

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: P459343

Luminaire Tested: **GLAN-SA8A-735-U-T2**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-735-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34596 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

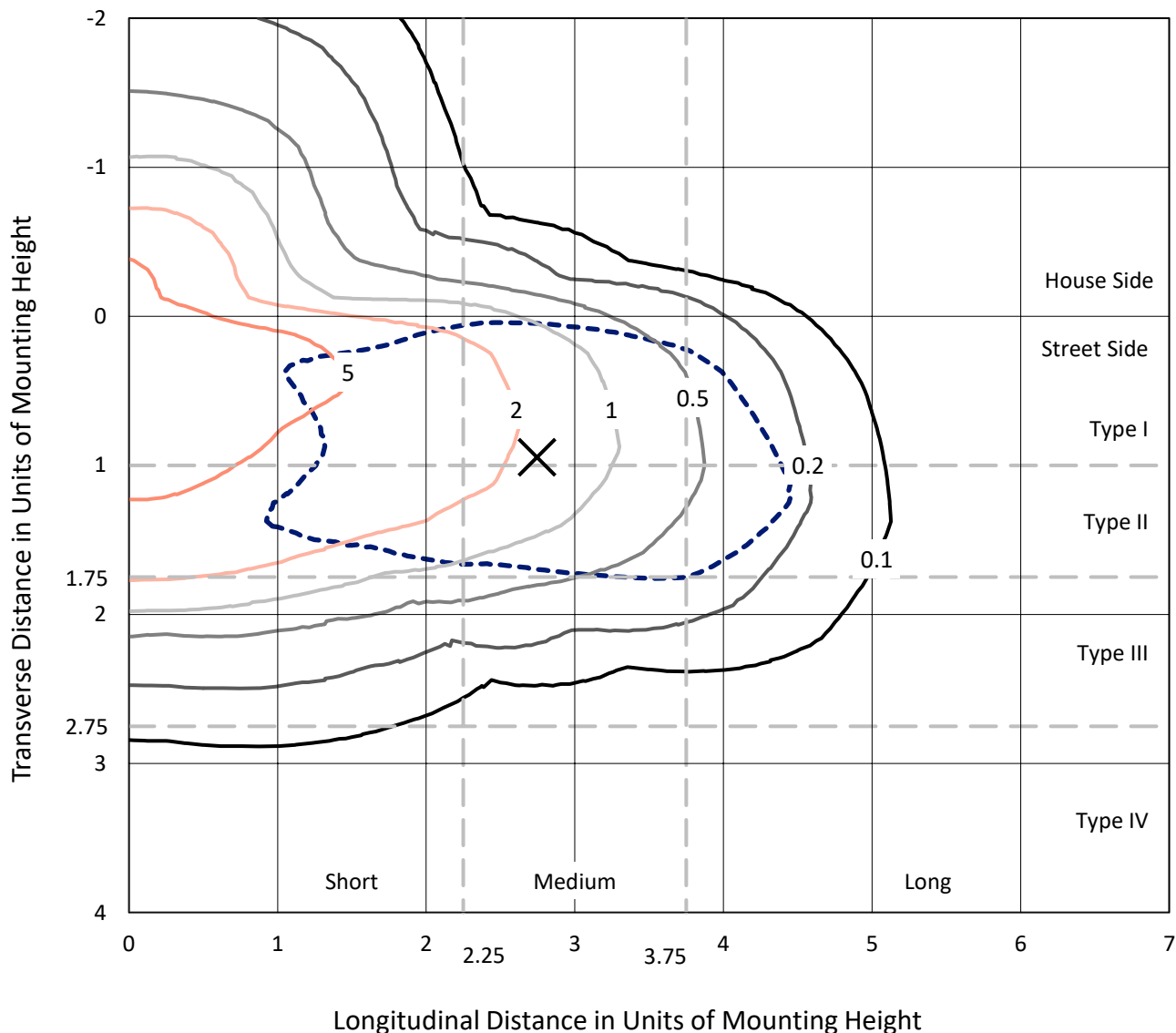
Input Watts (W): 244
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

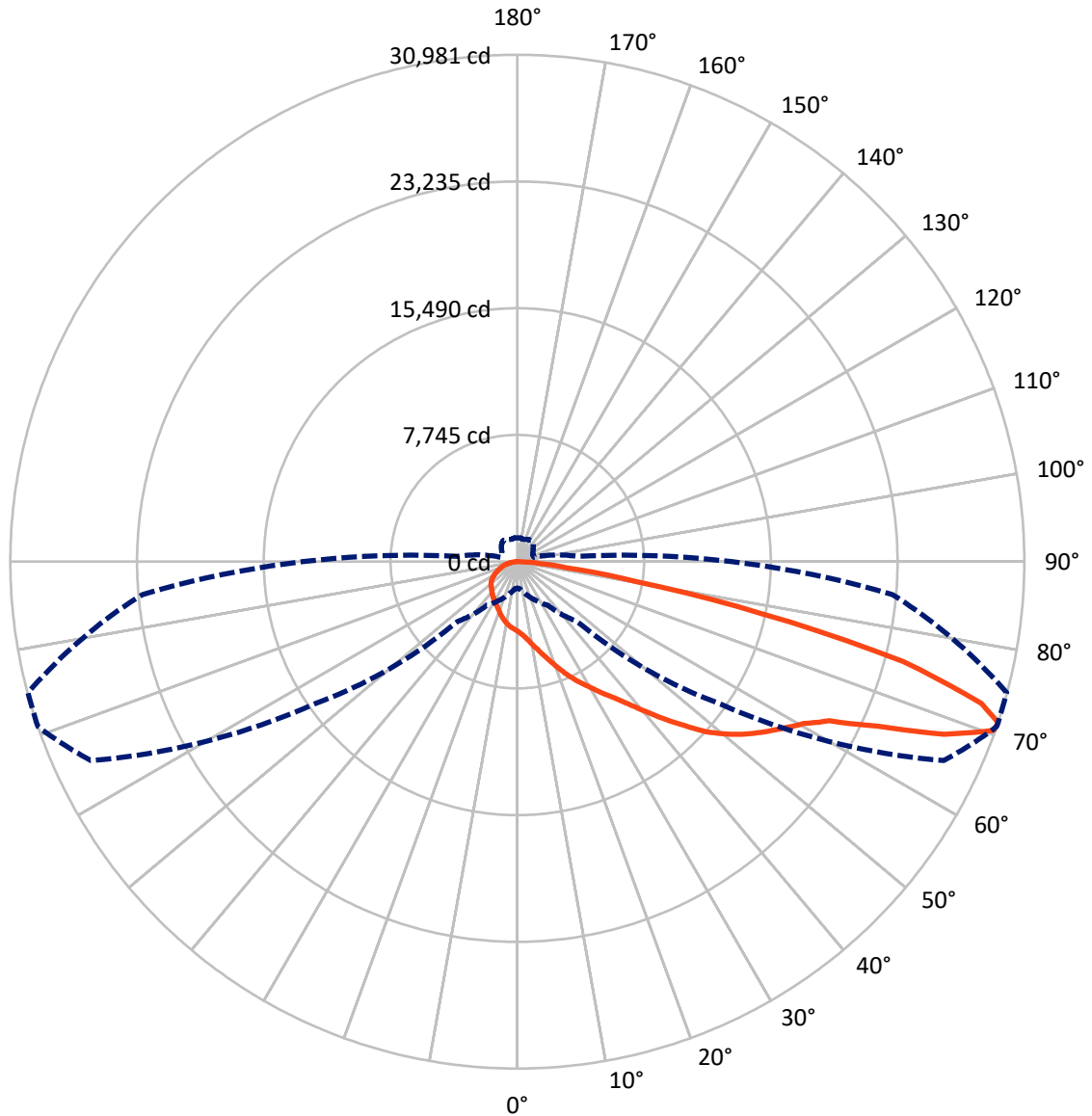
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6222.0	0.0	6222.0
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	28374.0	0.0	28374.0
	% Fixture	82.0	0.0	82.0
Total	Lumens	34596.0	0.0	34596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.3	1.2
10°-20°	1385.1	4.0
20°-30°	2420.6	7.0
30°-40°	3600.3	10.4
40°-50°	5304.6	15.3
50°-60°	7426.5	21.5
60°-70°	8306.2	24.0
70°-80°	5073.8	14.7
80°-90°	652.7	1.9
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°	34596.0	100.0
0°-180°	34596.0	100.0

Coefficient of Utilization



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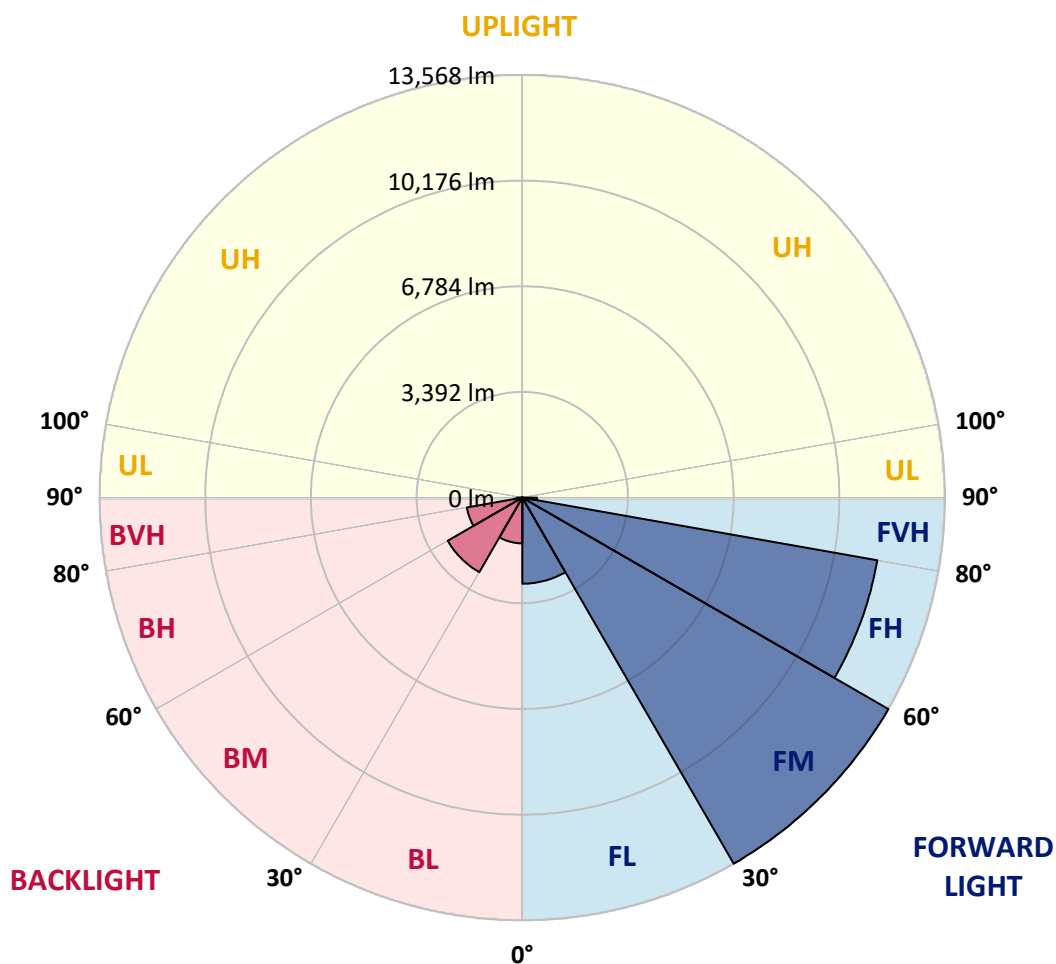
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2764.2	8.0			
FM	(30°-60°)	13567.9	39.2			
FH	(60°-80°)	11572.3	33.4			G4/12000
FVH	(80°-90°)	469.6	1.4			G3/500
BL	(0°-30°)	1467.8	4.2	B3/2500		
BM	(30°-60°)	2763.4	8.0	B3/5000		
BH	(60°-80°)	1807.8	5.2	B3/2500		G3/2500
BVH	(80°-90°)	183.1	0.5			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	4246.0	4246.0	4246.0	4246.0	4246.0	4246.0	4246.0	4246.0	4246.0	4246.0	4246.0
