

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: P522922

Luminaire Tested: **GLAN-SA9C-735-U-T4W**

Issue Date: 5/13/2021

Test Information

Test Method: LM-79-08
Report Number: P522922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2011-042-41)
Test Lab: INNOVATION CENTER
Issue Date: 5/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9C-735-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59415 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

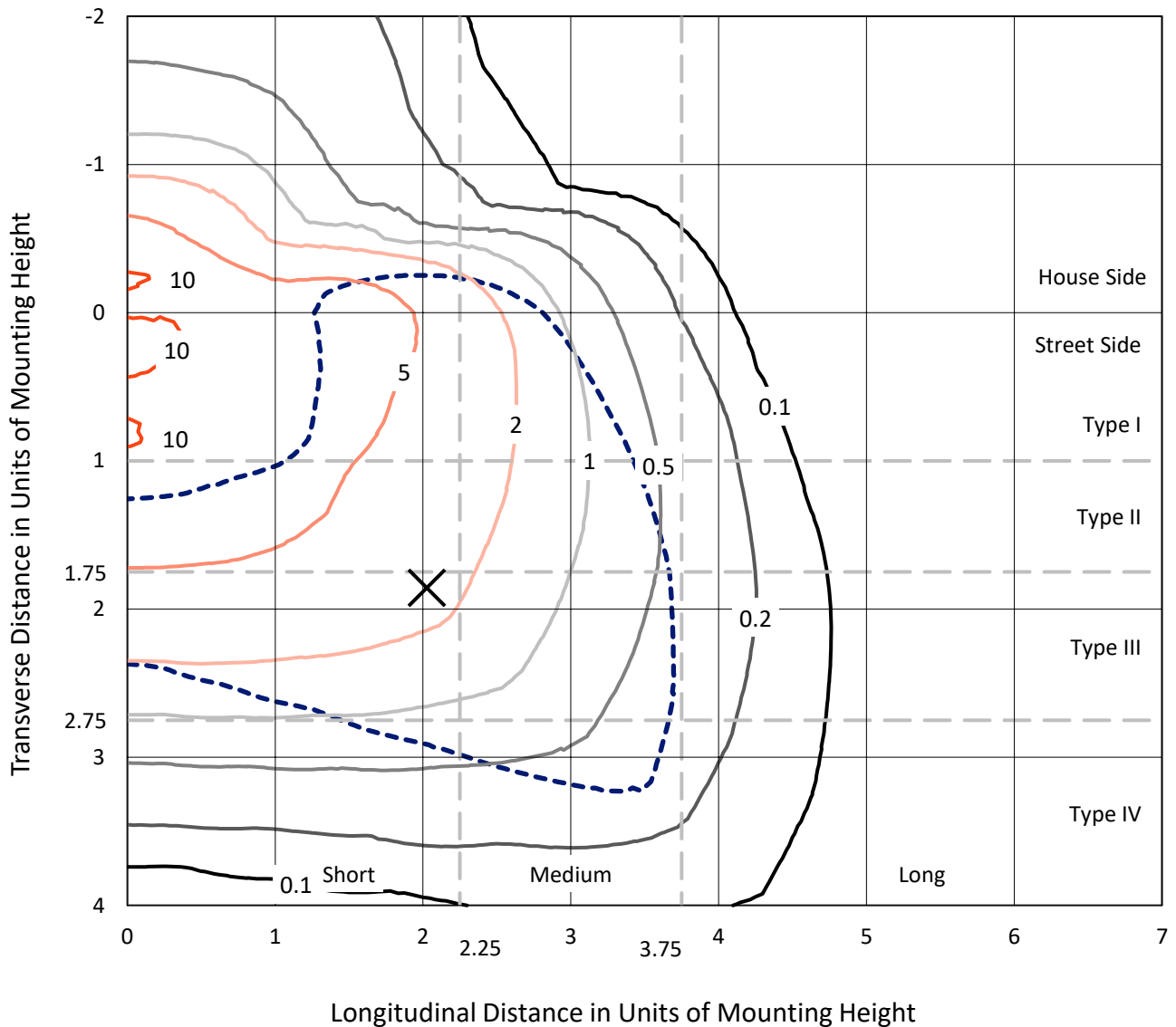
Input Watts (W): 481
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

