

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: P1211228

Luminaire Tested: **ARCH4-210-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211228
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: ARCH4-210-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 835mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

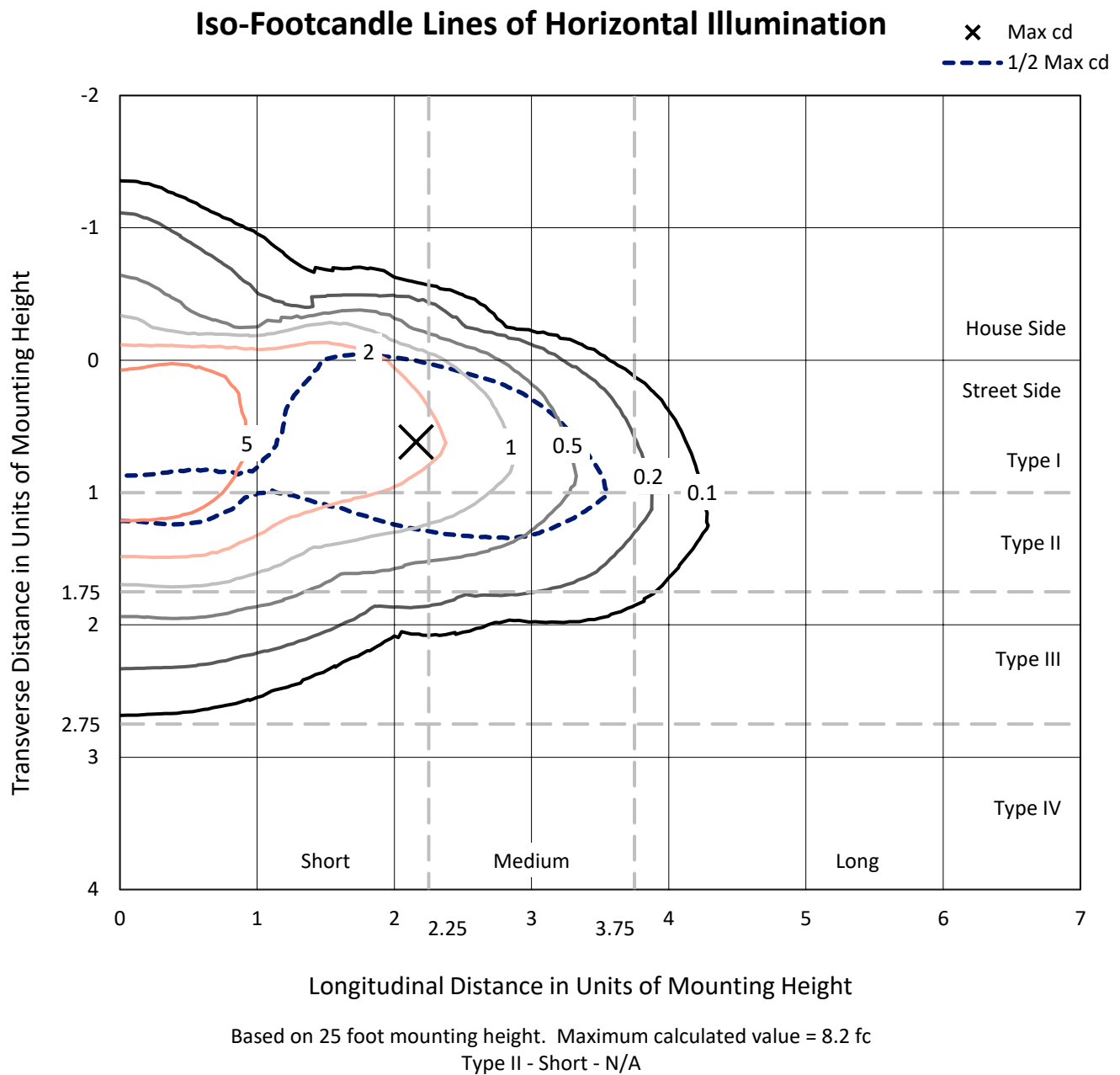
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22509 lumens
Efficiency: N/A
Efficacy: 105.6 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

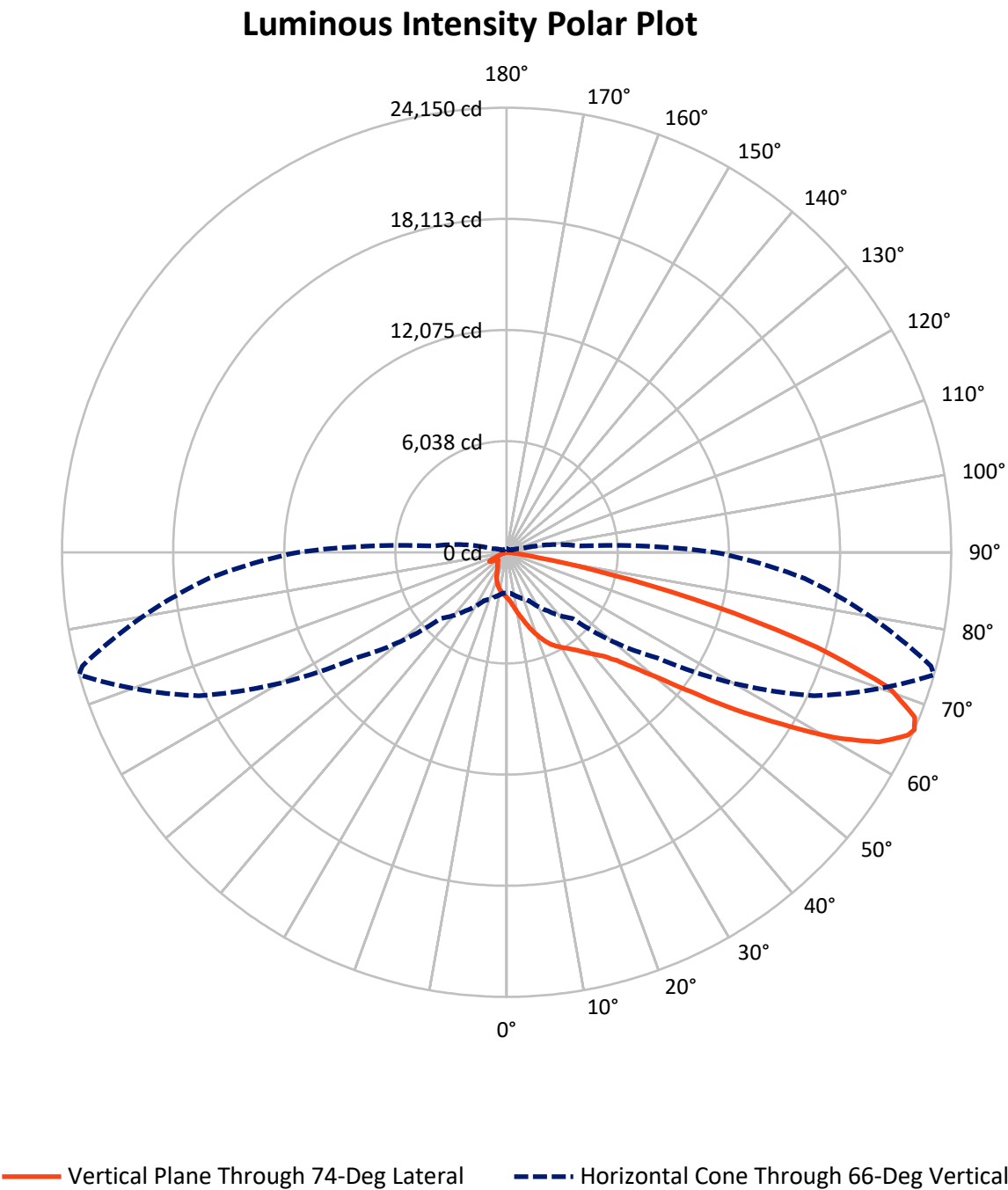
Input Watts (W): 213.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2206.6	0.0	2206.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	20302.4	0.0	20302.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	22509.0	0.0	22509.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.8	1.1
10°-20°	768.8	3.4
20°-30°	1467.3	6.5
30°-40°	2571.8	11.4
40°-50°	4409.9	19.6
50°-60°	5735.4	25.5
60°-70°	5192.0	23.1
70°-80°	2003.4	8.9
80°-90°	120.6	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°	22509.0	100.0
0°-180°	22509.0	100.0

Coefficient of Utilization



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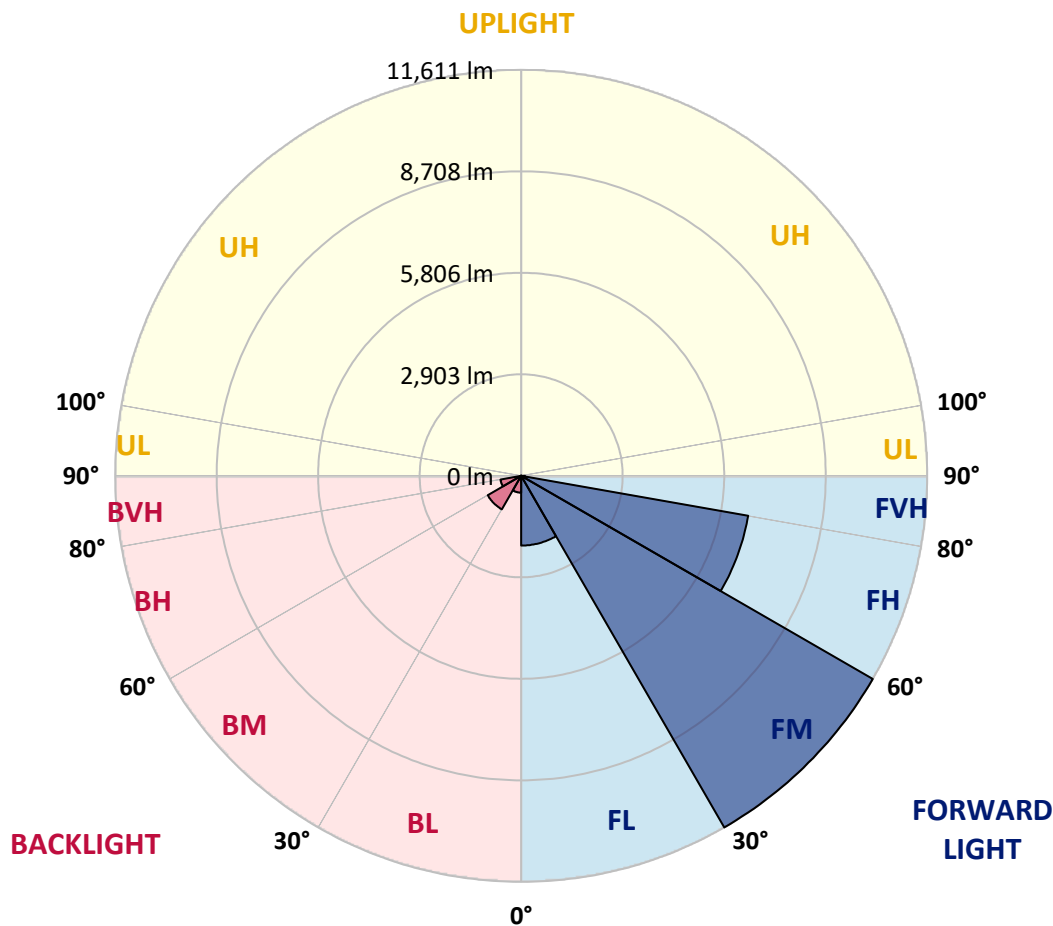
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1994.6	8.9			
FM	(30°-60°)	11611.3	51.6			
FH	(60°-80°)	6592.1	29.3			G3/7500
FVH	(80°-90°)	104.4	0.5			G2/225
BL	(0°-30°)	481.3	2.1	B1/500		
BM	(30°-60°)	1105.9	4.9	B2/2500		
BH	(60°-80°)	603.2	2.7	B2/1000		G2/1000
