

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: P414572

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2567 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B0 - U0 - G1

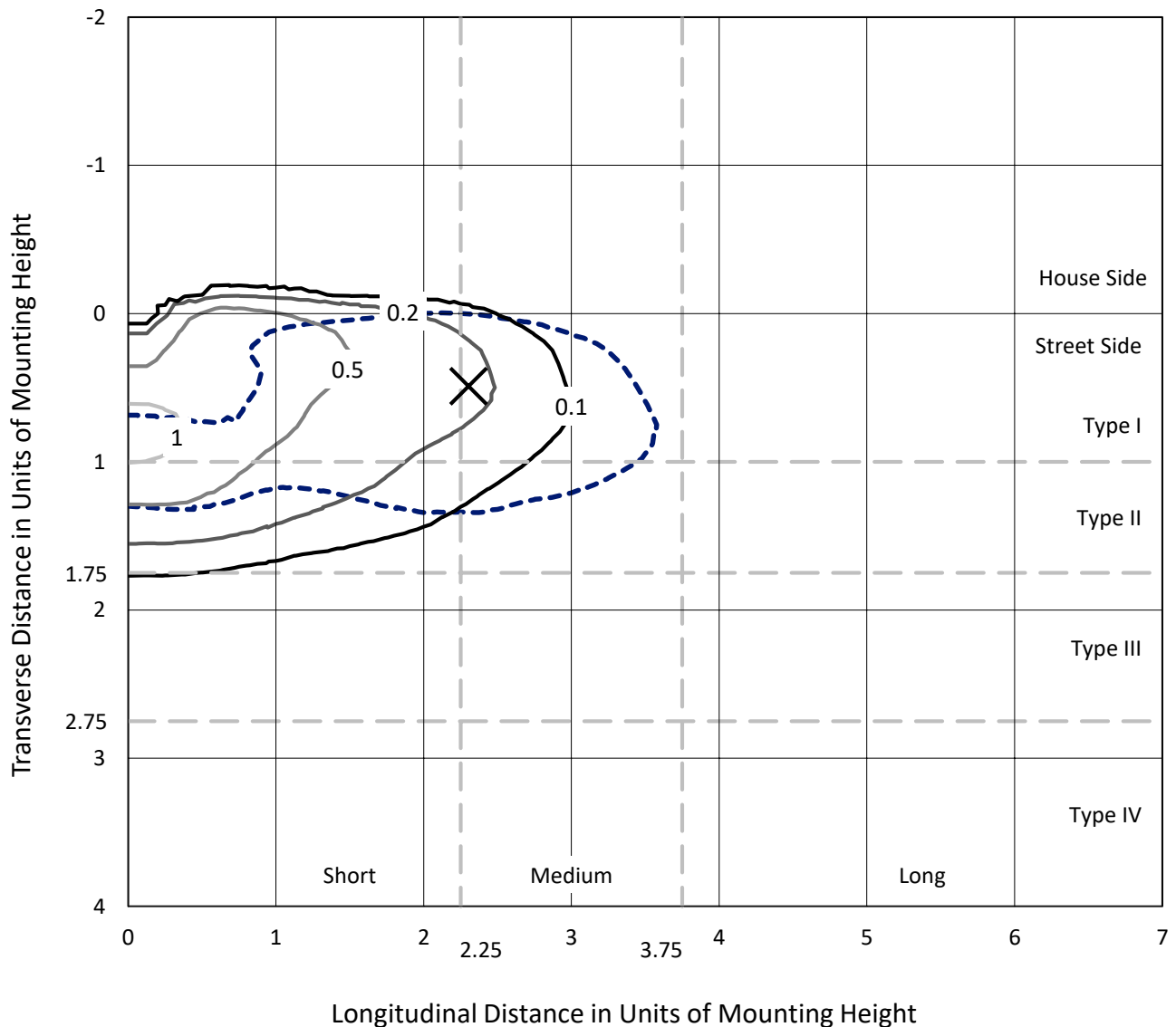
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

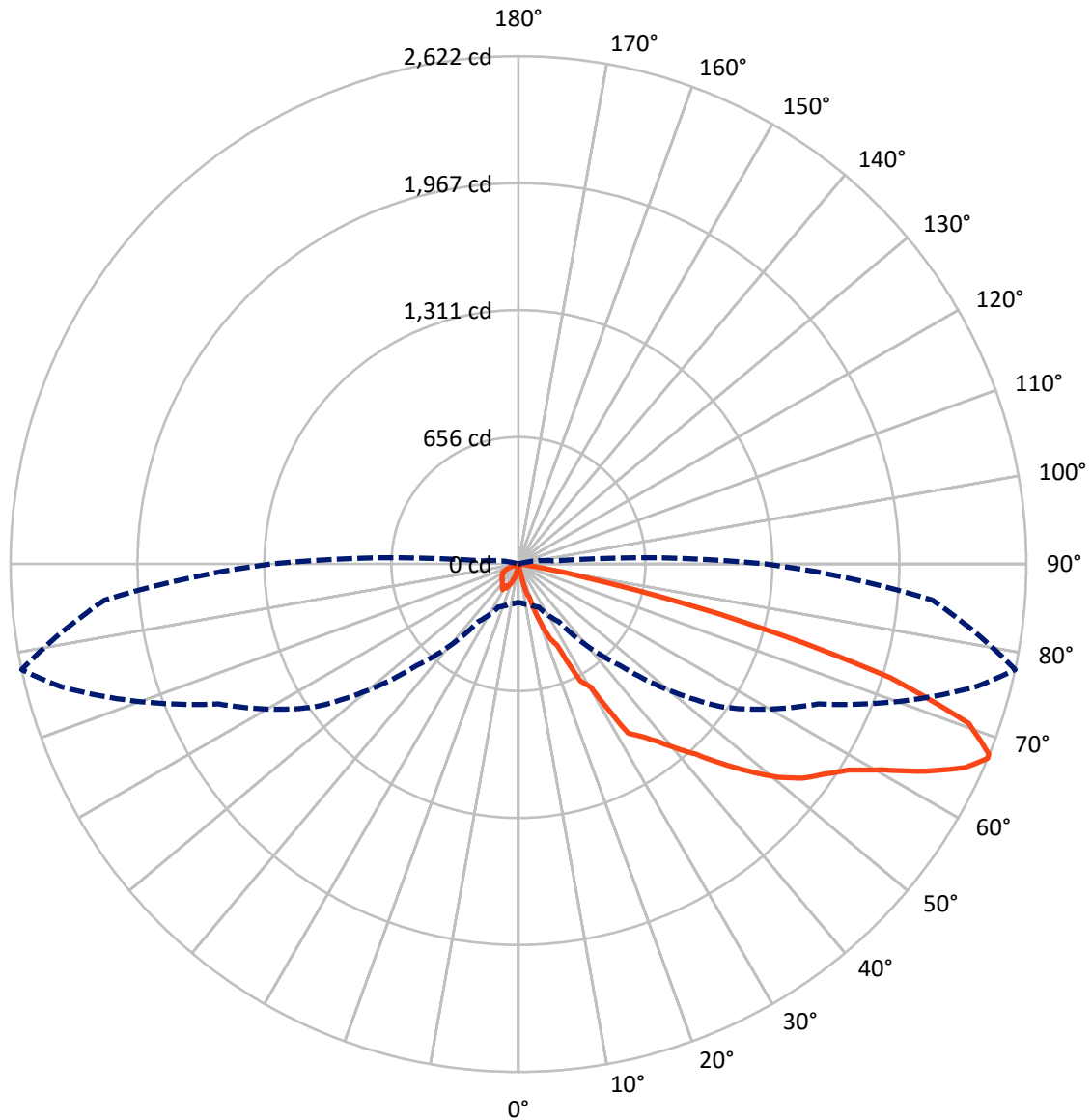
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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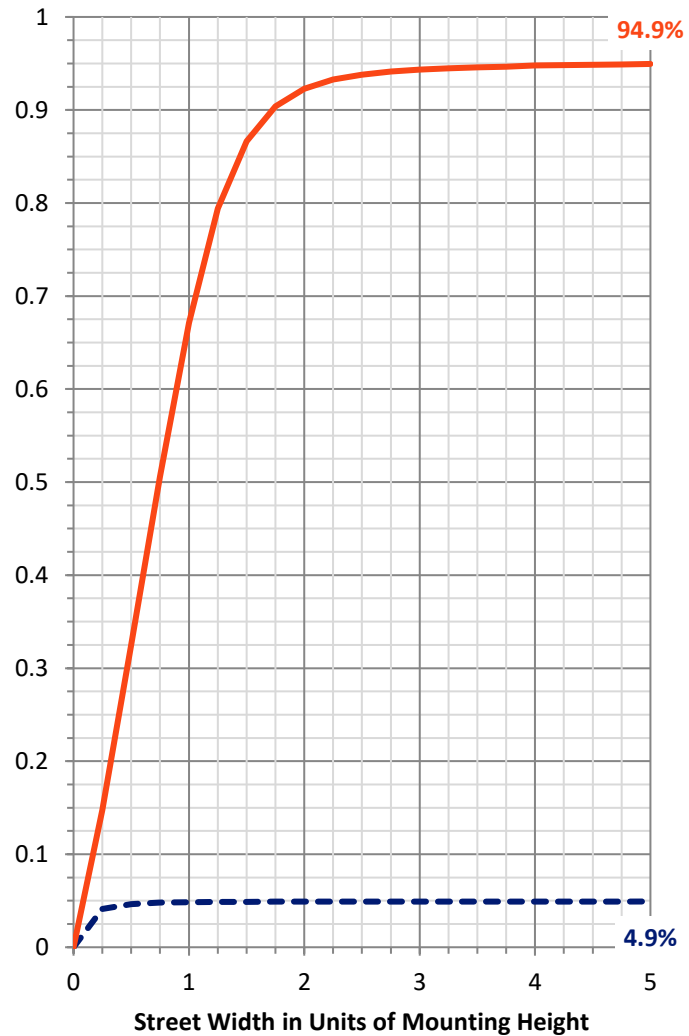
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	127.1	0.0	127.1
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	2439.9	0.0	2439.9
	% Fixture	95.0	0.0	95.0
Total	Lumens	2567.0	0.0	2567.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	35.0	1.4
20°-30°	139.4	5.4
30°-40°	354.6	13.8
40°-50°	580.5	22.6
50°-60°	654.6	25.5
60°-70°	564.5	22.0
70°-80°	227.1	8.8
80°-90°	8.9	0.3
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°	2567.0	100.0
0°-180°	2567.0	100.0

Coefficient of Utilization