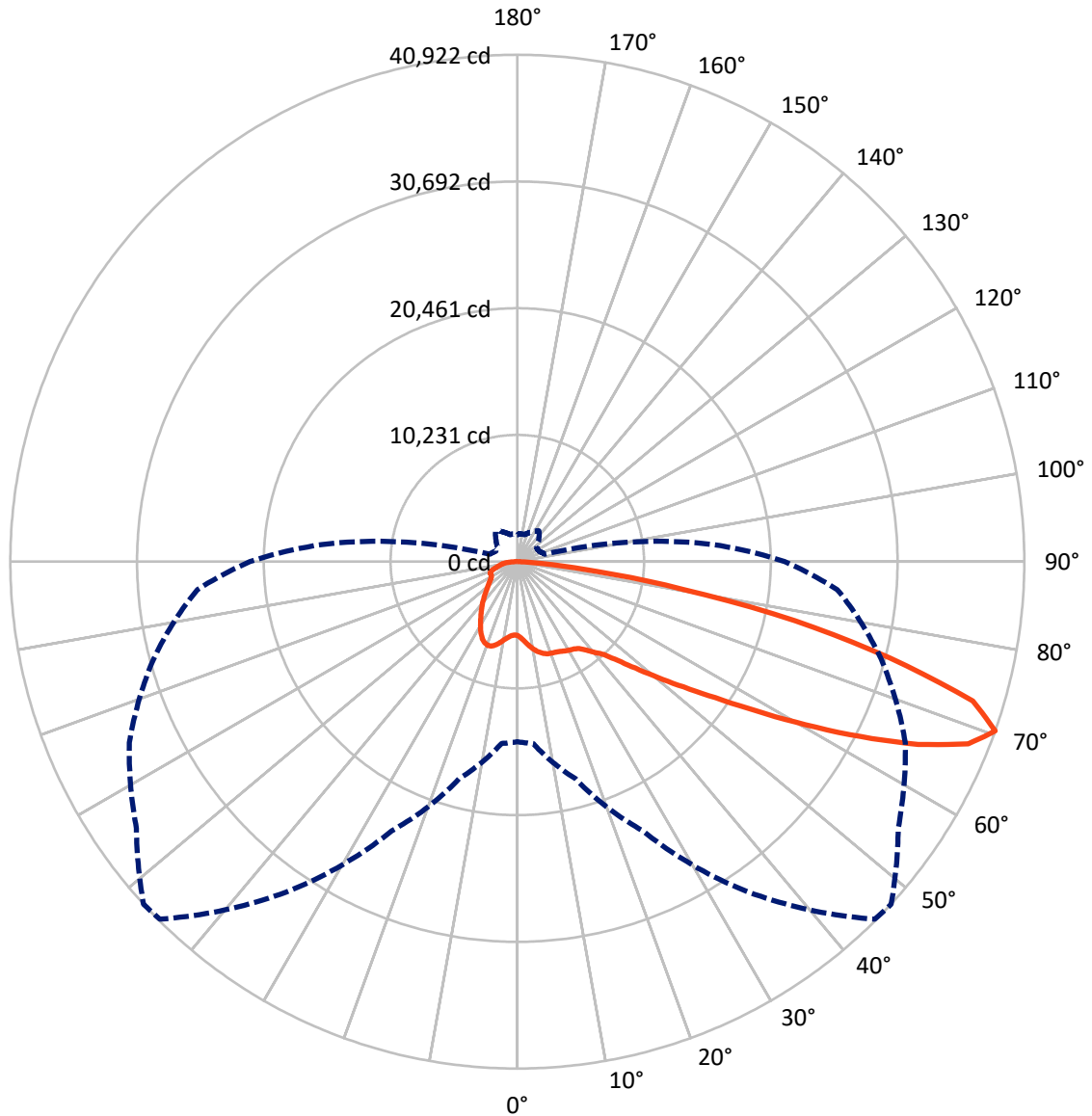
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13452.7	0.0	13452.7
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	45962.3	0.0	45962.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	59415.0	0.0	59415.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.8	1.0
10°-20°	2055.4	3.5
20°-30°	3418.1	5.8
30°-40°	4844.6	8.2
40°-50°	7151.7	12.0
50°-60°	12387.1	20.8
60°-70°	17497.1	29.4
70°-80°	10058.3	16.9
80°-90°	1387.8	2.3
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°	59415.0	100.0
0°-180°	59415.0	100.0

