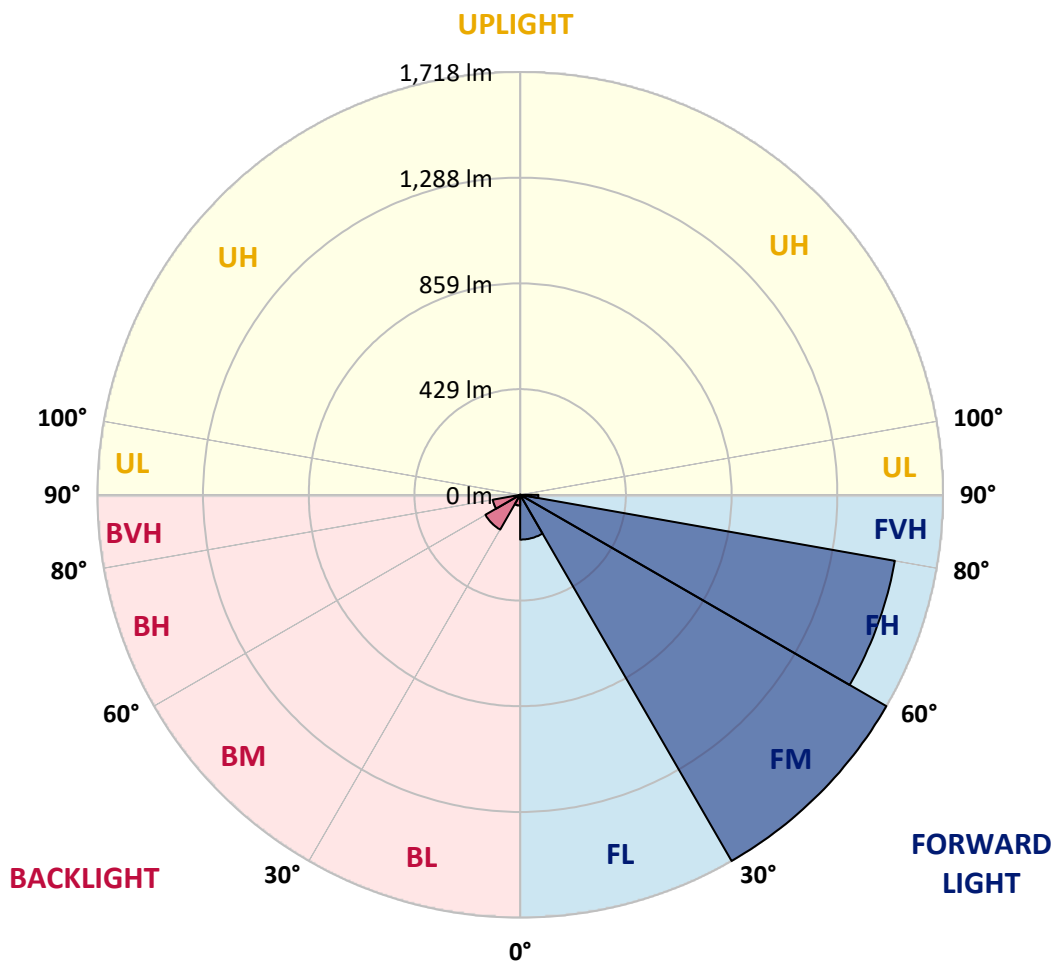
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.9	4.7			
FM	(30°-60°)	1717.6	44.7			
FH	(60°-80°)	1545.4	40.2			G1/1800
FVH	(80°-90°)	73.9	1.9			G1/100
BL	(0°-30°)	44.0	1.1	B0/110		
BM	(30°-60°)	162.9	4.2	B0/220		
BH	(60°-80°)	112.9	2.9	B1/500		G1/500
BVH	(80°-90°)	2.3	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	3.5	2.5	2.5	2.0	1.5	1.5	1.5	2.0	2.0	1.5	2.0
5°	196.5	194.0	194.0	195.0	126.7	21.4	12.0	5.0	2.0	2.0	2.0
7.5°	186.5	184.5	185.5	188.0	189.5	192.0	192.0	58.8	18.9	2.0	2.0
10°	191.0	189.5	181.5	180.0	183.0	185.5	186.5	191.0	185.5	5.5	2.0
12.5°	336.1	333.6	333.6	338.1	196.5	179.5	181.5	186.0	160.6	20.9	11.5
15°	321.6	319.6	320.1	325.6	333.1	236.4	186.5	276.3	354.5	320.1	254.3
17.5°	448.8	386.5	334.1	318.1	319.6	330.1	361.5	380.0	360.5	364.5	277.3
20°	458.3	454.8	452.8	456.3	327.1	435.3	459.8	373.0	363.0	390.4	511.6
22.5°	474.2	466.2	450.3	448.3	503.6	428.8	445.3	521.6	535.6	572.0	532.6
25°	642.3	636.3	619.8	471.7	516.6	492.7	561.5	586.9	578.4	602.4	577.4
27.5°	705.6	694.1	658.7	612.4	548.5	580.9	568.0	581.9	638.8	829.8	814.3
30°	988.8	958.4	860.7	705.1	652.2	604.9	660.7	690.1	738.0	849.2	834.8
32.5°	1074.6	1042.2	971.4	897.6	772.9	685.7	727.0	714.1	748.5	1036.2	1096.0
35°	1324.4	1309.5	1181.8	976.9	945.0	808.8	763.4	852.7	903.6	1050.7	1151.9
37.5°	1327.4	1328.4	1320.9	1182.3	1036.2	909.1	917.5	921.0	960.4	1119.5	1216.7
40°	1369.8	1376.8	1395.2	1290.5	1167.4	1054.2	1031.7	996.8	1031.7	1196.8	1305.5
42.5°	1458.6	1463.6	1504.4	1395.2	1271.1	1167.4	1178.8	1107.5	1132.9	1342.9	1426.2
45°	1614.7	1611.7	1663.0	1505.4	1367.8	1296.5	1309.5	1254.6	1239.2	1462.6	1567.8
