

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: P1211324

Luminaire Tested: **ARCH4-240-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-240-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 940mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24821 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 240.2
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: 24 FT

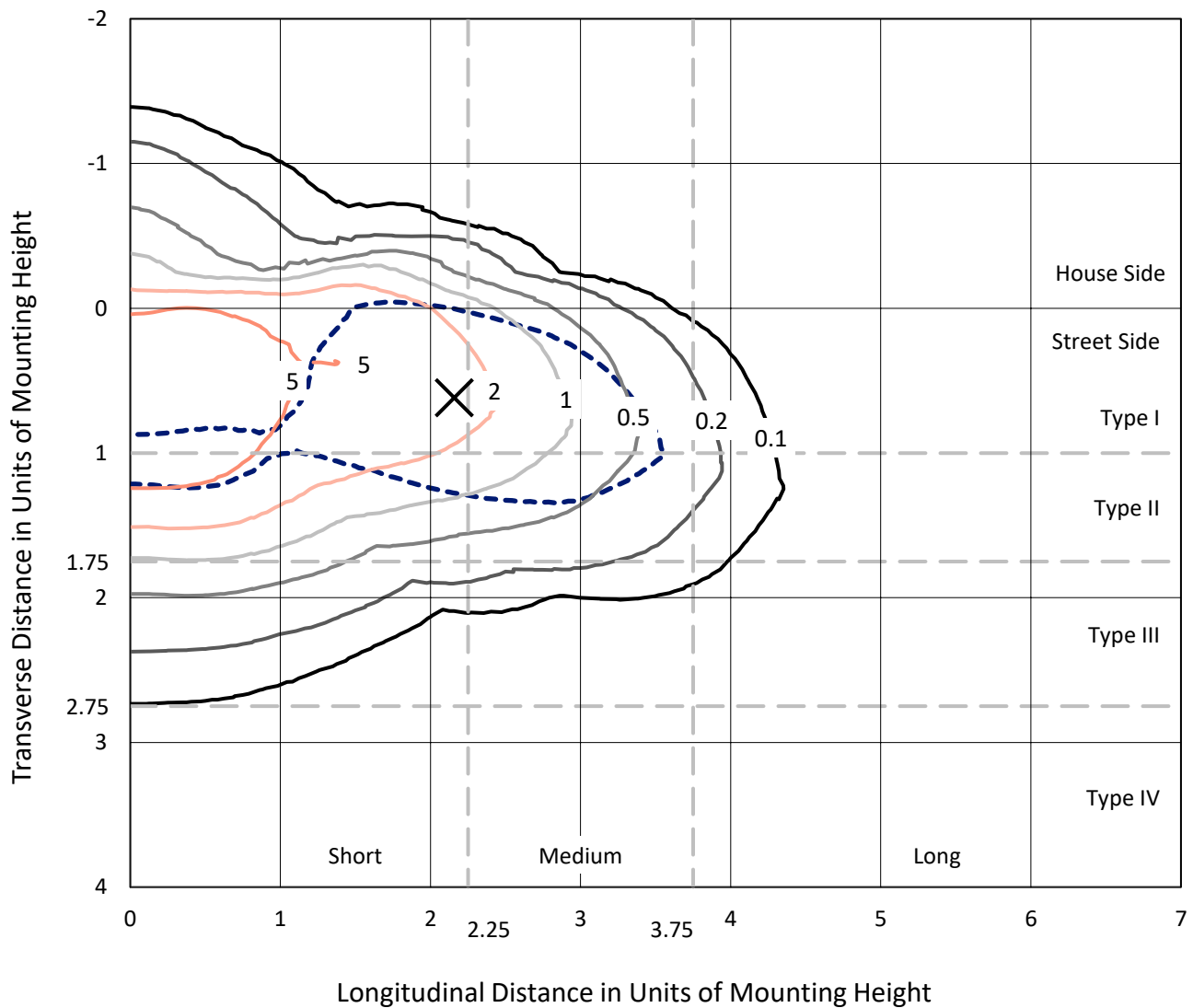


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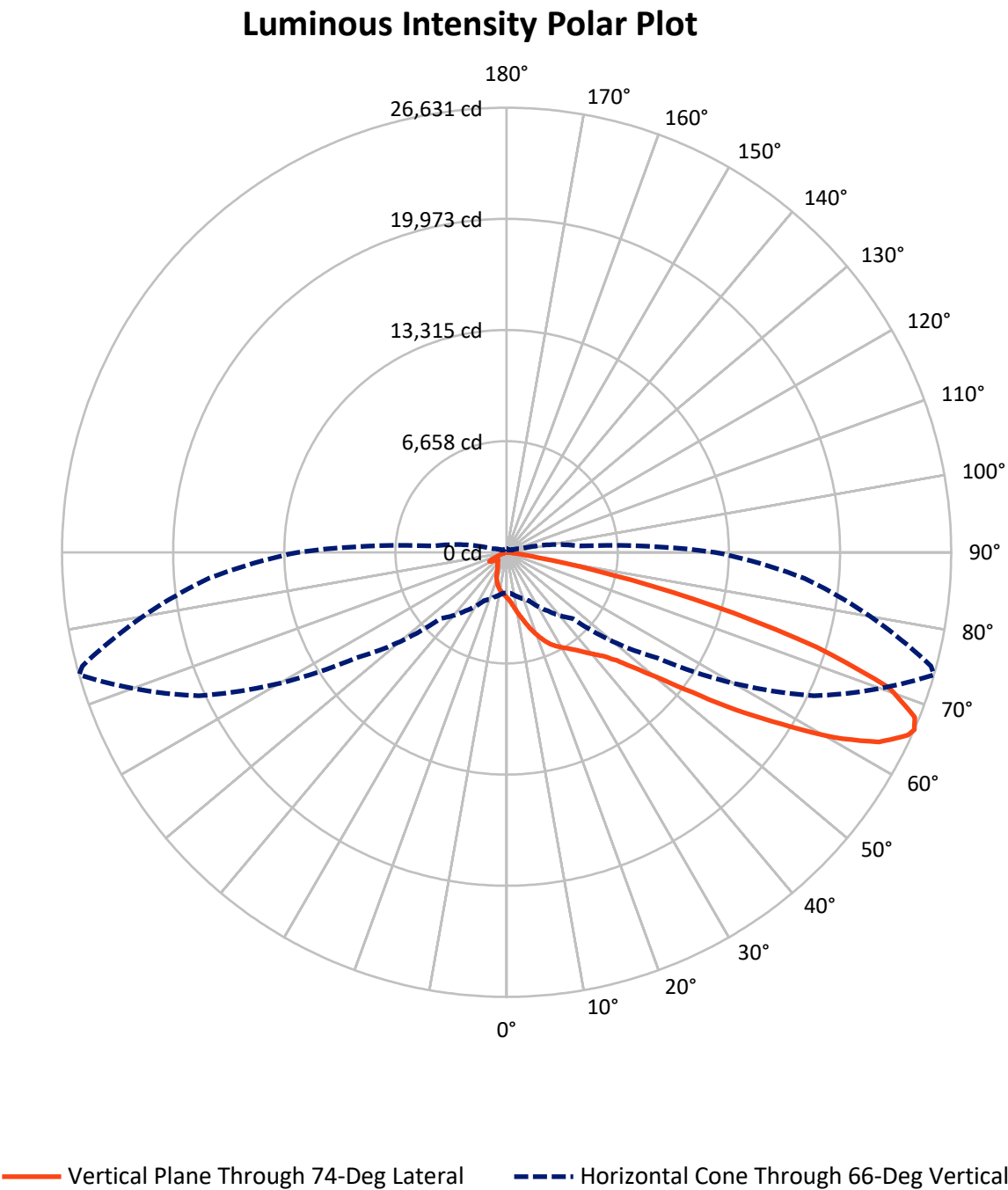
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2433.2	0.0	2433.2
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	22387.8	0.0	22387.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	24821.0	0.0	24821.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.5	1.1
10°-20°	847.8	3.4
20°-30°	1618.0	6.5
30°-40°	2835.9	11.4
40°-50°	4862.9	19.6
50°-60°	6324.6	25.5
60°-70°	5725.3	23.1
70°-80°	2209.1	8.9
80°-90°	132.9	0.5
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°	24821.0	100.0
0°-180°	24821.0	100.0

Coefficient of Utilization



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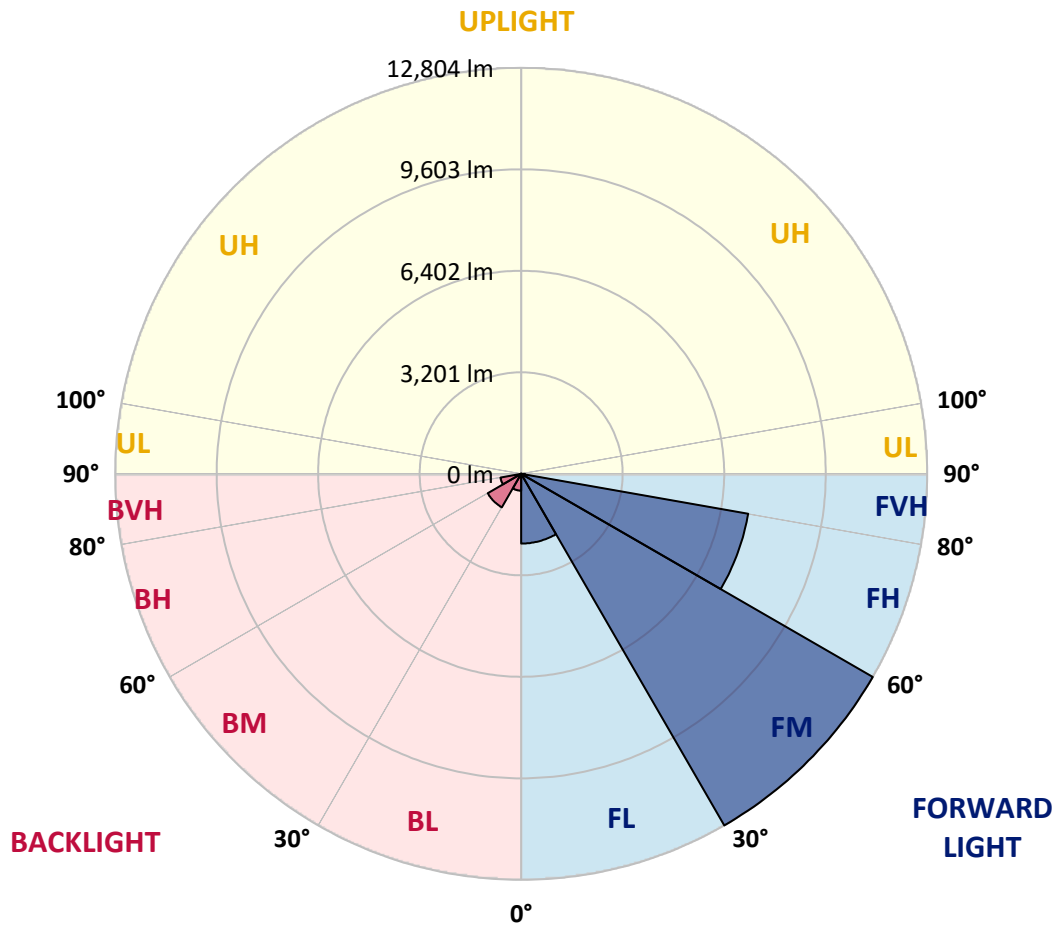
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2199.5	8.9			
FM	(30°-60°)	12803.9	51.6			
FH	(60°-80°)	7269.2	29.3			G3/7500
FVH	(80°-90°)	115.1	0.5			G2/225
BL	(0°-30°)	530.8	2.1	B2/1000		
BM	(30°-60°)	1219.5	4.9	B2/2500		
BH	(60°-80°)	665.2	2.7	B2/1000		G2/1000
