

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: P415673

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415673
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-PA1-50-827-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA 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: 3509 lumens
Efficiency: N/A
Efficacy: 65.0 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

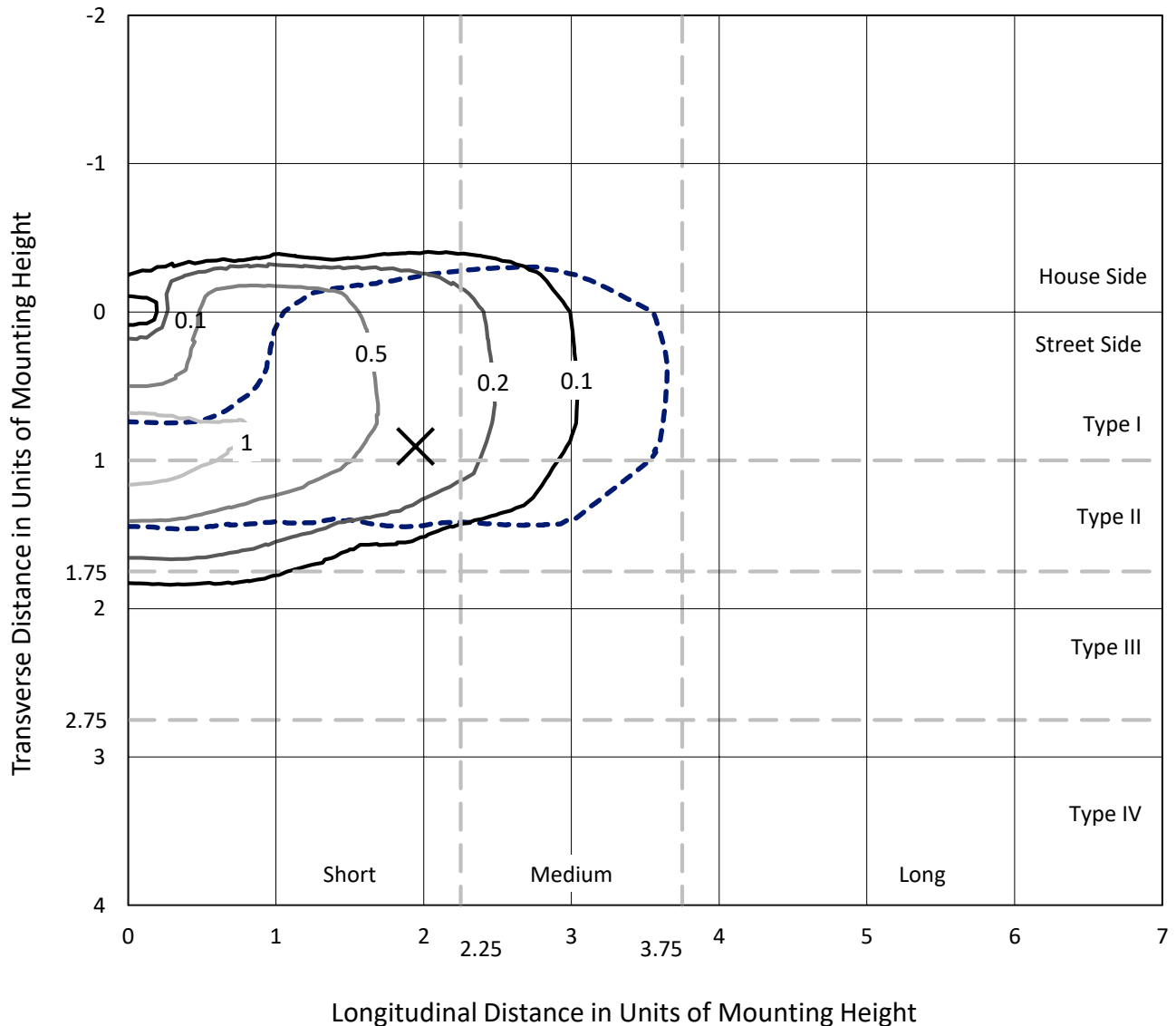
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

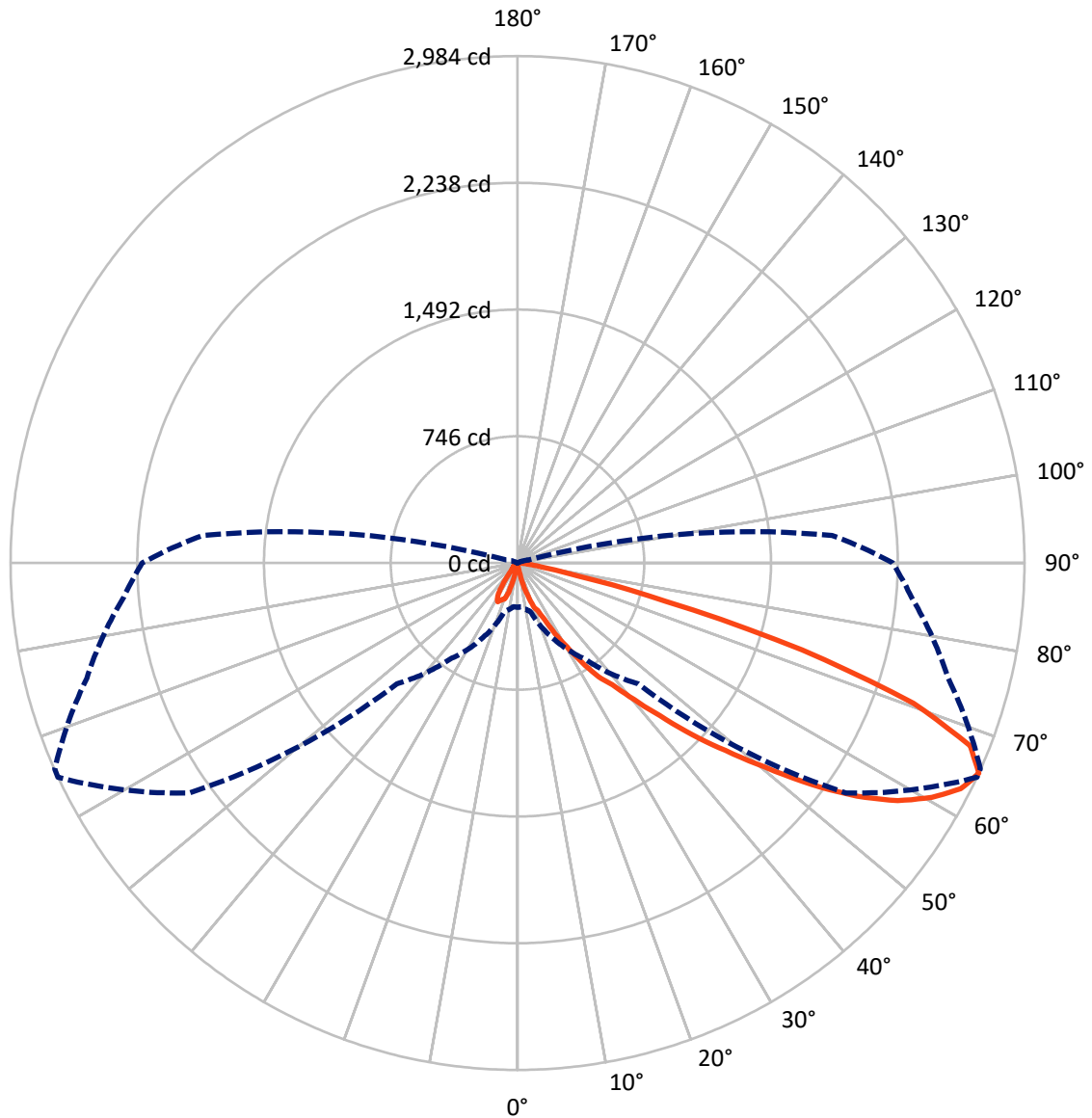
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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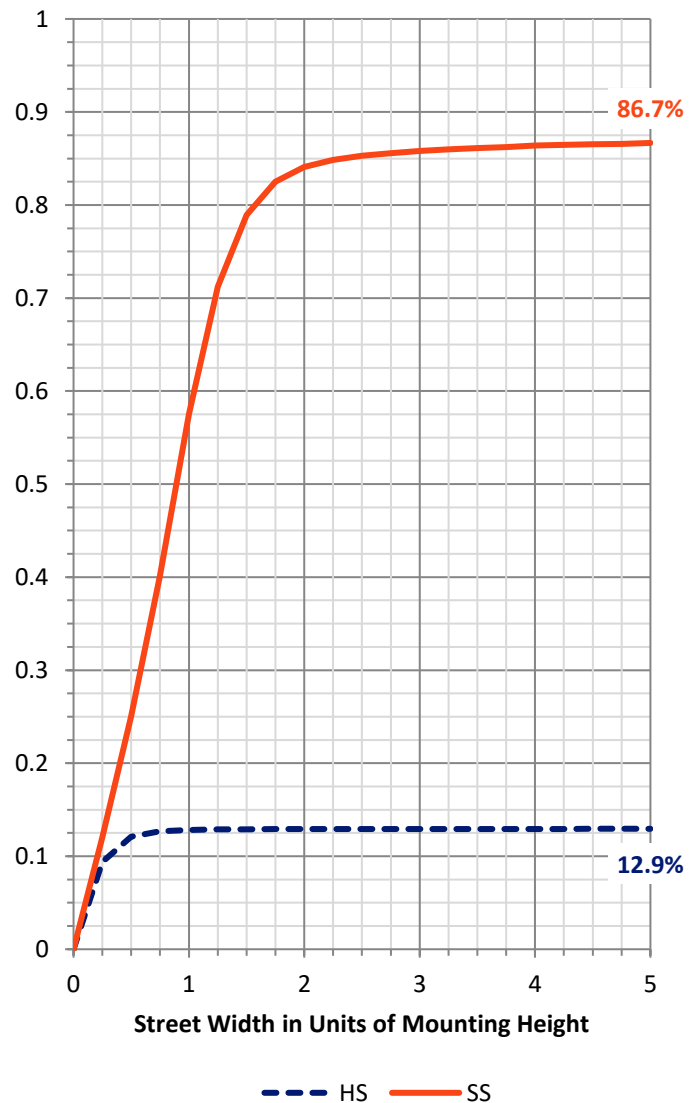
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	460.4	0.0	460.4
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	3048.6	0.0	3048.6
	% Fixture	86.9	0.0	86.9
Total	Lumens	3509.0	0.0	3509.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	36.5	1.0
20°-30°	123.8	3.5
30°-40°	348.2	9.9
40°-50°	772.5	22.0
50°-60°	1035.8	29.5
60°-70°	825.2	23.5