Coefficient of Utilization



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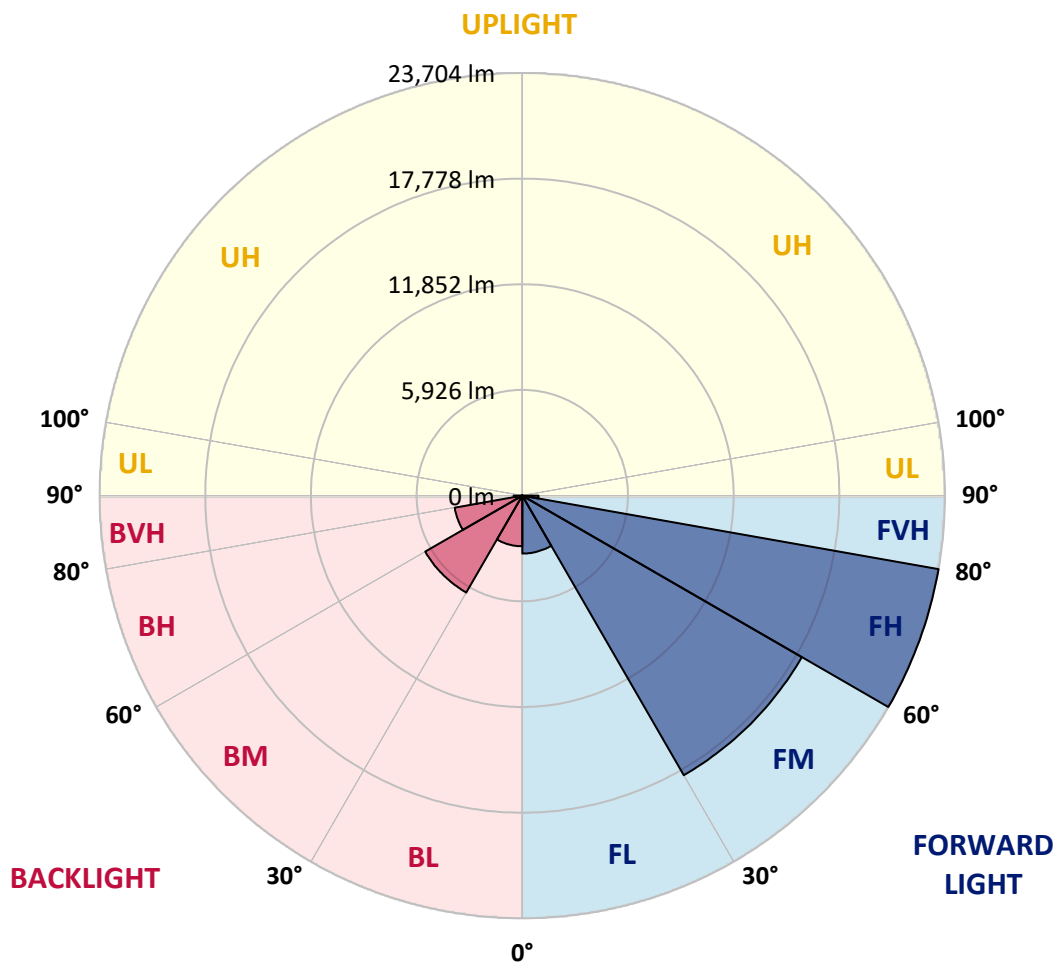
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3249.0	5.5			
FM	(30°-60°)	18102.6	30.5			
FH	(60°-80°)	23704.1	39.9			G5
FVH	(80°-90°)	906.6	1.5			G5
BL	(0°-30°)	2839.3	4.8	B4/5000		
BM	(30°-60°)	6280.8	10.6	B4/8500		
BH	(60°-80°)	3851.3	6.5	B4/5000		G4/5000
BVH	(80°-90°)	481.3	0.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	5964.6	5964.6	5964.6	5964.6	5964.6	5964.6	5964.6	5964.6	5964.6	5964.6	5964.6
2.5°	6349.3	6327.0	6323.8	6276.1	6250.7	6203.0	6183.9	6139.4	6085.4	6031.3	5980.4
5°	6848.4	6848.4	6826.2	6759.4	6654.5	6546.4	6498.7	6412.8	6260.2	6136.2	6031.3
7.5°	7360.3	7366.7	7322.2	7223.6	7074.2	6899.3	6854.8	6727.6	6511.4	6330.2	6174.4
10°	7802.2	7802.2	7741.8	7608.3	7420.7	7230.0	7185.4	7042.4	6800.7	6575.0	6371.5
12.5°	8139.3	8139.3	8059.8	7884.9	7681.4	7509.7	7458.9	7322.2	7096.4	6845.2	6587.7
15°	8358.6	8342.7	8253.7	8056.6	7859.5	7710.0	7675.1	7560.6	7353.9	7099.6	6810.3
17.5°	8368.2	8361.8	8276.0	8110.6	7939.0	7837.2	7815.0	7738.7	7576.5	7334.9	7029.6
20°	8183.8	8196.5	8139.3	8021.6	7939.0	7894.4	7884.9	7859.5	7745.0	7519.3	7214.1
22.5°	7986.6	8008.9	7954.9	7891.3	7884.9	7929.4	7935.8	7942.1	7869.0	7649.6	7369.8
25°	7939.0	7954.9	7900.8	7843.6	7878.5	7996.2	8021.6	8047.1	7989.8	7805.4	7554.3
27.5°	8180.6	8167.9	8063.0	7939.0	7961.2	8120.2	8155.2	8183.8	8155.2	7996.2	7783.2
30°	8864.2	8822.8	8613.0	8250.5	8136.1	8247.4	8282.3	8361.8	8361.8	8244.2	8031.2
32.5°	10008.7	9929.3	9544.6	8832.4	8434.9	8368.2	8403.1	8533.5	8600.3	8508.1	8276.0
35°	11398.1	11315.5	10765.4	9808.4	8981.8	8609.8	8600.3	8746.5	8924.6	8717.9	8415.9
37.5°	12793.9	12708.1	12046.7	10972.1	9779.8	9118.5	9061.3	9112.2	9188.5	8810.1	8609.8
40°	14189.7	14087.9	13509.3	12272.5	10755.9	9792.5	9643.1	9414.2	9382.4	9112.2	8985.0
42.5°	15572.7	15480.5	15188.0	13731.8	11925.9	10450.7	10221.8	9827.5	9948.3	9786.2	9674.9
45°	16968.4	16974.8	16663.2	15369.2	13337.6	11665.2	11356.8	10740.0	11026.2	10965.7	11029.3
47.5°	18205.2	18189.3	18078.1	16958.9	15089.4	13229.5	12832.1	12116.7	12606.3	12828.9	13315.3
50°	19403.9	19394.3	19400.7	18761.6	17124.2	15089.4	14650.7	13900.3	15003.6	15776.2	16647.3