BVH	(80°-90°)	17.8	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2709.4	2709.4	2709.4	2709.4	2709.4	2709.4	2709.4	2709.4	2709.4	2709.4	2709.4
2.5°	3253.1	3226.4	3177.3	3172.9	3132.8	3083.8	2999.1	2910.0	2847.6	2838.7	2762.9
5°	3894.8	3881.4	3832.4	3801.2	3725.5	3609.6	3413.5	3217.4	3052.6	3034.7	2865.4
7.5°	4064.1	4073.1	4082.0	4113.2	4086.4	4032.9	3885.9	3609.6	3351.1	3311.0	3016.9
10°	4090.9	4082.0	4082.0	4122.1	4197.8	4273.6	4255.8	4019.6	3685.4	3636.3	3226.4
12.5°	4380.5	4393.9	4362.7	4344.9	4331.5	4371.6	4505.3	4402.8	4037.4	3997.3	3480.4
15°	4754.9	4750.4	4705.8	4705.8	4665.7	4598.9	4683.6	4759.3	4460.8	4411.7	3770.0
17.5°	5026.7	5044.5	5040.1	5066.8	5053.4	4964.3	4919.7	5075.7	4897.5	4835.1	4099.8
20°	5245.1	5294.1	5311.9	5396.6	5436.7	5374.3	5258.4	5356.5	5316.4	5258.4	4434.0
22.5°	5476.8	5516.9	5548.1	5695.1	5806.6	5793.2	5646.1	5623.8	5721.9	5668.4	4763.8
25°	5708.5	5726.3	5819.9	5998.2	6176.4	6221.0	6069.5	5895.7	6087.3	6038.3	5057.9
27.5°	5962.5	5971.4	6082.8	6301.2	6550.8	6644.3	6524.0	6203.2	6368.0	6368.0	5325.3
30°	6426.0	6515.1	6559.7	6755.7	6974.1	7103.3	6960.7	6528.5	6617.6	6657.7	5606.0
32.5°	7424.2	7437.6	7424.2	7508.9	7553.4	7629.2	7464.3	6893.9	6871.6	6916.2	5882.3
35°	8948.2	8894.8	8752.2	8627.4	8368.9	8226.3	8012.4	7361.8	7183.5	7245.9	6154.1
37.5°	10797.6	10721.8	10396.5	10013.3	9460.7	8890.3	8622.9	7932.2	7580.2	7660.4	6448.3
40°	12562.3	12513.3	12125.6	11653.2	10708.5	9732.5	9166.6	8413.5	8021.3	8052.5	6746.8
42.5°	14015.0	14006.1	13680.8	13186.2	11974.1	10641.6	9808.3	8885.9	8484.8	8533.8	7058.8
