

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: P1210943

Luminaire Tested: **ARCH4-120-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-120-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1000mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

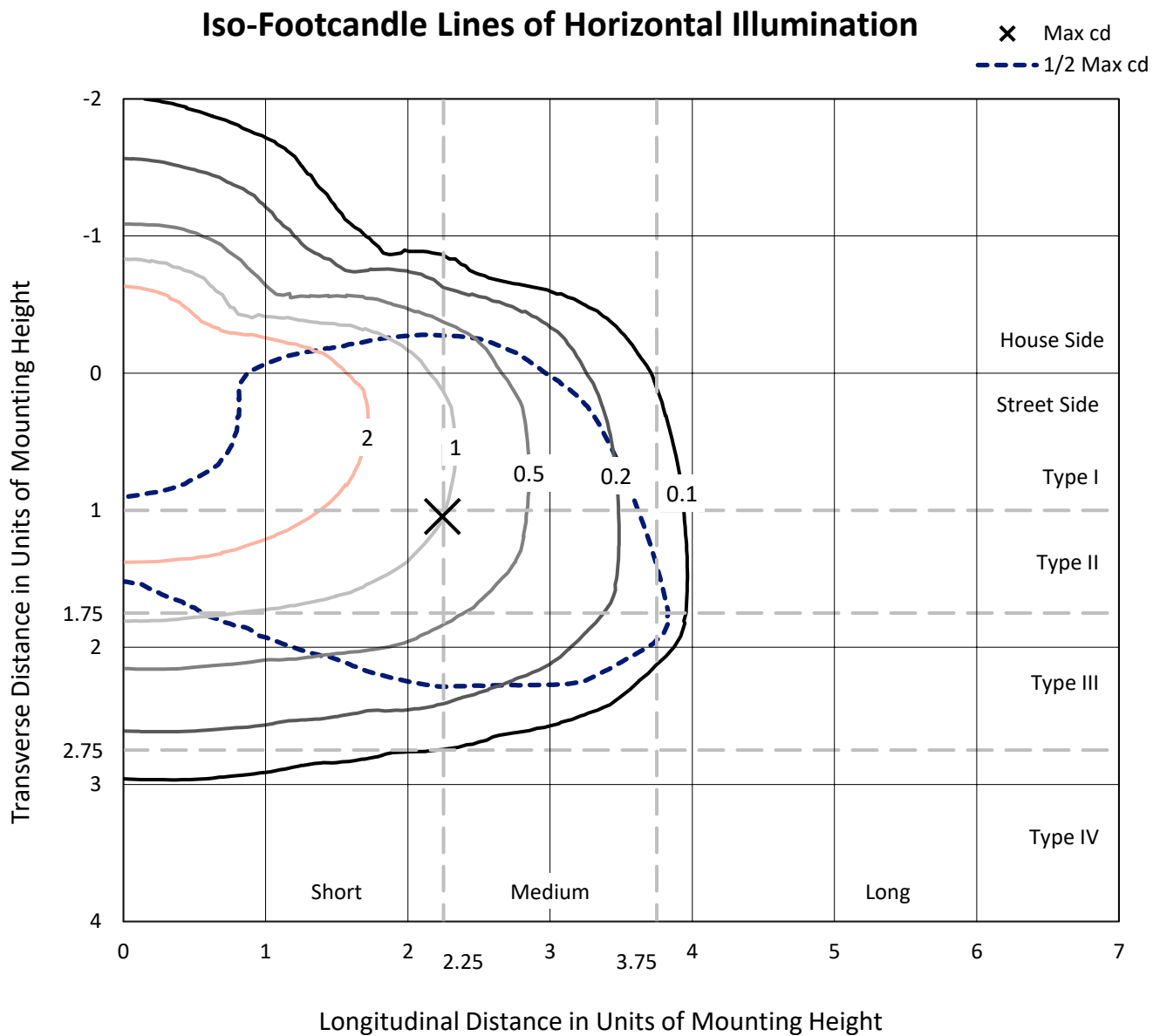
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19849 lumens
Efficiency: N/A
Efficacy: 162.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 122
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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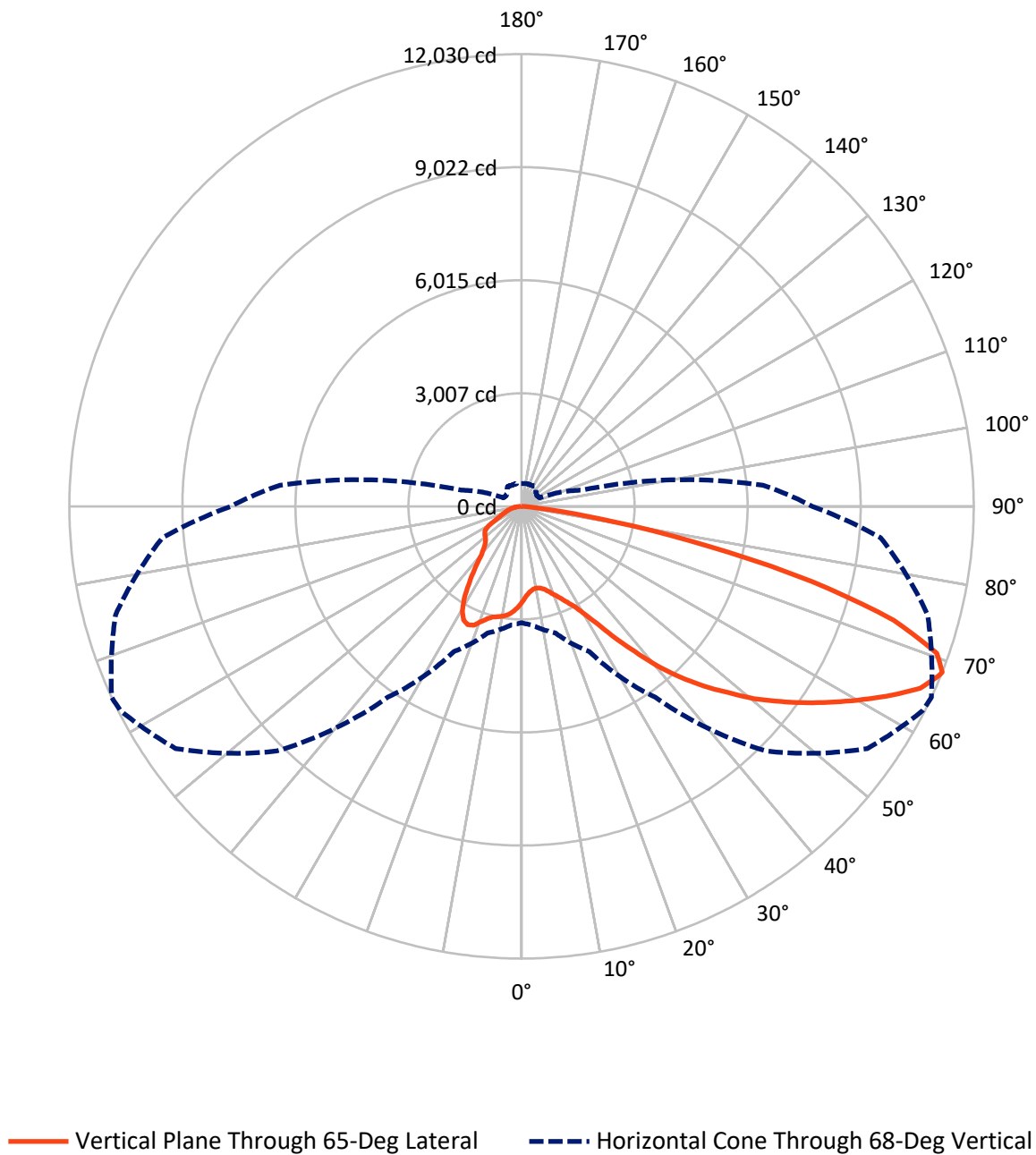


Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4866.4	0.0	4866.4
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	14982.6	0.0	14982.6
	% Fixture	75.5	0.0	75.5
Total	Lumens	19849.0	0.0	19849.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.4	1.2
10°-20°	789.3	4.0
20°-30°	1428.5	7.2
30°-40°	2247.2	11.3
40°-50°	3347.0	16.9
50°-60°	4390.6	22.1
60°-70°	4801.4	24.2
70°-80°	2375.9	12.0
80°-90°	226.6	1.1
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°	19849.0	100.0
0°-180°	19849.0	100.0

Coefficient of Utilization



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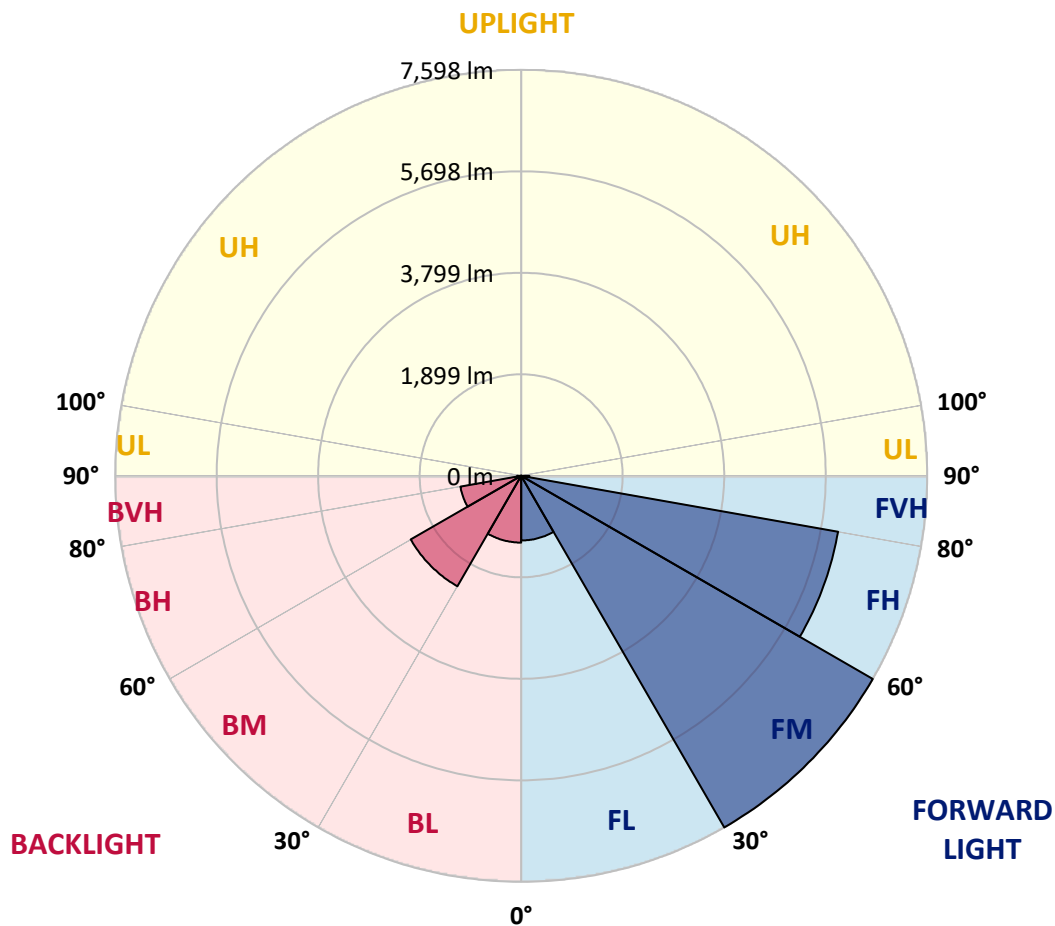
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1210.0	6.1			
FM	(30°-60°)	7597.9	38.3			
FH	(60°-80°)	6022.2	30.3			G3/7500
FVH	(80°-90°)	152.4	0.8			G2/225
BL	(0°-30°)	1250.2	6.3	B3/2500		
BM	(30°-60°)	2386.9	12.0	B2/2500		
BH	(60°-80°)	1155.0	5.8	B3/2500		G3/2500
