

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: P416159

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-830-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4476 lumens
Efficiency: N/A
Efficacy: 69.9 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 - G2

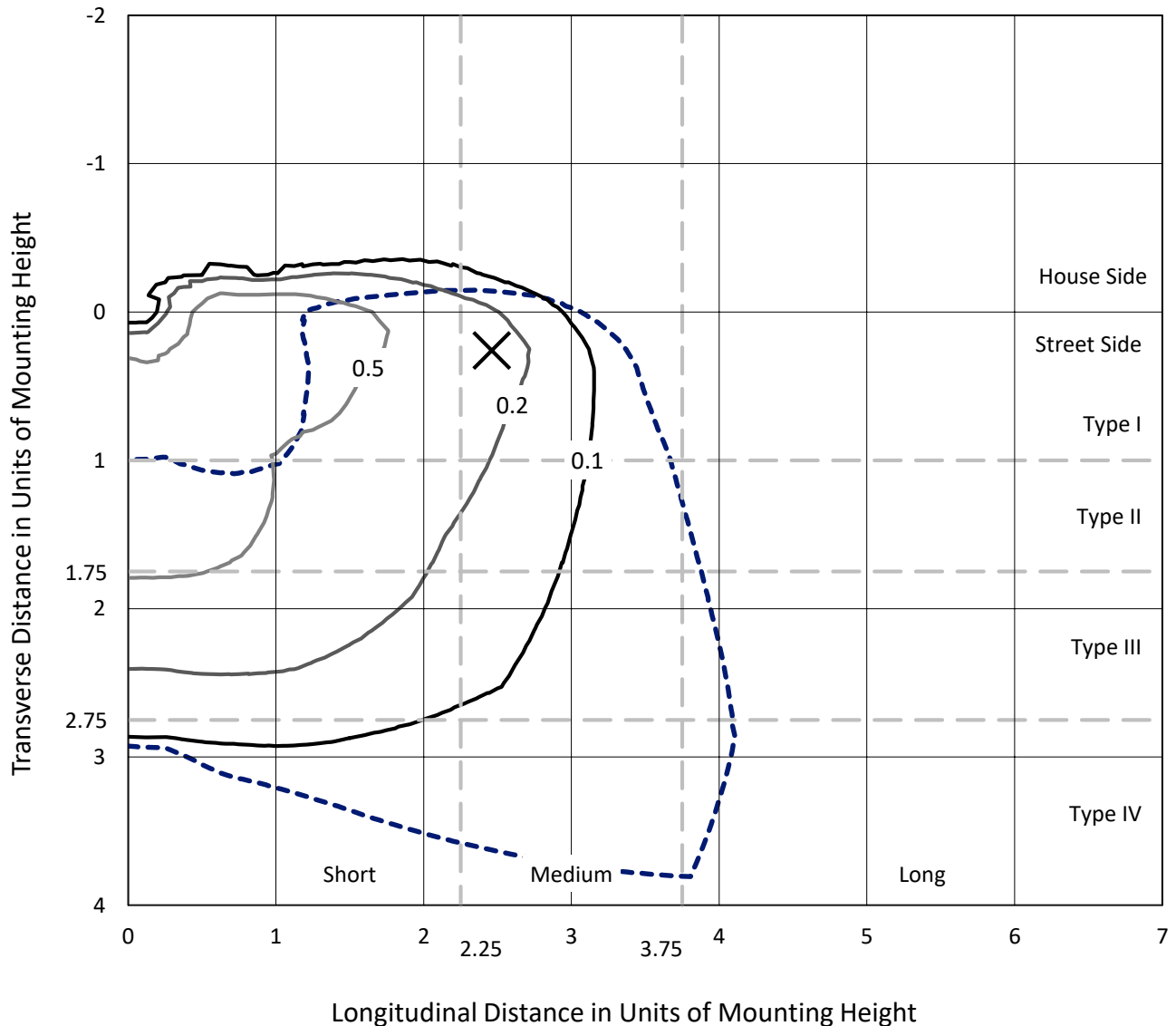
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

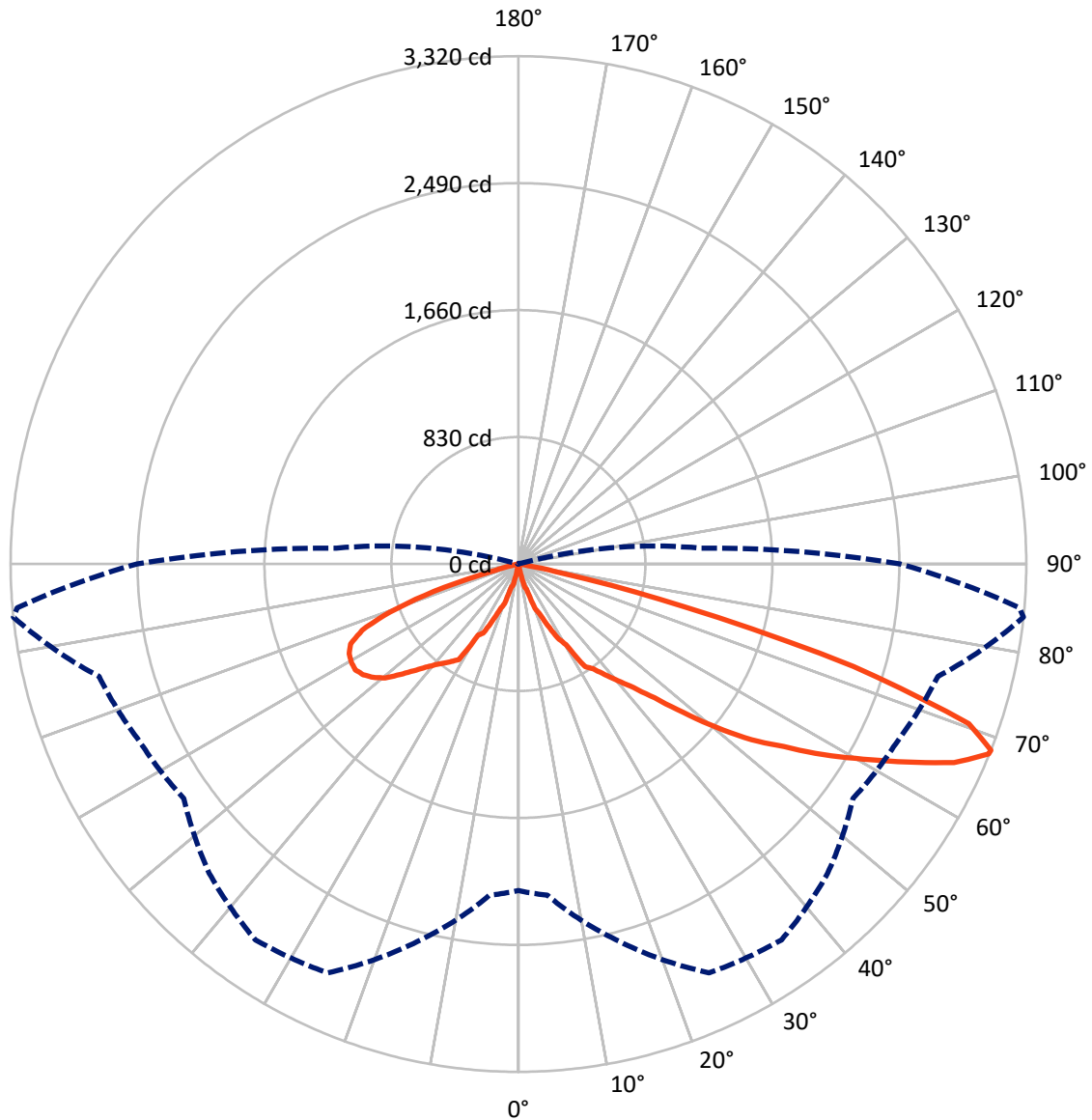
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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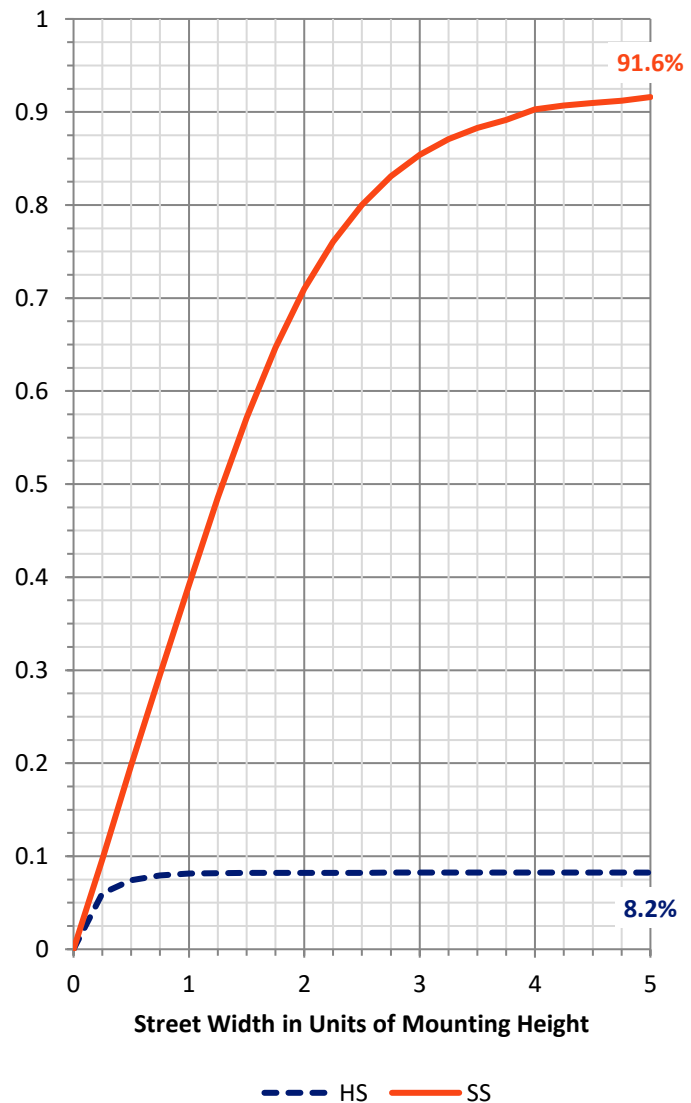
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	371.9	0.0	371.9
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	4104.0	0.0	4104.0
	% Fixture	91.7	0.0	91.7
Total	Lumens	4476.0	0.0	4476.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	40.5	0.9
20°-30°	145.1	3.2
30°-40°	309.9	6.9
40°-50°	553.8	12.4
50°-60°	982.7	22.0
60°-70°	1412.2	31.6
70°-80°	950.7	21.2
80°-90°	78.1	1.7
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°	4476.0	100.0
0°-180°	4476.0	100.0