70°-80°	340.0	9.7
80°-90°	24.3	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°	3509.0	100.0
0°-180°	3509.0	100.0



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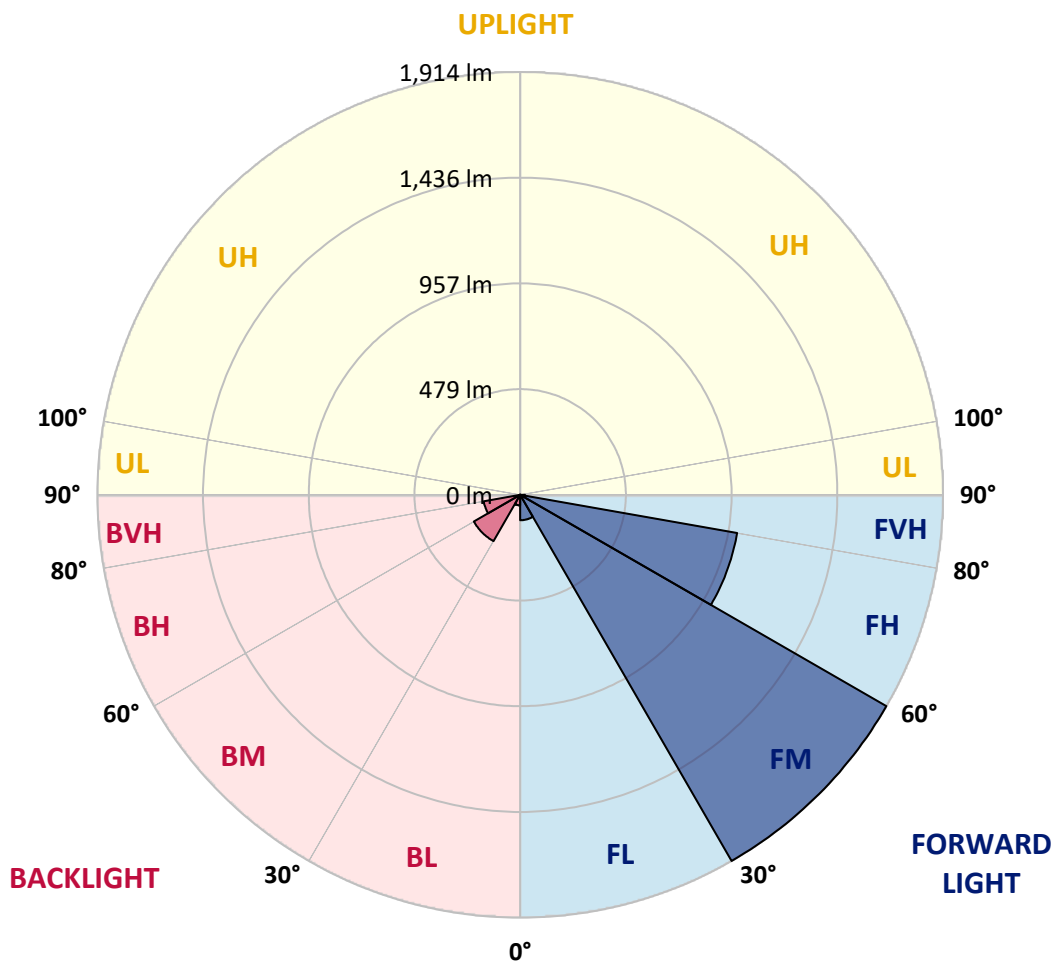
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	115.1	3.3			
FM	(30°-60°)	1914.4	54.6			
FH	(60°-80°)	997.5	28.4			G1/1800
FVH	(80°-90°)	21.6	0.6			G1/100
BL	(0°-30°)	47.9	1.4	B0/110		
BM	(30°-60°)	242.1	6.9	B1/1000		
BH	(60°-80°)	167.7	4.8	B1/500		G1/500
BVH	(80°-90°)	2.7	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	0.5	0.5	0.5	1.6	1.6	1.6	1.6	1.0	1.0	1.0	1.0
5°	15.1	14.0	10.4	5.7	3.1	2.1	1.6	1.0	1.0	1.0	1.0
7.5°	104.8	104.3	104.3	105.4	105.9	37.9	3.6	1.6	1.6	1.0	1.0
10°	100.7	100.2	100.2	101.7	103.3	103.8	99.7	2.6	2.1	1.0	1.0
12.5°	187.9	184.8	117.8	103.3	100.7	101.7	102.3	88.2	41.0	63.3	78.4
15°	188.4	186.9	188.4	191.0	152.6	106.4	155.2	151.6	151.6	111.6	153.1
17.5°	190.5	188.4	189.5	193.1	187.4	220.1	207.6	214.9	214.9	158.8	169.2
20°	281.3	280.8	285.0	208.7	233.1	273.0	226.3	277.7	282.9	236.2	244.5