BVH	(80°-90°)	16.2	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°	2457.1	2457.1	2457.1	2457.1	2457.1	2457.1	2457.1	2457.1	2457.1	2457.1	2457.1
2.5°	2950.1	2925.8	2881.4	2877.3	2841.0	2796.5	2719.7	2638.9	2582.3	2574.2	2505.5
5°	3532.0	3519.9	3475.4	3447.1	3378.4	3273.4	3095.6	2917.7	2768.2	2752.1	2598.5
7.5°	3685.6	3693.7	3701.7	3730.0	3705.8	3657.3	3523.9	3273.4	3039.0	3002.6	2735.9
10°	3709.8	3701.7	3701.7	3738.1	3806.8	3875.5	3859.3	3645.2	3342.1	3297.6	2925.8
12.5°	3972.5	3984.6	3956.3	3940.2	3928.1	3964.4	4085.7	3992.7	3661.3	3625.0	3156.2
15°	4312.0	4307.9	4267.5	4267.5	4231.1	4170.5	4247.3	4316.0	4045.2	4000.8	3418.9
17.5°	4558.5	4574.6	4570.6	4594.8	4582.7	4501.9	4461.5	4602.9	4441.3	4384.7	3717.9
20°	4756.5	4801.0	4817.1	4893.9	4930.3	4873.7	4768.6	4857.5	4821.2	4768.6	4021.0
22.5°	4966.6	5003.0	5031.3	5164.7	5265.7	5253.6	5120.2	5100.0	5188.9	5140.4	4320.0
25°	5176.8	5192.9	5277.8	5439.5	5601.1	5641.5	5504.1	5346.5	5520.3	5475.8	4586.8
27.5°	5407.1	5415.2	5516.2	5714.3	5940.6	6025.4	5916.3	5625.4	5774.9	5774.9	4829.2
30°	5827.4	5908.2	5948.7	6126.5	6324.5	6441.7	6312.4	5920.4	6001.2	6037.6	5083.8
32.5°	6732.6	6744.8	6732.6	6809.4	6849.8	6918.5	6769.0	6251.7	6231.5	6271.9	5334.4
35°	8114.7	8066.2	7936.9	7823.8	7589.4	7460.1	7266.1	6676.1	6514.4	6571.0	5580.9
37.5°	9791.8	9723.1	9428.1	9080.6	8579.5	8062.2	7819.7	7193.3	6874.1	6946.8	5847.6
40°	11392.2	11347.7	10996.1	10567.7	9711.0	8826.0	8312.8	7629.8	7274.2	7302.5	6118.4
