

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: P414997

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414997
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-PA1-40-727-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA 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: 3095 lumens
Efficiency: N/A
Efficacy: 77.4 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): 40
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

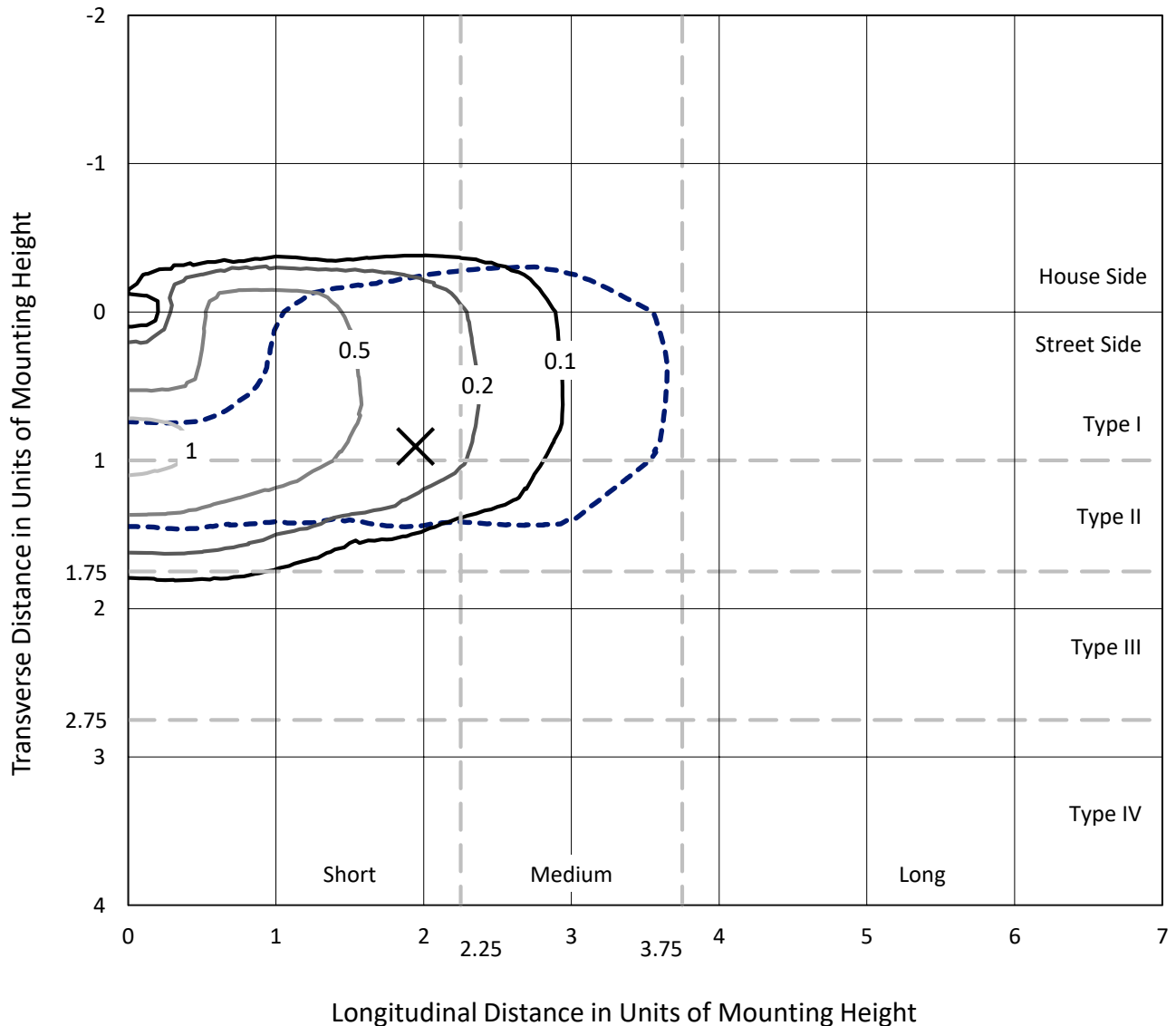


REPORT NUMBER: P414997

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

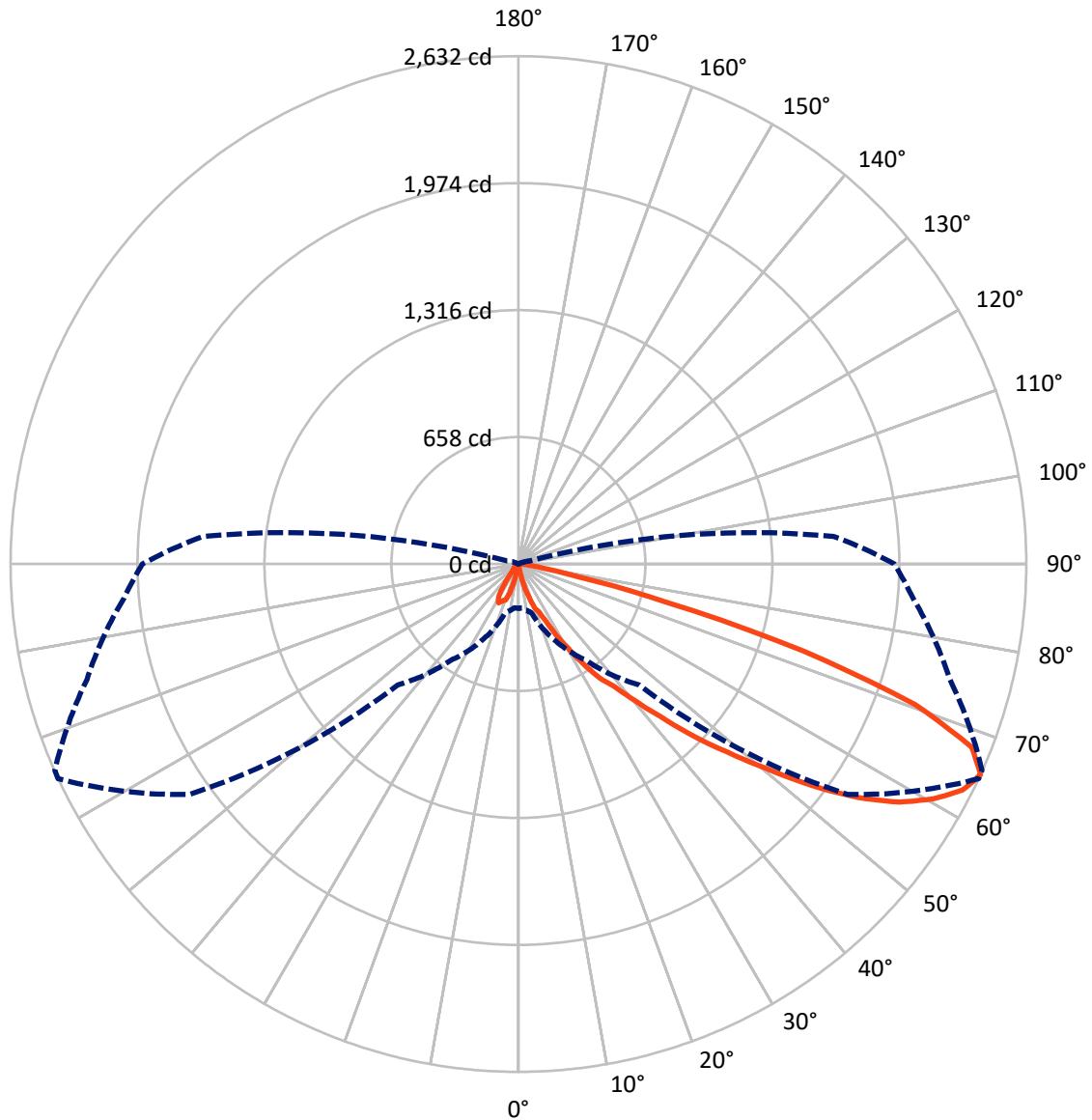
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P414997
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2U-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414997