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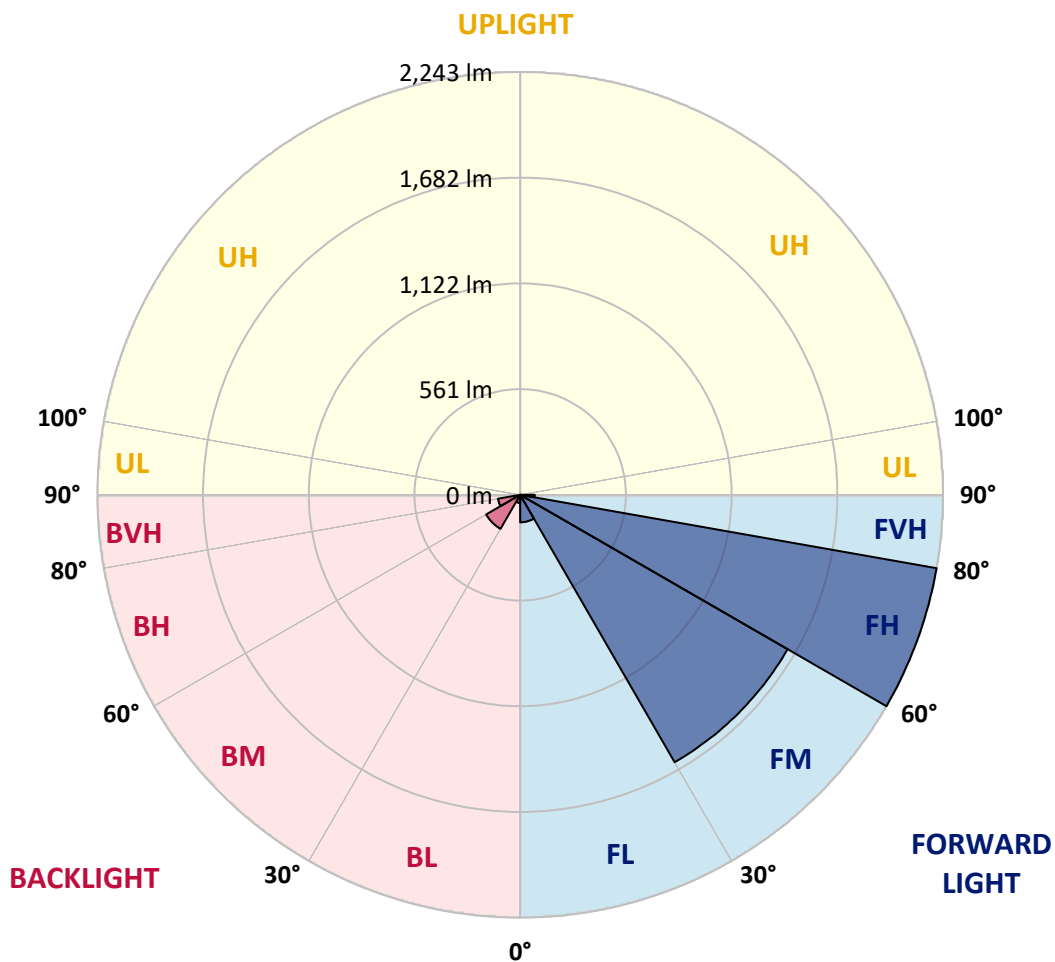
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.9	3.3			
FM	(30°-60°)	1638.0	36.6			
FH	(60°-80°)	2243.2	50.1			G2/5000
FVH	(80°-90°)	76.9	1.7			G1/100
BL	(0°-30°)	42.7	1.0	B0/110		
BM	(30°-60°)	208.4	4.7	B0/220		
BH	(60°-80°)	119.7	2.7	B1/500		G1/500
BVH	(80°-90°)	1.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.6	0.6	0.0	0.6	0.6	1.3	1.3	1.9	1.9	1.9	1.9
5°	34.4	29.2	28.5	25.3	18.2	4.5	1.3	1.9	1.9	1.9	1.9
7.5°	123.2	121.2	119.9	117.3	114.7	88.2	17.5	1.9	1.9	1.9	1.9
10°	132.2	129.7	127.7	124.5	120.6	116.0	110.9	14.3	1.9	1.9	1.9
12.5°	273.6	270.3	187.4	154.9	127.7	121.2	117.3	60.9	56.4	64.2	73.3
15°	287.8	285.2	278.1	269.0	241.8	136.8	184.1	228.8	149.1	158.8	158.8
17.5°	320.9	315.7	291.1	277.5	266.4	293.0	269.0	245.0	160.8	170.5	170.5
20°	449.3	448.0	440.8	307.9	280.1	370.8	293.0	261.3	296.9	309.9	295.0
22.5°	453.1	451.8	446.7	429.2	440.2	381.2	420.7	394.8	405.2	354.0	351.4
25°	600.9	595.8	477.1	436.9	496.6	406.5	500.5	435.6	427.9	442.1	442.1
