

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: P319680

Luminaire Tested: **GAN-SA6B-740-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-740-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34182 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

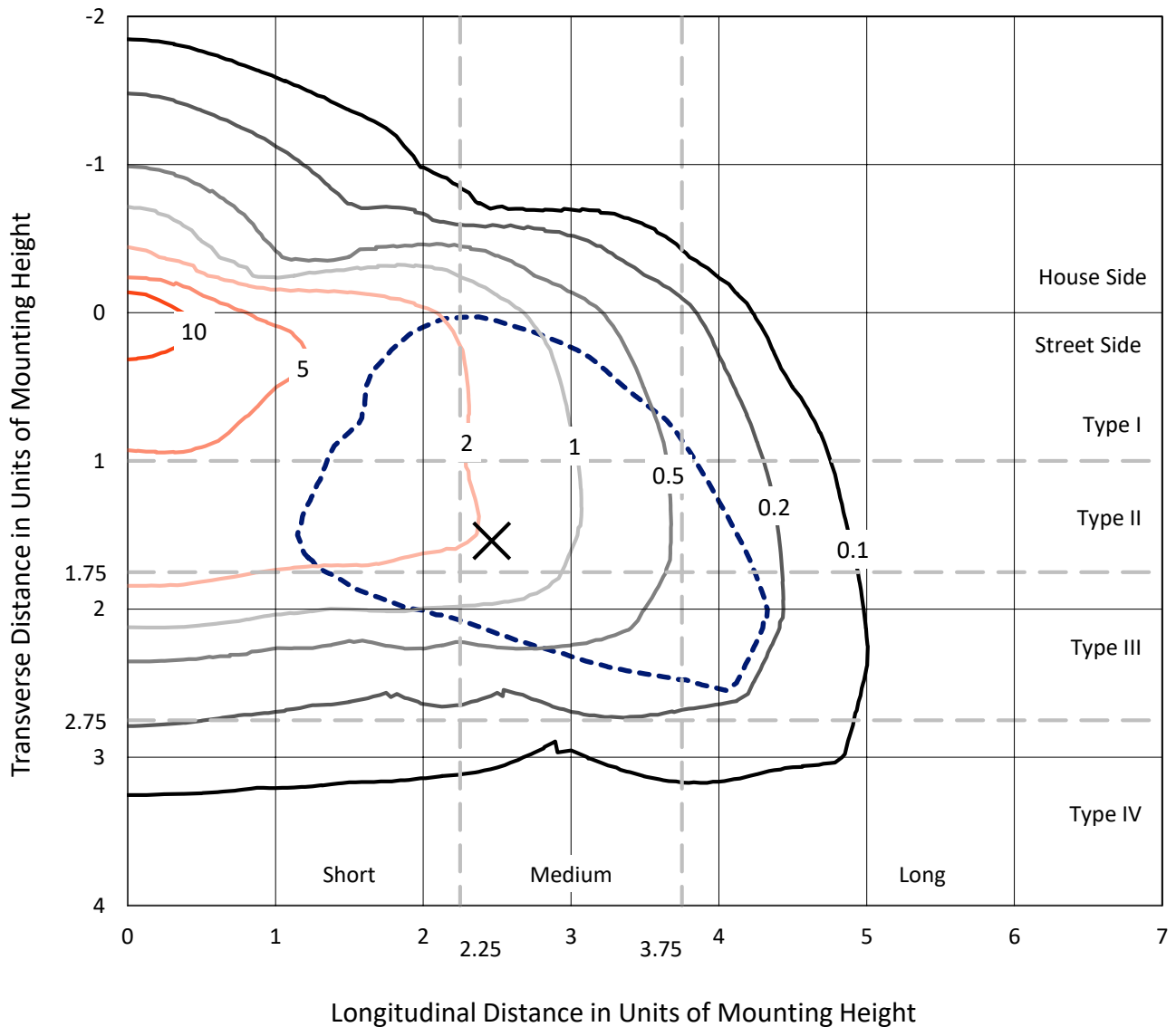
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

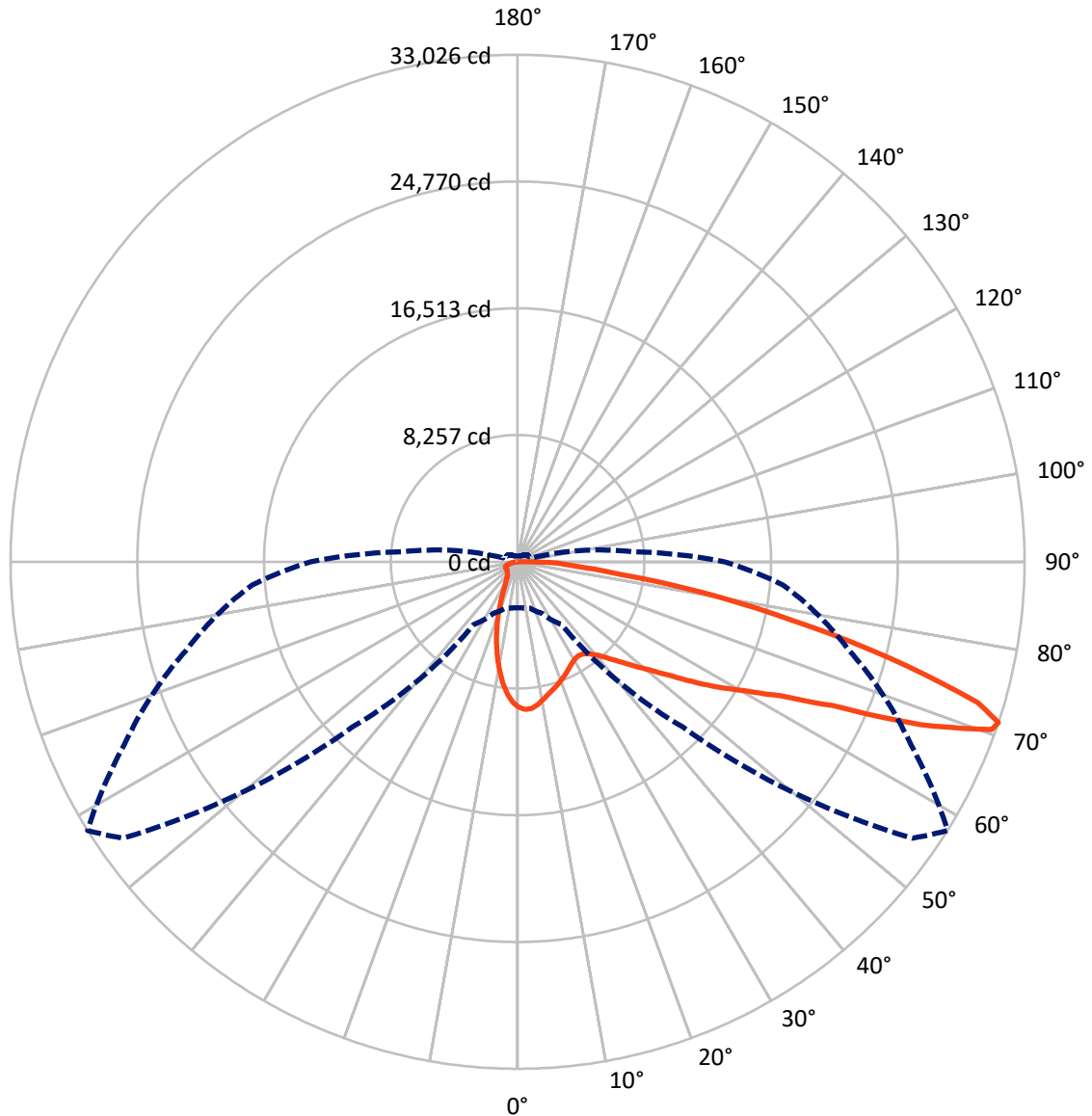
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5110.4	0.0	5110.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	29071.6	0.0	29071.6
	% Fixture	85.0	0.0	85.0
Total	Lumens	34182.0	0.0	34182.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	817.0	2.4
10°-20°	1816.8	5.3
20°-30°	2308.9	6.8
30°-40°	2941.1	8.6
40°-50°	4170.7	12.2
50°-60°	6454.3	18.9
60°-70°	8786.7	25.7
70°-80°	5861.7	17.1
80°-90°	1024.8	3.0
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°	34182.0	100.0
0°-180°	34182.0	100.0

Coefficient of Utilization

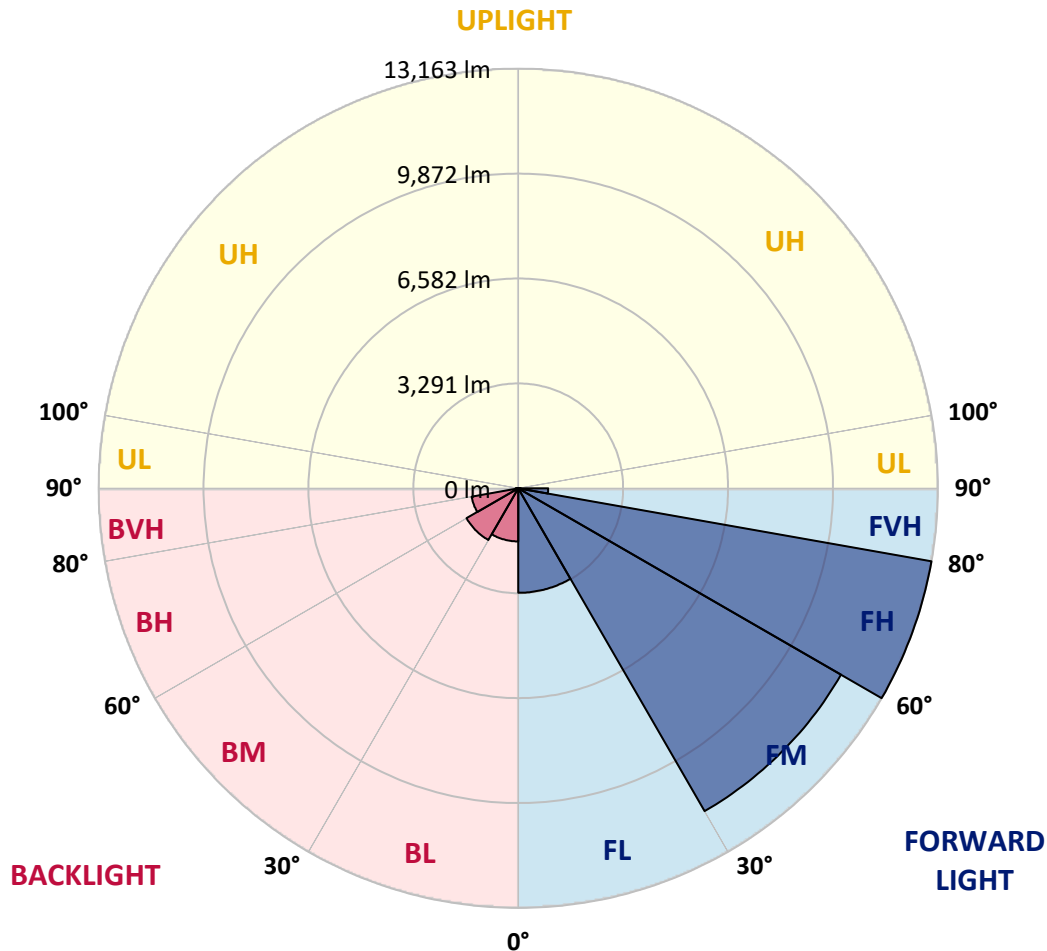


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3276.9	9.6			
FM (30°-60°)	11691.9	34.2			
FH (60°-80°)	13163.1	38.5			G5
FVH (80°-90°)	939.7	2.7			G5
BL (0°-30°)	1665.9	4.9	B3/2500		
BM (30°-60°)	1874.1	5.5	B2/2500		
BH (60°-80°)	1485.3	4.3	B3/2500		G3/2500
BVH (80°-90°)	85.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	9470.7	9470.7	9470.7	9470.7	9470.7	9470.7	9470.7	9470.7	9470.7	9470.7	9470.7
2.5°	9721.9	9708.8	9713.6	9704.1	9681.5	9658.8	9625.5	9631.4	9585.0	9515.9	9430.2
