

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: P1211380

Luminaire Tested: **ARCH4-260-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211380
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: ARCH4-260-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1010mA 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: 22979 lumens
Efficiency: N/A
Efficacy: 88.7 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): 259.2
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



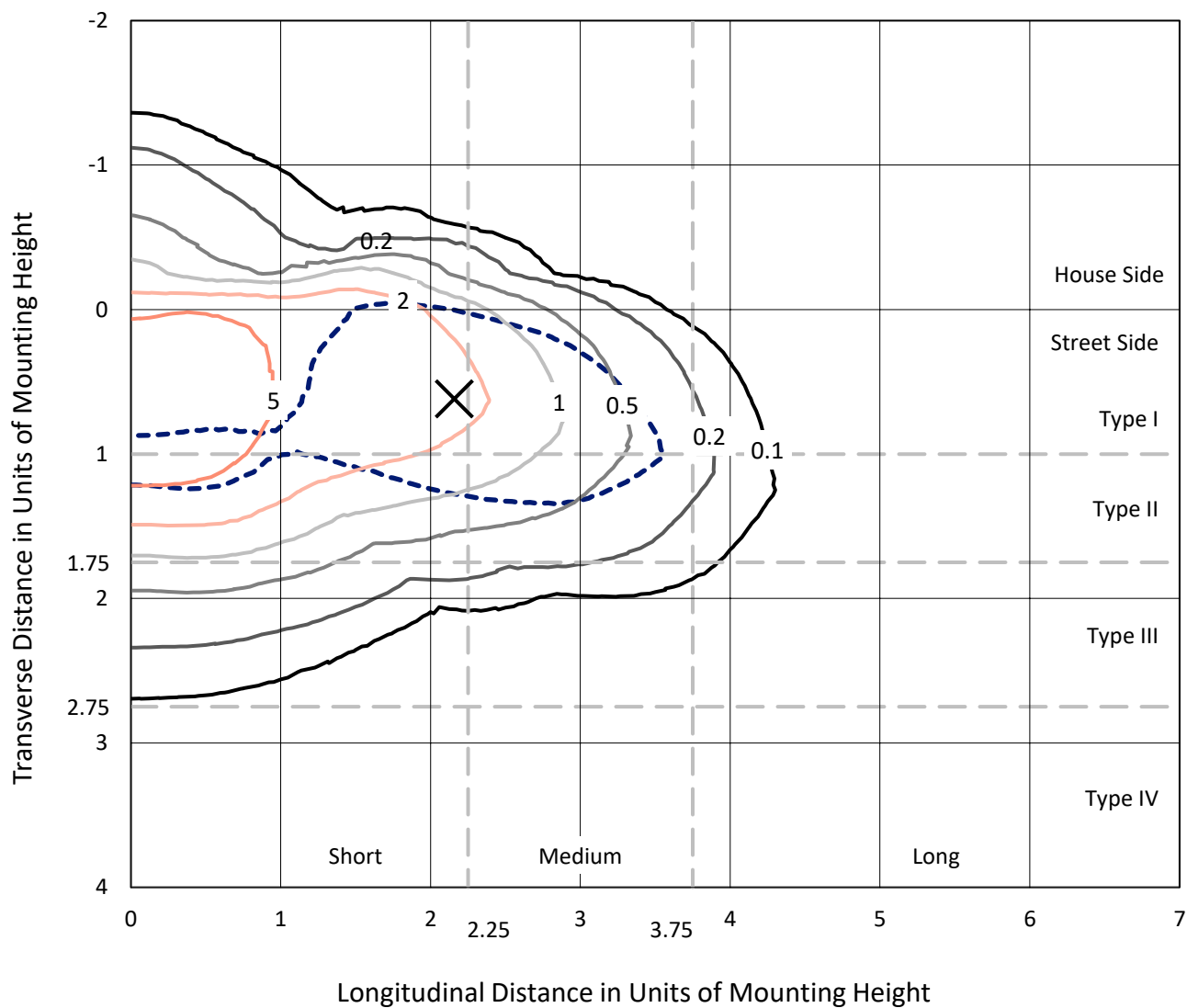
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Iso-Footcandle Lines of Horizontal Illumination

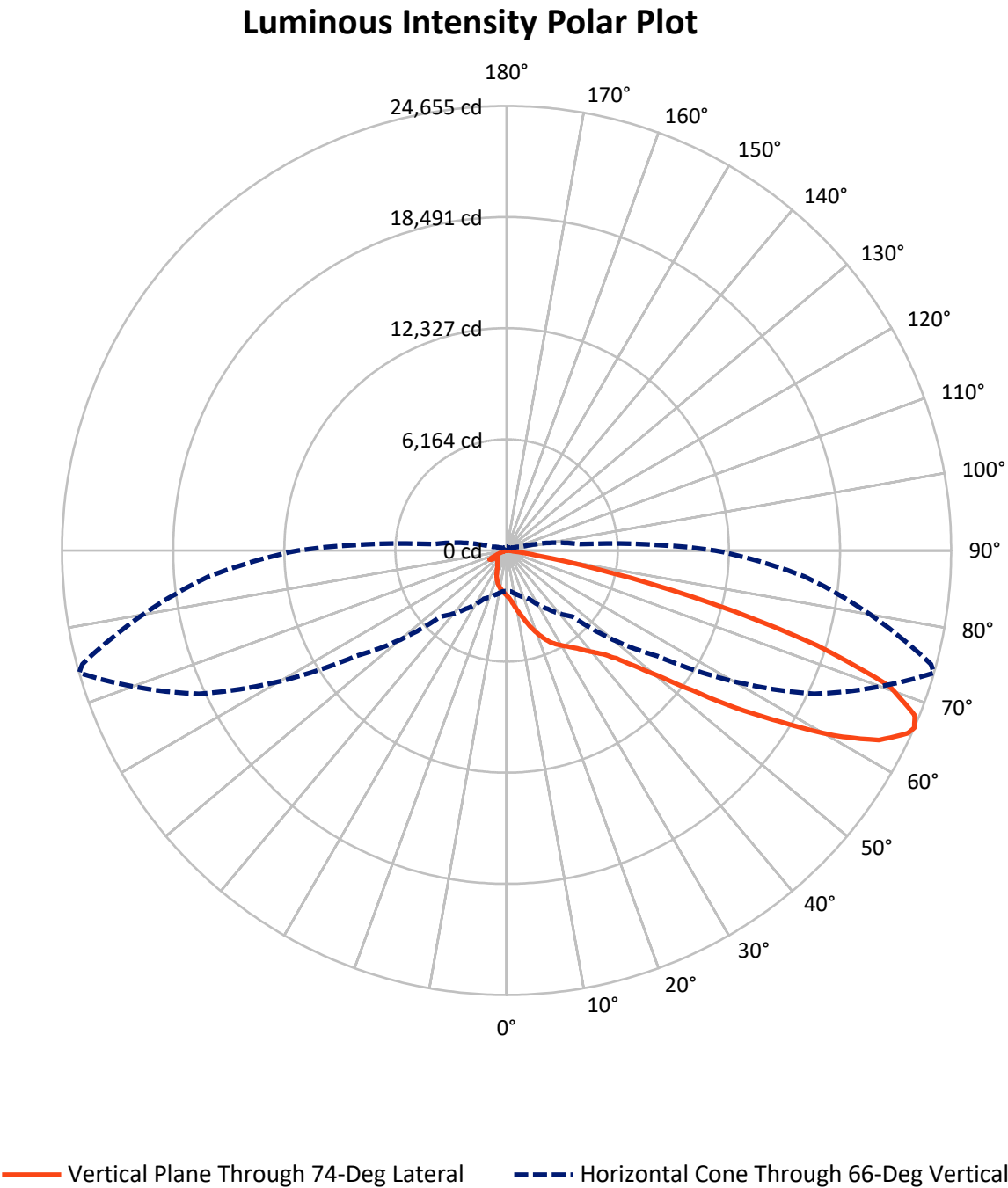
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2252.7	0.0	2252.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	20726.3	0.0	20726.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	22979.0	0.0	22979.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.8	1.1
10°-20°	784.9	3.4
20°-30°	1497.9	6.5
30°-40°	2625.5	11.4
40°-50°	4502.0	19.6
50°-60°	5855.2	25.5
60°-70°	5300.4	23.1
70°-80°	2045.2	8.9
80°-90°	123.1	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°	22979.0	100.0
0°-180°	22979.0	100.0

Coefficient of Utilization



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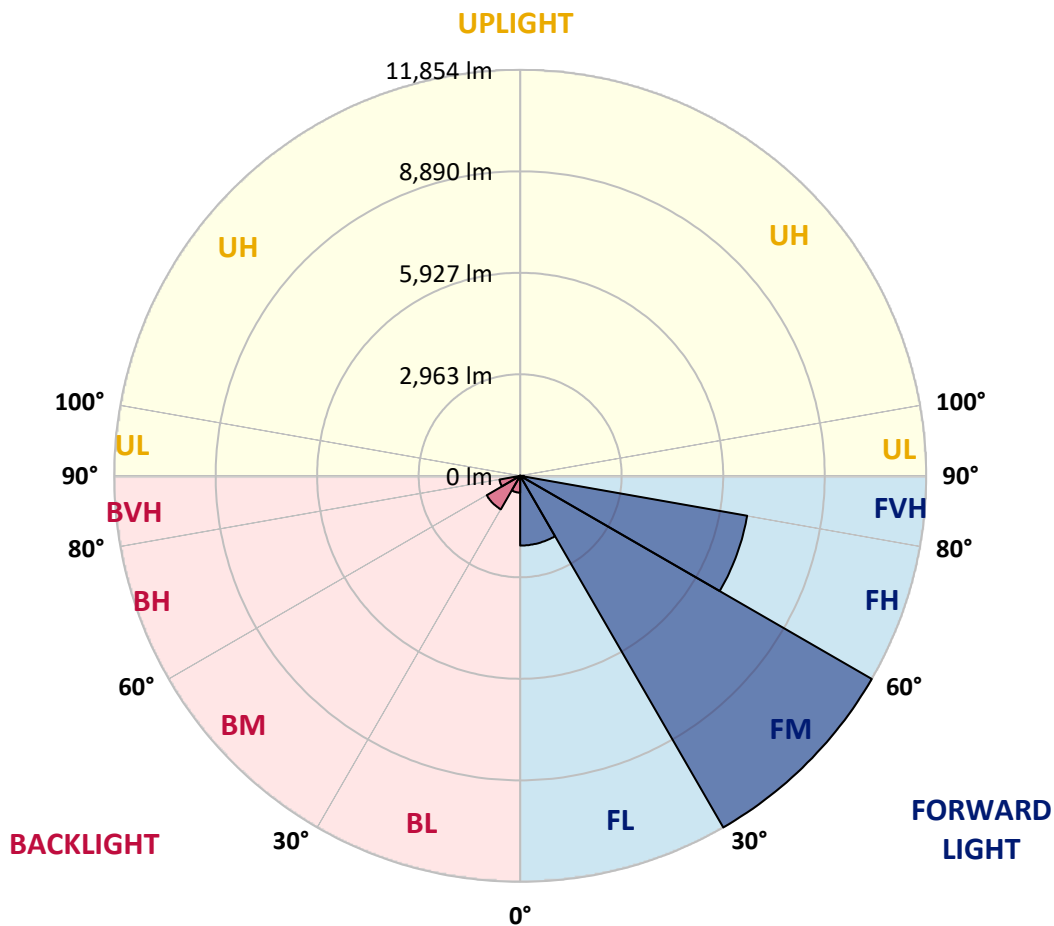
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2036.3	8.9			
FM	(30°-60°)	11853.7	51.6			
FH	(60°-80°)	6729.8	29.3			G3/7500
FVH	(80°-90°)	106.6	0.5			G2/225
