

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: P415456

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415456
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-PA1-50-730-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA 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: 4668 lumens
Efficiency: N/A
Efficacy: 86.4 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

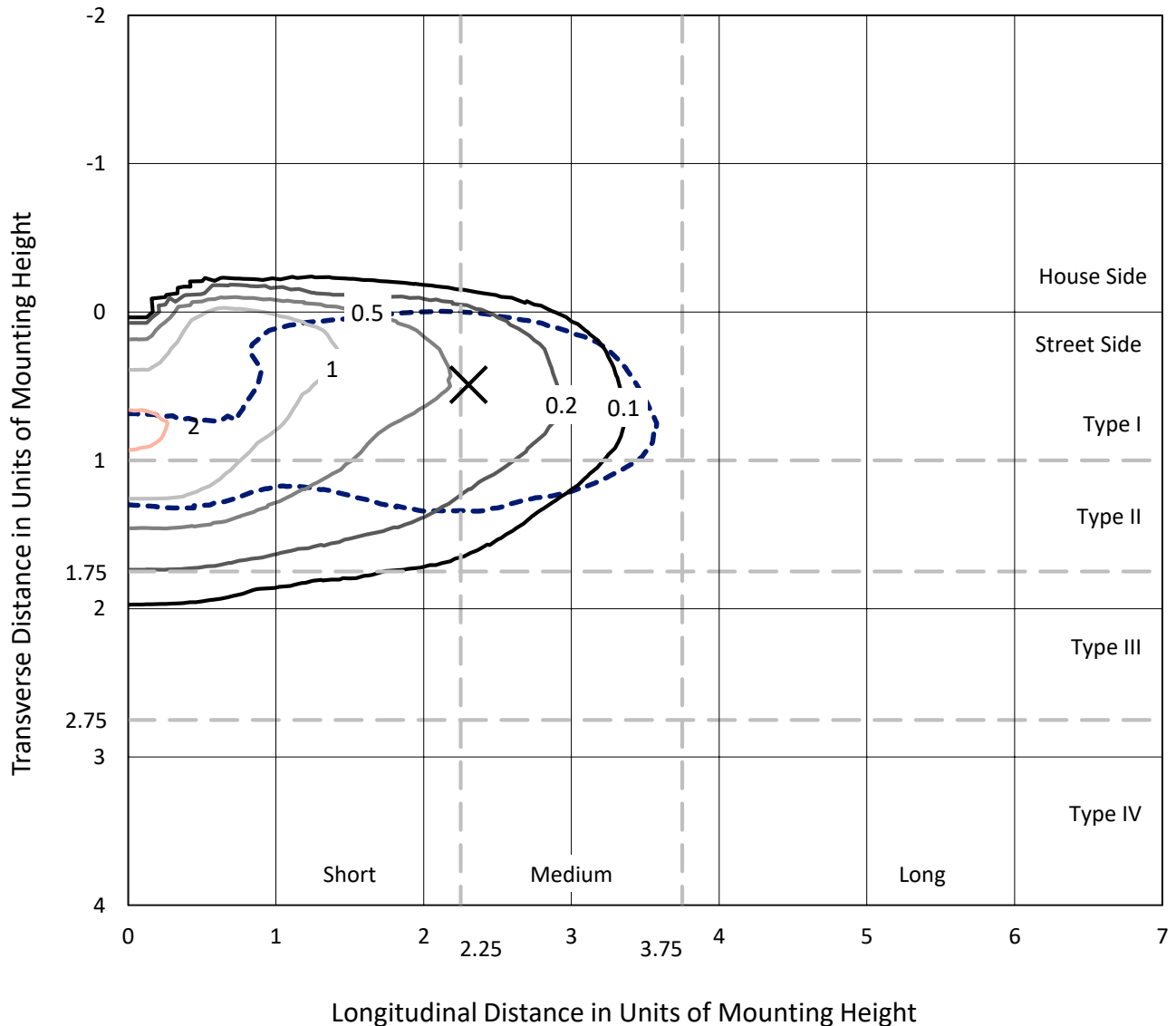
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

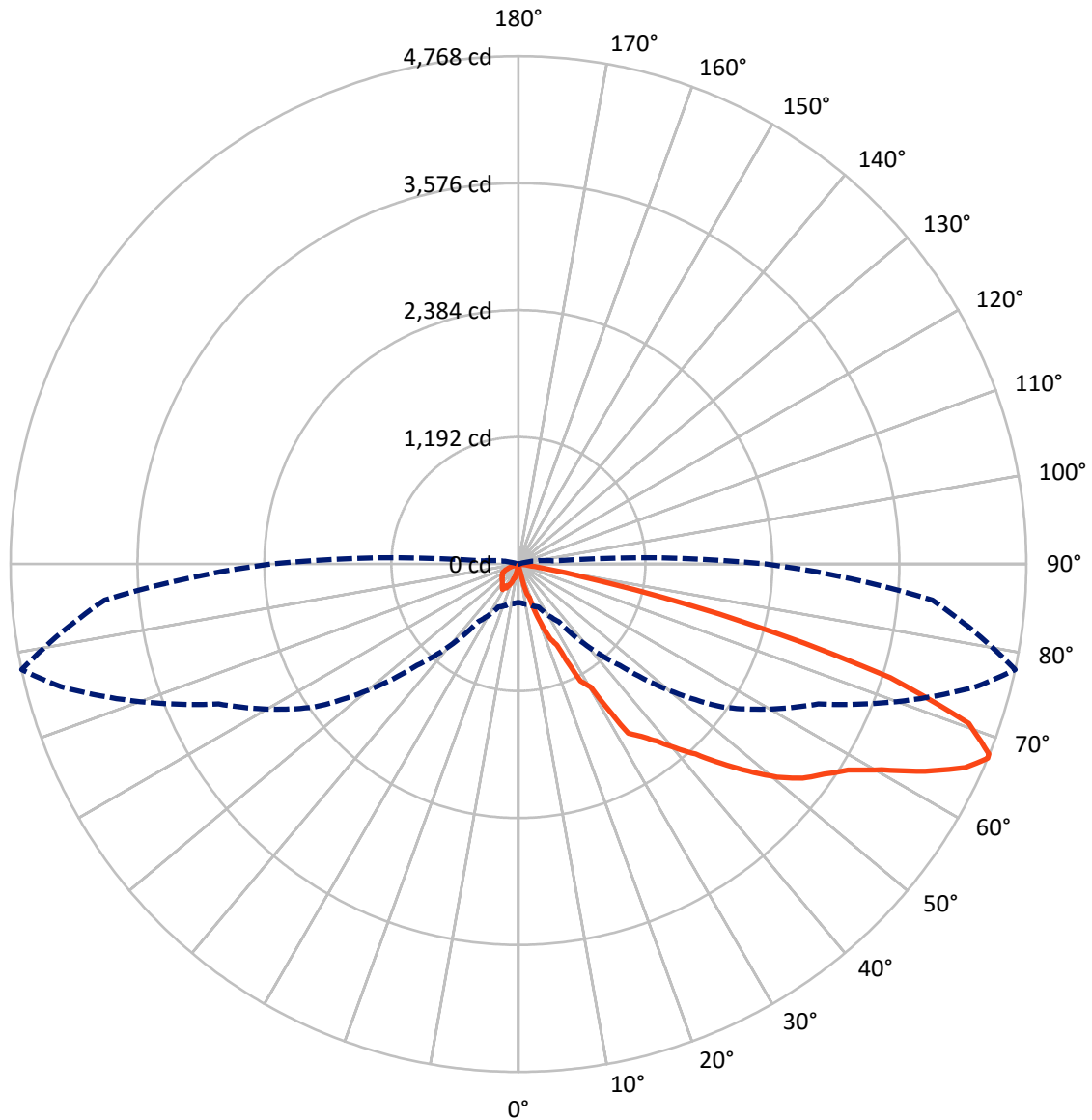
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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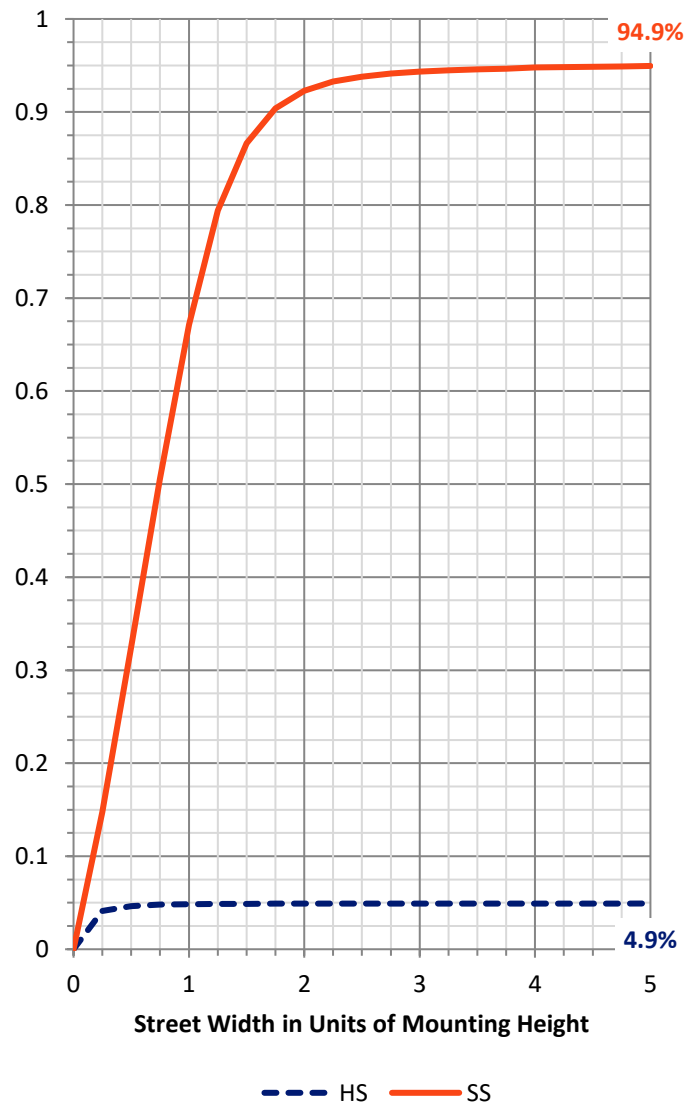
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	231.1	0.0	231.1
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	4436.8	0.0	4436.8
	% Fixture	95.0	0.0	95.0
Total	Lumens	4668.0	0.0	4668.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	63.6	1.4
20°-30°	253.5	5.4
30°-40°	644.8	13.8
40°-50°	1055.7	22.6
50°-60°	1190.4	25.5
60°-70°	1026.5	22.0
70°-80°	412.9	8.8
