

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: P415067

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415067
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-PA1-40-730-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 3443 lumens
Efficiency: N/A
Efficacy: 86.1 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

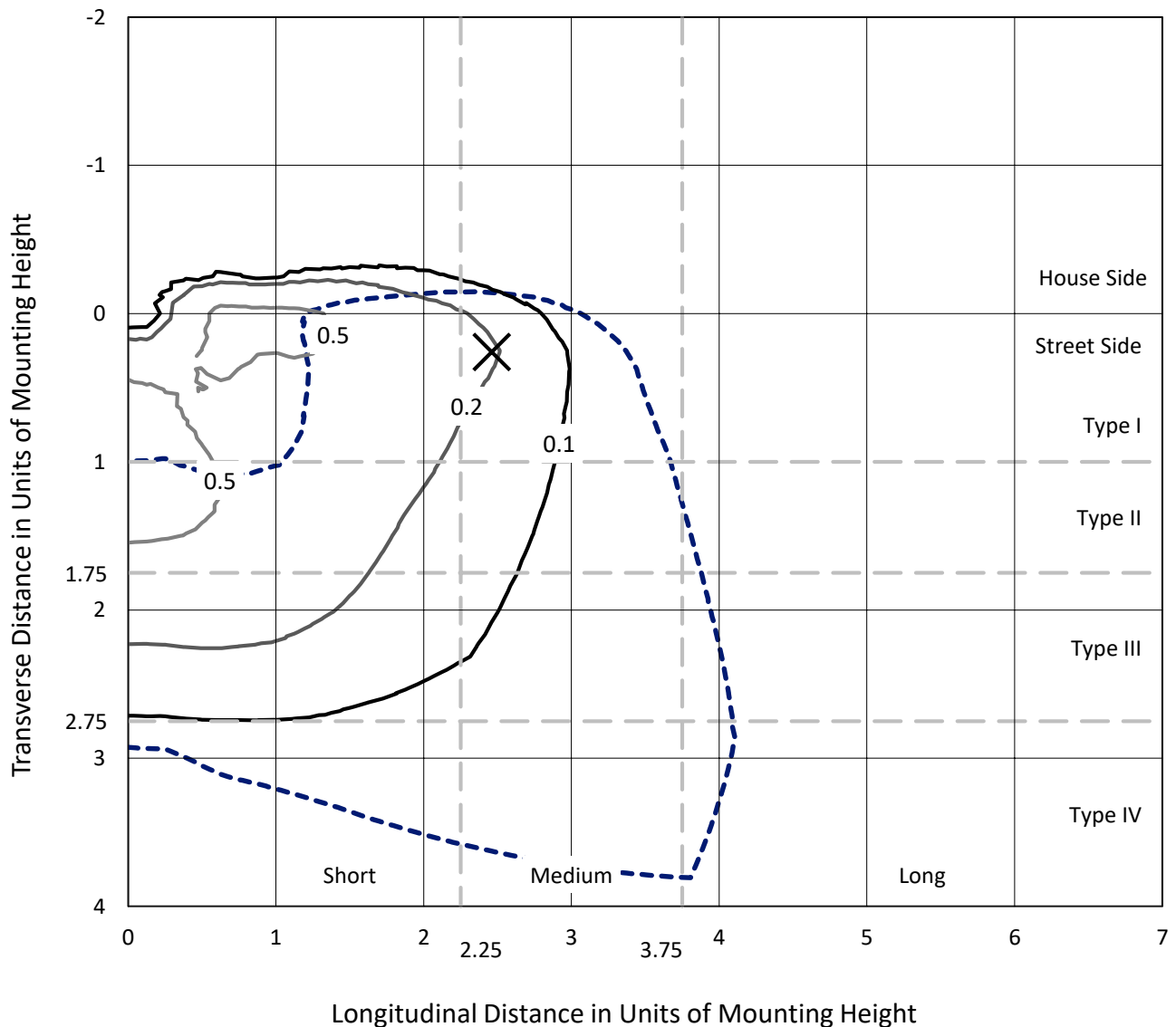
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

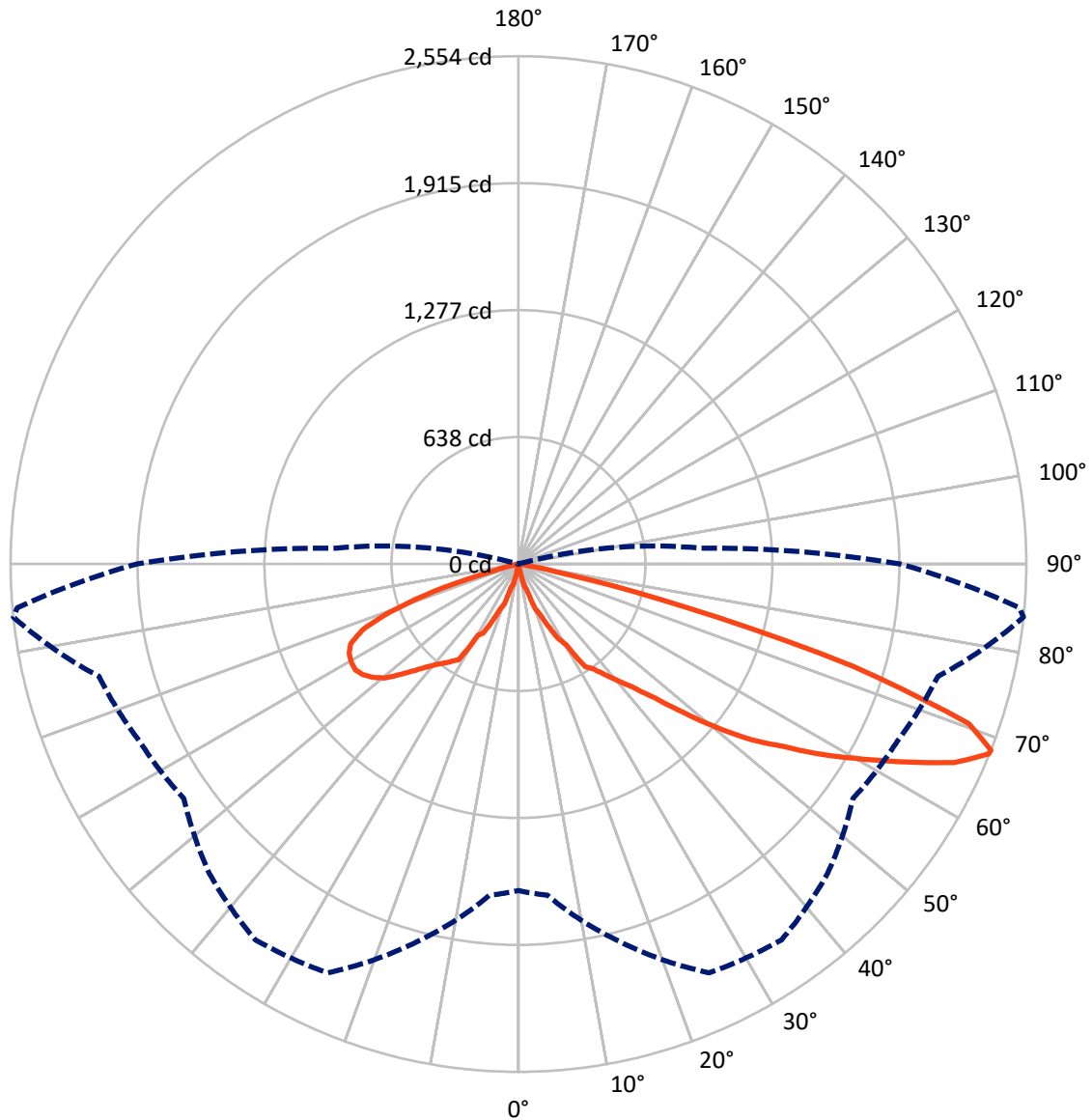
× Max cd
 - - - 1/2 Max cd



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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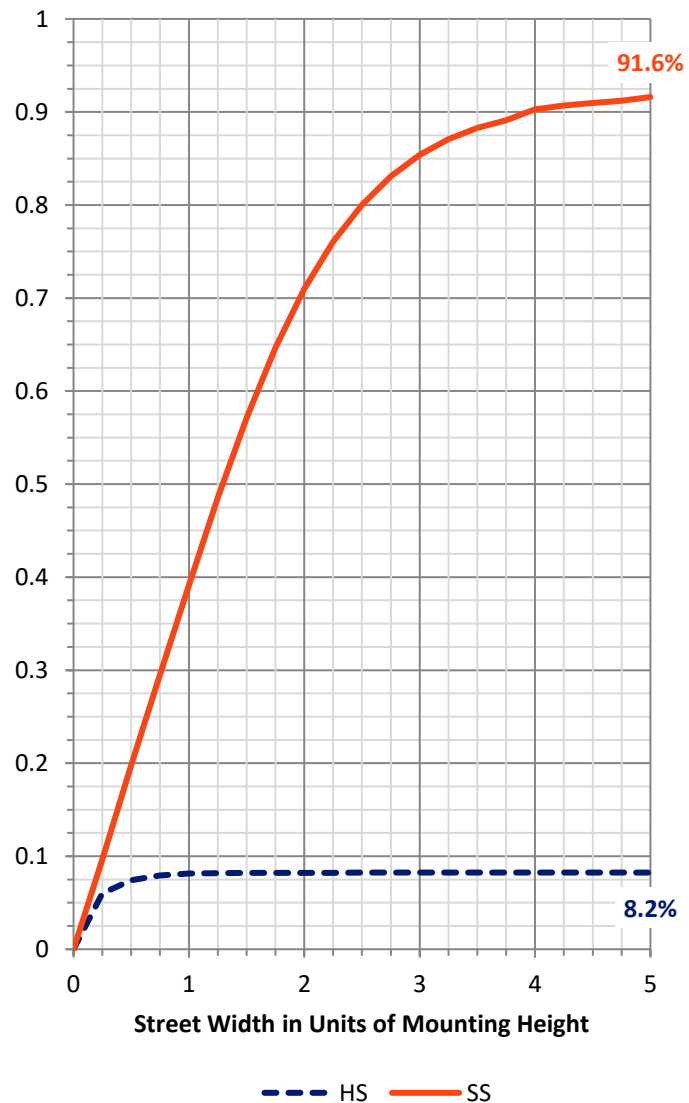
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	286.1	0.0	286.1
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	3156.9	0.0	3156.9
	% Fixture	91.7	0.0	91.7
Total	Lumens	3443.0	0.0	3443.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	31.2	0.9
20°-30°	111.6	3.2
30°-40°	238.4	6.9
40°-50°	426.0	12.4
50°-60°	755.9	22.0
60°-70°	1086.3	31.6
70°-80°	731.3	21.2