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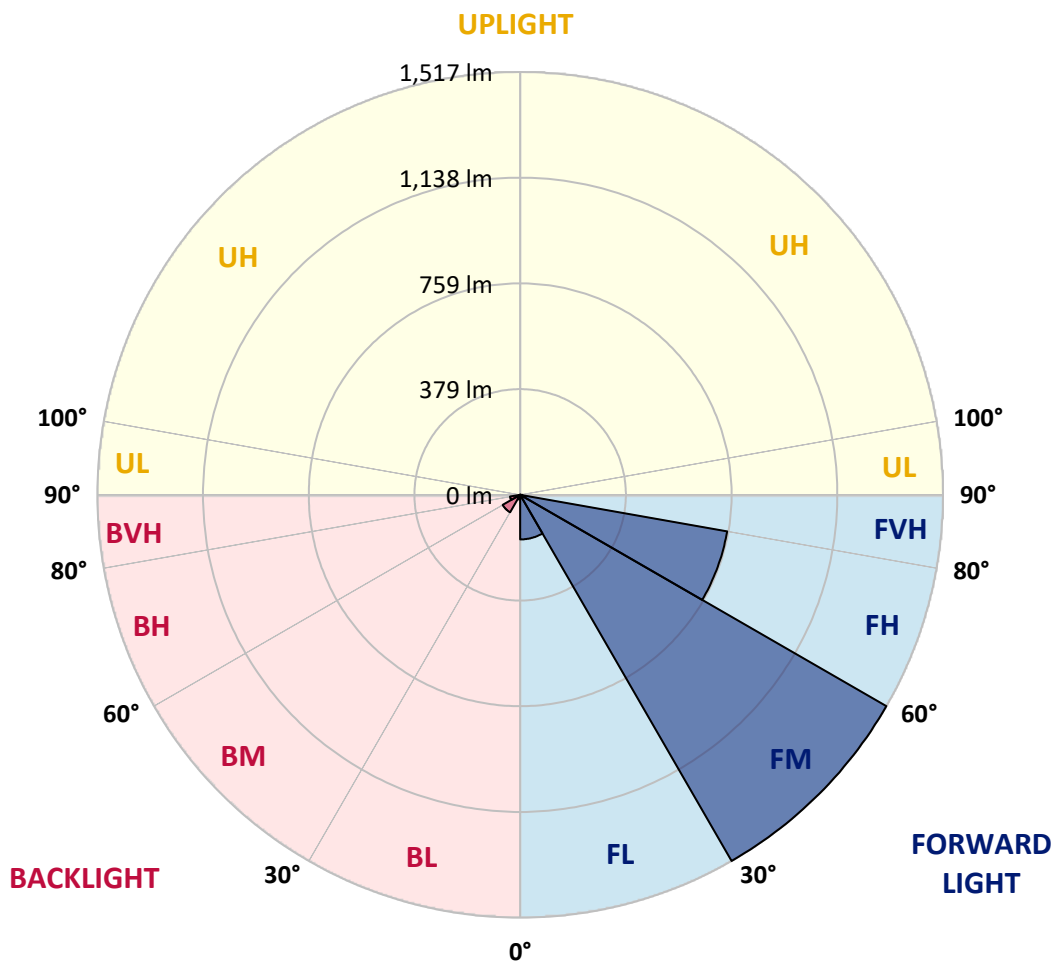
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.1	6.2			
FM (30°-60°)	1517.4	59.1			
FH (60°-80°)	754.4	29.4			G1/1800
FVH (80°-90°)	8.0	0.3			G0/10
BL (0°-30°)	16.7	0.6	B0/110		
BM (30°-60°)	72.4	2.8	B0/220		
BH (60°-80°)	37.2	1.4	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	0.4	0.4	0.7	0.7	1.4	1.4	1.1	1.1	1.1	1.1	1.1
5°	107.5	84.2	59.8	17.3	6.7	3.2	1.4	1.1	1.1	1.1	0.7
7.5°	119.9	118.8	117.4	116.7	114.6	111.0	7.8	1.4	1.1	1.1	1.1
10°	128.4	126.2	125.9	125.5	124.1	121.3	116.0	6.7	1.1	1.1	1.1
12.5°	257.8	256.7	252.5	147.8	133.0	130.1	125.5	90.2	7.1	59.4	64.4
15°	254.6	253.9	256.7	262.4	267.7	142.9	204.0	257.4	158.1	151.4	157.7
17.5°	263.5	263.1	258.5	263.1	271.2	316.5	291.4	280.8	175.4	183.2	168.3
20°	394.7	393.9	397.8	374.1	281.5	394.3	366.0	304.1	344.4	316.5	317.9
22.5°	414.5	415.9	414.8	422.9	488.7	407.4	455.5	472.8	478.5	419.1	361.8
25°	608.2	599.4	581.0	449.1	526.9	505.3	578.5	511.0	514.5	463.6	463.6