BL	(0°-30°)	491.4	2.1	B1/500		
BM	(30°-60°)	1129.0	4.9	B2/2500		
BH	(60°-80°)	615.8	2.7	B2/1000		G2/1000
BVH	(80°-90°)	16.5	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°	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4
2.5°	3011.7	2986.9	2941.5	2937.4	2900.3	2854.9	2776.5	2694.0	2636.2	2628.0	2557.9
5°	3605.8	3593.4	3548.0	3519.1	3449.0	3341.7	3160.2	2978.7	2826.0	2809.5	2652.8
7.5°	3762.5	3770.8	3779.0	3807.9	3783.2	3733.7	3597.5	3341.7	3102.4	3065.3	2793.0
10°	3787.3	3779.0	3779.0	3816.2	3886.3	3956.4	3939.9	3721.3	3411.9	3366.5	2986.9
12.5°	4055.5	4067.8	4038.9	4022.4	4010.1	4047.2	4171.0	4076.1	3737.8	3700.7	3222.1
15°	4402.0	4397.9	4356.6	4356.6	4319.5	4257.6	4336.0	4406.1	4129.7	4084.3	3490.2
17.5°	4653.7	4670.2	4666.0	4690.8	4678.4	4595.9	4554.6	4699.0	4534.0	4476.3	3795.5
20°	4855.8	4901.2	4917.7	4996.1	5033.2	4975.5	4868.2	4959.0	4921.8	4868.2	4105.0
22.5°	5070.3	5107.5	5136.4	5272.5	5375.6	5363.3	5227.1	5206.5	5297.3	5247.7	4410.3
25°	5284.9	5301.4	5388.0	5553.0	5718.1	5759.3	5619.0	5458.2	5635.6	5590.2	4682.5
27.5°	5520.0	5528.3	5631.4	5833.6	6064.6	6151.2	6039.9	5742.8	5895.5	5895.5	4930.1
30°	5949.1	6031.6	6072.9	6254.4	6456.5	6576.2	6444.2	6044.0	6126.5	6163.6	5190.0
32.5°	6873.2	6885.6	6873.2	6951.6	6992.9	7063.0	6910.4	6382.3	6361.7	6402.9	5445.8
35°	8284.2	8234.7	8102.7	7987.1	7747.9	7615.8	7417.8	6815.5	6650.4	6708.2	5697.4
37.5°	9996.3	9926.2	9625.0	9270.2	8758.6	8230.5	7983.0	7343.5	7017.6	7091.9	5969.7
40°	11630.0	11584.6	11225.7	10788.4	9913.8	9010.3	8486.3	7789.1	7426.1	7454.9	6246.1