2.5°	4713.7	4690.9	4692.8	4660.5	4618.7	4573.0	4508.4	4451.3	4405.7	4379.1	4301.1
5°	5223.3	5200.5	5172.0	5101.6	5071.2	4959.0	4816.4	4687.1	4588.2	4533.1	4377.2
7.5°	5635.9	5630.2	5622.6	5582.7	5504.7	5348.8	5227.1	5002.8	4856.3	4751.8	4485.6
10°	5890.7	5900.3	5906.0	5913.6	5881.2	5799.5	5632.1	5348.8	5162.5	5029.4	4626.3
12.5°	6020.0	6029.6	6061.9	6132.2	6176.0	6166.5	6029.6	5751.9	5495.2	5320.3	4776.5
15°	6099.9	6115.1	6172.2	6265.3	6411.7	6504.9	6438.4	6181.7	5900.3	5693.0	4955.2
17.5°	6187.4	6204.5	6267.2	6400.3	6592.4	6793.9	6866.2	6645.6	6339.5	6092.3	5154.9
20°	6236.8	6259.6	6349.0	6523.9	6748.3	7041.1	7280.7	7164.7	6830.1	6556.3	5385.0
22.5°	6316.7	6335.7	6411.7	6598.1	6866.2	7233.2	7695.2	7670.5	7375.8	7022.1	5637.9
25°	6533.4	6563.9	6601.9	6714.1	6972.7	7429.0	8039.4	8210.5	7904.4	7508.9	5869.8
27.5°	6942.3	6967.0	6965.1	6980.3	7126.7	7598.3	8337.9	8744.8	8429.2	8001.4	6094.2
30°	7408.1	7417.6	7425.2	7391.0	7423.3	7771.3	8611.7	9273.5	8957.8	8507.2	6290.1
32.5°	7974.8	7993.8	7929.1	7841.7	7815.0	8028.0	8838.0	9802.1	9583.4	9020.6	6484.0
35°	8644.1	8693.5	8562.3	8408.3	8299.9	8396.9	9142.3	10342.1	10224.2	9676.6	6740.7
37.5°	9408.5	9469.3	9347.6	9045.3	8891.3	8917.9	9539.7	11009.5	11034.2	10423.8	7122.9
40°	10034.0	10113.9	10117.7	9689.9	9456.0	9486.4	10043.6	11728.3	12011.6	11348.0	7573.5
42.5°	10446.7	10524.6	10606.4	10355.4	10110.1	10283.1	10631.1	12507.9	13110.6	12469.8	8202.9
45°	10899.2	10969.6	11015.2	10901.1	10764.2	11213.0	11340.4	13336.9	14281.9	13722.9	8891.3
47.5°	11424.0	11502.0	11545.7	11437.3	11386.0	12028.7	12104.7	14110.8	15533.1	14939.8	9651.8
