

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: P1211389

Luminaire Tested: **ARCH4-260-730-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211389
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-260-730-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36639 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

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



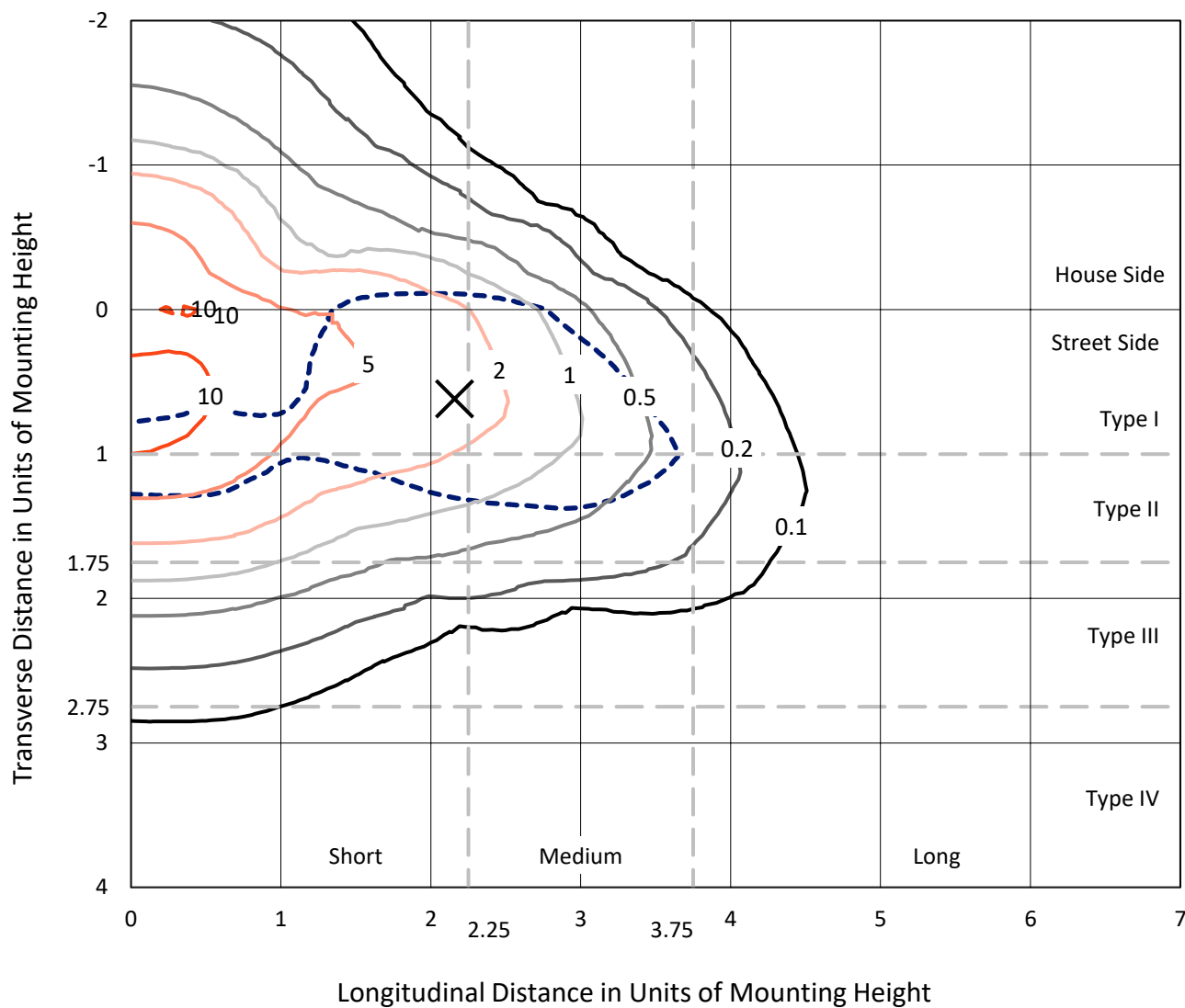
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

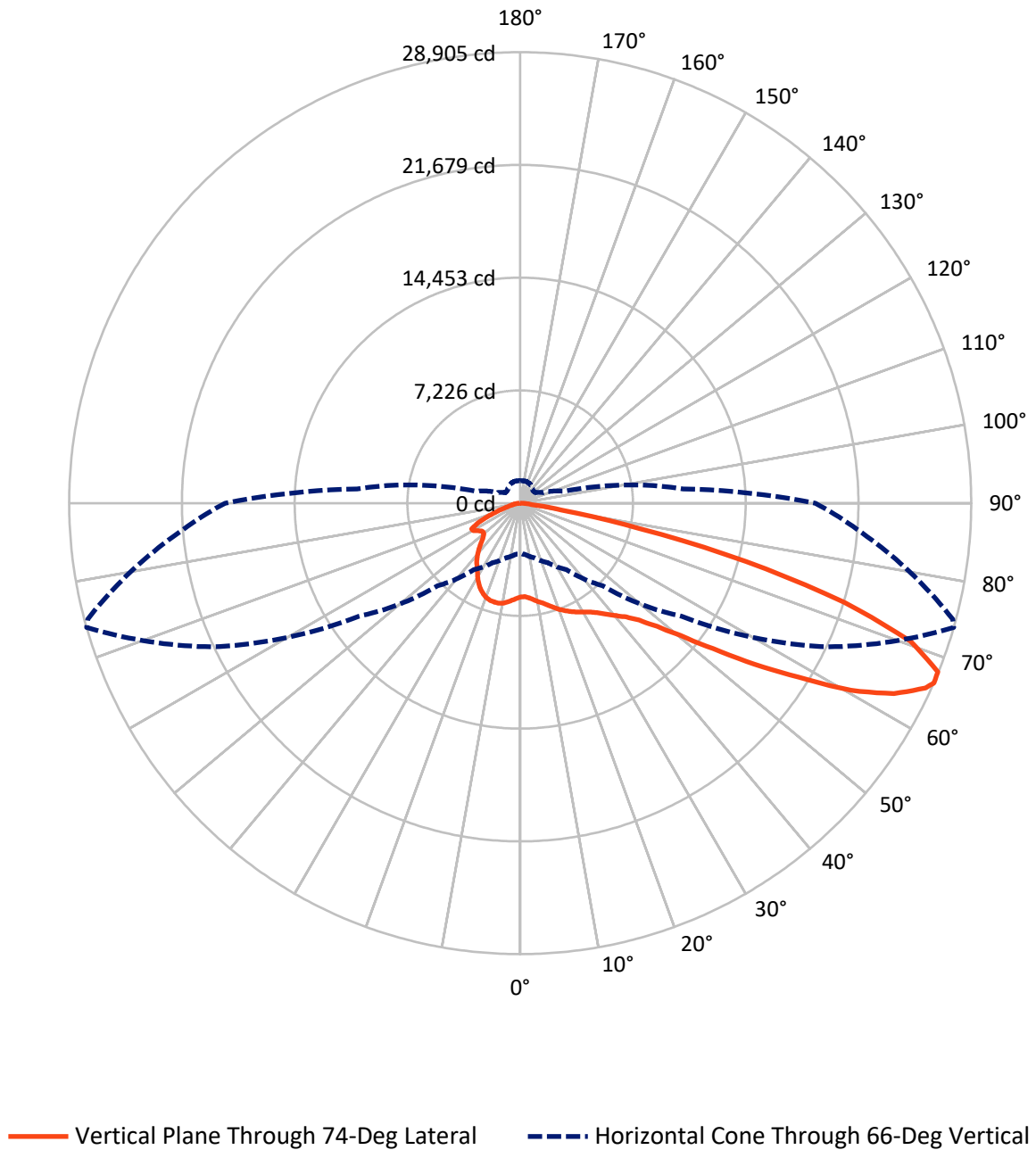


Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8922.6	0.0	8922.6
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	27716.4	0.0	27716.4
	% Fixture	75.6	0.0	75.6
Total	Lumens	36639.0	0.0	36639.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.9	1.6
10°-20°	1761.9	4.8
20°-30°	3306.3	9.0
30°-40°	5085.9	13.9
40°-50°	6841.0	18.7
50°-60°	8090.2	22.1
60°-70°	7483.9	20.4
70°-80°	3148.4	8.6
80°-90°	348.4	1.0
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°	36639.0	100.0
0°-180°	36639.0	100.0

Coefficient of Utilization



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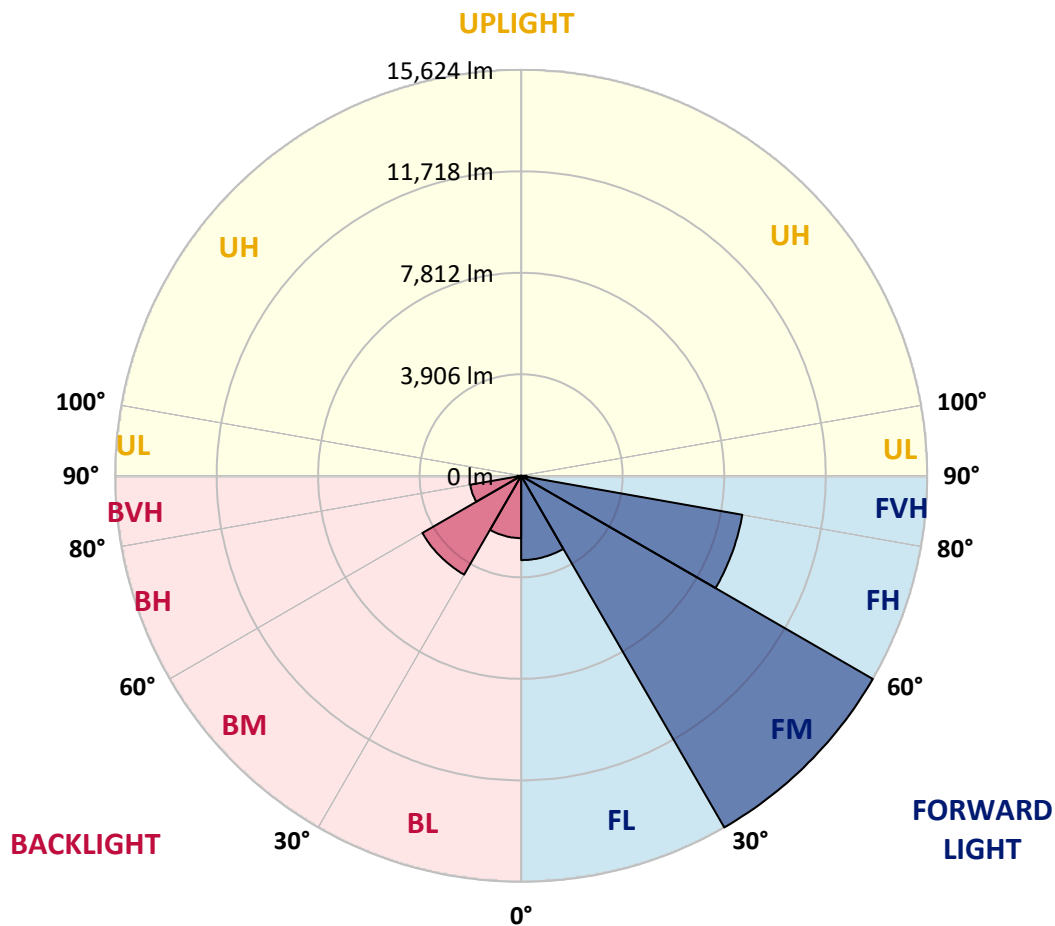
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3243.0	8.9			
FM	(30°-60°)	15624.5	42.6			
FH	(60°-80°)	8640.5	23.6			G4/12000
FVH	(80°-90°)	208.4	0.6			G2/225
BL	(0°-30°)	2398.2	6.5	B3/2500		
BM	(30°-60°)	4392.6	12.0	B3/5000		
BH	(60°-80°)	1991.8	5.4	B3/2500		G3/2500
BVH	(80°-90°)	140.0	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	6006.4	6006.4	6006.4	6006.4	6006.4	6006.4	6006.4	6006.4	6006.4	6006.4	6006.4