42.5°	12709.6	12701.5	12406.5	11957.9	10858.7	9650.4	8894.7	8058.2	7694.5	7738.9	6401.3
45°	13707.8	13631.0	13412.8	13089.5	11970.0	10507.1	9597.9	8708.8	8369.3	8421.9	6825.6
47.5°	13707.8	13719.9	13861.3	13829.0	12746.0	11311.3	10365.7	9529.2	9367.5	9416.0	7524.7
50°	12592.4	12705.5	13336.0	13865.4	13150.1	11937.7	11194.1	10555.6	10721.3	10794.1	8745.2
52.5°	10385.9	10575.8	11671.0	12879.3	12851.0	12252.9	12050.9	11860.9	12604.5	12733.8	10547.5
55°	7892.5	8017.7	9444.3	11032.5	11549.8	11994.3	12798.5	13517.8	15097.9	15069.6	12378.2
57.5°	5896.1	6013.3	7241.8	9003.8	9686.8	10874.9	13182.4	15413.2	17571.2	17680.3	14095.7
60°	4336.2	4425.1	5471.8	6918.5	7904.6	9161.4	13028.8	17280.2	20420.2	20294.9	15611.2
62.5°	3208.7	3257.2	4012.9	4954.5	6263.9	7464.1	12063.0	18557.2	22695.4	22440.8	16455.8
65°	2481.3	2497.5	2889.5	3390.6	4554.4	5803.2	10624.3	18751.2	23952.2	23681.5	16439.6
66°	2210.5	2222.7	2509.6	2897.5	3875.5	5079.8	9993.9	18440.0	24150.2	23863.3	16237.6
67.5°	1854.9	1846.8	2016.6	2271.2	2909.7	3920.0	8874.5	17530.7	23915.8	23770.4	15591.0
70°	1374.0	1378.1	1462.9	1523.5	1701.3	2170.1	6409.3	15207.0	22040.7	22032.6	13816.9
72.5°	1018.4	1030.5	1095.2	1107.3	1062.8	1176.0	3693.7	12095.3	17631.8	17635.8	10329.3
75°	763.8	784.0	804.2	812.3	771.9	743.6	1669.0	8139.0	11598.3	11513.4	5847.6
77.5°	581.9	590.0	606.2	594.1	586.0	513.2	695.1	3968.5	5726.4	5217.2	1895.3
80°	424.3	424.3	440.5	424.3	420.3	367.7	379.9	1273.0	1681.1	1398.3	408.2
