

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: P414602

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
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-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3260 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

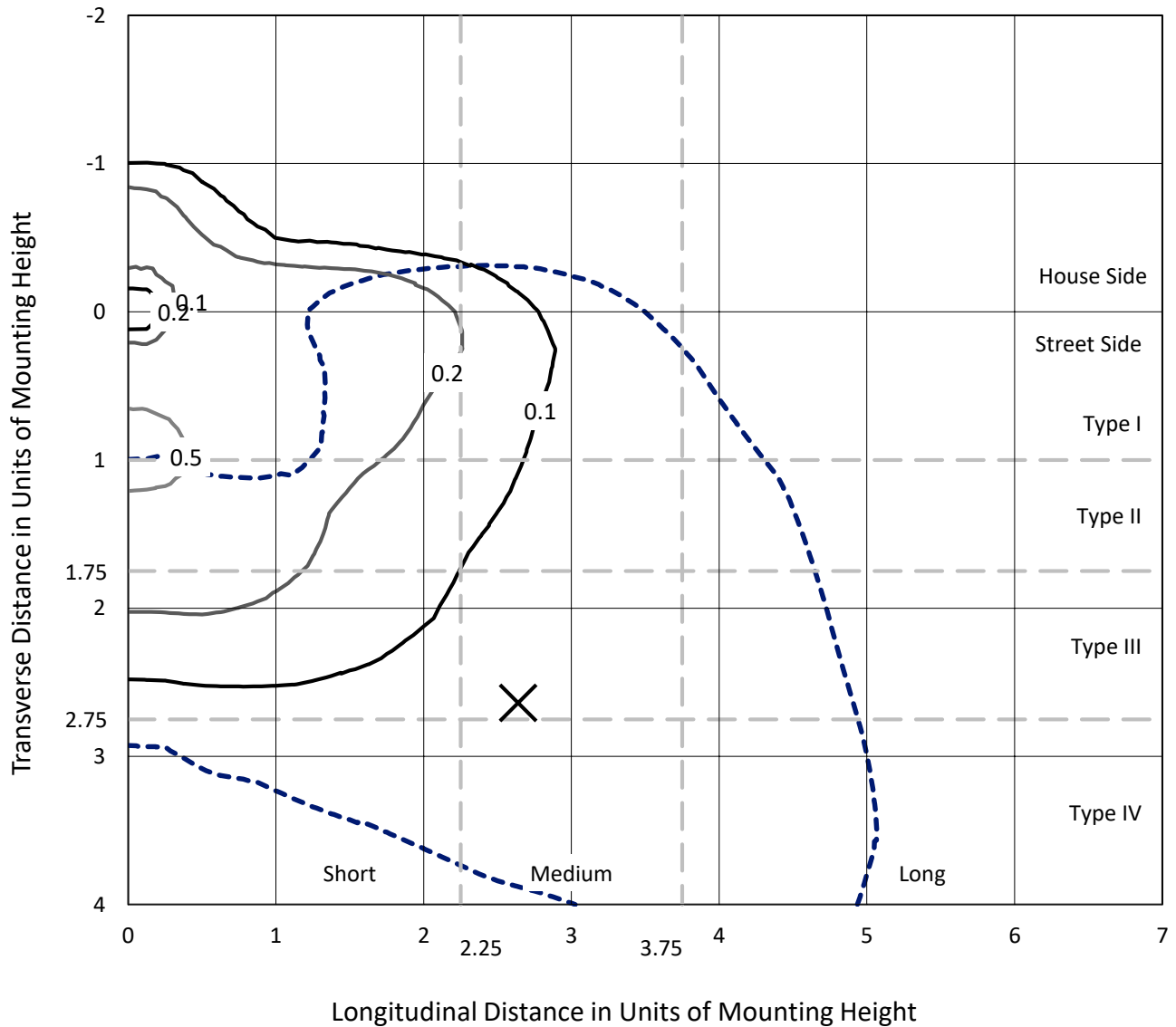
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

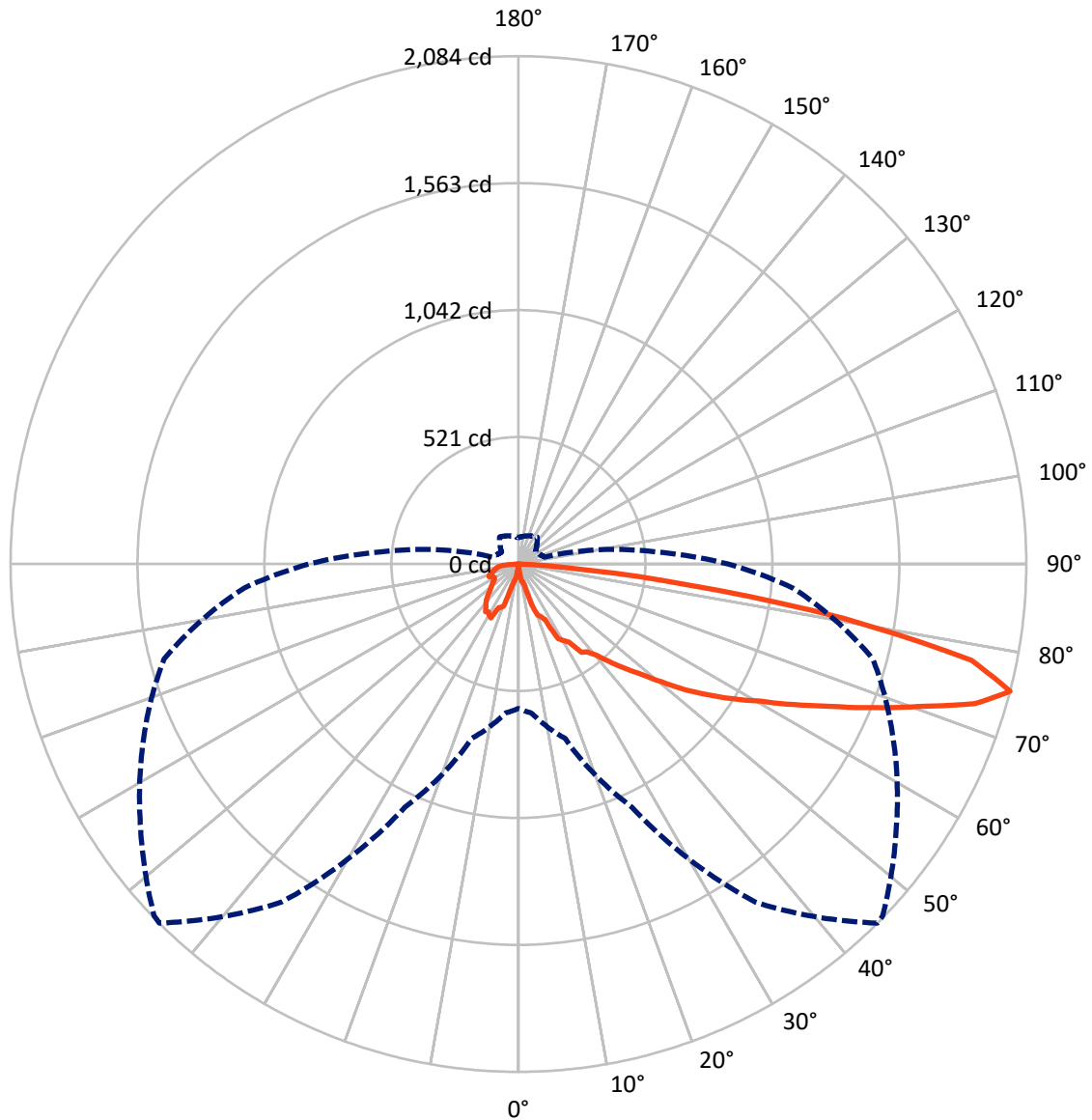


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



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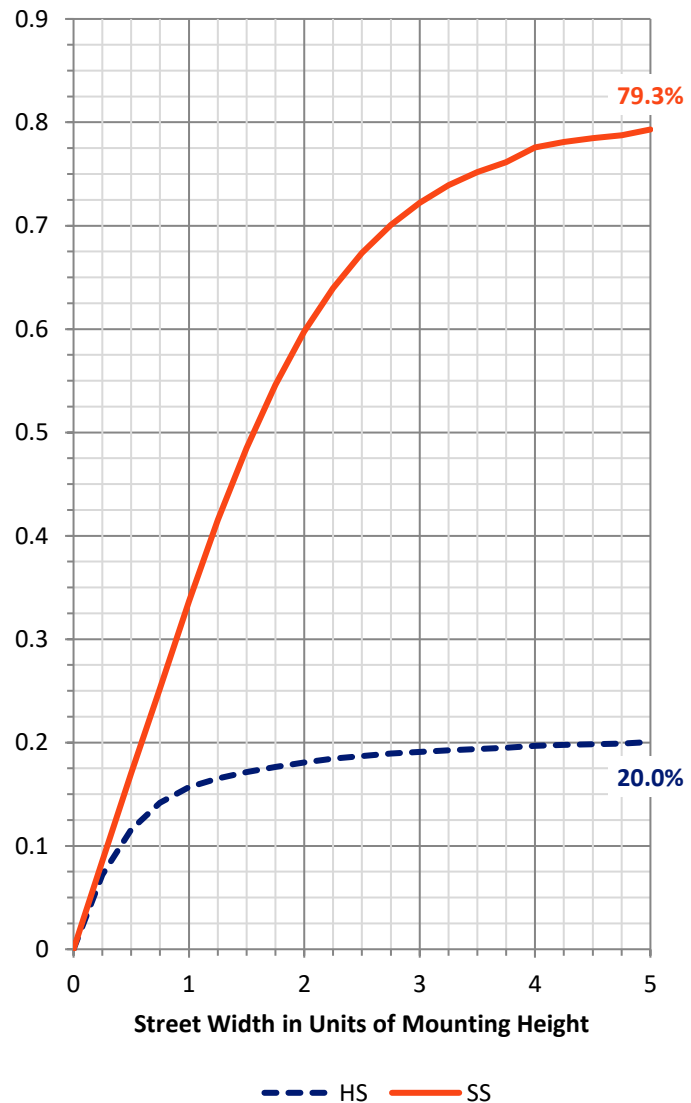
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	668.6	0.0	668.6
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2591.4	0.0	2591.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	3260.0	0.0	3260.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	33.7	1.0
20°-30°	125.3	3.8
30°-40°	258.1	7.9
40°-50°	409.2	12.6
50°-60°	646.9	19.8
60°-70°	908.8	27.9
70°-80°	756.6	23.2
80°-90°	119.3	3.7
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°	3260.0	100.0
0°-180°	3260.0	100.0