80°-90°	16.2	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°	4668.0	100.0
0°-180°	4668.0	100.0



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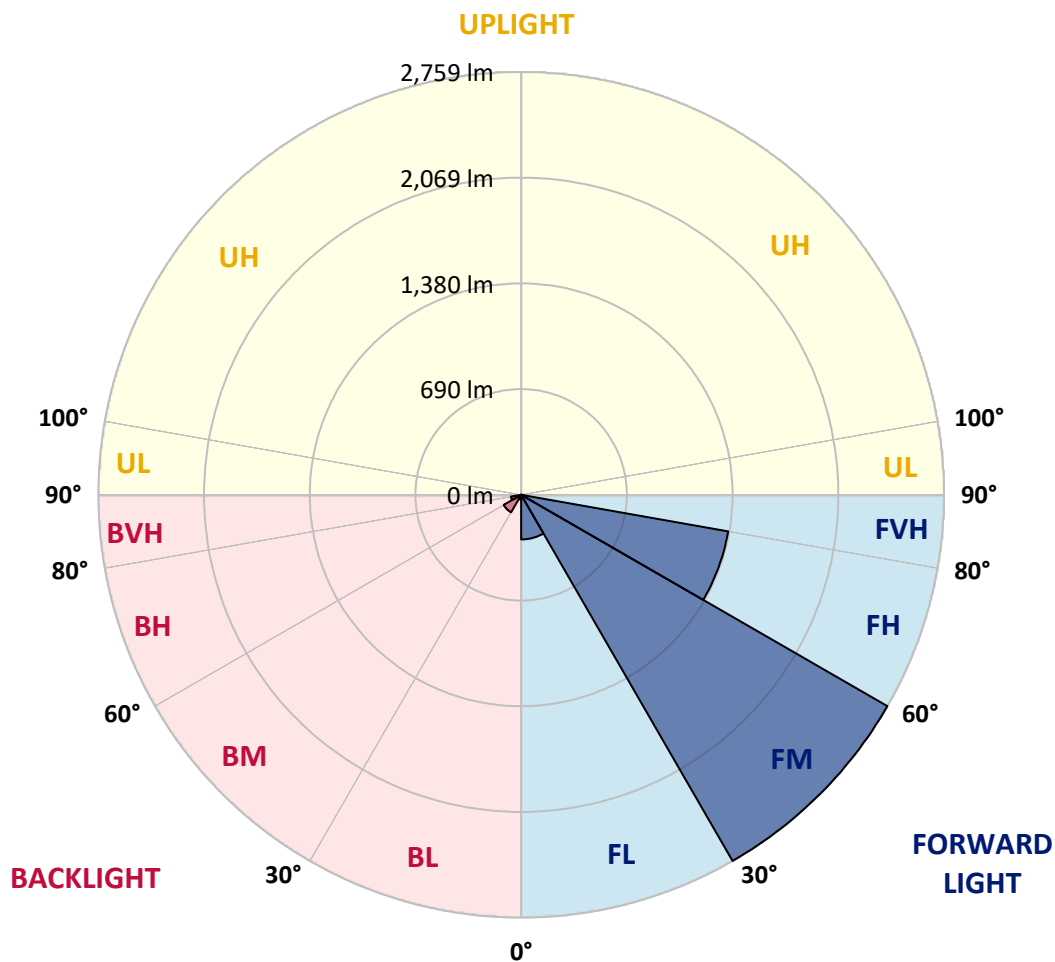
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	291.1	6.2			
FM	(30°-60°)	2759.3	59.1			
FH	(60°-80°)	1371.9	29.4			G1/1800
FVH	(80°-90°)	14.5	0.3			G1/100
BL	(0°-30°)	30.3	0.6	B0/110		
BM	(30°-60°)	131.6	2.8	B0/220		
BH	(60°-80°)	67.6	1.4	B0/110		G0/110
BVH	(80°-90°)	1.6	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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	0.6	0.6	1.3	1.3	2.6	2.6	1.9	1.9	1.9	1.9	1.9
5°	195.5	153.0	108.7	31.5	12.2	5.8	2.6	1.9	1.9	1.9	1.3
7.5°	218.0	216.1	213.5	212.2	208.4	201.9	14.1	2.6	1.9	1.9	1.9
10°	233.4	229.6	228.9	228.3	225.7	220.6	210.9	12.2	1.9	1.9	1.9
12.5°	468.8	466.9	459.1	268.8	241.8	236.6	228.3	164.0	12.9	108.0	117.0
15°	463.0	461.7	466.9	477.2	486.8	259.8	371.0	468.2	287.4	275.2	286.8
17.5°	479.1	478.4	470.1	478.4	493.2	575.5	529.9	510.6	319.0	333.1	306.1
20°	717.7	716.4	723.4	680.4	511.9	717.0	665.6	553.0	626.3	575.5	578.1