27.5°	681.4	681.4	666.2	648.9	559.1	648.9	609.0	671.2	732.0	683.9	580.7
30°	924.7	917.7	764.2	742.3	695.9	686.7	735.2	787.9	761.0	738.4	653.2
32.5°	1099.4	1100.1	1061.2	942.4	827.5	766.0	851.5	869.2	1014.6	1041.1	885.5
35°	1402.8	1385.2	1194.9	1087.1	973.9	932.9	928.6	1018.1	1101.6	1092.4	959.8
37.5°	1595.6	1583.2	1491.3	1249.0	1104.0	1012.1	1067.3	1071.5	1206.6	1160.3	1048.5
40°	1684.0	1678.3	1600.5	1394.7	1218.3	1120.3	1138.0	1151.8	1312.0	1248.3	1123.1
42.5°	1755.4	1750.1	1679.4	1467.9	1327.9	1223.9	1217.5	1220.0	1397.2	1341.3	1198.5
45°	1789.7	1786.5	1756.1	1532.6	1375.6	1291.1	1304.2	1288.3	1471.5	1467.9	1281.9
47.5°	1756.5	1758.2	1766.7	1589.9	1410.6	1344.1	1388.4	1362.9	1559.9	1597.0	1376.0
50°	1639.4	1638.7	1687.2	1598.4	1430.8	1386.6	1462.6	1433.3	1664.9	1729.2	1460.8
52.5°	1279.1	1326.1	1501.5	1507.2	1426.2	1407.8	1518.5	1514.2	1763.9	1836.8	1545.7
55°	962.6	981.7	1148.2	1307.4	1366.8	1405.3	1538.3	1568.7	1837.1	1915.3	1612.2
57.5°	756.4	750.0	841.3	1053.8	1216.8	1363.6	1533.7	1589.9	1908.5	2007.2	1699.9