80°-90°	60.1	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°	3443.0	100.0
0°-180°	3443.0	100.0



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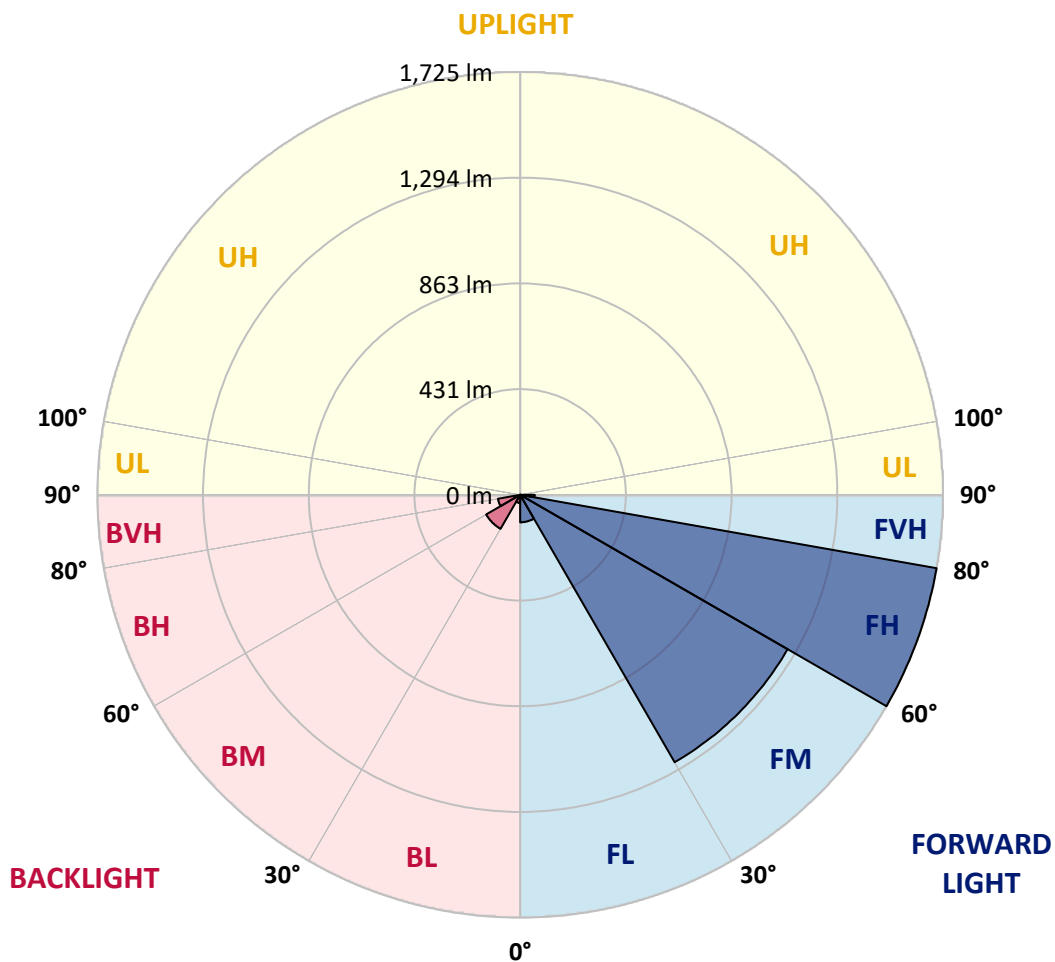
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.2	3.3			
FM	(30°-60°)	1260.0	36.6			
FH	(60°-80°)	1725.5	50.1			G1/1800
FVH	(80°-90°)	59.2	1.7			G1/100
BL	(0°-30°)	32.8	1.0	B0/110		
BM	(30°-60°)	160.3	4.7	B0/220		
BH	(60°-80°)	92.1	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





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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	1.0	1.0	1.5	1.5	1.5	1.5
5°	26.4	22.4	21.9	19.4	14.0	3.5	1.0	1.5	1.5	1.5	1.5
7.5°	94.7	93.2	92.3	90.3	88.3	67.8	13.5	1.5	1.5	1.5	1.5
10°	101.7	99.7	98.2	95.7	92.8	89.3	85.3	11.0	1.5	1.5	1.5
12.5°	210.4	207.9	144.1	119.2	98.2	93.2	90.3	46.9	43.4	49.4	56.3
15°	221.4	219.4	213.9	206.9	186.0	105.2	141.6	176.0	114.7	122.2	122.2
17.5°	246.8	242.8	223.9	213.4	204.9	225.4	206.9	188.5	123.7	131.1	131.1
20°	345.6	344.6	339.1	236.9	215.4	285.2	225.4	201.0	228.4	238.4	226.9
22.5°	348.6	347.6	343.6	330.1	338.6	293.2	323.6	303.7	311.7	272.3	270.3