2.5°	5987.5	5978.1	5996.9	6025.2	6039.4	6015.8	6006.4	6001.6	6001.6	5987.5	6011.1
5°	5704.6	5699.9	5742.3	5794.2	5893.2	5963.9	6058.2	6114.8	6095.9	6067.6	6086.5
7.5°	5336.9	5327.5	5379.3	5478.3	5615.0	5770.6	6001.6	6180.8	6251.5	6242.1	6237.4
10°	5478.3	5468.9	5464.2	5435.9	5483.0	5633.9	5874.3	6190.2	6430.7	6435.4	6440.1
12.5°	5968.6	5992.2	5968.6	5879.1	5775.3	5718.8	5860.2	6213.8	6581.5	6609.8	6727.7
15°	6638.1	6614.5	6567.4	6463.7	6303.4	6133.6	6029.9	6322.2	6798.4	6822.0	7081.3
17.5°	7227.4	7246.3	7218.0	7119.0	6930.4	6708.8	6392.9	6510.8	7029.4	7095.4	7458.4
20°	7868.6	7944.0	7906.3	7783.7	7628.2	7298.1	6902.1	6784.3	7284.0	7331.1	7849.7
22.5°	8608.8	8688.9	8618.2	8500.4	8373.1	7967.6	7458.4	7119.0	7496.2	7595.2	8226.9
25°	9495.1	9570.6	9504.6	9320.7	9160.4	8665.4	8057.2	7496.2	7703.6	7812.0	8533.4
27.5°	10197.6	10254.2	10315.5	10207.0	9961.9	9448.0	8679.5	7887.5	7911.0	8024.2	8816.2
30°	10824.6	10966.1	11017.9	11032.1	10824.6	10249.5	9316.0	8292.9	8090.2	8208.1	9099.1
32.5°	11682.7	11894.8	11810.0	11894.8	11772.3	11003.8	9976.0	8712.5	8321.2	8429.6	9367.8
35°	12936.8	13106.5	12884.9	12818.9	12620.9	11767.5	10612.5	9146.2	8627.6	8745.5	9622.4
37.5°	14285.1	14478.4	14157.8	13893.8	13516.6	12521.9	11159.4	9716.7	9052.0	9146.2	9858.1
40°	15463.8	15624.1	15345.9	14997.0	14365.3	13186.6	11630.8	10117.4	9476.3	9594.1	10131.6
42.5°	16552.8	16656.5	16345.4	16010.6	15166.7	13785.4	12140.0	10541.8	9971.3	10084.4	10353.2
45°	17656.0	17736.2	17302.4	16826.3	15836.2	14332.3	12701.0	11135.8	10697.3	10848.2	10711.5
