

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: P414581

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
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-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2390 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

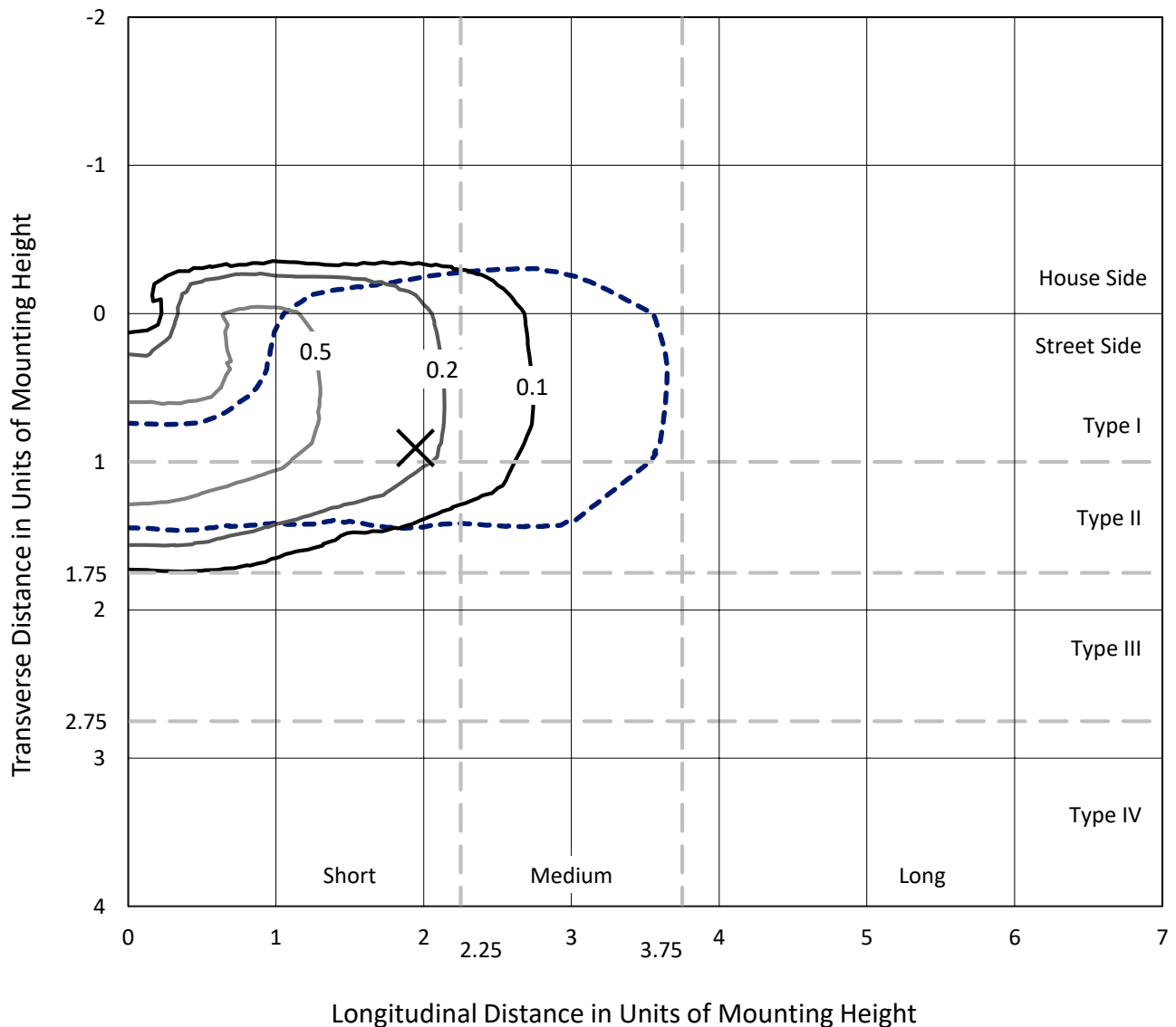
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

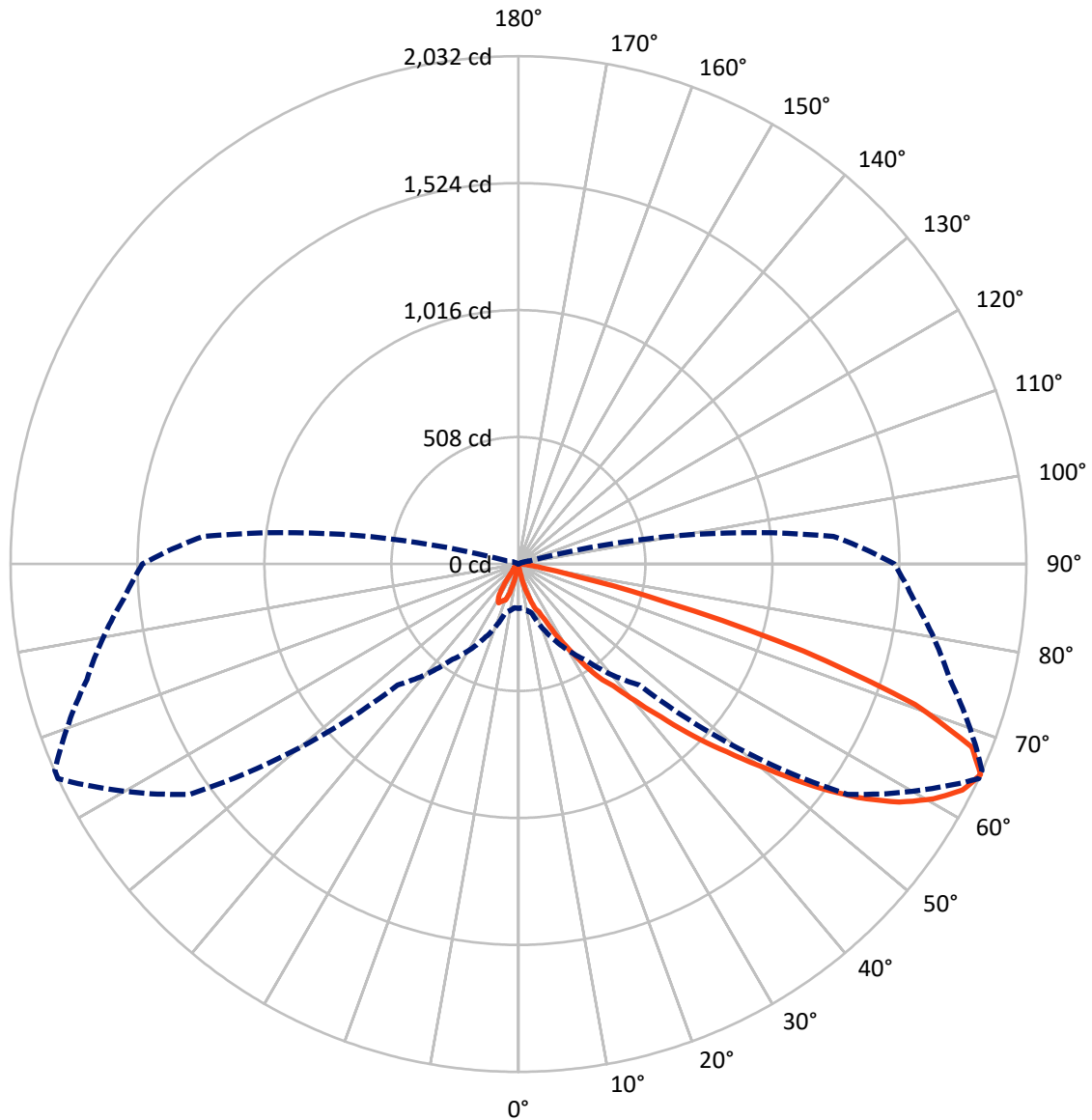
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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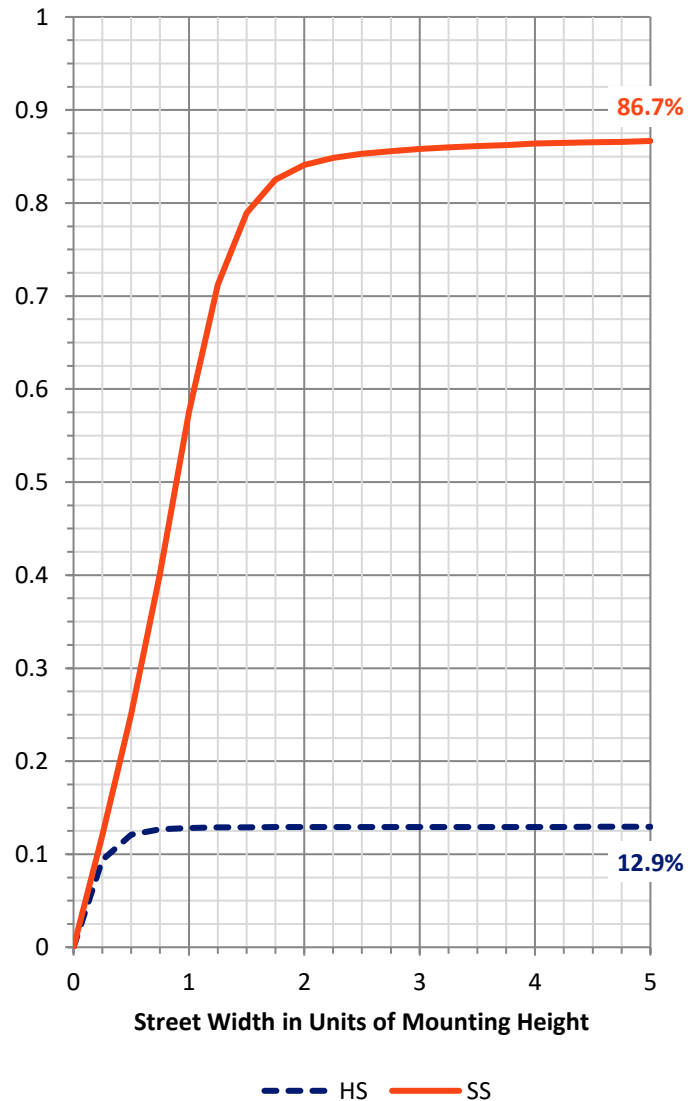
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	313.6	0.0	313.6
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	2076.4	0.0	2076.4
	% Fixture	86.9	0.0	86.9
Total	Lumens	2390.0	0.0	2390.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	24.8	1.0
20°-30°	84.3	3.5
30°-40°	237.1	9.9
40°-50°	526.1	22.0
50°-60°	705.5	29.5
60°-70°	562.1	23.5
70°-80°	231.6	9.7
80°-90°	16.6	0.7
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°	2390.0	100.0