25°	462.3	458.3	367.0	336.1	382.0	312.7	385.0	335.1	329.1	340.1	340.1
27.5°	470.7	469.7	466.7	447.3	391.9	442.8	396.4	433.8	442.3	420.4	431.8
30°	536.1	503.1	485.7	474.2	461.8	464.8	462.8	499.2	460.8	469.7	464.8
32.5°	623.8	620.8	611.9	505.6	513.1	485.2	539.6	534.1	595.9	615.3	612.4
35°	746.0	698.1	639.8	584.9	532.6	576.5	557.5	621.3	636.8	645.8	664.2
37.5°	853.2	837.7	783.4	620.3	589.9	593.4	637.8	665.7	688.6	704.6	712.6
40°	951.4	940.0	903.6	725.1	620.8	644.3	680.7	696.1	741.5	770.9	771.4
42.5°	1097.1	1104.0	1070.1	819.8	704.6	715.6	746.5	749.0	789.4	848.2	850.2
45°	1279.1	1269.6	1261.1	957.4	784.4	777.4	820.3	814.3	876.6	959.4	969.4
47.5°	1454.6	1441.1	1418.2	1116.0	895.1	846.7	906.6	911.6	1008.8	1114.5	1118.5
50°	1590.2	1585.2	1562.3	1300.5	1042.2	942.5	1002.3	1061.1	1164.4	1291.5	1300.0
52.5°	1739.8	1728.4	1688.0	1473.5	1231.2	1086.6	1117.0	1220.2	1328.4	1468.1	1467.1
55°	1839.6	1841.1	1802.7	1650.1	1402.7	1249.6	1261.6	1420.2	1478.0	1620.6	1631.1
57.5°	1972.2	1961.2	1971.7	1857.5	1635.1	1415.2	1443.1	1580.3	1632.1	1808.1	1815.1