22.5°	287.0	286.5	293.3	292.2	286.0	293.3	331.2	304.2	305.7	357.1	322.9
25°	399.7	390.3	316.6	310.9	375.8	348.3	397.1	366.5	363.3	431.9	409.5
27.5°	457.3	453.1	457.8	443.8	398.1	427.2	429.8	471.8	450.5	494.7	504.5
30°	555.9	558.5	535.1	511.8	521.6	495.7	517.0	573.6	571.0	560.6	636.4
32.5°	887.6	860.6	814.9	634.3	594.3	575.6	634.8	698.6	672.7	711.1	786.9
35°	1174.6	1114.4	1038.6	909.9	738.1	688.3	760.4	823.2	807.1	884.5	879.8
37.5°	1653.2	1625.2	1493.8	1165.3	994.0	858.5	893.3	908.3	927.0	1015.3	1013.2
40°	1936.1	1903.9	1811.0	1550.9	1254.6	1065.1	1050.0	1057.8	1064.1	1152.8	1159.0
42.5°	2173.8	2159.3	2068.9	1819.8	1577.4	1399.9	1259.2	1228.6	1240.0	1329.8	1317.9
45°	2335.2	2318.1	2236.6	2062.7	1861.8	1770.5	1502.1	1442.5	1445.6	1495.4	1486.1
47.5°	2370.5	2350.3	2313.9	2217.4	2149.4	2075.2	1806.3	1649.0	1684.3	1686.9	1655.3
50°	2244.9	2220.0	2250.6	2227.8	2331.6	2369.0	2114.1	1889.9	1950.6	1895.1	1807.3
52.5°	1934.0	1941.8	2036.2	2105.3	2338.3	2574.5	2444.7	2166.0	2207.0	2066.9	1951.1