82.5°	266.7	262.7	274.8	270.8	262.7	234.4	222.3	355.6	388.0	347.5	198.0
85°	149.5	145.5	141.4	137.4	125.3	105.1	121.2	133.4	177.8	181.9	141.4
87.5°	52.5	52.5	48.5	44.5	36.4	36.4	44.5	44.5	64.7	64.7	72.7
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°	2457.1	2457.1	2457.1	2457.1	2457.1	2457.1	2457.1	2457.1	2457.1	2457.1	2457.1
2.5°	2473.2	2428.8	2364.1	2279.2	2218.6	2158.0	2093.3	2057.0	2004.4	1992.3	2008.5
5°	2517.7	2436.8	2275.2	2097.4	1943.8	1806.4	1677.1	1600.3	1523.5	1495.2	1507.4
7.5°	2610.6	2473.2	2198.4	1911.5	1656.9	1450.8	1297.2	1208.3	1139.6	1111.3	1119.4
10°	2748.0	2537.9	2125.7	1701.3	1374.0	1155.8	1026.5	969.9	929.5	913.3	917.4
12.5°	2913.7	2630.8	2032.7	1491.2	1131.5	941.6	881.0	868.9	860.8	852.7	856.7
15°	3099.6	2711.6	1923.6	1285.1	941.6	836.5	816.3	812.3	808.2	808.2	808.2
17.5°	3293.6	2784.4	1802.4	1091.1	820.4	771.9	759.7	759.7	759.7	763.8	763.8
20°	3475.4	2841.0	1660.9	917.4	751.7	711.3	703.2	703.2	707.2	711.3	711.3
22.5°	3653.2	2865.2	1495.2	796.1	695.1	658.7	646.6	646.6	646.6	650.6	650.6
25°	3806.8	2865.2	1329.6	719.3	646.6	610.2	594.1	590.0	594.1	594.1	594.1
27.5°	3936.1	2853.1	1167.9	666.8	598.1	561.7	545.6	541.5	549.6	553.6	553.6
30°	4073.5	2836.9	1038.6	618.3	557.7	521.3	505.2	505.2	517.3	533.4	533.4
32.5°	4206.9	2849.0	937.6	577.9	517.3	489.0	472.8	476.9	501.1	525.4	525.4
35°	4348.3	2873.3	876.9	549.6	489.0	460.7	448.6	460.7	484.9	509.2	509.2
37.5°	4489.8	2901.6	840.6	525.4	464.7	436.5	428.4	444.5	472.8	497.1	501.1
40°	4639.3	2925.8	800.2	501.1	448.6	416.2	412.2	428.4	464.7	489.0	493.0
