

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: P1211196

Luminaire Tested: **ARCH4-200-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211196
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: ARCH4-200-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 800mA 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: 21714 lumens
Efficiency: N/A
Efficacy: 106.6 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): 203.7
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



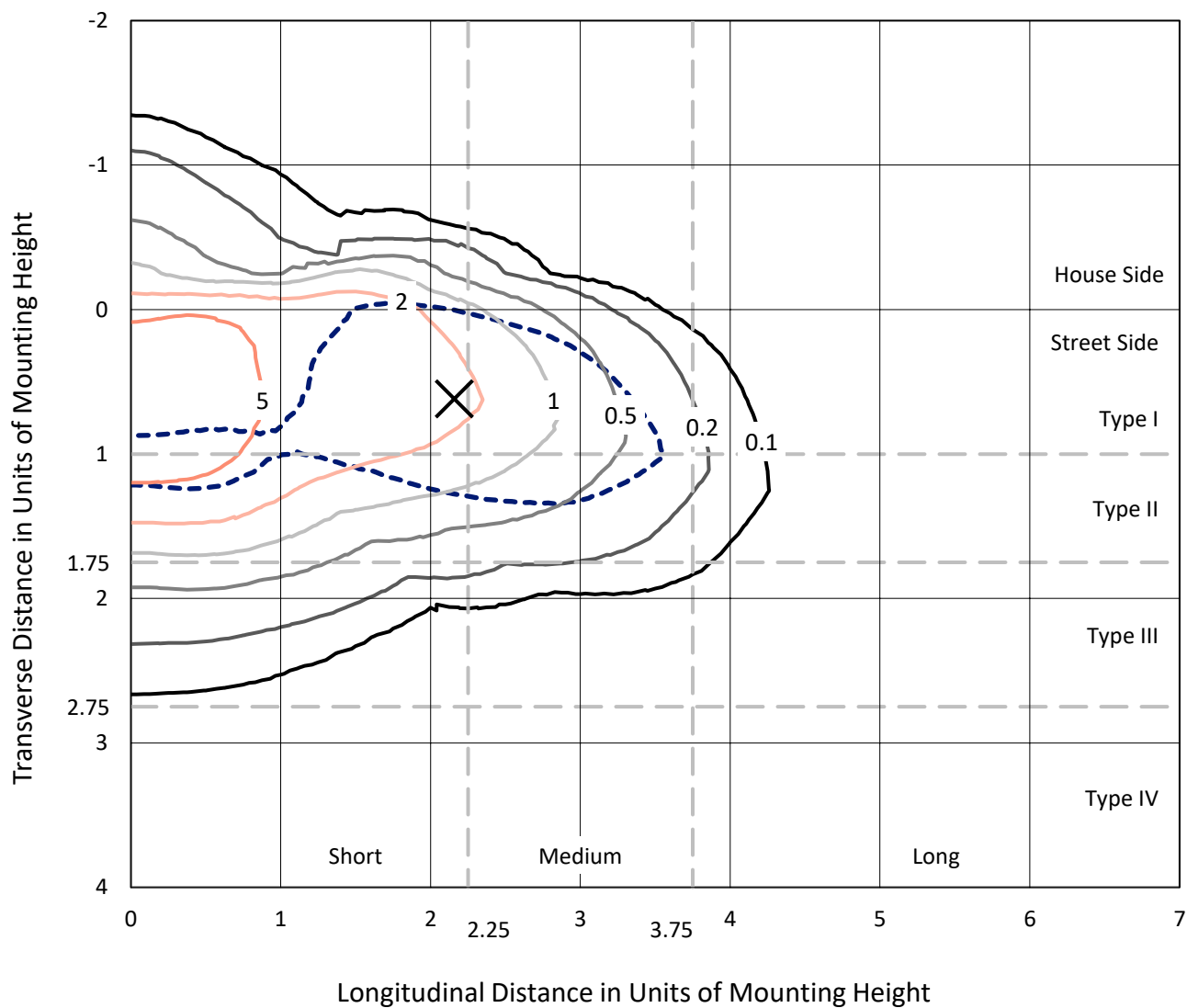
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Iso-Footcandle Lines of Horizontal Illumination

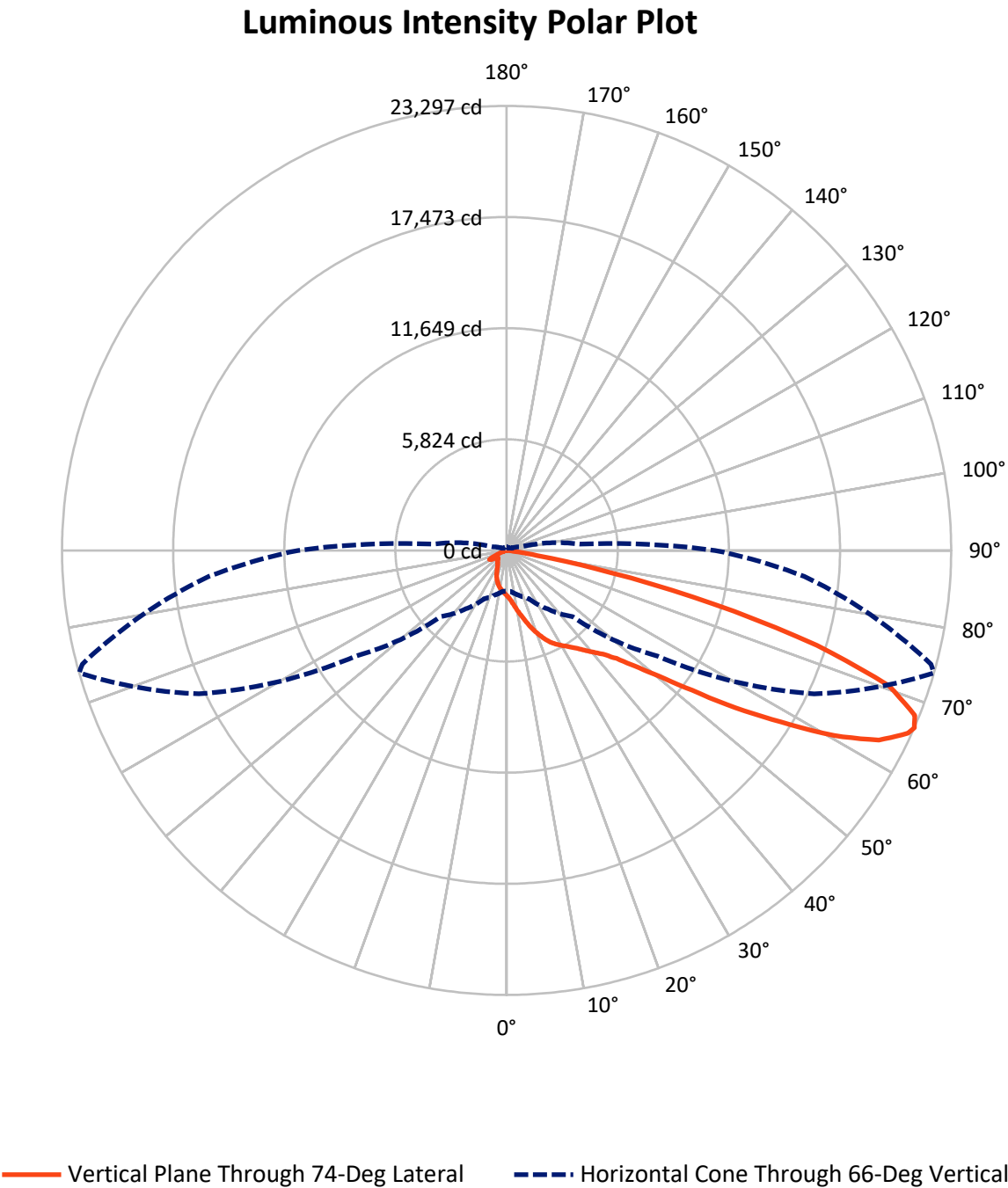
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2128.7	0.0	2128.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	19585.3	0.0	19585.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	21714.0	0.0	21714.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.3	1.1
10°-20°	741.7	3.4
20°-30°	1415.5	6.5
30°-40°	2480.9	11.4
40°-50°	4254.2	19.6
50°-60°	5532.9	25.5
60°-70°	5008.6	23.1
70°-80°	1932.6	8.9
80°-90°	116.3	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°	21714.0	100.0
0°-180°	21714.0	100.0

Coefficient of Utilization



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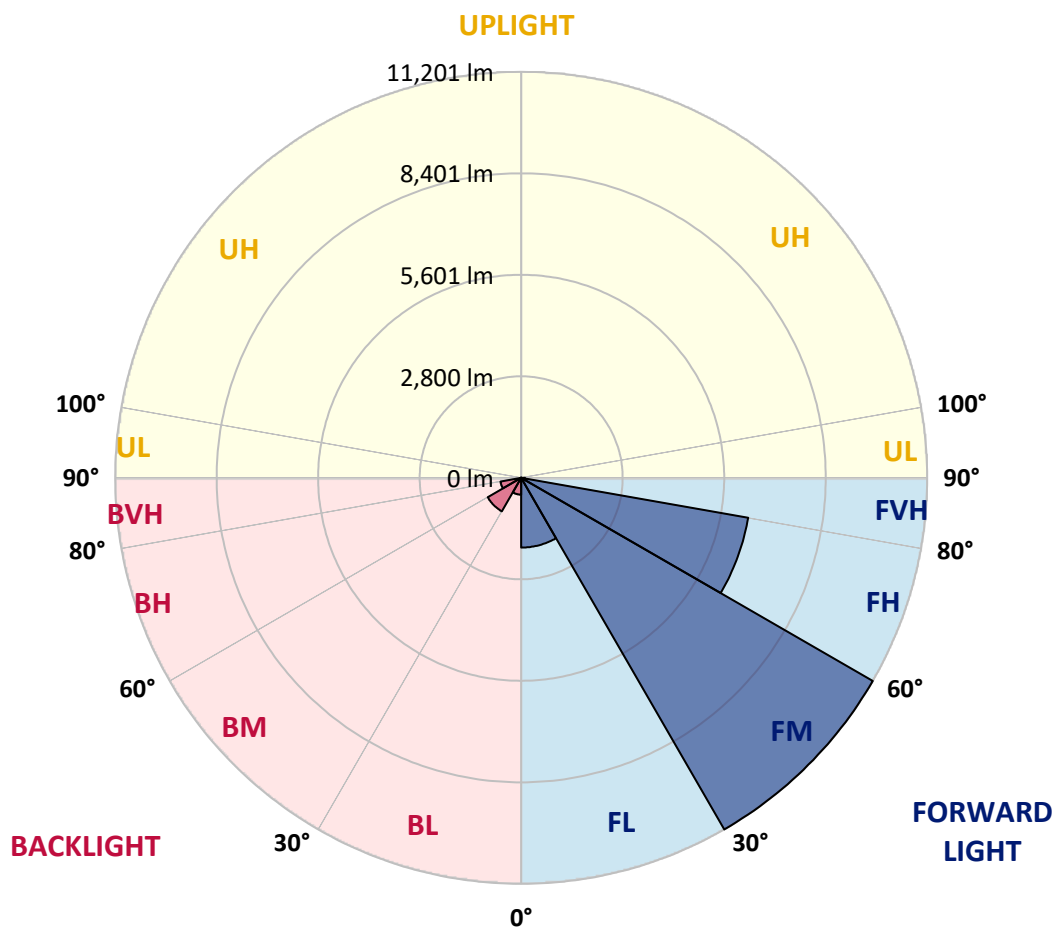
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1924.2	8.9			
FM	(30°-60°)	11201.2	51.6			
FH	(60°-80°)	6359.3	29.3			G3/7500
FVH	(80°-90°)	100.7	0.5			G2/225