5°	9538.6	9533.8	9569.5	9589.8	9606.4	9593.3	9583.8	9595.7	9527.9	9432.6	9283.8
7.5°	9154.0	9101.6	9146.8	9214.7	9279.0	9327.8	9392.1	9400.4	9357.6	9257.6	9062.3
10°	8607.5	8557.4	8624.1	8730.1	8858.7	8975.4	9105.2	9129.0	9137.3	9046.8	8809.9
12.5°	8040.7	8002.6	8069.3	8218.1	8431.2	8611.0	8818.2	8853.9	8927.7	8867.0	8576.5
15°	7533.5	7519.2	7600.1	7746.6	7991.9	8266.9	8565.8	8631.3	8756.3	8736.0	8394.3
17.5°	7095.3	7091.7	7153.6	7307.2	7578.7	7926.4	8314.5	8425.3	8611.0	8634.8	8244.3
20°	6769.0	6761.9	6804.8	6917.9	7197.7	7591.8	8043.1	8195.5	8463.4	8546.7	8089.5
22.5°	6594.0	6592.8	6594.0	6647.6	6876.2	7242.9	7778.7	7964.5	8319.3	8476.5	7918.0
25°	6564.2	6560.7	6534.5	6528.5	6658.3	6951.2	7516.8	7721.6	8182.4	8427.7	7754.9
27.5°	6641.6	6646.4	6611.9	6555.9	6582.1	6759.5	7289.4	7508.5	8072.8	8418.1	7641.8
30°	6802.4	6800.0	6770.2	6711.9	6660.7	6688.1	7127.4	7346.5	7999.0	8459.8	7564.4
32.5°	6979.8	6992.9	6986.9	6954.8	6878.6	6769.0	7078.6	7292.9	7977.6	8559.8	7531.1
35°	7192.9	7207.2	7250.1	7275.1	7185.8	7009.6	7183.4	7369.1	8039.5	8748.0	7584.7
37.5°	7395.3	7432.2	7552.5	7658.5	7582.3	7385.8	7462.0	7594.2	8231.2	9044.4	7728.7
40°	7628.7	7660.9	7857.3	8082.4	8070.5	7866.8	7910.9	7999.0	8569.4	9469.5	7989.5
42.5°	7858.5	7922.8	8207.4	8526.5	8618.2	8438.4	8508.6	8555.1	9045.6	10032.7	8444.3
45°	8164.5	8233.6	8628.9	9013.5	9227.8	9126.6	9238.5	9256.4	9644.5	10799.5	9105.2
47.5°	8627.7	8706.3	9167.1	9570.7	9898.2	9908.9	10093.4	10086.3	10392.3	11677.0	9937.4