52.5°	21120.7	21174.8	20790.1	20621.6	19597.8	17286.4	16803.1	16027.3	17836.4	19054.1	20755.1
55°	22844.0	22799.5	22497.4	22672.3	22185.8	19887.1	19381.6	18764.8	20990.4	22322.6	24878.8
57.5°	23858.2	23874.1	24182.5	25037.8	25381.1	23130.1	22672.3	22195.4	24535.4	25479.7	28547.8
60°	24770.7	24843.8	25730.9	27346.0	28277.6	27113.9	26706.9	26242.8	27787.9	28163.1	31733.6
62.5°	25056.8	25282.6	26830.9	29247.3	31100.9	31609.6	31104.1	30080.3	30884.7	30738.4	33892.4
65°	23629.3	23937.7	26713.3	29959.5	33622.1	35876.3	35555.2	33653.9	33523.6	32642.9	34245.3
67.5°	19871.2	20179.6	23743.7	28465.2	34665.0	39570.8	39249.7	36261.0	35126.0	32820.9	31574.6
70°	14539.4	14733.3	18141.6	23966.3	32569.8	40810.8	40922.0	37532.8	34553.7	30401.4	25924.8
72.5°	8377.7	8806.9	11194.7	16860.3	26608.4	37675.9	38448.5	34887.5	30935.5	25362.1	18125.7
75°	3602.3	3611.8	5176.1	9299.7	18020.8	30283.8	31030.9	28919.8	24293.8	17537.6	9678.1
77.5°	1713.7	1745.5	2276.4	4152.3	9919.7	20923.6	22939.4	20430.8	15537.7	8425.4	3656.3
80°	1112.8	1135.0	1392.6	2060.3	4864.5	12132.6	13537.9	11786.0	6854.8	3010.9	1577.0
82.5°	674.0	680.4	931.6	1259.0	2677.1	5494.0	6476.4	5115.7	2925.0	1802.7	928.4
85°	410.1	413.3	565.9	779.0	1624.7	1898.1	1949.0	1933.1	1716.9	1179.6	496.0
87.5°	197.1	203.5	292.5	368.8	639.1	588.2	556.4	645.4	810.7	635.9	213.0
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°	5964.6	5964.6	5964.6	5964.6	5964.6	5964.6	5964.6	5964.6	5964.6	5964.6	5964.6
2.5°	5958.2	5948.7	5926.4	5916.9	5910.5	5913.7	5910.5	5910.5	5913.7	5913.7	5913.7
5°	5986.8	5970.9	5935.9	5935.9	5955.0	5999.5	6040.9	6072.7	6107.6	6104.4	6104.4
7.5°	6110.8	6082.2	6040.9	6053.6	6101.3	6171.2	6244.3	6314.3	6384.2	6390.6	6387.4
10°	6292.0	6263.4	6218.9	6234.8	6311.1	6416.0	6508.2	6610.0	6686.3	6708.5	6702.2
12.5°	6498.7	6441.5	6403.3	6447.8	6568.6	6708.5	6797.6	6873.9	6927.9	6959.7	6947.0
15°	6708.5	6654.5	6610.0	6702.2	6848.4	6978.8	7023.3	7036.0	7045.5	7077.3	7071.0
17.5°	6912.0	6838.9	6823.0	6943.8	7083.7	7140.9	7115.5	7061.4	7020.1	7045.5	7042.4
20°	7093.2	7036.0	7029.6	7150.5	7204.5	7150.5	7042.4	6947.0	6873.9	6880.2	6877.0
22.5°	7264.9	7220.4	7226.8	7277.6	7191.8	7007.4	6829.3	6699.0	6619.5	6635.4	6644.9