BVH	(80°-90°)	74.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5
2.5°	2214.0	2208.8	2221.6	2234.4	2262.6	2295.9	2341.9	2380.3	2385.5	2457.1	2513.4
5°	2083.4	2075.8	2088.5	2103.9	2116.7	2157.7	2206.3	2262.6	2285.6	2390.6	2510.9
7.5°	2096.2	2093.7	2098.8	2093.7	2093.7	2111.6	2144.9	2201.2	2226.8	2352.2	2523.7
10°	2170.5	2175.6	2178.1	2162.8	2147.4	2139.7	2150.0	2188.4	2206.3	2354.7	2580.0
12.5°	2293.3	2301.0	2303.5	2275.4	2254.9	2221.6	2203.7	2219.1	2231.9	2380.3	2659.3
15°	2459.7	2464.8	2446.9	2429.0	2377.8	2336.8	2293.3	2280.5	2285.6	2434.1	2748.9
17.5°	2654.2	2646.5	2646.5	2603.0	2536.5	2472.5	2400.8	2390.6	2390.6	2521.1	2876.9
20°	2866.6	2874.3	2851.3	2792.4	2725.9	2626.0	2554.4	2508.3	2513.4	2620.9	3033.0
22.5°	3173.8	3186.6	3125.1	3040.7	2938.3	2823.1	2720.7	2646.5	2649.1	2751.5	3194.3
25°	3504.0	3509.1	3470.7	3358.1	3219.8	3056.0	2920.4	2825.7	2823.1	2897.3	3401.6
27.5°	3841.8	3864.8	3788.1	3680.6	3552.6	3347.8	3168.7	3040.7	3020.2	3120.0	3660.1
30°	4189.9	4218.0	4143.8	4038.9	3880.2	3706.2	3493.7	3345.3	3332.5	3465.6	4005.6
32.5°	4540.5	4548.2	4489.4	4402.3	4259.0	4095.2	3923.7	3759.9	3747.1	3964.7	4453.5
35°	4827.2	4850.2	4809.3	4788.8	4683.9	4532.9	4366.5	4271.8	4305.1	4584.1	5034.5
37.5°	5172.7	5195.8	5149.7	5144.6	5111.3	4980.8	4865.6	4873.3	4906.6	5285.4	5646.2
40°	5671.8	5697.4	5579.7	5528.5	5528.5	5400.5	5362.1	5543.9	5587.4	5976.4	6283.6
42.5°	6094.2	6135.1	6066.0	6032.7	5932.9	5843.3	5889.4	6145.4	6219.6	6636.8	6839.0
