

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: P415300

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415300
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-PA1-40-830-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA 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: 3158 lumens
Efficiency: N/A
Efficacy: 78.9 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

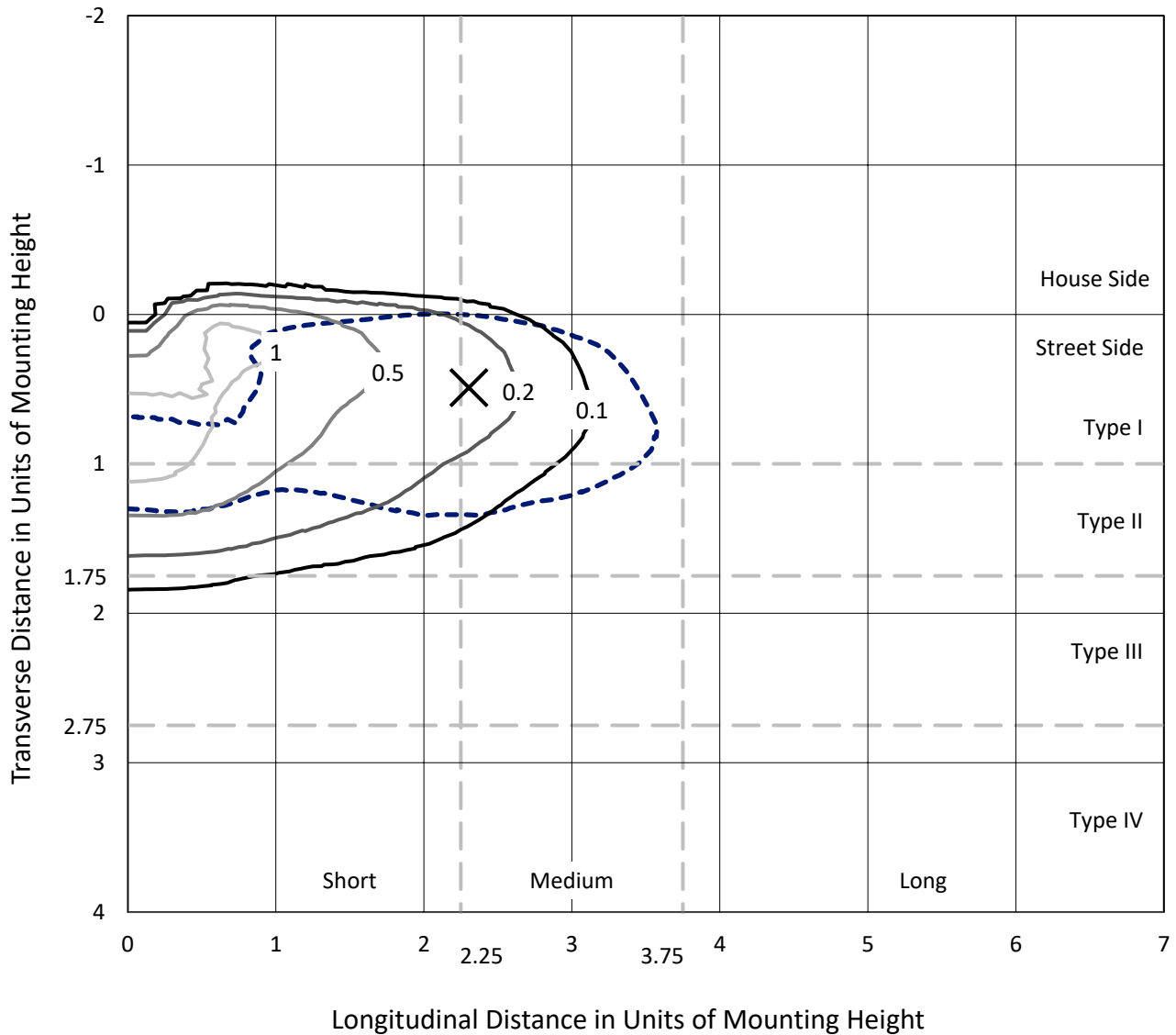
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

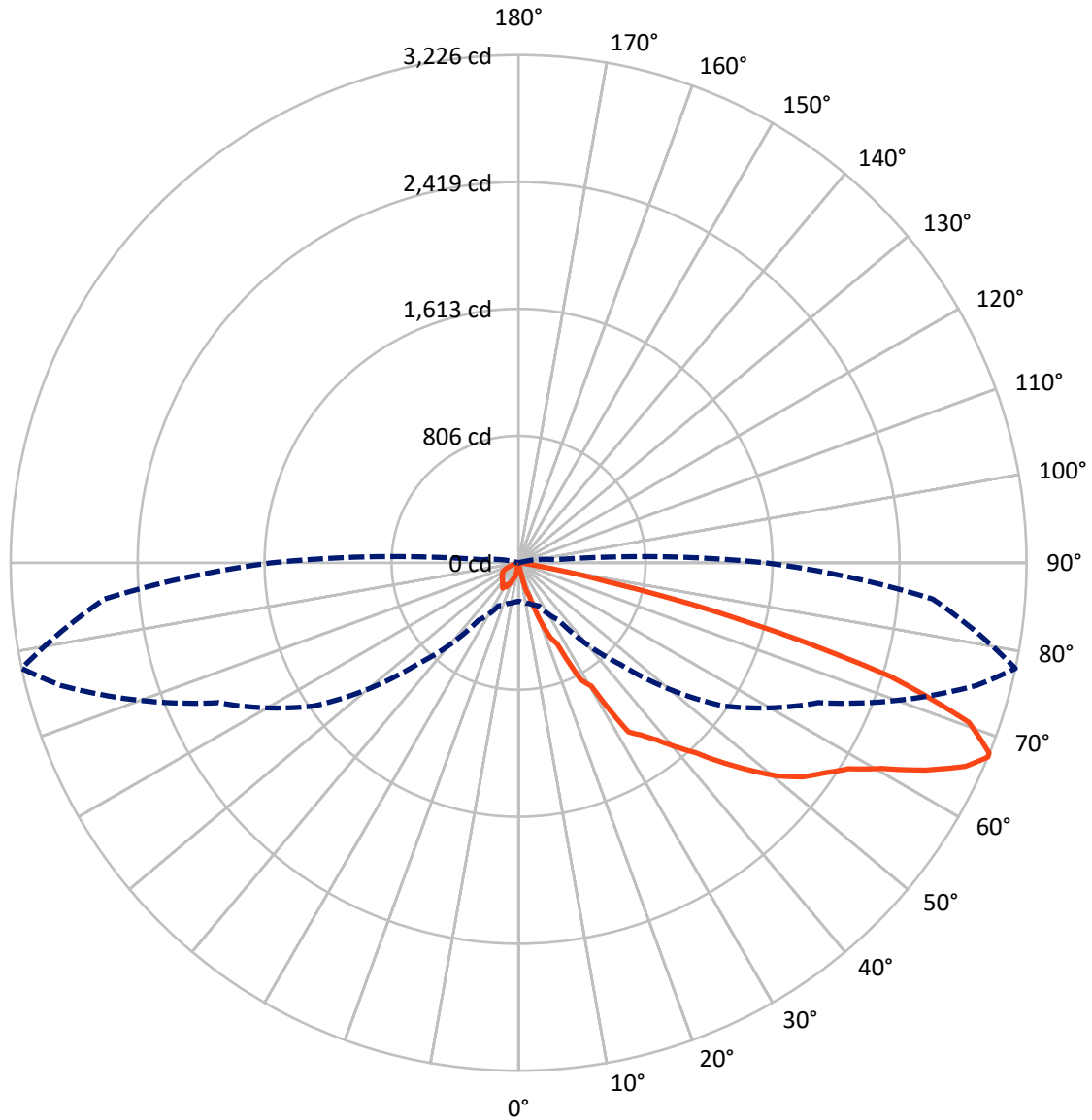
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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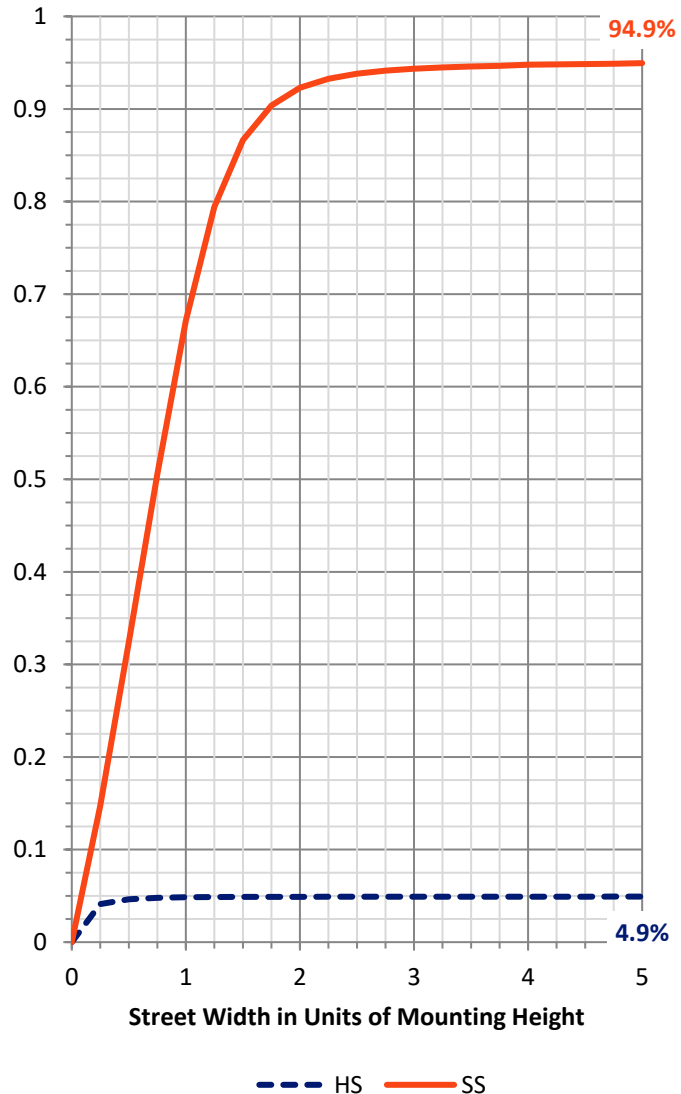
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	156.4	0.0	156.4
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	3001.6	0.0	3001.6
	% Fixture	95.0	0.0	95.0
Total	Lumens	3158.0	0.0	3158.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	43.0	1.4
20°-30°	171.5	5.4
30°-40°	436.2	13.8
40°-50°	714.2	22.6
50°-60°	805.3	25.5
60°-70°	694.5	22.0
70°-80°	279.4	8.8