42.5°	12975.0	12966.7	12665.6	12207.6	11085.5	9851.9	9080.4	8226.4	7855.1	7900.5	6534.9
45°	13994.0	13915.6	13692.8	13362.8	12220.0	10726.5	9798.3	8890.6	8544.1	8597.7	6968.1
47.5°	13994.0	14006.4	14150.8	14117.8	13012.1	11547.5	10582.1	9728.1	9563.1	9612.6	7681.8
50°	12855.3	12970.8	13614.4	14154.9	13424.7	12187.0	11427.9	10776.0	10945.2	11019.4	8927.8
52.5°	10602.8	10796.7	11914.7	13148.2	13119.4	12508.8	12302.5	12108.6	12867.7	12999.7	10767.8
55°	8057.3	8185.2	9641.5	11262.9	11790.9	12244.7	13065.7	13800.1	15413.2	15384.3	12636.7
57.5°	6019.2	6138.9	7393.1	9191.8	9889.0	11102.0	13457.7	15735.0	17938.0	18049.4	14390.0
60°	4426.8	4517.5	5586.0	7063.0	8069.6	9352.7	13300.9	17641.0	20846.6	20718.7	15937.1
62.5°	3275.7	3325.2	4096.7	5058.0	6394.7	7620.0	12314.9	18944.7	23169.3	22909.4	16799.4
65°	2533.1	2549.6	2949.8	3461.4	4649.5	5924.3	10846.2	19142.7	24452.4	24175.9	16782.9
66°	2256.7	2269.1	2562.0	2958.0	3956.4	5185.9	10202.6	18825.1	24654.5	24361.6	16576.6
67.5°	1893.6	1885.4	2058.7	2318.6	2970.4	4001.8	9059.8	17896.8	24415.2	24266.7	15916.5
70°	1402.7	1406.8	1493.5	1555.3	1736.9	2215.4	6543.2	15524.6	22500.9	22492.7	14105.4
72.5°	1039.6	1052.0	1118.0	1130.4	1085.0	1200.5	3770.8	12347.9	17999.9	18004.1	10545.0
75°	779.7	800.4	821.0	829.2	788.0	759.1	1703.9	8308.9	11840.4	11753.8	5969.7
77.5°	594.1	602.3	618.8	606.5	598.2	523.9	709.6	4051.3	5846.0	5326.1	1934.9
80°	433.2	433.2	449.7	433.2	429.1	375.4	387.8	1299.6	1716.2	1427.5	416.7