60°	553.4	559.1	631.6	764.2	1000.8	1268.8	1519.5	1624.2	2021.7	2155.7	1830.4
62.5°	401.4	401.4	451.2	532.2	766.7	1116.8	1488.8	1672.3	2198.9	2357.3	1985.6
65°	270.2	268.4	305.5	346.9	525.1	924.0	1406.0	1717.2	2368.6	2534.5	2118.9
67°	198.7	202.6	217.8	245.1	363.2	740.1	1287.9	1708.4	2446.8	2622.2	2145.1
67.5°	186.0	187.8	208.6	232.7	334.9	691.3	1254.3	1697.8	2455.3	2620.0	2131.7
70°	135.1	137.9	149.2	156.3	202.6	456.2	1001.1	1530.9	2331.5	2466.6	1938.2
72.5°	72.5	78.5	108.6	107.9	125.9	278.3	680.7	1136.2	1916.3	2007.9	1487.7
75°	56.6	57.3	64.7	79.9	81.3	154.9	327.5	660.2	1212.2	1219.0	826.1
77.5°	41.4	43.1	47.7	50.6	53.0	88.1	114.6	262.4	536.8	468.9	309.4
80°	27.9	29.0	31.5	37.5	43.5	49.9	37.1	70.0	126.2	98.0	46.3
82.5°	12.0	11.7	21.9	31.5	31.1	20.5	18.7	21.9	25.1	23.0	14.1
85°	0.7	1.1	11.3	15.2	13.1	8.8	11.7	9.2	9.5	9.2	7.1
87.5°	0.4	0.4	1.1	1.4	1.8	1.8	2.1	2.1	2.8	3.2	2.8
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.1	1.1	1.1	1.1	1.1	0.4	0.4	0.0	0.0	0.0	0.0