0°-180°	2390.0	100.0



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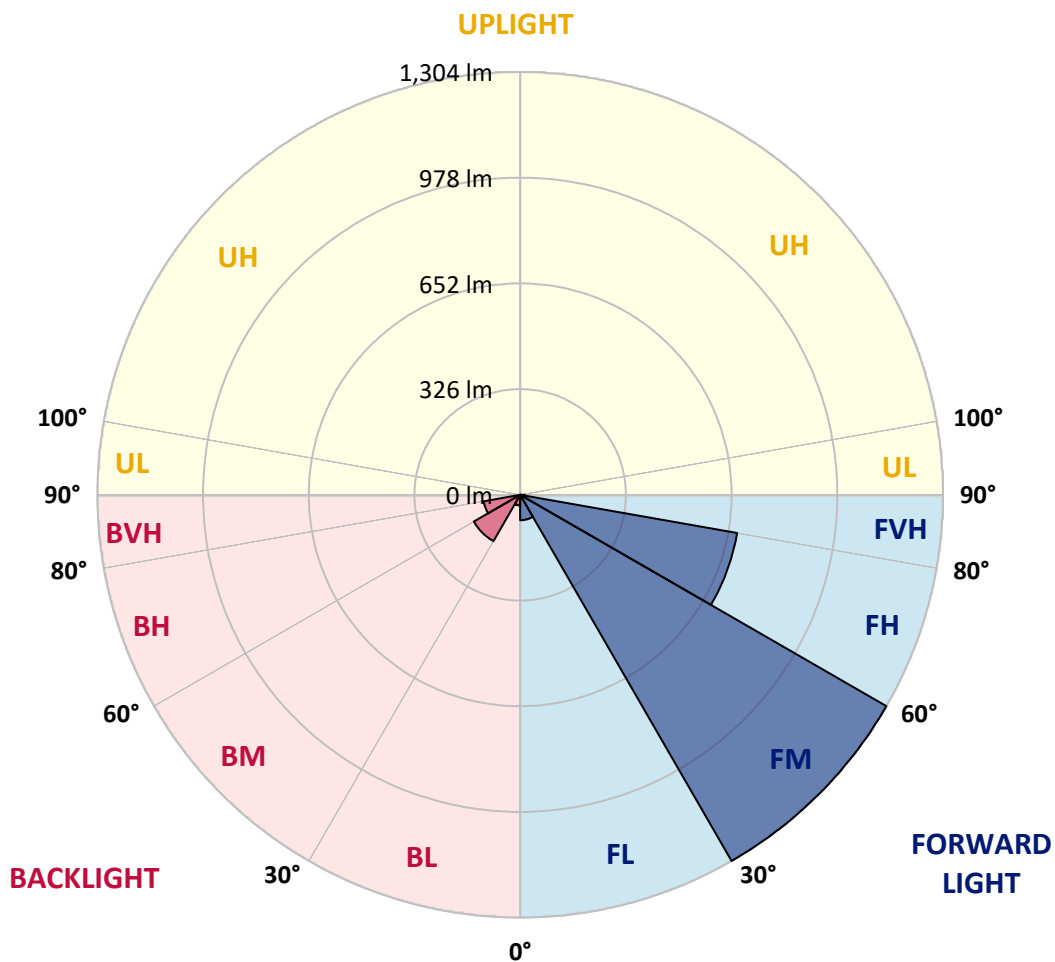
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	78.4	3.3			
FM (30°-60°)	1303.9	54.6			
FH (60°-80°)	679.4	28.4			G1/1800
FVH (80°-90°)	14.7	0.6			G1/100
BL (0°-30°)	32.6	1.4	B0/110		
BM (30°-60°)	164.9	6.9	B0/220		
BH (60°-80°)	114.2	4.8	B1/500		G1/500
BVH (80°-90°)	1.8	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	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°	0.4	0.4	0.4	1.1	1.1	1.1	1.1	0.7	0.7	0.7	0.7
5°	10.3	9.5	7.1	3.9	2.1	1.4	1.1	0.7	0.7	0.7	0.7
7.5°	71.4	71.1	71.1	71.8	72.1	25.8	2.5	1.1	1.1	0.7	0.7
10°	68.6	68.2	68.2	69.3	70.4	70.7	67.9	1.8	1.4	0.7	0.7
12.5°	128.0	125.9	80.3	70.4	68.6	69.3	69.6	60.1	27.9	43.1	53.4
15°	128.3	127.3	128.3	130.1	103.9	72.5	105.7	103.2	103.2	76.0	104.3
17.5°	129.7	128.3	129.0	131.5	127.6	149.9	141.4	146.4	146.4	108.2	115.3
20°	191.6	191.3	194.1	142.1	158.7	186.0	154.1	189.1	192.7	160.9	166.5