22.5°	753.7	756.2	754.3	769.1	888.7	740.8	828.3	859.8	870.1	762.0	657.9
25°	1106.1	1090.0	1056.6	816.7	958.2	918.9	1052.1	929.2	935.7	843.1	843.1
27.5°	1239.2	1239.2	1211.5	1180.0	1016.7	1180.0	1107.4	1220.5	1331.1	1243.7	1055.9
30°	1681.6	1668.7	1389.7	1349.8	1265.5	1248.8	1336.9	1432.7	1383.9	1342.7	1187.7
32.5°	1999.3	2000.6	1929.8	1713.8	1504.8	1392.9	1548.5	1580.7	1844.9	1893.2	1610.2
35°	2551.0	2518.9	2172.9	1976.8	1771.0	1696.4	1688.7	1851.4	2003.1	1986.4	1745.3
37.5°	2901.5	2879.0	2711.8	2271.3	2007.6	1840.4	1940.8	1948.5	2194.1	2109.9	1906.7
40°	3062.3	3052.0	2910.5	2536.2	2215.4	2037.2	2069.4	2094.5	2385.8	2270.0	2042.4
42.5°	3192.2	3182.5	3053.9	2669.4	2414.7	2225.6	2214.1	2218.6	2540.7	2439.1	2179.3
45°	3254.5	3248.8	3193.5	2787.0	2501.5	2347.8	2371.6	2342.7	2675.8	2669.4	2331.1
47.5°	3194.1	3197.3	3212.7	2891.2	2565.2	2444.3	2524.7	2478.4	2836.6	2904.1	2502.2
50°	2981.2	2980.0	3068.1	2906.6	2601.8	2521.5	2659.7	2606.3	3027.5	3144.6	2656.5
52.5°	2326.0	2411.5	2730.4	2740.7	2593.5	2560.0	2761.3	2753.6	3207.6	3340.1	2810.8