60°	2070.9	2074.9	2126.8	2049.0	1815.1	1583.7	1607.7	1710.9	1785.7	1991.6	2013.6
62.5°	2074.4	2095.9	2235.5	2241.0	2010.1	1766.3	1750.8	1844.5	1910.4	2191.1	2217.5
65°	1884.4	1897.4	2212.1	2291.8	2191.1	1945.3	1886.9	1957.2	2033.5	2407.0	2412.0
67.5°	1693.9	1697.9	2001.6	2276.9	2299.8	2160.2	2032.0	2080.4	2154.2	2549.1	2531.7
68°	1642.1	1672.0	1965.2	2268.4	2306.8	2199.1	2054.0	2103.8	2183.6	2553.6	2529.2
70°	1488.5	1520.4	1790.2	2173.7	2303.3	2345.7	2174.2	2181.1	2202.1	2403.0	2324.8
72.5°	1000.8	1022.3	1416.7	1850.0	2228.5	2516.2	2308.3	2135.3	1975.7	1761.8	1692.5
75°	385.0	387.5	714.1	1271.6	1926.8	2431.0	2166.7	1800.2	1341.9	857.7	805.3
77.5°	143.6	141.1	206.9	589.4	1223.2	1888.9	1617.7	1103.5	559.0	224.9	219.9
80°	50.9	52.4	80.3	177.5	497.2	1103.5	900.6	449.3	164.6	49.9	45.9
82.5°	19.9	21.4	40.9	84.3	213.4	463.3	384.5	191.0	96.2	18.9	18.0
85°	4.5	5.0	16.0	41.9	81.3	134.1	135.1	116.7	79.8	9.0	8.5
87.5°	0.5	1.0	4.5	5.5	6.5	3.5	11.5	12.0	21.9	3.5	3.5
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°	1.5	1.5	1.5	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