22.5°	195.5	195.1	199.7	199.0	194.8	199.7	225.6	207.2	208.2	243.2	219.9
25°	272.2	265.9	215.7	211.8	256.0	237.2	270.5	249.6	247.5	294.1	278.9
27.5°	311.5	308.6	311.8	302.3	271.2	291.0	292.7	321.4	306.9	336.9	343.6
30°	378.6	380.4	364.5	348.6	355.3	337.6	352.1	390.7	388.9	381.8	433.4
32.5°	604.5	586.2	555.0	432.0	404.8	392.1	432.4	475.9	458.2	484.3	536.0
35°	800.0	759.0	707.4	619.7	502.7	468.8	517.9	560.7	549.7	602.4	599.2
37.5°	1126.0	1106.9	1017.5	793.7	677.0	584.7	608.4	618.7	631.4	691.5	690.1
40°	1318.7	1296.8	1233.5	1056.3	854.5	725.4	715.2	720.5	724.7	785.2	789.4
42.5°	1480.6	1470.7	1409.2	1239.5	1074.4	953.5	857.7	836.8	844.6	905.7	897.6
45°	1590.5	1578.9	1523.4	1404.9	1268.1	1205.9	1023.1	982.5	984.6	1018.5	1012.2
47.5°	1614.6	1600.8	1576.0	1510.3	1464.0	1413.4	1230.3	1123.2	1147.2	1149.0	1127.4
50°	1529.0	1512.1	1532.9	1517.4	1588.1	1613.5	1439.9	1287.2	1328.6	1290.7	1231.0
52.5°	1317.3	1322.6	1386.9	1433.9	1592.7	1753.5	1665.1	1475.3	1503.2	1407.8	1328.9
55°	1046.1	1059.2	1165.6	1251.9	1484.5	1792.8	1828.1	1649.6	1660.5	1532.2	1408.1