82.5°	272.3	268.2	280.5	276.4	268.2	239.3	226.9	363.1	396.1	354.8	202.2
85°	152.6	148.5	144.4	140.3	127.9	107.3	123.8	136.1	181.5	185.7	144.4
87.5°	53.6	53.6	49.5	45.4	37.1	37.1	45.4	45.4	66.0	66.0	74.3
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°	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4	2508.4
2.5°	2524.9	2479.5	2413.5	2326.8	2264.9	2203.1	2137.1	2099.9	2046.3	2033.9	2050.4
5°	2570.2	2487.7	2322.7	2141.2	1984.4	1844.1	1712.1	1633.7	1555.3	1526.5	1538.8
7.5°	2665.1	2524.9	2244.3	1951.4	1691.5	1481.1	1324.3	1233.6	1163.4	1134.5	1142.8
10°	2805.4	2590.9	2170.1	1736.9	1402.7	1179.9	1047.9	990.1	948.9	932.4	936.5
12.5°	2974.5	2685.8	2075.2	1522.3	1155.2	961.3	899.4	887.0	878.7	870.5	874.6
15°	3164.3	2768.3	1963.8	1311.9	961.3	854.0	833.4	829.2	825.1	825.1	825.1
17.5°	3362.4	2842.5	1840.0	1113.9	837.5	788.0	775.6	775.6	775.6	779.7	779.7
20°	3548.0	2900.3	1695.6	936.5	767.4	726.1	717.9	717.9	722.0	726.1	726.1
22.5°	3729.5	2925.0	1526.5	812.7	709.6	672.5	660.1	660.1	660.1	664.2	664.2
25°	3886.3	2925.0	1357.3	734.4	660.1	623.0	606.5	602.3	606.5	606.5	606.5
27.5°	4018.3	2912.7	1192.3	680.7	610.6	573.5	557.0	552.8	561.1	565.2	565.2
30°	4158.6	2896.2	1060.3	631.2	569.3	532.2	515.7	515.7	528.1	544.6	544.6
32.5°	4294.7	2908.5	957.1	590.0	528.1	499.2	482.7	486.8	511.6	536.3	536.3
35°	4439.1	2933.3	895.3	561.1	499.2	470.3	457.9	470.3	495.1	519.8	519.8
37.5°	4583.5	2962.2	858.1	536.3	474.4	445.6	437.3	453.8	482.7	507.4	511.6
40°	4736.2	2986.9	816.9	511.6	457.9	424.9	420.8	437.3	474.4	499.2	503.3