45°	15115.7	15031.1	14790.4	14433.9	13199.5	11586.4	10583.7	9603.3	9229.0	9286.9	7526.7
47.5°	15115.7	15129.1	15285.1	15249.4	14055.2	12473.2	11430.4	10507.9	10329.7	10383.2	8297.6
50°	13885.8	14010.6	14705.8	15289.5	14500.8	13163.9	12343.9	11639.8	11822.5	11902.8	9643.4
52.5°	11452.7	11662.1	12869.8	14202.2	14171.0	13511.5	13288.7	13079.2	13899.2	14041.8	11630.9
55°	8703.1	8841.3	10414.4	12165.7	12736.1	13226.3	14113.1	14906.3	16648.7	16617.5	13649.6
57.5°	6501.7	6631.0	7985.7	9928.6	10681.7	11991.9	14536.4	16996.3	19376.0	19496.3	15543.6
60°	4781.6	4879.6	6033.8	7629.2	8716.5	10102.4	14367.1	19055.1	22517.7	22379.5	17214.7
62.5°	3538.3	3591.8	4425.1	5463.4	6907.3	8230.8	13302.0	20463.3	25026.5	24745.8	18146.0
65°	2736.2	2754.0	3186.3	3738.8	5022.2	6399.2	11715.6	20677.2	26412.5	26113.9	18128.2
66°	2437.6	2451.0	2767.4	3195.2	4273.6	5601.6	11020.4	20334.1	26630.8	26314.4	17905.4
67.5°	2045.4	2036.5	2223.7	2504.4	3208.5	4322.6	9786.0	19331.4	26372.3	26211.9	17192.4
70°	1515.1	1519.6	1613.2	1680.0	1876.1	2393.0	7067.7	16769.0	24304.6	24295.7	15236.1
72.5°	1123.0	1136.4	1207.7	1221.0	1172.0	1296.8	4073.1	13337.7	19442.8	19447.3	11390.3
75°	842.2	864.5	886.8	895.7	851.2	820.0	1840.4	8975.0	12789.6	12696.0	6448.3
77.5°	641.7	650.6	668.4	655.1	646.2	565.9	766.5	4376.1	6314.6	5753.1	2090.0
80°	467.9	467.9	485.7	467.9	463.5	405.5	418.9	1403.7	1853.8	1541.9	450.1
82.5°	294.1	289.7	303.0	298.6	289.7	258.5	245.1	392.2	427.8	383.2	218.4