5°	1.5	1.5	1.5	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
7.5°	1.5	1.5	1.5	1.0	0.5	0.5	0.0	43.9	45.4	46.9	47.4
10°	1.5	1.5	1.5	1.0	1.0	45.9	53.9	51.9	48.4	46.9	47.4
12.5°	54.4	52.9	17.0	3.5	41.9	50.4	41.4	34.4	30.9	28.4	28.4
15°	118.7	114.2	95.2	72.8	68.3	38.9	26.4	22.4	32.9	39.9	39.9
17.5°	126.2	120.7	106.7	105.7	69.3	33.9	27.4	35.4	37.4	39.4	39.4
20°	244.3	218.9	150.6	101.2	50.9	41.4	34.4	33.9	35.4	37.9	38.4
22.5°	261.8	249.3	189.5	122.7	46.4	44.9	39.9	37.9	50.9	55.4	55.4
25°	332.6	320.6	204.0	97.7	56.3	45.9	50.4	47.4	48.4	52.4	52.4
27.5°	425.4	403.4	267.8	82.3	52.4	49.9	51.4	47.4	55.8	66.3	66.3
30°	471.2	427.4	256.3	72.8	53.4	54.4	49.4	57.8	57.8	61.8	62.3
32.5°	628.8	598.4	288.7	61.3	53.4	49.9	53.9	54.9	53.9	69.8	70.3
35°	669.2	632.8	247.3	63.8	50.9	48.4	48.4	54.4	57.8	61.3	61.8
37.5°	718.6	671.2	194.5	59.8	52.9	46.9	44.4	46.4	50.9	59.8	60.3
40°	781.4	713.1	149.6	56.3	49.4	42.9	40.4	42.4	42.4	44.9	45.4
42.5°	866.2	762.9	110.7	53.9	46.4	39.4	35.4	32.9	31.4	30.9	31.4
45°	982.4	826.8	82.8	51.4	44.4	34.9	29.4	23.9	19.9	19.9	20.4