55°	1535.9	1555.1	1711.3	1838.0	2179.5	2632.1	2684.0	2421.9	2438.0	2249.6	2067.4
57.5°	1131.0	1157.0	1349.0	1490.2	1871.7	2508.1	2801.3	2639.4	2671.1	2381.4	2148.4
60°	696.1	719.9	937.4	1152.3	1436.7	2151.5	2816.9	2802.4	2838.7	2474.3	2229.9
62.5°	424.1	444.3	539.3	800.4	1032.4	1626.2	2687.1	2927.5	2945.6	2568.3	2288.5
65°	261.1	257.5	295.9	486.4	688.8	1005.4	2359.1	2984.0	2982.0	2624.9	2328.0
67.5°	172.8	176.0	190.5	267.3	469.2	543.4	1691.6	2873.0	2862.6	2652.4	2312.4
70°	153.1	154.2	168.7	189.5	337.9	316.6	853.8	2473.3	2458.8	2578.1	2215.3
72.5°	119.9	123.5	147.4	171.8	244.0	232.0	321.8	1751.8	1770.5	2191.4	1949.6
75°	85.1	87.7	111.6	150.0	182.2	177.5	181.7	903.2	958.2	1454.9	1428.4
77.5°	53.5	55.5	72.1	111.1	154.7	130.8	127.2	354.5	397.1	711.6	714.7
80°	36.9	37.4	44.6	74.7	111.1	107.4	86.2	141.7	143.3	258.0	247.6
82.5°	21.8	21.8	29.6	46.2	68.0	87.7	55.5	71.1	73.7	95.5	54.5
85°	7.8	8.3	16.1	26.5	37.9	46.2	33.2	38.9	40.5	49.3	26.0
87.5°	0.5	1.0	5.2	8.3	10.4	9.3	10.9	11.9	13.5	16.1	9.3
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	1.6	1.6	1.6	1.0	0.5	0.5	0.5	0.5	0.5