50°	9349.2	9462.4	9839.8	10217.3	10614.9	10836.4	11082.9	11048.4	11288.9	12611.7	10895.9
52.5°	10294.7	10347.0	10626.9	10905.5	11399.6	11896.1	12249.8	12218.8	12305.7	13572.6	11984.2
55°	11274.6	11313.9	11429.4	11581.8	12246.2	13055.8	13803.6	13754.8	13534.5	14570.4	13059.4
57.5°	12155.7	12235.5	12315.2	12378.3	13098.7	14268.0	15393.2	15396.7	14868.1	15646.8	14170.3
60°	12292.6	12362.9	12890.3	13388.0	14557.3	15884.9	17094.6	17058.9	16248.1	16814.8	15408.6
62.5°	10866.2	11024.5	11905.6	13229.7	15962.3	18842.6	19265.3	19221.2	17898.4	18254.4	16850.6
65°	7787.1	7966.9	9030.1	11019.8	15281.2	22101.5	23182.6	22589.7	20148.8	20024.9	18538.9
67.5°	4492.5	4535.3	4996.1	6594.0	11635.4	22271.7	29158.7	28328.7	23643.4	22033.6	19365.3
70°	3322.0	3320.8	3430.4	4057.9	6296.3	18177.0	32000.8	32745.0	27322.6	22694.4	18197.2
71°	3004.1	3007.7	3130.3	3693.5	4986.6	15214.6	31397.1	33026.0	28291.8	22368.2	17351.8
72.5°	2569.5	2581.4	2751.7	3312.5	4194.8	10492.3	28796.7	31340.0	28751.4	21563.3	16029.0
75°	1949.1	1976.5	2212.3	2792.2	3834.0	5321.2	21134.6	25025.8	25541.4	19027.1	11910.4
77.5°	1390.7	1421.7	1688.4	2348.0	3644.7	4010.2	14153.7	18254.4	18796.1	12193.8	5372.4
80°	878.7	915.6	1116.9	1868.2	3424.4	3807.8	8894.4	12270.0	10249.4	3901.9	1366.9
82.5°	515.6	544.1	693.0	1220.5	2796.9	3667.3	5233.1	6801.2	3988.8	1178.8	621.5
85°	298.9	312.0	432.2	777.5	2031.3	3461.3	3844.7	3801.9	1731.3	576.3	294.1
87.5°	139.3	154.8	256.0	406.0	1127.6	2508.8	3038.6	2625.5	1076.4	270.3	138.1