BL	(0°-30°)	464.3	2.1	B1/500		
BM	(30°-60°)	1066.8	4.9	B2/2500		
BH	(60°-80°)	581.9	2.7	B2/1000		G2/1000
BVH	(80°-90°)	15.6	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°	2370.3	2370.3	2370.3	2370.3	2370.3	2370.3	2370.3	2370.3	2370.3	2370.3	2370.3
2.5°	2845.9	2822.5	2779.6	2775.7	2740.6	2697.7	2623.7	2545.7	2491.1	2483.3	2417.1
5°	3407.3	3395.6	3352.7	3325.4	3259.1	3157.8	2986.2	2814.7	2670.5	2654.9	2506.7
7.5°	3555.4	3563.2	3571.0	3598.3	3574.9	3528.1	3399.5	3157.8	2931.7	2896.6	2639.3
10°	3578.8	3571.0	3571.0	3606.1	3672.4	3738.6	3723.0	3516.4	3224.0	3181.2	2822.5
12.5°	3832.2	3843.9	3816.6	3801.0	3789.3	3824.4	3941.4	3851.7	3532.0	3496.9	3044.7
15°	4159.7	4155.8	4116.8	4116.8	4081.7	4023.2	4097.3	4163.6	3902.4	3859.5	3298.1
17.5°	4397.5	4413.1	4409.2	4432.6	4420.9	4342.9	4303.9	4440.4	4284.4	4229.8	3586.6
20°	4588.5	4631.4	4647.0	4721.0	4756.1	4701.6	4600.2	4686.0	4650.9	4600.2	3879.0
22.5°	4791.2	4826.3	4853.6	4982.2	5079.7	5068.0	4939.4	4919.9	5005.6	4958.9	4167.5
25°	4993.9	5009.5	5091.4	5247.3	5403.3	5442.3	5309.7	5157.7	5325.3	5282.4	4424.8
27.5°	5216.2	5224.0	5321.4	5512.4	5730.8	5812.6	5707.4	5426.7	5570.9	5570.9	4658.7
30°	5621.6	5699.6	5738.6	5910.1	6101.1	6214.2	6089.4	5711.3	5789.2	5824.3	4904.3
32.5°	6494.9	6506.5	6494.9	6568.9	6607.9	6674.2	6529.9	6030.9	6011.4	6050.4	5146.0
35°	7828.1	7781.3	7656.6	7547.4	7321.3	7196.6	7009.5	6440.3	6284.3	6338.9	5383.8
37.5°	9446.0	9379.7	9095.1	8759.9	8276.5	7777.5	7543.5	6939.3	6631.3	6701.5	5641.1