50°	12123.8	12182.7	12159.9	12091.4	12080.0	12654.3	12838.7	14835.2	16565.6	16249.9	10441.0
52.5°	12994.6	13065.0	13089.7	12992.7	12949.0	13101.1	13430.1	15495.1	17504.9	17375.6	11283.3
55°	13521.3	13633.5	14010.0	14162.1	14266.7	13679.2	14067.1	16223.3	18347.3	18562.1	12188.4
57.5°	12846.3	12990.8	13833.2	14593.8	15576.8	15124.3	14970.3	16983.9	19189.6	19712.5	13272.2
60°	11199.6	11232.0	12317.7	13719.1	15696.6	16982.0	16854.6	18193.2	20102.3	20872.4	14700.2
62.5°	7769.4	7837.8	9121.3	11357.5	14217.3	17651.3	20060.5	20281.1	21410.5	22608.4	16793.8
65°	4006.4	3917.0	5086.4	7138.1	10718.6	16061.7	22657.9	24120.1	24247.5	25323.7	19741.0
67.5°	2466.2	2506.1	3053.8	4168.0	6337.6	11673.1	22386.0	28811.0	28139.8	28657.0	22477.2
70°	1852.0	1901.5	2278.0	2852.2	3863.8	6674.2	18003.1	29948.1	30885.5	30752.4	23310.1
71°	1610.5	1661.9	2053.6	2595.5	3245.8	5151.1	15168.0	28757.8	30980.6	30957.8	22996.3
72.5°	1372.9	1405.2	1711.3	2198.1	2736.2	3610.9	11395.5	25791.5	29659.1	30417.8	21876.4
75°	1078.1	1102.9	1239.8	1677.1	2154.4	2217.1	6115.1	19336.0	24359.7	25804.8	18212.3
77.5°	878.5	895.6	965.9	1245.5	1661.9	1570.6	3207.8	12585.8	15261.2	16715.8	10728.1
80°	697.8	716.9	758.7	844.3	1245.5	1120.0	1530.7	6377.5	7372.0	7356.8	4282.1
82.5°	541.9	547.6	597.1	619.9	851.9	794.8	829.0	2700.1	2991.0	3089.9	1545.9
85°	342.3	359.4	528.6	475.4	509.6	465.9	408.8	1072.4	1321.5	1302.5	618.0
87.5°	104.6	110.3	178.7	201.6	226.3	203.5	150.2	315.6	386.0	418.3	154.0