85°	164.9	160.4	156.0	151.5	138.1	115.9	133.7	147.1	196.1	200.5	156.0
87.5°	57.9	57.9	53.5	49.0	40.1	40.1	49.0	49.0	71.3	71.3	80.2
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°	2709.4	2709.4	2709.4	2709.4	2709.4	2709.4	2709.4	2709.4	2709.4	2709.4	2709.4
2.5°	2727.3	2678.2	2606.9	2513.3	2446.5	2379.7	2308.4	2268.3	2210.3	2197.0	2214.8
5°	2776.3	2687.1	2508.9	2312.8	2143.5	1992.0	1849.4	1764.7	1680.0	1648.8	1662.2
7.5°	2878.8	2727.3	2424.2	2107.8	1827.1	1599.8	1430.5	1332.4	1256.7	1225.5	1234.4
10°	3030.3	2798.6	2344.0	1876.1	1515.1	1274.5	1131.9	1069.5	1024.9	1007.1	1011.6
12.5°	3213.0	2901.0	2241.5	1644.4	1247.8	1038.3	971.5	958.1	949.2	940.3	944.7
15°	3418.0	2990.2	2121.2	1417.1	1038.3	922.5	900.2	895.7	891.3	891.3	891.3
17.5°	3631.9	3070.4	1987.5	1203.2	904.6	851.2	837.8	837.8	837.8	842.2	842.2
20°	3832.4	3132.8	1831.5	1011.6	828.9	784.3	775.4	775.4	779.9	784.3	784.3
22.5°	4028.5	3159.5	1648.8	877.9	766.5	726.4	713.0	713.0	713.0	717.5	717.5
25°	4197.8	3159.5	1466.1	793.2	713.0	672.9	655.1	650.6	655.1	655.1	655.1
27.5°	4340.4	3146.1	1287.9	735.3	659.5	619.4	601.6	597.1	606.1	610.5	610.5
30°	4491.9	3128.3	1145.3	681.8	615.0	574.9	557.0	557.0	570.4	588.2	588.2
32.5°	4639.0	3141.7	1033.9	637.3	570.4	539.2	521.4	525.8	552.6	579.3	579.3
35°	4795.0	3168.4	967.0	606.1	539.2	508.0	494.6	508.0	534.8	561.5	561.5
37.5°	4950.9	3199.6	926.9	579.3	512.5	481.3	472.4	490.2	521.4	548.1	552.6
40°	5115.8	3226.4	882.3	552.6	494.6	459.0	454.5	472.4	512.5	539.2	543.7