80°-90°	10.9	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°	3158.0	100.0
0°-180°	3158.0	100.0

Coefficient of Utilization



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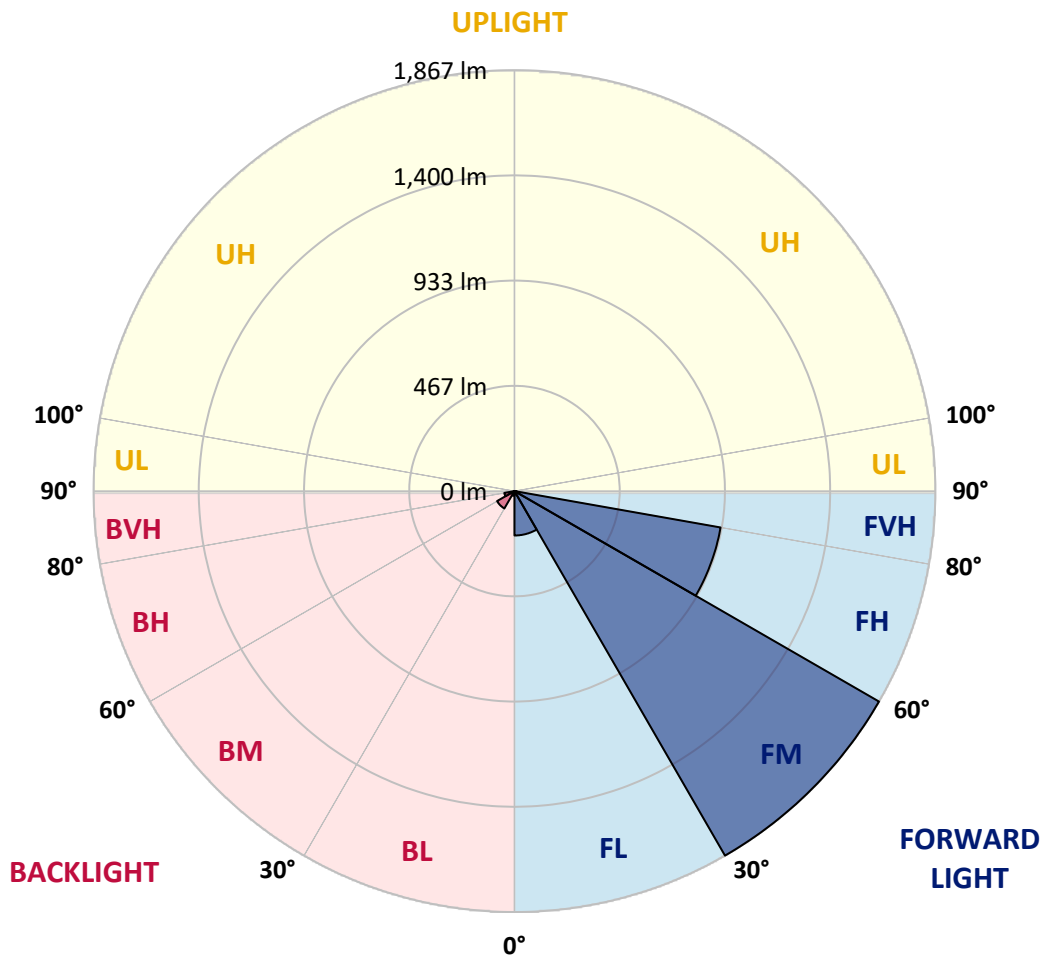
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.0	6.2			
FM (30°-60°)	1866.7	59.1			
FH (60°-80°)	928.1	29.4			G1/1800
FVH (80°-90°)	9.8	0.3			G0/10
BL (0°-30°)	20.5	0.6	B0/110		
BM (30°-60°)	89.0	2.8	B0/220		
BH (60°-80°)	45.7	1.4	B0/110		G0/110
BVH (80°-90°)	1.1	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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.4	0.4	0.9	0.9	1.7	1.7	1.3	1.3	1.3	1.3	1.3
5°	132.3	103.5	73.5	21.3	8.3	3.9	1.7	1.3	1.3	1.3	0.9
7.5°	147.5	146.2	144.4	143.6	141.0	136.6	9.6	1.7	1.3	1.3	1.3
10°	157.9	155.3	154.9	154.4	152.7	149.2	142.7	8.3	1.3	1.3	1.3
12.5°	317.1	315.8	310.6	181.8	163.6	160.1	154.4	110.9	8.7	73.1	79.2
15°	313.2	312.4	315.8	322.8	329.3	175.8	251.0	316.7	194.5	186.2	194.0
17.5°	324.1	323.7	318.0	323.7	333.7	389.4	358.5	345.4	215.8	225.4	207.1
20°	485.5	484.6	489.4	460.3	346.3	485.1	450.3	374.1	423.7	389.4	391.1
