

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: P650350

Luminaire Tested: **GLAN-SA4B-835-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4B-835-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14938.9 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

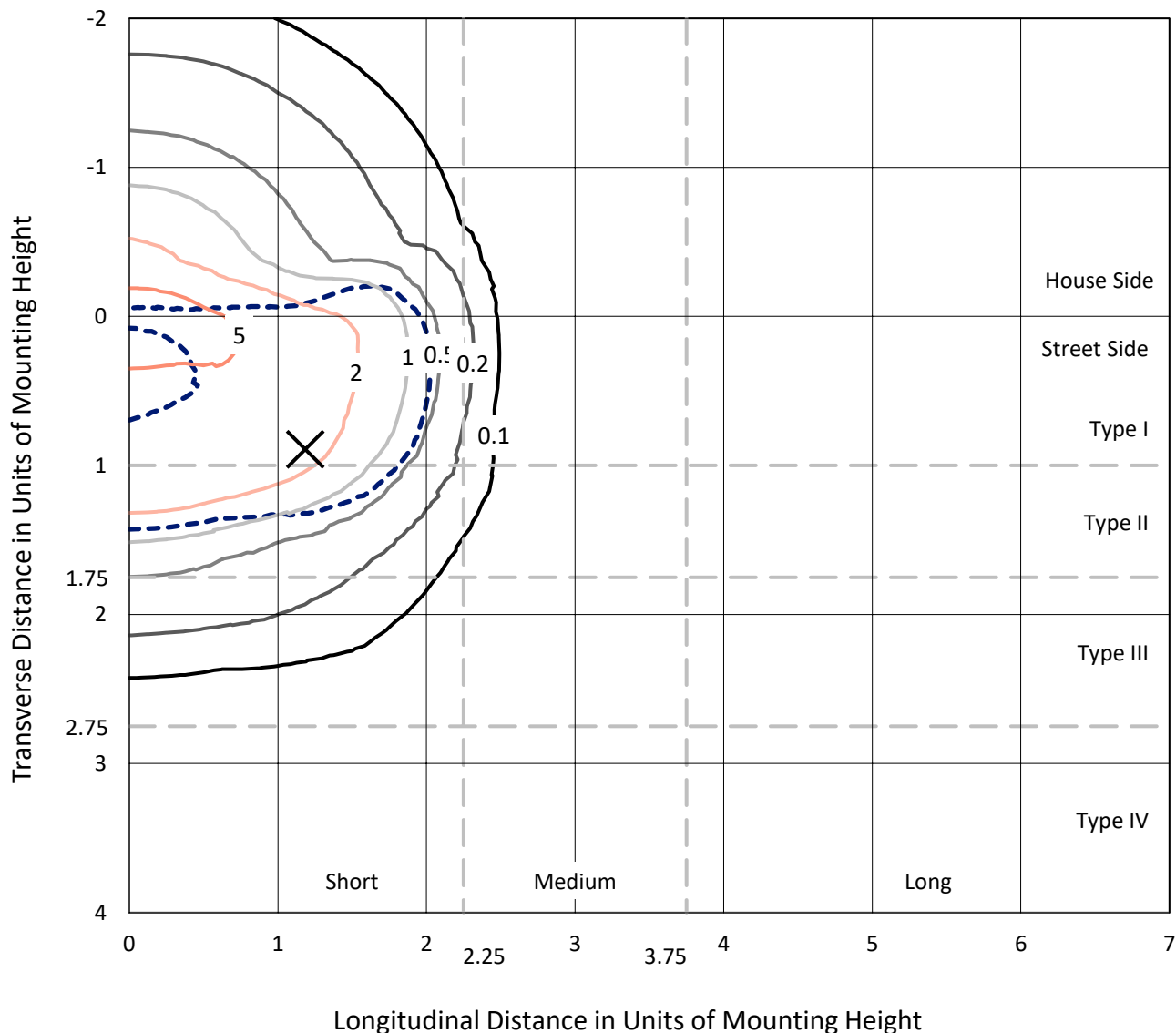
Input Watts (W): 164
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

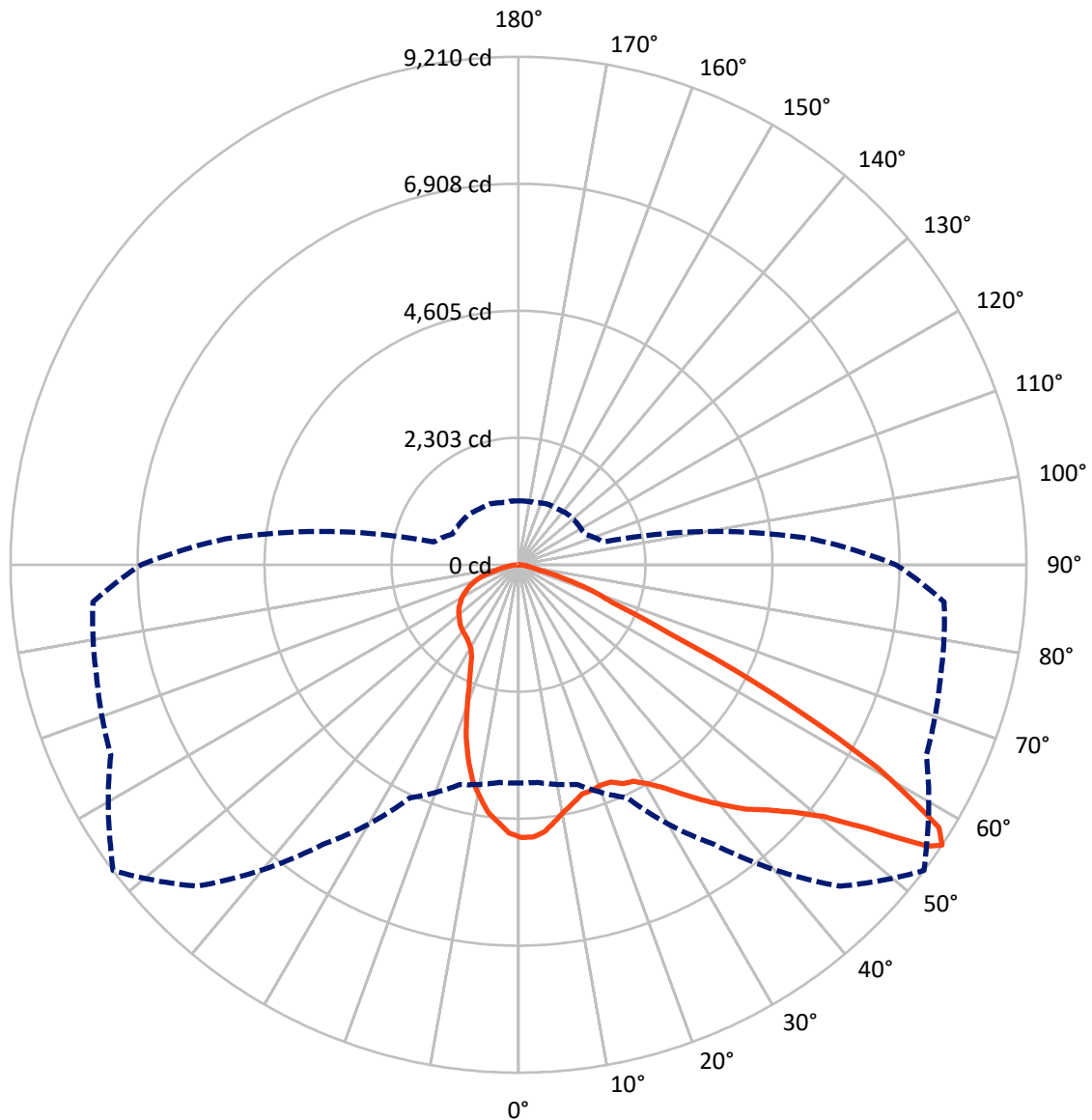
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4359.5	0.0	4359.5
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	10579.4	0.0	10579.4
	% Fixture	70.8	0.0	70.8
Total	Lumens	14938.9	0.0	14938.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.5	2.9
10°-20°	1092.8	7.3
20°-30°	1611.4	10.8
30°-40°	2302.4	15.4
40°-50°	3168.9	21.2
50°-60°	3744.8	25.1
60°-70°	1995.7	13.4
70°-80°	506.3	3.4
80°-90°	78.9	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°	14938.9	100.0
0°-180°	14938.9	100.0

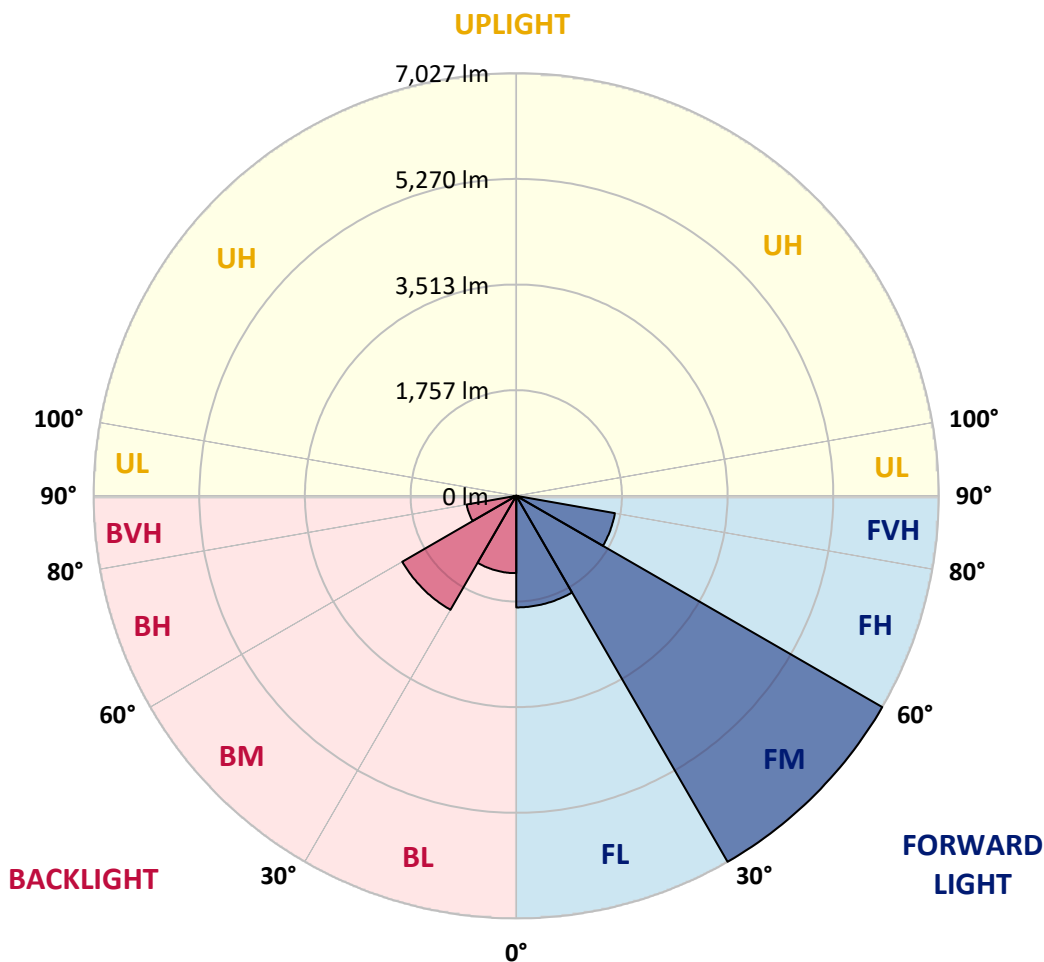


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1855.9	12.4			
FM (30°-60°)	7027.0	47.0			
FH (60°-80°)	1664.8	11.1			G1/1800
FVH (80°-90°)	31.7	0.2			G1/100
BL (0°-30°)	1285.8	8.6	B3/2500		
BM (30°-60°)	2189.2	14.7	B2/2500		
BH (60°-80°)	837.3	5.6	B2/1000		G2/1000
BVH (80°-90°)	47.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4942.4	4942.4	4942.4	4942.4	4942.4	4942.4	4942.4	4942.4	4942.4	4942.4	4942.4
2.5°	4881.1	4838.9	4863.8	4854.2	4932.7	4955.8	4944.3	4953.9	4998.0	4976.8	4932.7