47.5°	17854.0	17877.6	17802.2	17481.6	16364.2	14855.6	13394.1	11932.6	11805.3	11970.3	11329.1
50°	16482.1	16694.3	17161.0	17476.9	16576.4	15294.0	14087.1	13073.5	13332.8	13544.9	12611.4
52.5°	13818.4	14021.1	15100.7	16298.2	16067.2	15393.0	14832.0	14520.8	15487.3	15741.9	14355.8
55°	11008.5	11187.7	12328.6	14054.1	14421.8	14940.4	15628.8	16369.0	18235.9	18405.6	16269.9
57.5°	9066.1	9165.1	9980.7	11640.3	12229.6	13493.1	16057.8	18565.9	21031.7	21291.0	17934.2
60°	7434.9	7543.3	8151.5	9518.7	10301.3	11423.4	15718.3	20734.6	24369.6	24369.6	20069.9
62.5°	5596.2	5690.5	6256.2	7326.4	8641.8	9669.6	14634.0	22172.6	26887.1	26774.0	21616.3
65°	3842.4	3917.8	4328.0	5039.9	6223.2	8241.1	13153.6	22191.4	28556.1	28405.2	22276.3
66°	3224.8	3290.8	3639.6	4214.8	5209.6	7477.3	12630.3	21790.7	28905.0	28692.8	21998.1
67.5°	2545.9	2593.0	2824.0	3163.5	3818.8	6053.5	11805.3	20654.5	28872.0	28744.7	21291.0
70°	1819.8	1852.8	2022.5	2093.3	2258.3	3502.9	9377.3	18089.8	26557.1	26594.8	18509.4
72.5°	1409.7	1461.5	1565.2	1579.4	1541.7	1862.3	5690.5	15091.3	21724.7	21710.6	13738.2
75°	1136.2	1164.5	1216.4	1244.6	1235.2	1202.2	2409.1	11258.4	14954.6	15129.0	7694.2
77.5°	895.8	891.1	938.2	975.9	1004.2	942.9	1103.2	6600.4	7840.3	7618.7	2890.0
80°	660.0	660.0	726.0	740.2	782.6	792.0	735.5	2545.9	2692.0	2446.9	749.6
82.5°	433.7	433.7	504.5	513.9	556.3	617.6	532.7	763.8	744.9	707.2	339.4
85°	235.7	226.3	249.9	282.9	306.4	363.0	320.6	381.9	391.3	386.6	226.3
87.5°	47.1	42.4	66.0	75.4	84.9	113.1	103.7	155.6	216.9	212.2	99.0