55°	1750.4	1785.1	2088.0	2377.4	2485.4	2555.5	2797.3	2852.6	3340.7	3482.8	2931.7
57.5°	1375.5	1363.9	1529.8	1916.3	2212.8	2479.7	2789.0	2891.2	3470.6	3650.0	3091.2
60°	1006.4	1016.7	1148.5	1389.7	1819.9	2307.3	2763.2	2953.6	3676.4	3920.1	3328.5
62.5°	729.9	729.9	820.5	967.8	1394.2	2030.8	2707.3	3041.0	3998.6	4286.7	3610.8
65°	491.3	488.1	555.6	630.8	954.9	1680.3	2556.8	3122.7	4307.2	4608.8	3853.2
67°	361.4	368.5	396.1	445.6	660.4	1345.9	2342.0	3106.6	4449.4	4768.3	3900.8
67.5°	338.3	341.5	379.4	423.1	609.0	1257.2	2280.9	3087.3	4464.8	4764.5	3876.4
70°	245.7	250.8	271.4	284.2	368.5	829.6	1820.5	2783.8	4239.7	4485.4	3524.6
72.5°	131.8	142.8	197.4	196.1	228.9	506.1	1237.9	2066.2	3484.8	3651.3	2705.4
75°	102.9	104.2	117.7	145.3	147.9	281.7	595.5	1200.6	2204.4	2216.6	1502.2
77.5°	75.2	78.5	86.8	92.0	96.5	160.1	208.4	477.2	976.2	852.7	562.7
80°	50.8	52.7	57.2	68.2	79.1	90.7	67.5	127.3	229.6	178.1	84.2
82.5°	21.9	21.2	39.9	57.2	56.6	37.3	34.1	39.9	45.7	41.8	25.7
85°	1.3	1.9	20.6	27.7	23.8	16.1	21.2	16.7	17.4	16.7	12.9
87.5°	0.6	0.6	1.9	2.6	3.2	3.2	3.9	3.9	5.1	5.8	5.1