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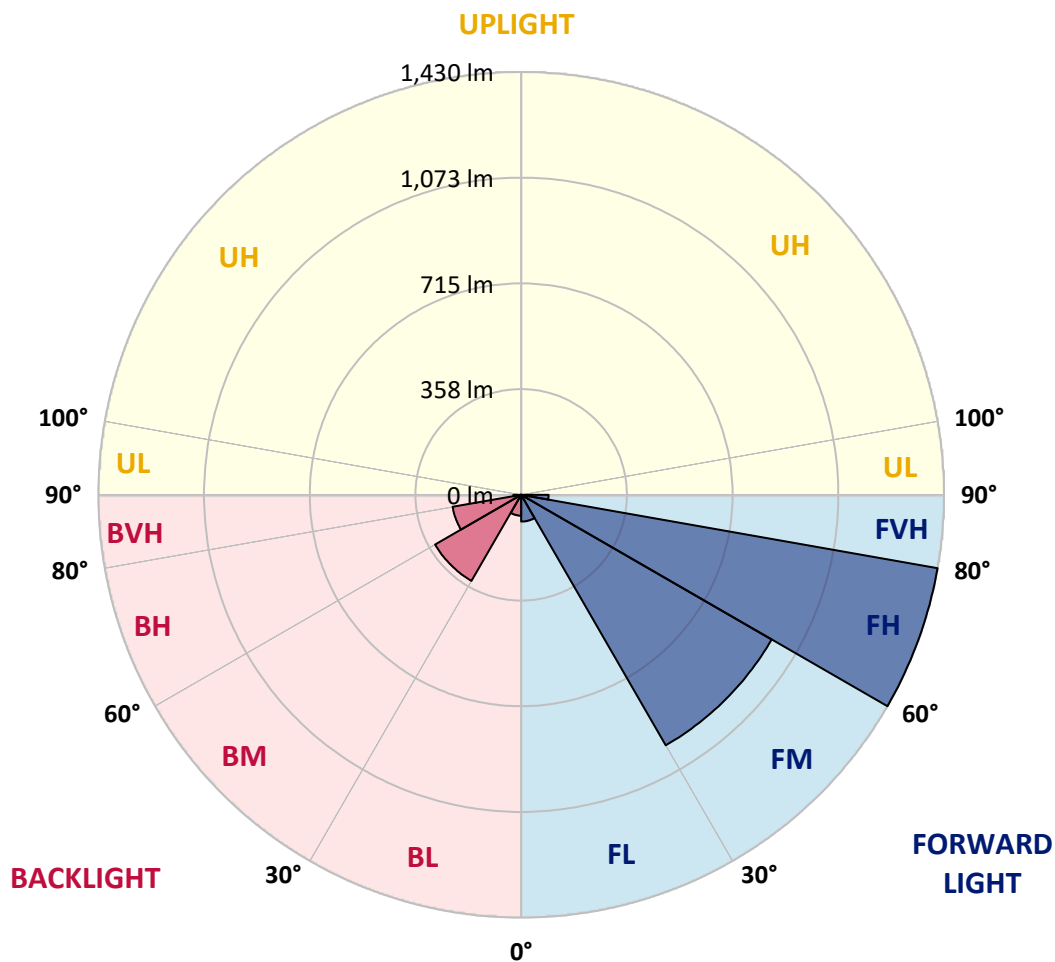
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	90.5	2.8			
FM	(30°-60°)	978.1	30.0			
FH	(60°-80°)	1430.1	43.9			G1/1800
FVH	(80°-90°)	92.6	2.8			G1/100
BL	(0°-30°)	70.5	2.2	B0/110		
BM	(30°-60°)	336.0	10.3	B1/1000		
BH	(60°-80°)	235.4	7.2	B1/500		G1/500
BVH	(80°-90°)	26.7	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	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°	1.8	1.8	1.8	1.8	1.8	1.4	1.4	1.1	1.4	1.4	1.4
5°	25.1	23.7	18.7	16.6	13.8	5.7	4.6	2.1	1.8	1.8	1.4
7.5°	74.6	73.9	72.8	70.4	67.2	42.1	36.4	13.1	2.5	1.8	1.4
10°	82.4	81.0	79.2	76.7	73.9	70.4	70.0	64.3	11.7	3.9	3.2
12.5°	161.9	159.1	132.9	96.2	79.6	75.3	75.3	72.8	52.7	18.4	43.1
15°	174.0	172.5	167.6	161.2	151.7	87.3	85.6	113.8	140.4	98.3	104.3
17.5°	195.5	192.3	177.1	169.4	162.3	176.1	175.0	163.0	153.8	108.9	117.0
20°	272.6	270.8	264.5	189.5	174.7	222.7	223.4	184.9	167.2	192.7	191.3
22.5°	279.0	278.6	274.0	262.7	276.8	233.7	234.1	245.7	244.3	255.6	231.9
25°	364.9	363.8	295.2	270.8	302.3	251.7	263.0	304.8	272.2	277.2	289.6