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°	6006.4	6006.4	6006.4	6006.4	6006.4	6006.4	6006.4	6006.4	6006.4	6006.4	6006.4
2.5°	6044.1	6039.4	6091.2	6152.5	6223.2	6265.7	6284.5	6317.5	6293.9	6303.4	6331.7
5°	6133.6	6147.8	6223.2	6303.4	6336.4	6312.8	6260.9	6242.1	6199.6	6190.2	6180.8
7.5°	6265.7	6289.2	6364.7	6383.5	6284.5	6119.5	6001.6	5935.6	5864.9	5846.1	5836.6
10°	6482.5	6496.7	6515.5	6322.2	6077.1	5855.5	5709.3	5648.0	5600.9	5563.2	5572.6
12.5°	6756.0	6746.5	6600.4	6199.6	5850.8	5624.5	5525.5	5487.7	5454.7	5431.2	5426.5
15°	7100.1	7034.1	6614.5	6029.9	5638.6	5450.0	5379.3	5365.2	5327.5	5327.5	5322.7
17.5°	7449.0	7279.3	6605.1	5850.8	5435.9	5332.2	5289.7	5280.3	5270.9	5266.2	5280.3
20°	7797.9	7496.2	6529.7	5629.2	5294.5	5233.2	5223.7	5228.4	5219.0	5233.2	5223.7
22.5°	8104.3	7637.6	6388.2	5393.5	5195.4	5190.7	5167.2	5176.6	5209.6	5214.3	5228.4
25°	8340.1	7689.4	6180.8	5176.6	5124.7	5115.3	5143.6	5181.3	5209.6	5214.3	5237.9
27.5°	8533.4	7661.2	5921.5	5006.9	5002.1	5054.0	5138.9	5153.0	5157.7	5157.7	5138.9
30°	8679.5	7599.9	5591.5	4818.3	4841.9	4969.1	5049.3	5049.3	5011.6	5002.1	5030.4
32.5°	8712.5	7519.7	5233.2	4625.0	4662.7	4813.6	4912.6	4879.6	4837.1	4837.1	4856.0
35°	8740.8	7411.3	4945.6	4361.0	4417.5	4596.7	4691.0	4625.0	4577.8	4563.7	4559.0
37.5°	8731.4	7368.9	4686.3	4026.2	4101.7	4276.1	4337.4	4276.1	4205.4	4172.4	4214.8
40°	8740.8	7340.6	4361.0	3658.5	3733.9	3837.7	3917.8	3870.7	3804.7	3719.8	3762.2
42.5°	8797.4	7378.3	4002.7	3300.2	3300.2	3356.8	3493.5	3460.5	3300.2	3267.2	3304.9