25°	7455.7	7411.2	7427.1	7344.4	7061.4	6740.3	6482.8	6371.5	6339.7	6371.5	6393.8
27.5°	7703.7	7675.1	7665.5	7347.6	6829.3	6346.1	6053.6	6012.2	6040.9	6110.8	6145.8
30°	7970.8	7970.8	7919.9	7293.5	6511.4	5872.3	5618.0	5624.4	5722.9	5821.5	5856.5
32.5°	8228.3	8282.3	8123.4	7147.3	6101.3	5411.3	5217.4	5223.8	5309.6	5430.4	5462.2
35°	8441.3	8597.1	8298.2	6880.2	5618.0	5023.4	4877.2	4791.4	4794.5	4886.7	4912.2
37.5°	8733.8	9023.1	8400.0	6482.8	5102.9	4692.8	4527.5	4378.0	4279.5	4241.3	4241.3
40°	9242.5	9668.6	8425.4	5894.6	4616.5	4378.0	4142.8	3964.7	3773.9	3602.3	3570.5
42.5°	10104.1	10641.4	8374.5	5217.4	4177.7	4031.5	3802.6	3583.2	3319.3	3077.7	3058.6
45°	11630.2	11906.8	8237.8	4514.7	3786.7	3697.6	3475.1	3236.6	2956.8	2740.6	2724.7
47.5°	14075.2	13684.1	8056.6	3891.6	3430.6	3405.1	3233.4	2956.8	2677.1	2527.6	2511.7
50°	17645.7	16482.0	8031.2	3440.1	3144.4	3157.1	3017.2	2762.9	2518.1	2394.1	2375.0
52.5°	21944.2	19861.7	8199.7	3122.2	2893.3	2940.9	2871.0	2635.7	2419.5	2314.6	2295.5
55°	26115.6	22901.2	8301.4	2874.2	2658.0	2747.0	2756.5	2559.4	2362.3	2257.4	2244.7
57.5°	29501.6	25190.4	7849.9	2648.4	2454.5	2591.2	2661.2	2514.9	2333.7	2254.2	2241.5
60°	31857.6	26271.4	6565.5	2448.1	2305.1	2467.2	2626.2	2518.1	2403.6	2413.2	2419.5
62.5°	32607.9	25791.3	4924.9	2298.7	2203.3	2425.9	2683.4	2648.4	2530.8	2603.9	2616.6
65°	31364.8	23807.3	3570.5	2181.1	2114.3	2454.5	2855.1	2743.8	2486.3	2540.3	2540.3
67.5°	27202.9	20510.3	2778.8	2073.0	2012.6	2508.5	3026.8	2734.3	2381.4	2445.0	2387.7
70°	21578.6	15865.2	2314.6	1952.2	1904.5	2429.1	3042.7	2635.7	2257.4	2270.1	2162.0
72.5°	14320.0	10431.6	1990.3	1837.7	1739.1	2184.2	2912.3	2508.5	2136.6	2063.4	1955.3
75°	7016.9	5201.5	1736.0	1694.6	1522.9	1901.3	2734.3	2387.7	2006.2	1891.7	1831.3
77.5°	2718.4	2212.9	1481.6	1513.4	1325.8	1675.5	2499.0	2216.0	1834.5	1678.7	1631.0
80°	1319.5	1255.9	1214.5	1262.2	1090.5	1427.5	2282.8	2066.6	1675.5	1503.9	1433.9
82.5°	820.3	775.8	931.6	982.4	839.4	1303.6	2165.2	1939.4	1475.2	1246.3	1189.1
85°	416.5	445.1	623.2	670.9	600.9	1036.5	1783.6	1456.2	1065.1	883.9	890.2
87.5°	159.0	213.0	327.5	352.9	321.1	546.9	982.4	848.9	683.6	464.2	429.2
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)