27.5°	374.4	373.7	369.8	352.9	312.9	346.8	346.8	315.0	346.8	363.1	365.2
30°	425.7	412.2	385.0	376.9	364.5	364.2	365.2	364.9	401.3	380.1	401.3
32.5°	500.6	497.8	487.9	408.7	405.2	381.8	393.9	421.4	419.0	483.3	510.9
35°	608.8	570.3	535.3	471.6	420.7	444.8	446.5	437.0	487.9	508.4	547.3
37.5°	759.8	749.2	699.7	531.0	468.8	457.1	458.2	489.3	518.7	541.3	584.8
40°	869.8	864.1	829.8	650.2	514.1	490.7	493.2	513.4	540.6	580.9	626.1
42.5°	975.1	975.1	955.0	752.0	611.3	548.0	546.2	550.5	569.9	612.4	687.3
45°	1043.7	1039.8	1056.8	847.8	683.8	609.5	602.8	601.8	608.8	659.0	769.3
47.5°	1112.6	1102.0	1118.3	944.7	778.5	673.2	673.9	660.8	670.3	747.4	881.4
50°	1185.5	1187.6	1185.5	1026.4	871.5	759.8	753.8	737.2	756.3	851.0	1006.9
52.5°	1289.4	1282.0	1261.1	1130.3	990.3	856.0	846.4	822.4	867.3	973.0	1163.9
55°	1365.1	1358.0	1352.4	1241.7	1081.5	948.9	943.3	916.8	1000.9	1096.0	1325.8
57.5°	1447.5	1439.0	1455.2	1393.7	1224.7	1046.2	1038.8	1022.5	1138.1	1236.4	1490.6
60°	1503.0	1503.3	1547.9	1503.3	1344.2	1143.4	1136.3	1148.4	1263.6	1365.1	1668.4