57.5°	770.3	788.0	918.8	1015.0	1274.8	1708.3	1908.0	1797.7	1819.3	1622.0	1463.3
60°	474.1	490.3	638.5	784.8	978.6	1465.4	1918.6	1908.7	1933.5	1685.3	1518.8
62.5°	288.8	302.6	367.3	545.1	703.2	1107.6	1830.2	1993.9	2006.3	1749.3	1558.7
65°	177.8	175.4	201.5	331.3	469.1	684.8	1606.8	2032.4	2031.0	1787.8	1585.6
67.5°	117.7	119.8	129.7	182.1	319.6	370.1	1152.2	1956.8	1949.7	1806.5	1575.0
70°	104.3	105.0	114.9	129.0	230.1	215.7	581.6	1684.6	1674.7	1756.0	1508.9
72.5°	81.7	84.1	100.4	117.0	166.2	158.0	219.2	1193.2	1205.9	1492.6	1327.9
75°	58.0	59.7	76.0	102.2	124.1	120.9	123.7	615.1	652.6	990.9	972.9
77.5°	36.4	37.8	49.1	75.7	105.4	89.1	86.6	241.5	270.5	484.7	486.8
80°	25.1	25.5	30.4	50.9	75.7	73.2	58.7	96.5	97.6	175.7	168.6
82.5°	14.8	14.8	20.2	31.5	46.3	59.7	37.8	48.4	50.2	65.0	37.1
85°	5.3	5.7	11.0	18.0	25.8	31.5	22.6	26.5	27.6	33.6	17.7
87.5°	0.4	0.7	3.5	5.7	7.1	6.4	7.4	8.1	9.2	11.0	6.4
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°	0.7	0.7	1.1	1.1	1.1	0.7	0.4	0.4	0.4	0.4	0.4