27.5°	612.0	610.7	606.8	581.5	509.5	575.7	515.4	564.0	575.0	546.5	561.4
30°	696.9	654.1	631.4	616.5	600.3	604.2	601.6	648.9	599.0	610.7	604.2
32.5°	811.0	807.1	795.4	657.3	667.1	630.8	701.4	694.3	774.7	800.0	796.1
35°	969.8	907.6	831.7	760.4	692.4	749.4	724.8	807.7	827.8	839.5	863.5
37.5°	1109.2	1089.1	1018.4	806.5	766.9	771.4	829.1	865.4	895.3	916.0	926.4
40°	1236.9	1222.0	1174.7	942.6	807.1	837.6	884.9	905.0	964.0	1002.2	1002.9
42.5°	1426.2	1435.3	1391.2	1065.8	916.0	930.3	970.5	973.7	1026.2	1102.7	1105.3
45°	1662.8	1650.5	1639.5	1244.7	1019.7	1010.7	1066.4	1058.6	1139.7	1247.3	1260.2
47.5°	1891.0	1873.5	1843.7	1450.8	1163.6	1100.8	1178.6	1185.0	1311.5	1448.9	1454.1
50°	2067.3	2060.9	2031.0	1690.7	1354.9	1225.2	1303.0	1379.5	1513.7	1679.0	1690.0
52.5°	2261.8	2246.9	2194.4	1915.6	1600.6	1412.6	1452.1	1586.3	1727.0	1908.5	1907.2
55°	2391.5	2393.4	2343.5	2145.1	1823.6	1624.6	1640.1	1846.3	1921.5	2106.9	2120.5
57.5°	2563.9	2549.7	2563.3	2414.8	2125.7	1839.8	1876.1	2054.4	2121.8	2350.6	2359.7
60°	2692.3	2697.5	2764.9	2663.8	2359.7	2058.9	2090.0	2224.2	2321.5	2589.2	2617.7