22.5°	509.9	511.6	510.3	520.3	601.2	501.2	560.3	581.7	588.6	515.5	445.1
25°	748.3	737.4	714.8	552.5	648.2	621.7	711.7	628.6	633.0	570.3	570.3
27.5°	838.3	838.3	819.6	798.3	687.8	798.3	749.1	825.7	900.5	841.4	714.3
30°	1137.6	1128.9	940.1	913.2	856.2	844.9	904.5	969.3	936.2	908.4	803.5
32.5°	1352.6	1353.4	1305.6	1159.4	1018.0	942.3	1047.6	1069.3	1248.1	1280.8	1089.4
35°	1725.8	1704.1	1470.0	1337.3	1198.1	1147.7	1142.4	1252.5	1355.2	1343.9	1180.7
37.5°	1962.9	1947.7	1834.6	1536.6	1358.2	1245.1	1313.0	1318.2	1484.4	1427.4	1289.9
40°	2071.7	2064.7	1969.0	1715.8	1498.7	1378.2	1400.0	1416.9	1614.0	1535.7	1381.7
42.5°	2159.6	2153.0	2066.0	1805.9	1633.6	1505.7	1497.9	1500.9	1718.9	1650.1	1474.4
45°	2201.8	2197.9	2160.4	1885.5	1692.3	1588.4	1604.4	1584.9	1810.2	1805.9	1577.0
47.5°	2160.9	2163.0	2173.5	1956.0	1735.4	1653.6	1708.0	1676.7	1919.0	1964.7	1692.8
50°	2016.9	2016.0	2075.6	1966.4	1760.2	1705.8	1799.4	1763.2	2048.2	2127.4	1797.2
52.5°	1573.6	1631.4	1847.2	1854.2	1754.5	1731.9	1868.1	1862.9	2170.0	2259.6	1901.6