5°	0.7	0.7	1.1	1.1	1.1	0.7	0.4	0.4	0.4	0.4	0.4
7.5°	0.7	0.7	1.1	1.1	1.1	0.7	9.9	55.2	57.6	59.4	59.7
10°	2.1	1.4	1.1	1.1	1.1	57.3	59.4	58.0	56.9	55.9	56.2
12.5°	54.1	54.1	49.1	31.8	53.4	58.7	55.5	52.0	49.1	46.0	46.3
15°	103.9	103.2	91.2	78.5	89.8	57.6	47.7	63.3	54.1	47.7	46.7
17.5°	115.6	112.1	97.9	125.1	111.4	65.8	55.2	37.5	26.9	24.4	24.0
20°	166.5	161.9	142.8	151.7	101.8	76.0	33.2	21.2	19.1	23.0	23.7
22.5°	214.2	207.9	178.5	157.0	114.5	46.7	23.3	23.3	23.0	22.3	21.9
25°	275.4	264.1	239.3	164.4	90.9	30.8	25.5	20.9	18.7	17.3	17.3
27.5°	338.3	323.1	274.3	175.0	59.7	28.6	22.6	17.7	18.7	18.0	18.0
30°	430.2	409.4	319.6	163.7	38.9	26.5	19.1	17.3	15.2	14.5	14.1
32.5°	525.3	487.2	364.1	142.5	30.8	22.6	17.7	14.1	13.8	14.1	14.1
35°	586.2	550.4	412.2	103.6	26.9	19.8	14.5	13.1	12.0	11.7	11.7
37.5°	659.0	614.8	416.5	67.2	23.3	16.3	12.4	11.0	11.0	11.3	11.3
40°	746.3	697.9	399.5	41.4	20.2	13.4	10.6	9.9	9.5	9.5	9.5
42.5°	844.2	783.1	375.8	31.1	17.0	11.3	8.8	8.5	8.1	8.1	8.1
45°	948.9	869.0	343.3	25.8	14.1	9.5	7.4	7.1	7.1	6.7	6.7