45°	6298.9	6329.6	6411.5	6508.8	6411.5	6255.4	6429.5	6718.7	6823.6	7245.9	7394.4
47.5°	6409.0	6437.1	6531.8	6792.9	6859.5	6728.9	6974.6	7335.5	7407.2	7850.0	7924.2
50°	6424.3	6513.9	6636.8	6897.8	7202.4	7220.3	7522.4	7962.6	8047.1	8443.8	8390.0
52.5°	6298.9	6334.8	6588.1	7028.4	7366.2	7673.4	8118.7	8564.1	8625.5	9001.7	8802.1
55°	6094.2	6145.4	6398.7	6997.7	7524.9	8103.4	8725.3	9155.3	9224.4	9544.4	9183.5
57.5°	5909.9	5935.5	6206.8	6908.1	7683.6	8533.4	9265.4	9772.2	9818.2	10020.4	9465.0
60°	5705.1	5733.3	6004.6	6716.1	7801.3	8858.4	9828.5	10394.1	10435.1	10522.1	9792.6
62.5°	5175.3	5249.5	5589.9	6398.7	7770.6	9229.5	10429.9	11008.4	11059.6	10964.9	10051.1
65°	4202.7	4307.6	4724.8	5679.5	7484.0	9470.1	10921.4	11574.0	11661.1	11297.6	10120.2
67.5°	3263.4	3337.6	3672.9	4507.3	6478.1	9349.8	11238.7	11963.1	11988.7	11243.9	9736.3
68°	3094.4	3168.7	3488.6	4261.6	6199.1	9206.5	11231.1	11973.3	12029.6	11185.0	9587.9
70°	2367.5	2452.0	2756.6	3376.0	4996.1	8295.3	10762.7	11727.6	11719.9	10473.5	8666.5
72.5°	1479.4	1528.0	1737.9	2129.5	3304.3	6311.7	9134.8	10342.9	10363.4	8538.5	6647.0
75°	939.3	939.3	929.1	1031.5	1694.4	3596.1	6790.3	7962.6	7978.0	5979.0	4189.9
77.5°	816.5	793.4	683.4	578.4	675.7	1397.5	4018.4	5142.0	5057.6	3219.8	1988.7
80°	688.5	650.1	560.5	465.8	435.1	437.7	1543.4	2610.7	2498.1	1159.5	660.4
82.5°	496.5	463.3	422.3	366.0	335.3	261.1	322.5	755.1	737.1	335.3	215.0
85°	268.7	243.2	238.0	240.6	202.2	161.2	135.7	166.4	166.4	145.9	122.9
87.5°	94.7	69.1	81.9	92.1	79.3	66.5	53.7	64.0	66.5	64.0	58.9