5°	4561.0	4620.4	4631.9	4660.7	4706.6	4796.7	4867.6	4886.8	4907.8	5005.6	4996.0
7.5°	4269.7	4309.9	4288.9	4373.2	4472.8	4618.5	4704.7	4720.1	4913.6	4967.3	5007.5
10°	4085.8	4045.5	4141.3	4164.3	4277.4	4444.1	4547.6	4610.9	4787.1	4999.8	5024.7
12.5°	3915.2	3901.8	3959.2	4024.4	4150.9	4323.3	4428.8	4453.7	4725.8	4950.0	5066.9
15°	3788.7	3773.4	3830.8	3878.7	4026.3	4179.7	4313.8	4384.7	4658.8	4921.3	5030.5
17.5°	3689.0	3687.1	3719.7	3805.9	3957.4	4085.8	4302.3	4306.1	4624.2	4965.4	5061.2
20°	3683.3	3681.4	3687.1	3783.0	3921.0	4078.1	4265.9	4300.4	4624.2	4934.7	5063.1
22.5°	3731.2	3700.5	3735.1	3796.4	3896.1	4091.5	4279.3	4356.0	4735.4	5086.1	5149.3
25°	3807.9	3815.6	3834.7	3855.8	3913.3	4122.2	4398.1	4461.4	4865.7	5216.4	5268.2
27.5°	3947.7	3943.9	3951.6	3963.1	4013.0	4150.9	4446.0	4608.9	5137.8	5448.3	5396.5
30°	4152.8	4139.4	4170.0	4210.3	4164.3	4242.9	4605.1	4727.8	5390.8	5682.1	5540.3
32.5°	4338.7	4388.6	4446.0	4463.3	4407.7	4423.0	4815.9	4940.4	5601.6	5969.5	5716.6
35°	4570.6	4610.9	4687.5	4741.1	4731.6	4685.6	5103.4	5268.2	5906.3	6180.4	5902.5
37.5°	4796.7	4844.7	4971.1	5130.1	5042.1	5020.9	5410.0	5546.0	6000.2	6293.4	6038.6
40°	5160.8	5159.0	5377.4	5459.8	5538.4	5502.0	5728.1	5774.1	6050.0	6268.5	6042.3
42.5°	5588.2	5561.3	5783.6	5912.0	6013.6	6017.4	6059.6	6044.3	6073.0	6142.0	6002.1
45°	5994.5	6052.0	6276.1	6506.1	6607.7	6619.2	6339.4	6310.7	6113.3	6105.6	5925.4