40°	10989.8	10946.9	10607.7	10194.5	9368.0	8514.3	8019.2	7360.3	7017.2	7044.5	5902.3
42.5°	12260.7	12252.9	11968.3	11535.6	10475.2	9309.6	8580.5	7773.6	7422.7	7465.6	6175.2
45°	13223.6	13149.5	12939.0	12627.1	11547.3	10136.0	9258.9	8401.2	8073.7	8124.4	6584.5
47.5°	13223.6	13235.3	13371.8	13340.6	12295.8	10911.8	9999.6	9192.6	9036.7	9083.4	7259.0
50°	12147.6	12256.8	12865.0	13375.7	12685.6	11516.1	10798.8	10182.8	10342.6	10412.8	8436.3
52.5°	10019.1	10202.3	11258.8	12424.4	12397.1	11820.2	11625.2	11442.0	12159.3	12284.1	10175.0
55°	7613.7	7734.6	9110.7	10642.8	11141.8	11570.7	12346.5	13040.4	14564.7	14537.4	11941.0
57.5°	5687.9	5800.9	6986.1	8685.8	9344.6	10490.8	12716.8	14868.8	16950.6	17055.8	13597.9
60°	4183.1	4268.8	5278.5	6674.2	7625.4	8837.8	12568.7	16669.9	19699.0	19578.1	15059.8
62.5°	3095.4	3142.2	3871.2	4779.5	6042.6	7200.5	11636.9	17901.8	21893.8	21648.2	15874.6
65°	2393.7	2409.3	2787.4	3270.8	4393.6	5598.2	10249.1	18088.9	23106.2	22845.0	15859.0
66°	2132.5	2144.2	2421.0	2795.2	3738.6	4900.4	9640.9	17788.7	23297.3	23020.5	15664.1
67.5°	1789.4	1781.6	1945.3	2190.9	2806.9	3781.5	8561.0	16911.6	23071.2	22930.8	15040.3
70°	1325.5	1329.4	1411.2	1469.7	1641.3	2093.5	6183.0	14669.9	21262.3	21254.5	13328.9
72.5°	982.4	994.1	1056.5	1068.2	1025.3	1134.5	3563.2	11668.1	17009.0	17012.9	9964.5
75°	736.8	756.3	775.8	783.6	744.6	717.3	1610.1	7851.5	11188.6	11106.7	5641.1
77.5°	561.4	569.2	584.8	573.1	565.3	495.1	670.5	3828.3	5524.1	5032.9	1828.4
80°	409.3	409.3	424.9	409.3	405.4	354.8	366.5	1228.0	1621.8	1348.9	393.7