42.5°	4926.0	3036.4	767.4	490.9	441.4	400.2	404.3	416.7	453.8	490.9	495.1
45°	5297.3	3193.2	717.9	470.3	420.8	387.8	379.6	387.8	429.1	470.3	478.6
47.5°	5994.5	3548.0	664.2	449.7	400.2	379.6	346.5	354.8	391.9	437.3	441.4
50°	7331.2	4303.0	635.3	429.1	383.7	350.7	313.5	313.5	342.4	383.7	383.7
52.5°	9414.6	5656.2	651.8	412.6	363.1	321.8	284.7	280.5	297.0	325.9	325.9
55°	11663.0	7141.4	713.7	396.1	338.3	305.3	264.0	243.4	255.8	272.3	272.3
57.5°	13445.3	7888.1	882.9	387.8	309.4	292.9	239.3	210.4	222.8	239.3	239.3
60°	14229.1	7450.8	1072.7	396.1	288.8	272.3	214.5	185.7	206.3	222.8	226.9
62.5°	13593.8	6134.7	1151.0	375.4	259.9	243.4	210.4	173.3	198.0	210.4	214.5
65°	12220.0	4661.9	899.4	325.9	239.3	210.4	189.8	165.0	185.7	198.0	198.0
66°	11568.1	4063.7	767.4	301.2	231.0	198.0	181.5	165.0	181.5	189.8	193.9
67.5°	10557.4	3205.6	569.3	264.0	214.5	181.5	169.1	156.8	173.3	181.5	181.5
70°	8255.3	1910.1	342.4	206.3	185.7	160.9	152.6	144.4	156.8	160.9	160.9
72.5°	5169.4	907.6	218.7	152.6	156.8	152.6	127.9	136.1	140.3	144.4	144.4
75°	2504.2	358.9	148.5	111.4	127.9	144.4	103.1	119.6	123.8	132.0	127.9
77.5°	697.2	173.3	94.9	82.5	111.4	111.4	78.4	94.9	111.4	140.3	127.9
80°	202.2	111.4	61.9	61.9	78.4	78.4	53.6	66.0	74.3	82.5	86.6
82.5°	140.3	74.3	41.3	45.4	45.4	49.5	33.0	33.0	41.3	41.3	45.4
85°	111.4	33.0	24.8	28.9	20.6	24.8	16.5	16.5	20.6	16.5	16.5
87.5°	45.4	16.5	16.5	16.5	12.4	12.4	8.3	4.1	4.1	4.1	4.1
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)