55°	1184.2	1207.7	1412.6	1608.4	1681.5	1728.9	1892.5	1929.9	2260.1	2356.2	1983.4
57.5°	930.6	922.7	1035.0	1296.4	1497.0	1677.5	1886.8	1956.0	2347.9	2469.3	2091.3
60°	680.8	687.8	777.0	940.1	1231.2	1560.9	1869.4	1998.2	2487.2	2652.0	2251.8
62.5°	493.8	493.8	555.1	654.7	943.2	1373.9	1831.5	2057.3	2705.1	2900.0	2442.8
65°	332.4	330.2	375.9	426.8	646.0	1136.8	1729.7	2112.6	2913.9	3118.0	2606.8
67°	244.5	249.3	268.0	301.5	446.8	910.6	1584.4	2101.7	3010.1	3225.9	2639.0
67.5°	228.8	231.0	256.7	286.3	412.0	850.5	1543.1	2088.7	3020.5	3223.3	2622.5
70°	166.2	169.7	183.6	192.3	249.3	561.2	1231.6	1883.3	2868.3	3034.4	2384.5
72.5°	89.2	96.6	133.6	132.7	154.9	342.4	837.5	1397.8	2357.5	2470.2	1830.2
75°	69.6	70.5	79.6	98.3	100.1	190.6	402.9	812.2	1491.3	1499.6	1016.3
77.5°	50.9	53.1	58.7	62.2	65.3	108.3	141.0	322.8	660.4	576.9	380.7
80°	34.4	35.7	38.7	46.1	53.5	61.3	45.7	86.1	155.3	120.5	57.0
82.5°	14.8	14.4	27.0	38.7	38.3	25.2	23.1	27.0	30.9	28.3	17.4
85°	0.9	1.3	13.9	18.7	16.1	10.9	14.4	11.3	11.7	11.3	8.7
87.5°	0.4	0.4	1.3	1.7	2.2	2.2	2.6	2.6	3.5	3.9	3.5