45°	9099.1	7581.0	3644.4	2941.9	2890.0	2927.7	3069.2	2927.7	2828.7	2828.7	2861.7
47.5°	9829.9	7958.2	3328.5	2626.0	2503.4	2578.9	2616.6	2484.6	2409.1	2390.3	2423.3
50°	11319.7	8712.5	3139.9	2366.7	2215.8	2272.4	2248.8	2244.1	2168.7	2178.1	2197.0
52.5°	13582.6	10183.5	3083.3	2239.4	2050.8	2065.0	2041.4	2050.8	2036.7	2083.8	2098.0
55°	16048.4	11734.5	3154.0	2258.3	1937.7	1838.7	1848.1	1895.3	1951.8	2027.3	2041.4
57.5°	17891.8	12512.4	3337.9	2385.6	1796.2	1645.4	1669.0	1758.5	1867.0	1928.3	1961.3
60°	19263.7	12418.2	3606.6	2418.6	1626.5	1470.9	1513.4	1645.4	1739.7	1791.5	1824.5
62.5°	19711.6	11828.8	3672.6	2178.1	1404.9	1305.9	1409.7	1546.4	1588.8	1645.4	1669.0
65°	19343.8	10994.4	3191.8	1768.0	1235.2	1183.4	1334.2	1437.9	1494.5	1522.8	1527.5
66°	18910.1	10494.6	2932.5	1607.7	1173.9	1145.6	1305.9	1390.8	1447.4	1442.7	1447.4
67.5°	17957.8	9448.0	2512.9	1381.4	1084.3	1089.1	1258.8	1315.4	1334.2	1320.1	1320.1
70°	14718.9	6652.2	1801.0	1046.6	952.3	1018.3	1131.5	1145.6	1188.1	1169.2	1169.2
72.5°	9075.5	3267.2	1206.9	801.5	848.6	952.3	947.6	994.8	1093.8	1122.1	1140.9
75°	4460.0	1324.8	796.8	678.9	759.0	796.8	787.3	905.2	1046.6	1169.2	1211.6
77.5°	1692.5	660.0	556.3	594.0	612.9	598.7	627.0	820.3	1046.6	1268.2	1310.6
80°	523.3	457.3	438.5	490.3	462.0	438.5	471.5	678.9	886.3	961.8	961.8
82.5°	315.9	358.3	339.4	334.7	311.2	315.9	339.4	485.6	683.6	716.6	716.6
85°	221.6	235.7	193.3	183.9	179.2	174.4	174.4	282.9	405.5	400.7	414.9
87.5°	84.9	94.3	70.7	70.7	66.0	47.1	37.7	47.1	47.1	33.0	23.6
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)