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°	4246.0	4246.0	4246.0	4246.0	4246.0	4246.0	4246.0	4246.0	4246.0	4246.0	4246.0
2.5°	4270.7	4249.8	4175.6	4114.8	4057.7	3995.0	3941.7	3926.5	3913.2	3907.5	3905.6
5°	4310.6	4247.9	4101.5	3981.7	3886.6	3799.1	3744.0	3719.3	3694.6	3694.6	3702.2
7.5°	4367.7	4253.6	4027.3	3848.6	3728.8	3647.0	3607.1	3603.3	3609.0	3614.7	3616.6
10°	4430.4	4249.8	3918.9	3696.5	3590.0	3551.9	3553.8	3586.2	3616.6	3639.4	3643.2
12.5°	4491.3	4227.0	3791.5	3553.8	3485.4	3493.0	3546.2	3618.5	3677.4	3709.8	3711.7
15°	4559.7	4190.8	3637.5	3418.8	3396.0	3455.0	3553.8	3664.1	3753.5	3806.7	3812.4
17.5°	4616.8	4130.0	3475.9	3287.6	3316.2	3424.5	3561.4	3704.1	3812.4	3879.0	3890.4
20°	4681.4	4052.0	3308.6	3162.1	3243.9	3390.3	3546.2	3700.3	3812.4	3877.1	3892.3
22.5°	4732.8	3941.7	3148.8	3059.5	3179.3	3348.5	3494.9	3618.5	3709.8	3744.0	3766.8
25°	4753.7	3802.9	2998.6	2975.8	3127.9	3280.0	3378.9	3449.3	3477.8	3474.0	3483.5
27.5°	4742.3	3643.2	2869.3	2909.2	3063.3	3173.5	3223.0	3217.3	3165.9	3118.4	3141.2
30°	4694.7	3453.1	2760.9	2840.8	2979.6	3040.4	3032.8	2958.7	2861.7	2772.3	2778.0
32.5°	4609.2	3247.7	2660.2	2762.8	2861.7	2888.3	2837.0	2740.0	2601.2	2485.2	2468.1
35°	4536.9	3051.9	2570.8	2673.5	2743.8	2730.5	2681.1	2555.6	2430.1	2327.4	2310.3
37.5°	4525.5	2884.5	2485.2	2572.7	2612.6	2593.6	2532.8	2426.3	2380.6	2302.7	2293.2
40°	4586.3	2766.6	2397.8	2466.2	2485.2	2470.0	2403.5	2342.6	2384.4	2365.4	2365.4
42.5°	4751.8	2703.9	2319.8	2359.7	2374.9	2386.3	2338.8	2287.5	2338.8	2251.3	2222.8