47.5°	1120.5	898.1	67.3	47.4	41.4	29.9	22.4	15.5	12.5	13.0	13.5
50°	1267.6	973.4	58.8	43.9	37.9	24.4	15.0	9.5	8.0	8.5	9.0
52.5°	1403.7	1022.3	55.4	40.4	33.4	18.9	9.5	6.5	6.0	6.0	6.5
55°	1540.4	1059.2	52.4	36.9	26.9	12.5	5.5	5.0	5.0	4.5	4.5
57.5°	1667.5	1081.1	47.4	31.9	18.9	7.5	4.0	4.0	3.5	3.5	3.5
60°	1784.2	1078.6	37.9	23.9	12.0	4.5	3.0	3.0	2.5	2.5	2.5
62.5°	1903.4	1067.6	26.9	17.0	8.0	3.0	2.0	2.0	1.5	1.0	1.5
65°	1975.2	1036.7	18.0	12.0	5.0	2.0	1.5	1.0	0.5	0.0	0.5
67.5°	1945.3	947.0	13.5	9.0	3.5	1.5	1.0	0.5	0.0	0.0	0.0
68°	1917.8	918.5	12.5	8.5	3.0	1.5	1.0	0.5	0.0	0.0	0.0
70°	1701.9	765.4	11.0	7.0	2.5	1.5	1.0	0.5	0.0	0.0	0.0
72.5°	1135.4	497.2	9.0	5.5	2.0	1.0	1.0	0.5	0.0	0.0	0.0
75°	523.6	159.6	7.0	4.5	1.5	1.0	1.0	0.5	0.0	0.0	0.0
77.5°	139.6	33.9	4.5	3.0	1.5	1.0	1.0	0.5	0.5	0.5	0.0
80°	33.4	10.5	3.0	2.5	1.5	1.0	1.0	0.5	0.5	0.5	0.0
82.5°	12.5	5.5	2.0	2.0	1.5	1.0	1.0	0.5	1.0	1.0	0.0
85°	5.5	3.5	2.0	2.0	1.5	1.0	1.0	1.0	1.0	1.5	0.0
87.5°	2.5	2.5	2.0	2.0	2.0	1.0	1.5	1.5	1.5	1.5	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)