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2U-HSS

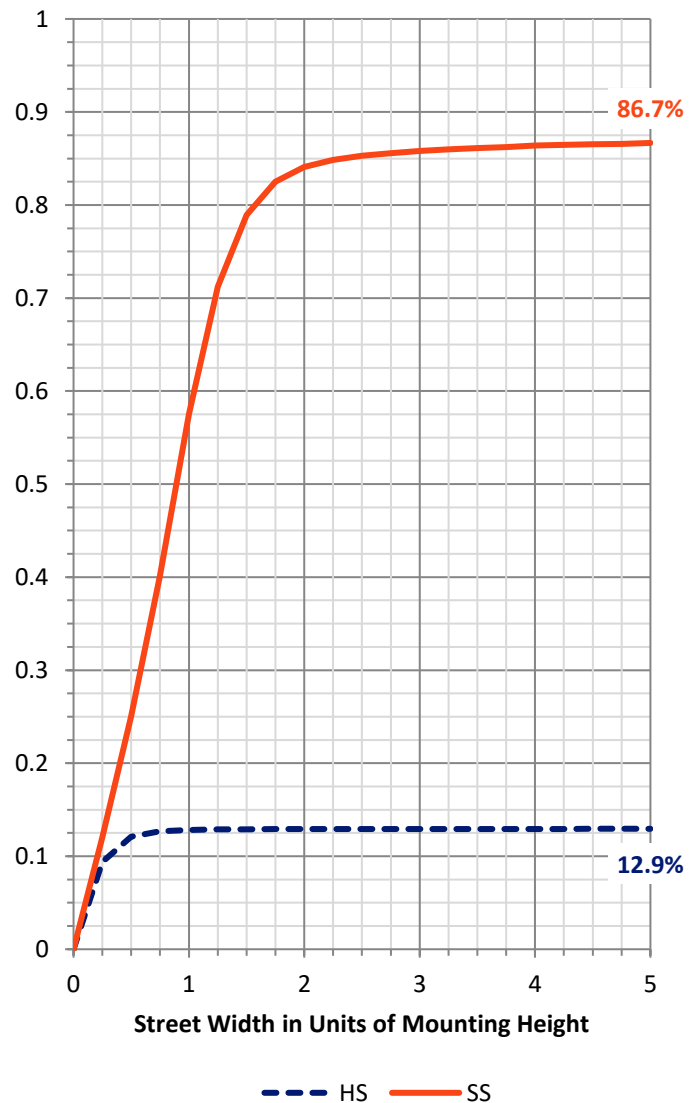
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	406.1	0.0	406.1
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	2688.9	0.0	2688.9
	% Fixture	86.9	0.0	86.9
Total	Lumens	3095.0	0.0	3095.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	32.2	1.0
20°-30°	109.2	3.5
30°-40°	307.1	9.9
40°-50°	681.4	22.0
50°-60°	913.6	29.5
60°-70°	727.9	23.5
70°-80°	299.9	9.7
80°-90°	21.5	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°	3095.0	100.0
0°-180°	3095.0	100.0