45°	5014.2	2705.8	2249.4	2255.1	2300.8	2340.7	2308.4	2232.3	2205.7	2030.8	1996.5
47.5°	5400.2	2770.4	2192.4	2156.3	2238.0	2304.6	2258.9	2148.7	2030.8	1914.8	1893.9
50°	5850.8	2886.4	2141.1	2053.6	2154.4	2258.9	2224.7	2095.4	1973.7	1903.4	1890.1
52.5°	6350.9	3032.8	2078.3	1939.5	2051.7	2238.0	2232.3	2087.8	1920.5	1872.9	1861.5
55°	6968.9	3177.4	2000.3	1806.4	1960.4	2220.9	2211.4	2025.1	1909.1	1874.8	1871.0
57.5°	7687.6	3386.5	1888.2	1671.4	1855.8	2150.6	2129.6	1987.0	1871.0	1846.3	1844.4
60°	8845.6	3711.7	1728.4	1547.8	1749.3	2027.0	2053.6	1922.4	1810.2	1804.5	1802.6
62.5°	10368.7	4168.0	1563.0	1420.4	1625.8	1867.2	1943.3	1834.9	1745.5	1774.1	1777.9
65°	12471.7	4552.1	1391.9	1312.0	1488.8	1713.2	1838.7	1753.2	1673.3	1728.4	1728.4
67.5°	13842.7	4559.7	1236.0	1199.8	1350.0	1583.9	1728.4	1656.2	1580.1	1673.3	1677.1
70°	13557.5	3995.0	1106.7	1081.9	1215.0	1445.1	1606.7	1549.7	1462.2	1545.9	1515.5
71°	13097.3	3681.2	1055.3	1036.3	1161.8	1378.6	1549.7	1502.2	1414.7	1469.8	1452.7
72.5°	12363.3	3196.4	971.6	975.5	1081.9	1294.9	1469.8	1420.4	1332.9	1363.4	1357.6
75°	10450.5	2791.4	830.9	848.1	929.8	1152.3	1310.1	1272.1	1182.7	1182.7	1177.0
77.5°	6533.4	1950.9	690.2	699.7	789.1	986.9	1125.7	1093.3	1007.8	979.3	971.6
80°	2437.7	1007.8	540.0	551.4	606.6	777.7	931.7	901.3	813.8	781.5	751.1
82.5°	922.2	505.8	397.4	387.9	446.8	593.3	730.2	694.0	625.6	547.6	524.8
85°	348.0	251.0	243.4	235.8	262.4	351.8	452.5	444.9	372.7	317.5	311.8
87.5°	91.3	81.8	95.1	70.4	74.2	66.6	68.5	28.5	13.3	5.7	3.8
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)