5°	1.1	1.1	1.1	1.1	1.1	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.1	1.1	1.1	1.1	1.1	0.4	0.0	3.9	10.6	11.3	11.0
10°	1.1	1.1	1.1	1.1	0.7	9.2	12.7	12.0	11.7	11.3	11.3
12.5°	64.4	54.5	9.9	2.1	9.2	11.7	10.3	10.3	9.9	9.9	9.9
15°	140.7	118.1	55.5	18.7	14.5	9.9	9.2	9.2	15.2	16.6	16.3
17.5°	147.5	119.2	54.5	25.5	20.9	12.7	12.7	16.3	15.9	15.2	15.2
20°	280.4	183.9	62.9	25.1	19.1	20.2	15.2	14.1	13.4	12.7	12.7
22.5°	299.9	216.1	67.5	31.8	20.5	20.2	15.6	13.1	16.6	16.3	16.3
25°	387.2	261.0	61.2	29.7	26.5	18.4	16.6	14.5	14.1	13.4	13.4
27.5°	479.9	308.7	67.5	30.8	24.0	18.0	15.6	12.7	13.4	14.9	14.9
30°	526.2	309.1	53.4	31.5	23.0	18.4	13.8	14.1	13.4	13.1	12.7
32.5°	706.2	396.8	51.3	30.1	21.6	15.9	14.1	12.4	11.3	12.4	12.4
35°	738.0	383.0	44.6	30.4	19.4	14.5	12.0	11.3	11.3	11.0	11.0
37.5°	773.0	368.1	39.3	26.9	18.7	13.1	10.3	10.3	9.9	10.6	10.6
40°	811.6	352.6	35.0	23.3	15.9	11.0	9.2	8.8	9.2	9.2	8.8
42.5°	856.5	337.4	31.5	20.5	13.4	9.2	7.4	7.4	7.4	7.1	7.1
45°	904.6	325.3	29.0	17.7	11.3	7.8	6.0	5.7	5.3	5.3	5.3