REPORT NUMBER: P414997

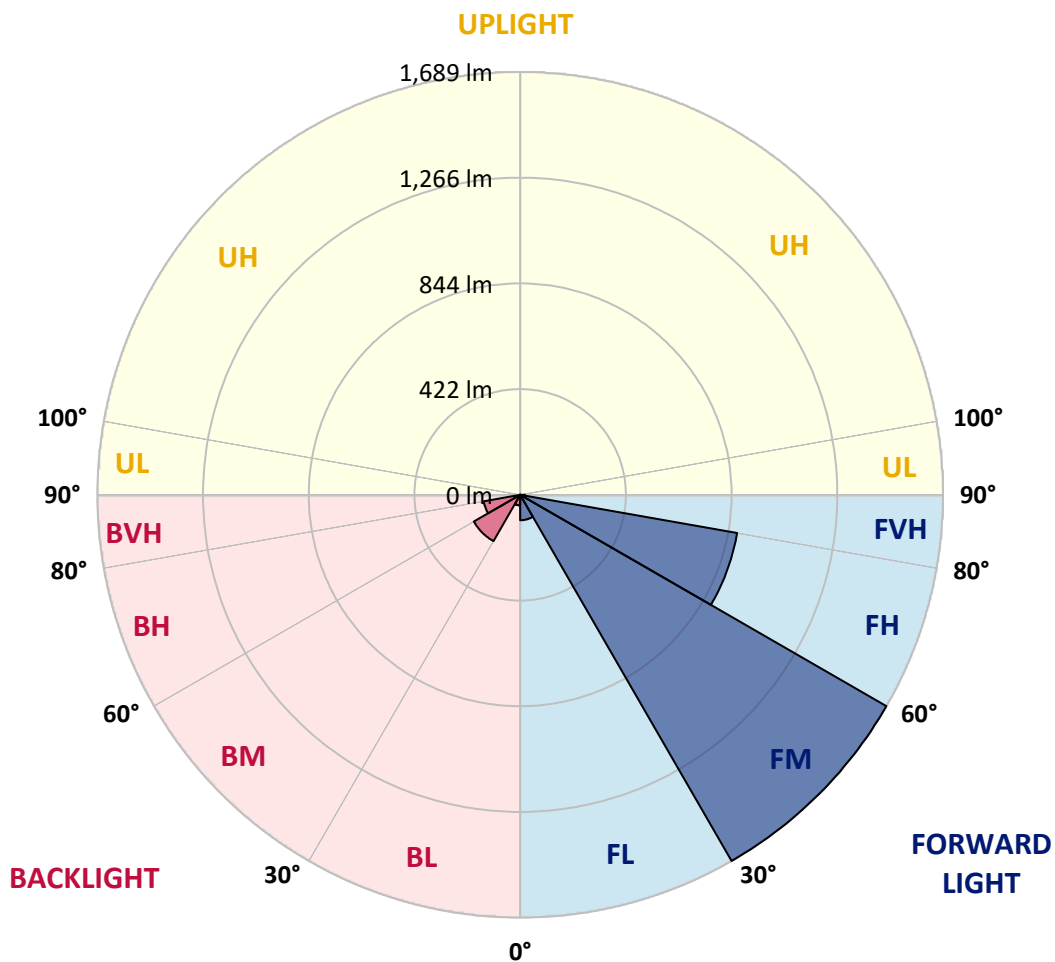
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	101.5	3.3			
FM (30°-60°)	1688.5	54.6			
FH (60°-80°)	879.8	28.4			G1/1800
FVH (80°-90°)	19.1	0.6			G1/100
BL (0°-30°)	42.2	1.4	B0/110		
BM (30°-60°)	213.6	6.9	B0/220		
BH (60°-80°)	147.9	4.8	B1/500		G1/500
BVH (80°-90°)	2.4	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