47.5°	6490.8	6504.2	6688.2	6991.0	7226.7	7146.2	6701.6	6638.4	6289.6	6349.0	6053.8
50°	6519.6	6619.2	6784.0	7140.5	7864.8	7843.8	7171.1	7052.3	6573.2	6693.9	6412.2
52.5°	5917.8	5894.8	6090.3	6672.9	7816.9	8537.5	7949.2	7665.6	7182.6	7090.6	6992.9
55°	4509.3	4562.9	4735.4	5323.7	6787.8	8547.1	9009.0	8777.0	7834.2	7677.1	7564.0
56°	3955.4	3963.1	4126.0	4662.6	6193.8	8242.4	9210.2	9022.4	8158.1	7918.5	7746.1
57.5°	3279.0	3234.9	3319.2	3612.4	5227.9	7598.5	8989.8	9173.8	8537.5	8179.1	7939.6
60°	2581.4	2571.8	2537.3	2590.9	3303.9	5724.3	7483.5	7897.4	8499.2	7933.8	7604.3
62.5°	2108.0	2060.2	2129.1	2205.8	2295.8	3551.1	5258.5	5502.0	6747.6	6333.7	5712.8
65°	1634.7	1611.6	1697.9	1947.1	2000.7	2255.6	2995.3	3183.1	3984.1	3913.3	3445.7
67.5°	1124.9	1128.8	1203.5	1582.9	1855.1	1832.1	1834.0	1931.7	2079.3	1544.6	1345.3
70°	712.9	711.0	751.2	1019.5	1492.9	1508.2	1431.6	1402.8	1330.0	804.8	852.8
72.5°	458.1	444.6	465.7	563.4	772.3	893.0	919.9	937.1	770.4	632.4	686.1
75°	258.7	245.3	237.6	262.5	304.7	352.6	387.1	398.6	446.5	479.1	507.9
77.5°	78.5	70.9	86.2	114.9	151.4	203.1	247.2	254.9	300.9	339.2	367.9
80°	34.5	38.3	53.6	76.7	107.3	143.8	174.4	185.9	216.6	245.3	253.0
82.5°	21.1	23.0	36.4	51.8	74.8	101.6	124.6	128.4	159.0	182.0	187.8
85°	7.7	9.6	19.2	30.7	47.9	65.1	65.1	70.9	65.1	65.1	70.9
87.5°	0.0	0.0	1.9	3.8	3.8	5.7	7.7	7.7	9.6	11.5	13.4
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°	4942.4	4942.4	4942.4	4942.4	4942.4	4942.4	4942.4	4942.4	4942.4	4942.4	4942.4