47.5°	1057.4	960.9	294.1	22.6	11.7	7.8	6.4	6.0	5.7	5.7	5.7
50°	1150.4	1045.0	234.0	19.4	9.9	6.7	4.9	4.6	4.6	4.2	4.2
52.5°	1234.9	1116.4	185.6	16.6	8.1	5.3	3.9	3.5	3.5	3.2	3.2
55°	1299.9	1169.5	138.6	13.8	6.7	4.2	2.8	2.5	2.5	2.1	2.5
57.5°	1354.7	1202.0	105.0	11.3	5.7	3.2	2.1	1.8	1.4	1.4	1.4
60°	1406.7	1228.2	77.4	8.8	4.6	2.5	1.4	1.1	0.7	0.7	0.7
62.5°	1462.6	1251.5	61.2	7.1	3.9	1.8	0.7	0.7	0.0	0.0	0.0
65°	1504.6	1266.0	47.4	5.7	3.2	1.1	0.7	0.4	0.0	0.0	0.0
67.5°	1506.0	1247.6	37.1	4.6	2.8	1.1	0.4	0.0	0.0	0.0	0.0
70°	1452.0	1169.5	27.6	4.2	2.5	1.1	0.7	0.4	0.0	0.0	0.0
72.5°	1258.2	918.1	19.8	3.5	2.1	1.1	0.7	0.4	0.4	0.0	0.0
75°	910.0	542.7	13.8	3.2	2.1	1.1	1.1	0.7	0.7	0.7	0.0
77.5°	466.7	225.6	9.2	2.8	1.8	0.7	1.4	1.1	1.1	1.1	0.4
80°	136.8	77.8	5.7	2.5	1.8	0.7	1.4	1.4	1.4	1.4	0.4
82.5°	26.2	15.2	3.5	2.5	1.8	0.7	1.4	1.4	1.4	1.8	0.0
85°	10.3	6.0	2.5	2.1	1.8	0.7	1.4	1.4	1.8	1.8	0.0
87.5°	3.5	2.8	2.1	1.8	1.8	0.7	1.4	1.4	1.4	1.8	0.4
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)