REPORT NUMBER: P414997

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.5	0.5	0.5	1.4	1.4	1.4	1.4	0.9	0.9	0.9	0.9
5°	13.3	12.4	9.2	5.0	2.7	1.8	1.4	0.9	0.9	0.9	0.9
7.5°	92.5	92.0	92.0	92.9	93.4	33.4	3.2	1.4	1.4	0.9	0.9
10°	88.8	88.4	88.4	89.7	91.1	91.6	87.9	2.3	1.8	0.9	0.9
12.5°	165.7	163.0	103.9	91.1	88.8	89.7	90.2	77.8	36.2	55.9	69.1
15°	166.2	164.8	166.2	168.5	134.6	93.9	136.9	133.7	133.7	98.4	135.1
17.5°	168.0	166.2	167.1	170.3	165.3	194.1	183.1	189.5	189.5	140.1	149.2
20°	248.1	247.7	251.3	184.0	205.6	240.8	199.6	244.9	249.5	208.3	215.6
22.5°	253.2	252.7	258.7	257.7	252.3	258.7	292.1	268.3	269.7	315.0	284.8
25°	352.5	344.3	279.3	274.2	331.5	307.2	350.2	323.2	320.5	380.9	361.2
27.5°	403.3	399.7	403.8	391.4	351.1	376.8	379.1	416.2	397.4	436.3	445.0
30°	490.3	492.6	472.0	451.4	460.1	437.2	456.0	505.9	503.6	494.4	561.3
32.5°	782.9	759.1	718.8	559.4	524.2	507.7	559.9	616.2	593.3	627.2	694.0
35°	1036.0	982.9	916.1	802.5	651.0	607.1	670.7	726.1	711.9	780.1	776.0
37.5°	1458.1	1433.4	1317.6	1027.8	876.7	757.2	787.9	801.2	817.7	895.5	893.7
40°	1707.6	1679.3	1597.3	1368.0	1106.5	939.4	926.2	933.0	938.5	1016.8	1022.3
42.5°	1917.3	1904.5	1824.8	1605.1	1391.3	1234.7	1110.7	1083.6	1093.7	1172.9	1162.4
45°	2059.7	2044.6	1972.7	1819.4	1642.2	1561.6	1324.9	1272.3	1275.0	1319.0	1310.7
47.5°	2090.8	2073.0	2040.9	1955.8	1895.8	1830.3	1593.2	1454.5	1485.6	1487.9	1460.0
50°	1980.0	1958.1	1985.1	1964.9	2056.5	2089.5	1864.7	1666.9	1720.5	1671.5	1594.1
52.5°	1705.8	1712.7	1796.0	1856.9	2062.5	2270.8	2156.3	1910.5	1946.6	1823.0	1720.9
55°	1354.7	1371.6	1509.4	1621.1	1922.4	2321.6	2367.4	2136.2	2150.4	1984.2	1823.5
57.5°	997.6	1020.5	1189.9	1314.4	1650.9	2212.2	2470.8	2328.0	2355.9	2100.5	1894.9
60°	613.9	635.0	826.8	1016.3	1267.2	1897.6	2484.6	2471.7	2503.8	2182.4	1966.8
62.5°	374.0	391.9	475.7	706.0	910.6	1434.3	2370.1	2582.1	2598.1	2265.3	2018.5
65°	230.3	227.1	261.0	429.0	607.5	886.8	2080.8	2632.0	2630.1	2315.2	2053.3
67.5°	152.5	155.2	168.0	235.8	413.9	479.3	1492.0	2534.0	2524.8	2339.4	2039.6
70°	135.1	136.0	148.8	167.1	298.0	279.3	753.1	2181.5	2168.7	2274.0	1954.0
72.5°	105.8	109.0	130.0	151.5	215.2	204.6	283.8	1545.1	1561.6	1932.9	1719.6
75°	75.1	77.4	98.4	132.3	160.7	156.6	160.2	796.6	845.1	1283.3	1259.9
77.5°	47.2	49.0	63.6	98.0	136.4	115.4	112.2	312.7	350.2	627.7	630.4
80°	32.5	33.0	39.4	65.9	98.0	94.8	76.0	125.0	126.4	227.5	218.4
82.5°	19.2	19.2	26.1	40.7	60.0	77.4	49.0	62.7	65.0	84.2	48.1
85°	6.9	7.3	14.2	23.3	33.4	40.7	29.3	34.3	35.7	43.5	22.9
87.5°	0.5	0.9	4.6	7.3	9.2	8.2	9.6	10.5	11.9	14.2	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P414997