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.3	1.3	1.3	1.3	1.3	0.4	0.4	0.0	0.0	0.0	0.0
5°	1.3	1.3	1.3	1.3	1.3	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.3	1.3	1.3	1.3	1.3	0.4	0.0	4.8	13.1	13.9	13.5
10°	1.3	1.3	1.3	1.3	0.9	11.3	15.7	14.8	14.4	13.9	13.9
12.5°	79.2	67.0	12.2	2.6	11.3	14.4	12.6	12.6	12.2	12.2	12.2
15°	173.1	145.3	68.3	23.1	17.8	12.2	11.3	11.3	18.7	20.4	20.0
17.5°	181.4	146.6	67.0	31.3	25.7	15.7	15.7	20.0	19.6	18.7	18.7
20°	345.0	226.2	77.4	30.9	23.5	24.8	18.7	17.4	16.5	15.7	15.7
22.5°	368.9	265.8	83.1	39.2	25.2	24.8	19.1	16.1	20.4	20.0	20.0
25°	476.4	321.1	75.3	36.5	32.6	22.6	20.4	17.8	17.4	16.5	16.5
27.5°	590.4	379.8	83.1	37.8	29.6	22.2	19.1	15.7	16.5	18.3	18.3
30°	647.3	380.2	65.7	38.7	28.3	22.6	17.0	17.4	16.5	16.1	15.7
32.5°	868.8	488.1	63.1	37.0	26.5	19.6	17.4	15.2	13.9	15.2	15.2
35°	907.9	471.2	54.8	37.4	23.9	17.8	14.8	13.9	13.9	13.5	13.5
37.5°	951.0	452.9	48.3	33.1	23.1	16.1	12.6	12.6	12.2	13.1	13.1
40°	998.4	433.7	43.1	28.7	19.6	13.5	11.3	10.9	11.3	11.3	10.9
42.5°	1053.7	415.0	38.7	25.2	16.5	11.3	9.1	9.1	9.1	8.7	8.7