62.5°	2696.8	2724.7	2906.2	2913.3	2613.2	2296.2	2276.1	2398.0	2483.5	2848.5	2882.9
65°	2449.8	2466.7	2875.7	2979.5	2848.5	2528.9	2453.1	2544.5	2643.7	3129.2	3135.7
67.5°	2202.2	2207.4	2602.2	2960.0	2989.8	2808.3	2641.7	2704.6	2800.5	3314.0	3291.3
68°	2134.8	2173.7	2554.8	2949.0	2998.9	2858.9	2670.2	2735.1	2838.8	3319.8	3288.0
70°	1935.1	1976.6	2327.3	2825.8	2994.4	3049.5	2826.5	2835.5	2862.8	3124.0	3022.2
72.5°	1301.1	1329.0	1841.7	2405.1	2897.1	3271.2	3000.9	2775.9	2568.5	2290.3	2200.2
75°	500.5	503.7	928.3	1653.1	2504.9	3160.3	2816.7	2340.3	1744.5	1115.0	1047.0
77.5°	186.7	183.5	269.0	766.3	1590.2	2455.7	2103.0	1434.6	726.7	292.4	285.9
80°	66.1	68.1	104.4	230.8	646.3	1434.6	1170.8	584.1	213.9	64.8	59.6
82.5°	25.9	27.9	53.2	109.6	277.5	602.2	499.8	248.3	125.1	24.6	23.3
85°	5.8	6.5	20.7	54.5	105.7	174.4	175.7	151.7	103.7	11.7	11.0
87.5°	0.6	1.3	5.8	7.1	8.4	4.5	14.9	15.6	28.5	4.5	4.5
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.9	1.9	1.9	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0