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°	9470.7	9470.7	9470.7	9470.7	9470.7	9470.7	9470.7	9470.7	9470.7	9470.7	9470.7
2.5°	9388.5	9368.3	9283.8	9208.7	9130.2	9027.8	8914.6	8900.4	8831.3	8844.4	8820.6
5°	9202.8	9151.6	8948.0	8763.4	8545.5	8350.3	8138.3	8040.7	7900.2	7890.7	7854.9
7.5°	8937.3	8842.0	8526.5	8176.4	7826.4	7493.0	7163.2	6946.4	6725.0	6630.9	6622.6
10°	8638.4	8476.5	8012.1	7494.2	6989.3	6502.3	6030.8	5681.9	5367.6	5218.8	5212.8
12.5°	8355.0	8115.7	7478.7	6773.8	6083.2	5452.1	4805.6	4347.2	3953.1	3820.9	3764.9
15°	8114.5	7777.5	6959.5	6058.2	5220.0	4343.6	3607.8	3125.5	2761.2	2635.0	2611.2
17.5°	7881.1	7447.7	6427.3	5335.5	4322.2	3358.9	2621.9	2263.5	2069.4	2018.2	2017.0
20°	7649.0	7108.4	5871.3	4596.0	3454.2	2512.3	2015.8	1855.1	1789.6	1783.6	1774.1
22.5°	7385.8	6748.8	5286.6	3854.2	2695.7	1975.3	1713.4	1649.1	1640.8	1662.2	1662.2
25°	7139.3	6391.6	4693.7	3127.9	2096.8	1647.9	1530.0	1516.9	1539.6	1577.7	1581.2
27.5°	6909.5	6047.5	4115.0	2482.6	1680.1	1451.4	1402.6	1418.1	1458.6	1502.6	1503.8
30°	6720.2	5722.4	3553.0	1956.3	1419.3	1305.0	1296.7	1327.6	1371.7	1406.2	1414.5
32.5°	6573.8	5445.0	3010.0	1572.9	1249.0	1195.4	1202.6	1228.8	1256.2	1275.2	1288.3
35°	6505.9	5206.9	2508.8	1326.4	1140.7	1110.9	1120.4	1134.7	1146.6	1160.9	1171.6
37.5°	6517.8	5022.3	2061.1	1172.8	1068.0	1052.6	1052.6	1052.6	1052.6	1059.7	1060.9
40°	6628.5	4916.3	1696.7	1075.2	1019.2	1002.6	989.5	977.6	968.0	972.8	970.4
42.5°	6911.9	4906.8	1430.0	1013.3	979.9	952.5	926.4	909.7	897.8	902.5	904.9