45°	1112.8	400.2	35.7	21.8	13.9	9.6	7.4	7.0	6.5	6.5	6.5
47.5°	1182.9	394.2	33.1	18.3	11.7	7.4	5.7	5.2	4.8	4.4	4.4
50°	1241.6	391.5	29.1	15.2	10.0	6.1	3.9	3.5	3.0	2.6	2.6
52.5°	1293.4	380.2	25.2	12.2	7.8	4.4	2.6	1.7	1.3	1.3	1.3
55°	1344.7	369.8	21.8	10.4	5.7	2.6	1.3	0.4	0.4	0.9	0.9
57.5°	1408.2	358.0	18.7	8.7	4.4	1.7	0.9	0.0	0.4	0.4	0.9
60°	1507.9	345.9	16.5	7.4	3.0	1.3	0.4	0.0	0.0	0.4	0.4
62.5°	1597.1	324.5	14.4	6.5	2.6	1.3	0.4	0.0	0.0	0.0	0.4
65°	1635.8	280.6	12.6	5.7	2.6	1.3	0.4	0.0	0.0	0.0	0.0
67°	1571.0	227.1	11.3	5.2	2.2	0.9	0.4	0.0	0.0	0.0	0.0
67.5°	1540.5	211.9	11.3	4.8	2.2	0.9	0.4	0.4	0.0	0.0	0.0
70°	1307.7	140.5	10.0	4.4	2.2	0.9	0.9	0.4	0.0	0.0	0.0
72.5°	1003.7	81.8	8.7	3.9	2.2	0.9	0.9	0.4	0.4	0.0	0.0
75°	561.2	41.3	7.0	3.9	2.2	1.3	1.3	0.9	0.9	0.9	0.0
77.5°	179.7	22.6	5.2	3.5	2.2	1.3	1.3	0.9	1.3	1.3	0.4
80°	28.3	11.7	3.9	2.6	2.2	0.9	1.3	1.3	1.7	1.7	0.4
82.5°	10.4	6.5	3.0	2.6	2.2	0.9	1.3	1.3	1.7	2.2	0.0
85°	4.8	3.9	3.0	2.6	2.2	0.9	1.3	1.3	1.7	2.2	0.0
87.5°	2.2	3.0	2.6	2.6	2.2	0.9	1.3	1.3	1.7	1.7	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)