47.5°	1791.2	1802.1	1800.2	1627.1	1464.1	1416.7	1454.1	1424.7	1363.8	1615.2	1732.8
50°	1958.2	1954.7	1902.9	1695.9	1549.8	1534.4	1620.6	1572.3	1516.9	1770.2	1891.9
52.5°	2019.1	2022.1	1960.2	1737.3	1623.1	1651.1	1780.2	1731.3	1659.5	1880.9	2050.0
55°	2008.1	2012.1	1977.2	1779.7	1678.0	1760.3	1945.8	1903.9	1823.1	2001.1	2168.7
57.5°	1905.4	1905.4	1933.8	1806.1	1731.3	1858.0	2093.4	2076.4	1976.7	2100.8	2239.5
60°	1643.1	1671.0	1760.3	1774.2	1794.2	1963.7	2239.5	2234.0	2112.8	2194.1	2281.4
62.5°	1263.6	1272.6	1470.0	1619.6	1799.2	2105.8	2362.6	2336.2	2213.5	2222.5	2310.8
65°	716.6	757.5	940.0	1318.0	1696.9	2254.4	2560.6	2447.4	2301.8	2256.4	2419.0
67.5°	386.0	400.9	502.6	797.9	1390.8	2270.9	3009.4	2729.7	2511.2	2434.9	2630.9
70°	249.3	265.3	320.1	438.3	872.2	2008.1	3431.8	3337.5	2943.6	2679.3	2663.3
72.5°	162.1	171.5	230.9	330.1	524.6	1322.9	3412.3	3676.6	3285.2	2674.8	2397.5
75°	65.8	72.3	115.7	274.8	443.3	648.3	2618.0	3100.2	3084.2	2377.1	1855.5
77.5°	32.9	34.9	51.4	148.6	393.4	448.8	1656.5	2186.6	2195.6	1732.8	1031.7
80°	21.4	20.9	29.4	69.8	268.3	408.4	926.5	1343.4	1256.1	657.2	289.2
82.5°	8.5	9.0	16.0	39.9	112.2	369.5	528.6	723.1	565.5	128.2	83.3
85°	1.5	1.5	5.0	21.4	35.4	169.0	341.1	350.1	232.4	40.4	41.9
87.5°	0.5	0.5	1.0	1.5	2.5	4.0	15.0	7.0	4.5	7.0	8.0
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.0	2.0	2.0	1.5	1.5	1.0	0.0	0.0	0.5	0.5	0.5
5°	2.0	2.0	2.0	1.5	1.5	0.5	0.0	0.0	0.5	0.5	0.5
7.5°	2.0	2.0	2.0	1.5	1.0	0.5	0.0	0.0	0.5	0.5	0.5
10°	2.0	2.0	2.0	1.5	1.0	0.5	14.5	92.3	95.2	95.7	94.7
12.5°	12.5	13.0	7.0	1.5	1.0	85.8	85.3	71.3	62.3	58.8	54.4
15°	270.8	257.3	212.9	125.7	69.3	70.3	51.9	38.4	30.9	28.9	27.9
17.5°	268.3	248.8	196.0	114.7	120.7	52.9	27.9	30.9	40.4	40.9	40.9