5°	1.0	1.0	1.6	1.6	1.6	1.0	0.5	0.5	0.5	0.5	0.5
7.5°	1.0	1.0	1.6	1.6	1.6	1.0	14.5	81.0	84.6	87.2	87.7
10°	3.1	2.1	1.6	1.6	1.6	84.1	87.2	85.1	83.6	82.0	82.5
12.5°	79.4	79.4	72.1	46.7	78.4	86.2	81.5	76.3	72.1	67.5	68.0
15°	152.6	151.6	133.9	115.2	131.8	84.6	70.1	92.9	79.4	70.1	68.5
17.5°	169.7	164.5	143.8	183.7	163.5	96.5	81.0	55.0	39.4	35.8	35.3
20°	244.5	237.7	209.7	222.7	149.5	111.6	48.8	31.1	28.0	33.7	34.8
22.5°	314.5	305.2	262.1	230.5	168.2	68.5	34.3	34.3	33.7	32.7	32.2
25°	404.3	387.7	351.4	241.4	133.4	45.2	37.4	30.6	27.5	25.4	25.4
27.5°	496.7	474.4	402.8	256.9	87.7	42.0	33.2	26.0	27.5	26.5	26.5
30°	631.7	601.1	469.2	240.3	57.1	38.9	28.0	25.4	22.3	21.3	20.8
32.5°	771.3	715.3	534.6	209.2	45.2	33.2	26.0	20.8	20.2	20.8	20.8
35°	860.6	808.2	605.2	152.1	39.4	29.1	21.3	19.2	17.6	17.1	17.1
37.5°	967.5	902.6	611.4	98.6	34.3	23.9	18.2	16.1	16.1	16.6	16.6
40°	1095.7	1024.6	586.5	60.7	29.6	19.7	15.6	14.5	14.0	14.0	14.0
42.5°	1239.5	1149.7	551.8	45.7	24.9	16.6	13.0	12.5	11.9	11.9	11.9