62.5°	1503.0	1514.6	1612.6	1623.2	1472.2	1270.3	1258.0	1264.7	1400.1	1500.1	1814.5
65°	1360.5	1375.0	1603.4	1657.8	1600.6	1407.5	1401.5	1397.3	1529.1	1606.9	1929.0
67.5°	1215.2	1233.2	1464.1	1659.6	1705.6	1574.0	1552.1	1516.4	1640.5	1686.5	1990.5
70°	1114.4	1129.3	1312.8	1602.7	1773.4	1748.7	1734.2	1640.2	1715.1	1737.0	1921.2
72.5°	950.7	952.1	1115.5	1482.5	1819.1	1959.8	1925.8	1777.3	1757.2	1704.1	1629.2
75°	592.6	614.1	741.4	1100.3	1693.2	2084.2	2077.9	1892.6	1697.1	1505.8	1129.6
77.5°	220.6	233.3	310.1	565.0	1211.6	1901.1	1906.7	1767.4	1435.4	1091.1	606.7
80°	71.8	77.1	102.5	182.1	538.1	1353.1	1397.3	1253.7	880.4	554.4	255.6
82.5°	40.0	38.5	59.4	94.4	229.8	701.1	730.1	602.8	415.1	231.9	95.5
85°	18.4	19.1	28.3	51.3	122.7	195.5	211.1	206.1	157.3	95.5	35.0
87.5°	3.9	4.6	6.4	12.0	19.1	16.6	12.0	21.2	30.8	22.6	6.0
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.4	1.4	1.1	1.1	0.7	0.7	0.4	0.4	0.7	0.7	0.7
5°	1.4	1.4	1.1	1.1	1.1	1.1	1.4	2.5	2.8	3.2	2.8
7.5°	1.4	1.4	1.4	1.4	1.8	3.5	16.6	50.9	54.1	55.2	56.6
10°	3.2	2.8	2.8	3.2	11.0	53.4	64.3	67.9	69.7	70.7	70.4
12.5°	49.1	48.8	18.0	11.0	51.3	67.5	69.3	71.4	75.0	78.5	77.1