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.9	1.9	1.9	1.9	1.9	0.6	0.6	0.0	0.0	0.0	0.0
5°	1.9	1.9	1.9	1.9	1.9	0.6	0.0	0.0	0.0	0.0	0.0
7.5°	1.9	1.9	1.9	1.9	1.9	0.6	0.0	7.1	19.3	20.6	19.9
10°	1.9	1.9	1.9	1.9	1.3	16.7	23.2	21.9	21.2	20.6	20.6
12.5°	117.0	99.0	18.0	3.9	16.7	21.2	18.6	18.6	18.0	18.0	18.0
15°	255.9	214.8	101.0	34.1	26.4	18.0	16.7	16.7	27.7	30.2	29.6
17.5°	268.2	216.7	99.0	46.3	37.9	23.2	23.2	29.6	28.9	27.7	27.7
20°	509.9	334.4	114.5	45.7	34.7	36.7	27.7	25.7	24.4	23.2	23.2
22.5°	545.3	392.9	122.8	57.9	37.3	36.7	28.3	23.8	30.2	29.6	29.6
25°	704.2	474.6	111.2	54.0	48.2	33.4	30.2	26.4	25.7	24.4	24.4
27.5°	872.6	561.4	122.8	55.9	43.7	32.8	28.3	23.2	24.4	27.0	27.0
30°	956.9	562.0	97.1	57.2	41.8	33.4	25.1	25.7	24.4	23.8	23.2
32.5°	1284.2	721.5	93.2	54.7	39.2	28.9	25.7	22.5	20.6	22.5	22.5
35°	1342.1	696.4	81.0	55.3	35.4	26.4	21.9	20.6	20.6	19.9	19.9
37.5°	1405.7	669.4	71.4	48.9	34.1	23.8	18.6	18.6	18.0	19.3	19.3
40°	1475.8	641.1	63.7	42.4	28.9	19.9	16.7	16.1	16.7	16.7	16.1
42.5°	1557.5	613.5	57.2	37.3	24.4	16.7	13.5	13.5	13.5	12.9	12.9