45°	1393.1	1275.8	504.0	37.9	20.8	14.0	10.9	10.4	10.4	9.9	9.9
47.5°	1552.5	1410.8	431.9	33.2	17.1	11.4	9.3	8.8	8.3	8.3	8.3
50°	1689.0	1534.3	343.6	28.5	14.5	9.9	7.3	6.7	6.7	6.2	6.2
52.5°	1813.1	1639.2	272.5	24.4	11.9	7.8	5.7	5.2	5.2	4.7	4.7
55°	1908.6	1717.0	203.5	20.2	9.9	6.2	4.2	3.6	3.6	3.1	3.6
57.5°	1989.0	1764.8	154.2	16.6	8.3	4.7	3.1	2.6	2.1	2.1	2.1
60°	2065.3	1803.2	113.7	13.0	6.7	3.6	2.1	1.6	1.0	1.0	1.0
62.5°	2147.3	1837.5	89.8	10.4	5.7	2.6	1.0	1.0	0.0	0.0	0.0
65°	2209.1	1858.7	69.6	8.3	4.7	1.6	1.0	0.5	0.0	0.0	0.0
67.5°	2211.2	1831.7	54.5	6.7	4.2	1.6	0.5	0.0	0.0	0.0	0.0
70°	2131.8	1717.0	40.5	6.2	3.6	1.6	1.0	0.5	0.0	0.0	0.0
72.5°	1847.3	1348.0	29.1	5.2	3.1	1.6	1.0	0.5	0.5	0.0	0.0
75°	1336.0	796.7	20.2	4.7	3.1	1.6	1.6	1.0	1.0	1.0	0.0
77.5°	685.2	331.2	13.5	4.2	2.6	1.0	2.1	1.6	1.6	1.6	0.5
80°	200.9	114.2	8.3	3.6	2.6	1.0	2.1	2.1	2.1	2.1	0.5
82.5°	38.4	22.3	5.2	3.6	2.6	1.0	2.1	2.1	2.1	2.6	0.0
85°	15.1	8.8	3.6	3.1	2.6	1.0	2.1	2.1	2.6	2.6	0.0
87.5°	5.2	4.2	3.1	2.6	2.6	1.0	2.1	2.1	2.1	2.6	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)