2.5°	4955.8	4946.2	4930.9	4875.3	4869.6	4852.3	4756.5	4741.1	4756.5	4710.4	4714.3
5°	4946.2	4974.9	4859.9	4804.4	4700.9	4626.1	4539.9	4495.8	4417.3	4367.4	4423.0
7.5°	4988.3	4976.8	4833.1	4712.4	4557.1	4367.4	4216.1	4129.8	3991.8	3953.5	3982.3
10°	4973.0	4911.7	4743.0	4584.0	4290.8	4124.1	3878.7	3641.1	3510.8	3443.7	3434.2
12.5°	4951.9	4934.7	4653.0	4378.9	4070.4	3719.7	3374.7	3150.6	2937.8	2845.8	2859.3
15°	4976.8	4831.2	4484.3	4137.5	3727.4	3267.5	2895.7	2606.3	2458.7	2399.3	2399.3
17.5°	4965.4	4781.4	4403.8	3867.2	3348.0	2803.7	2395.5	2221.1	2159.7	2159.7	2177.1
20°	4971.1	4814.0	4241.0	3597.0	2899.5	2361.0	2064.0	2000.7	2027.5	2037.1	2046.7
22.5°	5003.7	4706.6	4081.9	3300.0	2483.7	2019.9	1874.2	1876.1	1924.1	1975.8	1966.2
25°	5043.9	4664.5	3888.4	3004.9	2165.5	1853.1	1807.2	1801.4	1837.8	1864.6	1868.5
27.5°	5009.4	4591.7	3691.0	2637.0	1904.9	1742.0	1732.4	1736.2	1747.7	1801.4	1784.1
30°	5122.5	4612.7	3443.7	2328.4	1761.1	1705.6	1694.1	1688.3	1705.6	1720.9	1707.5
32.5°	5262.4	4538.0	3259.8	2031.3	1690.3	1678.8	1655.7	1648.1	1657.7	1642.3	1650.0
35°	5323.7	4524.6	3020.2	1818.7	1634.7	1625.1	1611.6	1609.8	1611.6	1598.3	1586.7
37.5°	5358.2	4587.8	2746.2	1720.9	1600.2	1609.8	1579.1	1575.2	1540.8	1548.5	1554.2
40°	5417.7	4490.1	2523.8	1627.0	1579.1	1560.0	1533.1	1527.4	1504.4	1490.9	1504.4
42.5°	5331.4	4461.4	2305.4	1586.7	1548.5	1527.4	1508.2	1475.6	1468.0	1456.5	1448.8