45°	1645.0	591.6	52.7	32.2	20.6	14.1	10.9	10.3	9.6	9.6	9.6
47.5°	1748.5	582.6	48.9	27.0	17.4	10.9	8.4	7.7	7.1	6.4	6.4
50°	1835.3	578.8	43.1	22.5	14.8	9.0	5.8	5.1	4.5	3.9	3.9
52.5°	1911.8	562.0	37.3	18.0	11.6	6.4	3.9	2.6	1.9	1.9	1.9
55°	1987.7	546.6	32.2	15.4	8.4	3.9	1.9	0.6	0.6	1.3	1.3
57.5°	2081.6	529.2	27.7	12.9	6.4	2.6	1.3	0.0	0.6	0.6	1.3
60°	2228.9	511.2	24.4	10.9	4.5	1.9	0.6	0.0	0.0	0.6	0.6
62.5°	2360.7	479.7	21.2	9.6	3.9	1.9	0.6	0.0	0.0	0.0	0.6
65°	2417.9	414.8	18.6	8.4	3.9	1.9	0.6	0.0	0.0	0.0	0.0
67°	2322.1	335.7	16.7	7.7	3.2	1.3	0.6	0.0	0.0	0.0	0.0
67.5°	2277.1	313.2	16.7	7.1	3.2	1.3	0.6	0.6	0.0	0.0	0.0
70°	1933.0	207.7	14.8	6.4	3.2	1.3	1.3	0.6	0.0	0.0	0.0
72.5°	1483.5	120.9	12.9	5.8	3.2	1.3	1.3	0.6	0.6	0.0	0.0
75°	829.6	61.1	10.3	5.8	3.2	1.9	1.9	1.3	1.3	1.3	0.0
77.5°	265.6	33.4	7.7	5.1	3.2	1.9	1.9	1.3	1.9	1.9	0.6
80°	41.8	17.4	5.8	3.9	3.2	1.3	1.9	1.9	2.6	2.6	0.6
82.5°	15.4	9.6	4.5	3.9	3.2	1.3	1.9	1.9	2.6	3.2	0.0
85°	7.1	5.8	4.5	3.9	3.2	1.3	1.9	1.9	2.6	3.2	0.0
87.5°	3.2	4.5	3.9	3.9	3.2	1.3	1.9	1.9	2.6	2.6	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)