47.5°	961.5	320.4	26.9	14.9	9.5	6.0	4.6	4.2	3.9	3.5	3.5
50°	1009.3	318.3	23.7	12.4	8.1	5.0	3.2	2.8	2.5	2.1	2.1
52.5°	1051.3	309.1	20.5	9.9	6.4	3.5	2.1	1.4	1.1	1.1	1.1
55°	1093.1	300.6	17.7	8.5	4.6	2.1	1.1	0.4	0.4	0.7	0.7
57.5°	1144.7	291.0	15.2	7.1	3.5	1.4	0.7	0.0	0.4	0.4	0.7
60°	1225.7	281.1	13.4	6.0	2.5	1.1	0.4	0.0	0.0	0.4	0.4
62.5°	1298.2	263.8	11.7	5.3	2.1	1.1	0.4	0.0	0.0	0.0	0.4
65°	1329.6	228.1	10.3	4.6	2.1	1.1	0.4	0.0	0.0	0.0	0.0
67°	1277.0	184.6	9.2	4.2	1.8	0.7	0.4	0.0	0.0	0.0	0.0
67.5°	1252.2	172.2	9.2	3.9	1.8	0.7	0.4	0.4	0.0	0.0	0.0
70°	1063.0	114.2	8.1	3.5	1.8	0.7	0.7	0.4	0.0	0.0	0.0
72.5°	815.8	66.5	7.1	3.2	1.8	0.7	0.7	0.4	0.4	0.0	0.0
75°	456.2	33.6	5.7	3.2	1.8	1.1	1.1	0.7	0.7	0.7	0.0
77.5°	146.0	18.4	4.2	2.8	1.8	1.1	1.1	0.7	1.1	1.1	0.4
80°	23.0	9.5	3.2	2.1	1.8	0.7	1.1	1.1	1.4	1.4	0.4
82.5°	8.5	5.3	2.5	2.1	1.8	0.7	1.1	1.1	1.4	1.8	0.0
85°	3.9	3.2	2.5	2.1	1.8	0.7	1.1	1.1	1.4	1.8	0.0
87.5°	1.8	2.5	2.1	2.1	1.8	0.7	1.1	1.1	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)