20°	504.1	442.3	191.5	128.2	81.3	45.9	36.4	38.4	38.4	38.9	38.4
22.5°	525.6	463.8	286.7	163.6	58.3	48.4	41.4	35.9	36.9	47.9	46.4
25°	530.1	454.8	265.8	128.2	56.3	48.4	45.4	43.9	49.4	49.4	49.9
27.5°	763.9	639.3	322.1	96.2	55.8	50.4	50.4	45.9	44.4	43.9	44.4
30°	762.4	617.3	274.8	81.3	53.9	49.9	45.4	40.9	49.4	49.9	49.9
32.5°	1000.8	789.4	265.8	65.8	53.9	45.9	39.9	42.4	39.4	39.4	39.4
35°	1014.8	769.4	209.4	68.3	47.9	41.9	38.9	32.9	34.9	35.4	34.4
37.5°	1041.7	755.5	159.1	61.8	47.9	38.9	31.9	29.4	27.4	26.9	26.9
40°	1090.1	756.5	122.7	56.8	44.9	35.4	28.4	23.9	24.9	24.9	24.4
42.5°	1162.4	770.9	96.2	52.4	40.4	31.4	23.9	21.4	19.9	19.9	19.4
45°	1258.1	801.8	78.8	48.9	36.9	26.9	19.4	17.5	16.0	16.0	15.5
47.5°	1376.8	845.2	68.8	45.4	32.9	22.4	16.0	14.0	13.0	12.5	12.5
50°	1503.5	897.1	63.3	42.4	28.4	18.0	13.0	11.0	10.0	10.0	9.5
52.5°	1634.6	956.4	58.8	40.4	24.4	15.0	10.0	8.0	7.5	7.0	7.5
55°	1740.8	992.3	55.8	39.9	20.4	12.0	7.5	6.0	5.5	5.0	5.0
57.5°	1810.6	1011.8	51.9	36.9	16.5	9.0	5.5	4.0	3.5	3.5	3.5
60°	1865.5	1022.7	46.9	29.4	13.0	6.5	3.5	2.5	2.5	2.5	2.5
62.5°	1908.9	1030.2	39.4	22.9	10.0	4.5	2.5	1.5	1.5	1.5	1.5
65°	2037.5	1074.1	30.4	17.5	7.5	3.0	1.5	1.0	0.5	1.0	1.0
67.5°	2194.1	1092.6	22.4	12.5	5.5	2.0	1.0	0.5	0.5	0.5	1.0
70°	2132.3	951.9	16.5	9.0	4.0	1.5	1.0	0.5	0.5	0.5	1.0
72.5°	1791.7	695.6	12.0	6.5	3.0	1.5	1.0	0.5	0.5	1.0	1.0
75°	1288.5	392.4	9.5	4.5	2.5	1.5	1.0	1.0	1.0	1.5	1.5
77.5°	606.4	146.1	9.5	4.0	2.5	1.5	1.0	1.0	1.5	2.0	1.0
80°	147.1	36.4	9.5	3.5	2.5	1.5	1.5	1.5	2.0	2.0	1.0
82.5°	49.4	15.5	7.0	3.0	2.5	1.5	1.5	2.0	2.0	2.5	1.5
85°	29.9	10.0	5.0	3.5	3.0	1.5	2.0	2.0	2.5	3.0	1.5
87.5°	5.0	4.0	3.5	3.5	3.0	2.0	2.0	2.5	2.5	3.0	2.0
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)