15°	103.9	103.6	95.5	99.0	99.7	73.5	75.0	122.7	130.8	136.1	137.9
17.5°	113.1	114.2	111.0	136.8	140.0	111.4	124.8	136.8	139.7	141.4	141.8
20°	210.0	188.8	161.6	153.1	149.2	183.8	139.3	140.7	181.7	194.8	196.2
22.5°	230.9	229.1	214.3	220.6	186.3	191.6	180.3	190.2	208.6	212.5	212.5
25°	298.0	294.9	244.7	229.8	236.5	196.9	227.7	207.2	213.9	221.0	221.7
27.5°	366.3	362.4	326.7	258.5	234.4	248.6	231.2	250.0	270.5	280.4	280.7
30°	398.1	392.8	340.8	291.3	244.0	243.2	242.9	276.5	274.7	281.1	282.8
32.5°	528.9	520.4	435.6	286.4	253.1	231.2	257.7	269.1	309.4	329.2	331.3
35°	560.7	550.1	437.7	316.8	239.0	238.3	239.0	276.1	298.0	312.2	315.4
37.5°	597.2	582.7	432.8	297.0	244.7	222.0	227.3	249.3	297.0	328.8	331.3
40°	642.4	620.1	431.3	277.2	228.0	210.0	209.0	238.3	259.5	279.0	280.7
42.5°	705.0	669.3	429.2	256.7	208.6	195.5	197.3	210.0	227.0	225.2	228.0
45°	788.1	730.4	425.7	238.7	188.8	177.5	176.4	185.6	193.4	182.1	178.9
47.5°	892.0	806.1	431.3	221.3	170.4	159.8	160.2	164.1	165.5	153.1	150.3
50°	1010.1	891.7	437.4	202.2	155.6	147.4	145.7	147.1	145.0	132.9	131.9