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.9	0.9	1.4	1.4	1.4	0.9	0.5	0.5	0.5	0.5	0.5
5°	0.9	0.9	1.4	1.4	1.4	0.9	0.5	0.5	0.5	0.5	0.5
7.5°	0.9	0.9	1.4	1.4	1.4	0.9	12.8	71.4	74.6	76.9	77.4
10°	2.7	1.8	1.4	1.4	1.4	74.2	76.9	75.1	73.7	72.3	72.8
12.5°	70.0	70.0	63.6	41.2	69.1	76.0	71.9	67.3	63.6	59.5	60.0
15°	134.6	133.7	118.1	101.6	116.3	74.6	61.8	81.9	70.0	61.8	60.4
17.5°	149.7	145.1	126.8	162.1	144.2	85.2	71.4	48.5	34.8	31.6	31.1
20°	215.6	209.7	185.0	196.4	131.9	98.4	43.0	27.5	24.7	29.8	30.7
22.5°	277.4	269.2	231.2	203.3	148.3	60.4	30.2	30.2	29.8	28.8	28.4
25°	356.6	342.0	309.9	212.9	117.7	39.8	33.0	27.0	24.3	22.4	22.4
27.5°	438.1	418.4	355.3	226.6	77.4	37.1	29.3	22.9	24.3	23.3	23.3
30°	557.2	530.1	413.9	212.0	50.4	34.3	24.7	22.4	19.7	18.8	18.3
32.5°	680.3	630.9	471.5	184.5	39.8	29.3	22.9	18.3	17.9	18.3	18.3
35°	759.1	712.8	533.8	134.1	34.8	25.6	18.8	16.9	15.6	15.1	15.1
37.5°	853.4	796.1	539.3	87.0	30.2	21.1	16.0	14.2	14.2	14.7	14.7
40°	966.4	903.7	517.3	53.6	26.1	17.4	13.7	12.8	12.4	12.4	12.4
42.5°	1093.3	1014.1	486.7	40.3	22.0	14.7	11.4	11.0	10.5	10.5	10.5
45°	1228.8	1125.3	444.5	33.4	18.3	12.4	9.6	9.2	9.2	8.7	8.7
47.5°	1369.3	1244.3	380.9	29.3	15.1	10.1	8.2	7.8	7.3	7.3	7.3
50°	1489.7	1353.3	303.1	25.2	12.8	8.7	6.4	6.0	6.0	5.5	5.5
52.5°	1599.1	1445.8	240.4	21.5	10.5	6.9	5.0	4.6	4.6	4.1	4.1
55°	1683.4	1514.5	179.5	17.9	8.7	5.5	3.7	3.2	3.2	2.7	3.2
57.5°	1754.3	1556.6	136.0	14.7	7.3	4.1	2.7	2.3	1.8	1.8	1.8
60°	1821.6	1590.4	100.3	11.4	6.0	3.2	1.8	1.4	0.9	0.9	0.9
62.5°	1894.0	1620.7	79.2	9.2	5.0	2.3	0.9	0.9	0.0	0.0	0.0
65°	1948.5	1639.4	61.3	7.3	4.1	1.4	0.9	0.5	0.0	0.0	0.0
67.5°	1950.3	1615.6	48.1	6.0	3.7	1.4	0.5	0.0	0.0	0.0	0.0
70°	1880.2	1514.5	35.7	5.5	3.2	1.4	0.9	0.5	0.0	0.0	0.0
72.5°	1629.4	1188.9	25.6	4.6	2.7	1.4	0.9	0.5	0.5	0.0	0.0
75°	1178.4	702.7	17.9	4.1	2.7	1.4	1.4	0.9	0.9	0.9	0.0
77.5°	604.3	292.1	11.9	3.7	2.3	0.9	1.8	1.4	1.4	1.4	0.5
80°	177.2	100.7	7.3	3.2	2.3	0.9	1.8	1.8	1.8	1.8	0.5
82.5°	33.9	19.7	4.6	3.2	2.3	0.9	1.8	1.8	1.8	2.3	0.0
85°	13.3	7.8	3.2	2.7	2.3	0.9	1.8	1.8	2.3	2.3	0.0
87.5°	4.6	3.7	2.7	2.3	2.3	0.9	1.8	1.8	1.8	2.3	0.5
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)