45°	7393.0	5025.9	1250.2	969.2	943.0	901.3	868.0	850.1	841.8	857.3	859.7
47.5°	8015.7	5285.4	1140.7	937.1	908.5	853.7	818.0	801.3	803.7	826.3	832.3
50°	8818.2	5706.9	1088.3	916.8	884.7	813.2	776.3	762.0	769.2	801.3	808.5
52.5°	9699.3	6314.2	1094.2	910.9	869.2	783.5	744.2	727.5	739.4	769.2	775.1
55°	10716.2	7044.1	1193.1	919.2	846.6	764.4	718.0	689.4	698.9	726.3	731.1
57.5°	11846.1	7879.9	1391.9	916.8	818.0	746.6	690.6	647.7	654.9	671.5	676.3
60°	13022.5	8889.6	1700.3	924.0	804.9	725.1	653.7	600.1	597.7	612.0	614.4
62.5°	14434.7	10057.7	2052.7	928.7	813.2	697.7	604.9	552.5	545.3	548.9	551.3
65°	15889.7	10903.1	1920.6	909.7	839.4	675.1	562.0	506.0	492.9	490.6	491.8
67.5°	15934.9	9997.0	1346.7	871.6	850.1	663.2	529.9	466.7	445.3	437.0	435.8
70°	14290.6	8121.7	1049.0	831.1	807.3	644.2	500.1	434.6	402.5	389.4	388.2
71°	13488.1	7476.3	994.2	810.9	775.1	625.1	487.0	420.3	387.0	372.7	370.3
72.5°	12229.5	6702.4	927.5	778.7	713.2	576.3	462.0	400.1	365.5	348.9	345.3
75°	8776.5	4382.9	796.6	694.2	590.6	459.6	404.8	359.6	329.8	309.6	307.2
77.5°	3381.5	1744.4	602.5	577.5	452.5	359.6	333.4	310.8	289.3	269.1	267.9
80°	1045.4	779.9	439.4	434.6	327.4	267.9	259.6	253.6	245.3	223.8	219.1
82.5°	558.4	447.7	302.4	281.0	214.3	178.6	188.1	190.5	191.7	169.1	166.7
85°	266.7	236.9	170.3	159.6	125.0	100.0	115.5	125.0	126.2	103.6	96.4
87.5°	127.4	123.8	79.8	60.7	46.4	33.3	40.5	50.0	54.8	39.3	34.5
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)