5°	1.9	1.9	1.9	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0
7.5°	1.9	1.9	1.9	1.3	0.6	0.6	0.0	57.0	59.0	60.9	61.6
10°	1.9	1.9	1.9	1.3	1.3	59.6	70.0	67.4	62.9	60.9	61.6
12.5°	70.7	68.7	22.0	4.5	54.5	65.5	53.8	44.7	40.2	37.0	37.0
15°	154.3	148.5	123.8	94.6	88.8	50.6	34.4	29.2	42.8	51.9	51.9
17.5°	164.0	156.9	138.7	137.4	90.1	44.1	35.7	46.0	48.6	51.2	51.2
20°	317.7	284.6	195.8	131.6	66.1	53.8	44.7	44.1	46.0	49.3	49.9
22.5°	340.3	324.1	246.3	159.5	60.3	58.3	51.9	49.3	66.1	72.0	72.0
25°	432.4	416.8	265.1	127.1	73.3	59.6	65.5	61.6	62.9	68.1	68.1
27.5°	553.0	524.5	348.1	107.0	68.1	64.8	66.8	61.6	72.6	86.2	86.2
30°	612.6	555.6	333.2	94.6	69.4	70.7	64.2	75.2	75.2	80.4	81.0
32.5°	817.5	777.9	375.3	79.7	69.4	64.8	70.0	71.3	70.0	90.8	91.4
35°	870.0	822.7	321.5	83.0	66.1	62.9	62.9	70.7	75.2	79.7	80.4
37.5°	934.2	872.6	252.8	77.8	68.7	60.9	57.7	60.3	66.1	77.8	78.4
40°	1015.8	927.0	194.5	73.3	64.2	55.8	52.5	55.1	55.1	58.3	59.0
42.5°	1126.0	991.9	143.9	70.0	60.3	51.2	46.0	42.8	40.8	40.2	40.8
45°	1277.1	1074.8	107.6	66.8	57.7	45.4	38.2	31.1	25.9	25.9	26.6