42.5°	4825.2	2974.3	751.7	480.9	432.4	392.0	396.0	408.2	444.5	480.9	484.9
45°	5188.9	3127.9	703.2	460.7	412.2	379.9	371.8	379.9	420.3	460.7	468.8
47.5°	5871.9	3475.4	650.6	440.5	392.0	371.8	339.5	347.5	383.9	428.4	432.4
50°	7181.2	4215.0	622.3	420.3	375.8	343.5	307.1	307.1	335.4	375.8	375.8
52.5°	9222.0	5540.5	638.5	404.1	355.6	315.2	278.8	274.8	291.0	319.3	319.3
55°	11424.5	6995.3	699.1	388.0	331.4	299.0	258.6	238.4	250.6	266.7	266.7
57.5°	13170.3	7726.8	864.8	379.9	303.1	286.9	234.4	206.1	218.2	234.4	234.4
60°	13938.1	7298.4	1050.7	388.0	282.9	266.7	210.1	181.9	202.1	218.2	222.3
62.5°	13315.8	6009.3	1127.5	367.7	254.6	238.4	206.1	169.7	194.0	206.1	210.1
65°	11970.0	4566.6	881.0	319.3	234.4	206.1	185.9	161.6	181.9	194.0	194.0
66°	11331.5	3980.6	751.7	295.0	226.3	194.0	177.8	161.6	177.8	185.9	189.9
67.5°	10341.4	3140.0	557.7	258.6	210.1	177.8	165.7	153.6	169.7	177.8	177.8
70°	8086.4	1871.1	335.4	202.1	181.9	157.6	149.5	141.4	153.6	157.6	157.6
72.5°	5063.6	889.1	214.2	149.5	153.6	149.5	125.3	133.4	137.4	141.4	141.4
75°	2453.0	351.6	145.5	109.1	125.3	141.4	101.0	117.2	121.2	129.3	125.3
77.5°	683.0	169.7	92.9	80.8	109.1	109.1	76.8	92.9	109.1	137.4	125.3
80°	198.0	109.1	60.6	60.6	76.8	76.8	52.5	64.7	72.7	80.8	84.9
82.5°	137.4	72.7	40.4	44.5	44.5	48.5	32.3	32.3	40.4	40.4	44.5
85°	109.1	32.3	24.2	28.3	20.2	24.2	16.2	16.2	20.2	16.2	16.2
87.5°	44.5	16.2	16.2	16.2	12.1	12.1	8.1	4.0	4.0	4.0	4.0
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)