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°	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5	2536.5
2.5°	2546.7	2572.3	2633.7	2687.5	2725.9	2759.1	2777.1	2784.7	2802.6	2805.2	2800.1
5°	2567.2	2633.7	2725.9	2805.2	2848.7	2866.6	2871.8	2874.3	2866.6	2871.8	2866.6
7.5°	2620.9	2705.4	2835.9	2905.0	2912.7	2884.6	2887.1	2876.9	2887.1	2897.3	2897.3
10°	2702.8	2810.3	2933.2	2958.8	2925.5	2910.1	2940.9	3002.3	3022.8	3050.9	3050.9
12.5°	2810.3	2938.3	3025.3	3002.3	2971.6	3022.8	3112.3	3173.8	3194.3	3204.5	3196.8
15°	2933.2	3071.4	3114.9	3038.1	3094.4	3204.5	3235.2	3199.4	3148.2	3125.1	3137.9
17.5°	3089.3	3204.5	3178.9	3127.7	3255.7	3271.0	3171.2	3056.0	2974.1	2943.4	2963.9
20°	3253.1	3352.9	3235.2	3258.2	3337.6	3173.8	2984.4	2835.9	2764.3	2751.5	2771.9
22.5°	3427.2	3491.2	3291.5	3409.2	3291.5	2958.8	2731.0	2654.2	2636.3	2656.8	2674.7
25°	3624.2	3616.6	3388.8	3455.3	3120.0	2695.1	2559.5	2554.4	2554.4	2567.2	2592.8
27.5°	3846.9	3726.6	3486.0	3393.9	2823.1	2477.6	2452.0	2454.6	2446.9	2449.4	2462.2
30°	4105.4	3875.1	3593.5	3191.7	2490.4	2313.8	2303.5	2295.9	2278.0	2272.8	2278.0
32.5°	4430.5	4031.2	3703.6	2859.0	2198.6	2144.9	2139.7	2098.8	2055.3	2050.2	2068.1
35°	4842.6	4315.3	3759.9	2441.8	1958.0	1955.5	1937.5	1873.6	1817.2	1817.2	1804.4
37.5°	5313.5	4681.3	3782.9	2034.8	1758.4	1771.2	1720.0	1638.1	1594.6	1569.0	1576.6
40°	5794.7	5098.5	3780.4	1679.0	1584.3	1586.9	1548.5	1448.7	1341.2	1277.2	1292.5
42.5°	6258.0	5477.3	3713.8	1489.6	1443.6	1435.9	1405.2	1269.5	1179.9	1128.7	1131.3