47.5°	1456.7	1167.5	87.5	61.6	53.8	38.9	29.2	20.1	16.2	16.9	17.5
50°	1647.9	1265.4	76.5	57.0	49.3	31.8	19.4	12.3	10.4	11.0	11.7
52.5°	1824.9	1329.0	72.0	52.5	43.4	24.6	12.3	8.4	7.8	7.8	8.4
55°	2002.5	1376.9	68.1	48.0	35.0	16.2	7.1	6.5	6.5	5.8	5.8
57.5°	2167.8	1405.5	61.6	41.5	24.6	9.7	5.2	5.2	4.5	4.5	4.5
60°	2319.5	1402.2	49.3	31.1	15.6	5.8	3.9	3.9	3.2	3.2	3.2
62.5°	2474.5	1388.0	35.0	22.0	10.4	3.9	2.6	2.6	1.9	1.3	1.9
65°	2567.8	1347.8	23.3	15.6	6.5	2.6	1.9	1.3	0.6	0.0	0.6
67.5°	2528.9	1231.1	17.5	11.7	4.5	1.9	1.3	0.6	0.0	0.0	0.0
68°	2493.3	1194.1	16.2	11.0	3.9	1.9	1.3	0.6	0.0	0.0	0.0
70°	2212.6	995.1	14.3	9.1	3.2	1.9	1.3	0.6	0.0	0.0	0.0
72.5°	1476.1	646.3	11.7	7.1	2.6	1.3	1.3	0.6	0.0	0.0	0.0
75°	680.7	207.4	9.1	5.8	1.9	1.3	1.3	0.6	0.0	0.0	0.0
77.5°	181.5	44.1	5.8	3.9	1.9	1.3	1.3	0.6	0.6	0.6	0.0
80°	43.4	13.6	3.9	3.2	1.9	1.3	1.3	0.6	0.6	0.6	0.0
82.5°	16.2	7.1	2.6	2.6	1.9	1.3	1.3	0.6	1.3	1.3	0.0
85°	7.1	4.5	2.6	2.6	1.9	1.3	1.3	1.3	1.3	1.9	0.0
87.5°	3.2	3.2	2.6	2.6	2.6	1.3	1.9	1.9	1.9	1.9	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)