45°	5262.4	4296.6	2110.0	1537.0	1512.1	1500.5	1464.1	1429.6	1400.9	1412.4	1395.1
47.5°	5314.1	4239.1	1916.4	1494.7	1462.2	1448.8	1412.4	1385.5	1356.8	1343.4	1339.6
50°	5521.1	4346.4	1753.5	1464.1	1420.0	1412.4	1364.5	1333.8	1307.0	1297.4	1301.2
52.5°	6015.6	4639.6	1642.3	1400.9	1379.8	1345.3	1318.5	1280.1	1262.9	1232.2	1251.4
55°	6642.2	5116.7	1613.6	1341.4	1330.0	1299.3	1262.9	1234.2	1201.6	1176.7	1170.9
56°	6843.4	5344.8	1590.6	1318.5	1299.3	1282.1	1234.2	1216.9	1165.2	1159.4	1155.6
57.5°	7006.3	5546.0	1594.4	1274.4	1255.2	1239.9	1211.1	1169.0	1134.5	1113.4	1123.0
60°	6638.4	5191.5	1521.6	1207.3	1203.5	1174.7	1134.5	1115.3	1073.2	1048.3	1042.5
62.5°	4934.7	3524.2	1234.2	1121.1	1119.1	1088.5	1042.5	1021.4	1013.8	979.3	979.3
65°	2842.0	2209.6	1067.5	1050.2	1034.8	1004.2	958.2	940.9	921.7	910.3	900.7
67.5°	1213.1	1146.0	969.7	967.8	950.6	912.2	866.2	839.4	814.5	791.5	803.0
70°	879.6	893.0	875.8	866.2	845.1	797.3	757.0	724.4	686.1	670.7	682.2
72.5°	697.6	726.3	751.2	753.2	728.2	672.7	628.6	584.5	542.3	521.2	530.9
75°	528.9	548.1	573.0	578.7	542.3	504.0	461.8	415.9	383.3	358.4	362.2
77.5°	381.4	377.6	400.5	396.7	379.4	352.6	314.3	272.1	235.7	212.7	214.6
80°	260.7	266.4	279.8	277.9	256.8	239.5	210.8	176.3	149.5	130.3	126.5
82.5°	182.0	191.6	203.1	193.6	176.3	159.0	138.0	113.1	92.0	76.7	72.8
85°	65.1	74.8	86.2	92.0	97.7	93.9	78.5	63.3	46.0	38.3	36.4
87.5°	13.4	15.3	17.2	17.2	17.2	15.3	13.4	13.4	11.5	5.7	5.7
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)