45°	6629.1	5868.9	3611.4	1377.0	1315.6	1328.4	1259.3	1177.4	1095.5	1049.4	1046.8
47.5°	7000.2	6165.8	3447.6	1307.9	1220.9	1197.8	1169.7	1113.4	1052.0	1000.8	1003.3
50°	7338.1	6419.2	3294.1	1261.8	1133.9	1075.0	1080.1	1046.8	993.1	947.0	944.5
52.5°	7576.1	6585.6	3209.6	1236.2	1028.9	964.9	982.8	964.9	913.7	880.5	877.9
55°	7814.1	6713.6	3237.8	1203.0	913.7	862.6	893.3	888.1	860.0	849.8	852.3
57.5°	8006.1	6810.8	3337.6	1141.5	803.7	773.0	824.2	808.8	788.3	790.9	790.9
60°	8192.9	6936.2	3455.3	1000.8	709.0	711.5	760.2	732.0	719.2	742.3	744.8
62.5°	8387.5	7071.9	3358.1	796.0	627.1	645.0	701.3	678.3	683.4	716.7	726.9
65°	8364.4	7059.1	2736.1	652.7	555.4	591.2	675.7	668.0	670.6	683.4	688.5
67.5°	7893.5	6608.6	1881.2	555.4	504.2	547.7	655.2	624.5	627.1	619.4	622.0
68°	7734.8	6449.9	1658.6	540.1	494.0	537.5	645.0	616.8	619.4	611.7	609.2
70°	6869.7	5523.4	1049.4	476.1	458.1	509.3	593.8	583.6	581.0	575.9	575.9
72.5°	5236.7	4077.3	552.9	412.1	417.2	465.8	529.8	550.3	537.5	540.1	555.4
75°	3468.1	2452.0	383.9	353.2	366.0	399.3	470.9	511.9	499.1	506.8	499.1
77.5°	1835.2	1320.7	307.1	299.5	299.5	322.5	389.0	453.0	453.0	447.9	440.2
80°	601.5	465.8	245.7	235.5	240.6	253.4	312.3	371.1	378.8	368.6	363.4
82.5°	202.2	215.0	184.3	171.5	176.6	186.8	235.5	284.1	286.7	266.2	261.1
85°	125.4	143.3	115.2	112.6	112.6	115.2	143.3	156.1	143.3	128.0	133.1
87.5°	58.9	71.7	53.7	46.1	38.4	33.3	25.6	10.2	10.2	5.1	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

(END OF REPORT)