82.5°	257.3	253.4	265.1	261.2	253.4	226.1	214.4	343.1	374.3	335.3	191.0
85°	144.2	140.3	136.4	132.5	120.9	101.4	117.0	128.6	171.5	175.4	136.4
87.5°	50.7	50.7	46.8	42.9	35.1	35.1	42.9	42.9	62.4	62.4	70.2
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°	2370.3	2370.3	2370.3	2370.3	2370.3	2370.3	2370.3	2370.3	2370.3	2370.3	2370.3
2.5°	2385.9	2343.0	2280.6	2198.7	2140.3	2081.8	2019.4	1984.3	1933.6	1921.9	1937.5
5°	2428.7	2350.8	2194.8	2023.3	1875.2	1742.6	1617.9	1543.8	1469.7	1442.4	1454.1
7.5°	2518.4	2385.9	2120.8	1844.0	1598.4	1399.6	1251.4	1165.6	1099.4	1072.1	1079.9
10°	2651.0	2448.2	2050.6	1641.3	1325.5	1115.0	990.2	935.6	896.6	881.1	885.0
12.5°	2810.8	2537.9	1960.9	1438.5	1091.6	908.3	849.9	838.2	830.4	822.6	826.5
15°	2990.1	2615.9	1855.7	1239.7	908.3	807.0	787.5	783.6	779.7	779.7	779.7
17.5°	3177.3	2686.0	1738.7	1052.6	791.4	744.6	732.9	732.9	732.9	736.8	736.8
20°	3352.7	2740.6	1602.3	885.0	725.1	686.1	678.3	678.3	682.2	686.1	686.1
22.5°	3524.2	2764.0	1442.4	768.0	670.5	635.5	623.8	623.8	623.8	627.7	627.7
25°	3672.4	2764.0	1282.6	693.9	623.8	588.7	573.1	569.2	573.1	573.1	573.1
27.5°	3797.1	2752.3	1126.7	643.2	577.0	541.9	526.3	522.4	530.2	534.1	534.1
30°	3929.7	2736.7	1001.9	596.5	538.0	502.9	487.3	487.3	499.0	514.6	514.6
32.5°	4058.3	2748.4	904.4	557.5	499.0	471.7	456.1	460.0	483.4	506.8	506.8
35°	4194.8	2771.8	846.0	530.2	471.7	444.4	432.7	444.4	467.8	491.2	491.2
37.5°	4331.2	2799.1	810.9	506.8	448.3	421.0	413.2	428.8	456.1	479.5	483.4