52.5°	1150.8	992.1	440.5	184.2	143.5	137.2	135.1	134.0	130.8	122.7	121.6
55°	1313.8	1112.6	447.2	169.7	133.6	127.6	126.6	125.2	124.1	119.5	118.8
57.5°	1480.7	1245.6	443.4	154.9	124.1	118.8	120.9	123.4	126.2	124.5	124.1
60°	1633.8	1351.6	395.3	141.8	114.9	113.5	122.7	134.4	136.5	138.2	137.9
62.5°	1748.3	1405.0	313.6	130.5	108.5	113.8	136.1	152.4	150.3	145.7	144.6
65°	1788.6	1390.2	241.5	122.0	105.4	123.4	150.3	158.7	146.7	138.2	136.5
67.5°	1761.8	1317.0	187.0	114.9	103.6	131.5	155.2	152.7	138.9	132.6	130.1
70°	1624.2	1164.6	148.5	108.9	101.8	126.6	152.7	145.7	132.6	126.9	123.0
72.5°	1329.0	921.0	127.3	102.2	94.4	116.3	145.0	136.1	126.9	119.5	116.0
75°	859.5	566.4	110.7	94.4	84.5	105.4	135.1	126.9	119.1	111.7	108.2
77.5°	413.7	257.4	96.9	84.9	75.3	97.2	126.9	117.4	109.6	102.2	97.9
80°	174.3	121.6	82.7	75.3	68.6	91.2	118.1	107.1	98.3	93.0	88.4
82.5°	84.9	67.2	62.9	61.2	59.8	83.1	108.5	95.1	85.9	81.0	70.7
85°	28.6	29.0	38.9	37.8	42.1	66.5	88.7	72.1	64.3	55.9	52.3
87.5°	2.8	3.9	5.3	6.7	13.8	18.4	30.4	24.7	19.4	7.4	4.9
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)