42.5°	5320.8	3279.8	828.9	530.3	476.8	432.3	436.7	450.1	490.2	530.3	534.8
45°	5721.9	3449.2	775.4	508.0	454.5	418.9	410.0	418.9	463.5	508.0	516.9
47.5°	6475.0	3832.4	717.5	485.7	432.3	410.0	374.3	383.2	423.3	472.4	476.8
50°	7918.8	4647.9	686.3	463.5	414.4	378.8	338.7	338.7	369.9	414.4	414.4
52.5°	10169.3	6109.6	704.1	445.6	392.2	347.6	307.5	303.0	320.9	352.0	352.0
55°	12597.9	7713.8	770.9	427.8	365.4	329.8	285.2	262.9	276.3	294.1	294.1
57.5°	14523.1	8520.4	953.6	418.9	334.2	316.4	258.5	227.3	240.6	258.5	258.5
60°	15369.8	8048.1	1158.6	427.8	311.9	294.1	231.7	200.5	222.8	240.6	245.1
62.5°	14683.5	6626.5	1243.3	405.5	280.7	262.9	227.3	187.2	213.9	227.3	231.7
65°	13199.5	5035.6	971.5	352.0	258.5	227.3	205.0	178.3	200.5	213.9	213.9
66°	12495.4	4389.4	828.9	325.3	249.6	213.9	196.1	178.3	196.1	205.0	209.4
67.5°	11403.7	3462.5	615.0	285.2	231.7	196.1	182.7	169.3	187.2	196.1	196.1
70°	8917.0	2063.3	369.9	222.8	200.5	173.8	164.9	156.0	169.3	173.8	173.8
72.5°	5583.7	980.4	236.2	164.9	169.3	164.9	138.1	147.1	151.5	156.0	156.0
75°	2705.0	387.7	160.4	120.3	138.1	156.0	111.4	129.2	133.7	142.6	138.1
77.5°	753.1	187.2	102.5	89.1	120.3	120.3	84.7	102.5	120.3	151.5	138.1
80°	218.4	120.3	66.8	66.8	84.7	84.7	57.9	71.3	80.2	89.1	93.6
82.5°	151.5	80.2	44.6	49.0	49.0	53.5	35.7	35.7	44.6	44.6	49.0
85°	120.3	35.7	26.7	31.2	22.3	26.7	17.8	17.8	22.3	17.8	17.8
87.5°	49.0	17.8	17.8	17.8	13.4	13.4	8.9	4.5	4.5	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

(END OF REPORT)