40°	4475.4	2822.5	771.9	483.4	432.7	401.5	397.6	413.2	448.3	471.7	475.6
42.5°	4654.8	2869.3	725.1	463.9	417.1	378.2	382.1	393.7	428.8	463.9	467.8
45°	5005.6	3017.4	678.3	444.4	397.6	366.5	358.7	366.5	405.4	444.4	452.2
47.5°	5664.5	3352.7	627.7	424.9	378.2	358.7	327.5	335.3	370.4	413.2	417.1
50°	6927.6	4066.1	600.4	405.4	362.6	331.4	296.3	296.3	323.6	362.6	362.6
52.5°	8896.3	5344.8	616.0	389.8	343.1	304.1	269.0	265.1	280.7	308.0	308.0
55°	11021.0	6748.3	674.4	374.3	319.7	288.5	249.5	230.0	241.7	257.3	257.3
57.5°	12705.1	7453.9	834.3	366.5	292.4	276.8	226.1	198.8	210.5	226.1	226.1
60°	13445.8	7040.6	1013.6	374.3	272.9	257.3	202.7	175.4	194.9	210.5	214.4
62.5°	12845.5	5797.0	1087.7	354.8	245.6	230.0	198.8	163.7	187.1	198.8	202.7
65°	11547.3	4405.3	849.9	308.0	226.1	198.8	179.3	155.9	175.4	187.1	187.1
66°	10931.3	3840.0	725.1	284.6	218.3	187.1	171.5	155.9	171.5	179.3	183.2
67.5°	9976.2	3029.1	538.0	249.5	202.7	171.5	159.8	148.1	163.7	171.5	171.5
70°	7800.8	1805.0	323.6	194.9	175.4	152.0	144.2	136.4	148.1	152.0	152.0
72.5°	4884.8	857.7	206.6	144.2	148.1	144.2	120.9	128.6	132.5	136.4	136.4
75°	2366.4	339.2	140.3	105.3	120.9	136.4	97.5	113.1	117.0	124.8	120.9
77.5°	658.8	163.7	89.7	78.0	105.3	105.3	74.1	89.7	105.3	132.5	120.9
80°	191.0	105.3	58.5	58.5	74.1	74.1	50.7	62.4	70.2	78.0	81.9
82.5°	132.5	70.2	39.0	42.9	42.9	46.8	31.2	31.2	39.0	39.0	42.9
85°	105.3	31.2	23.4	27.3	19.5	23.4	15.6	15.6	19.5	15.6	15.6
87.5°	42.9	15.6	15.6	15.6	11.7	11.7	7.8	3.9	3.9	3.9	3.9
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)