

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: P459053

Luminaire Tested: **GLAN-SA5C-735-U-T2**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P459053  
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-SA5C-735-U-T2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32985 lumens  
Efficiency: N/A  
Efficacy: 122.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

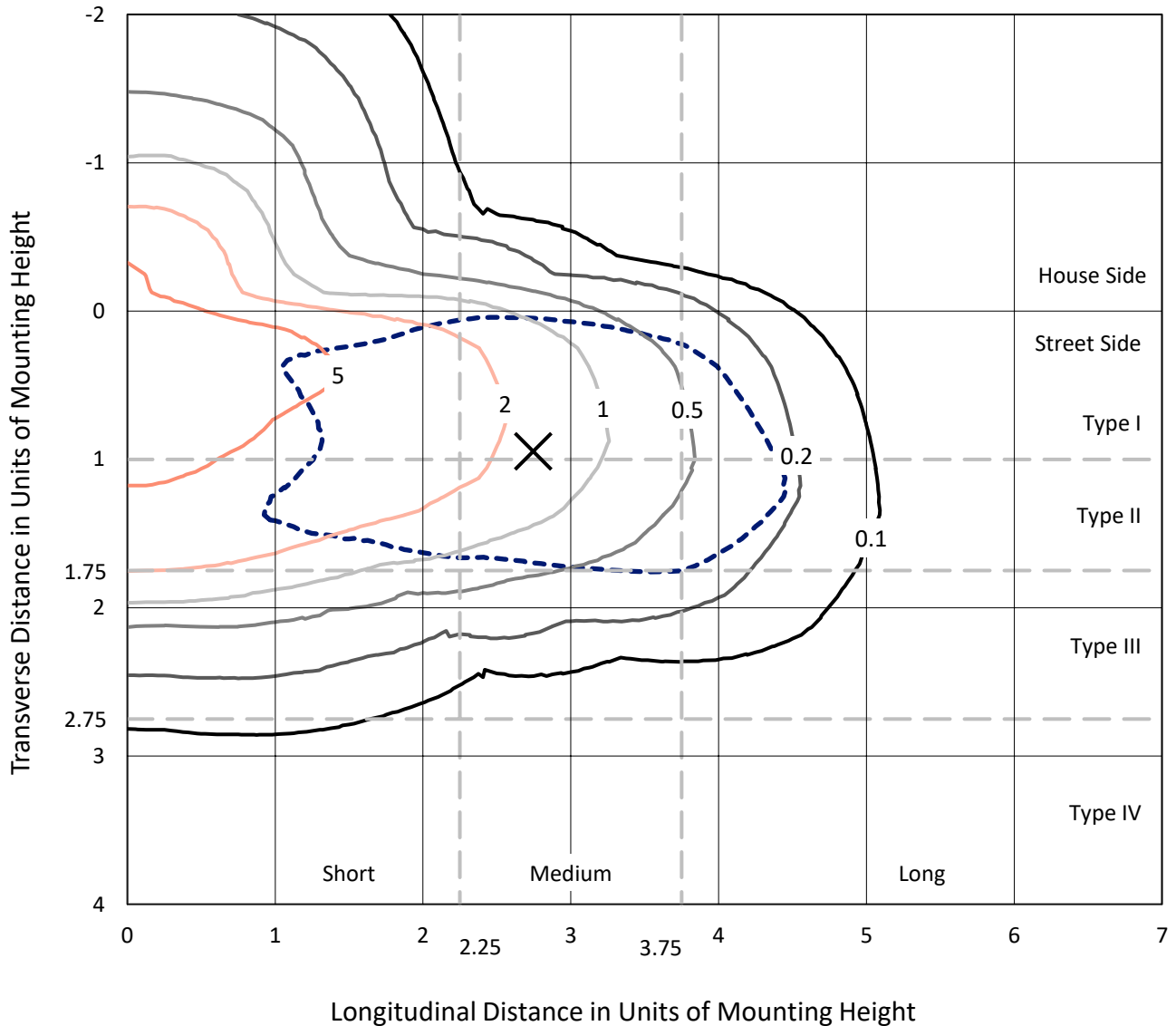
Input Watts (W): 269  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

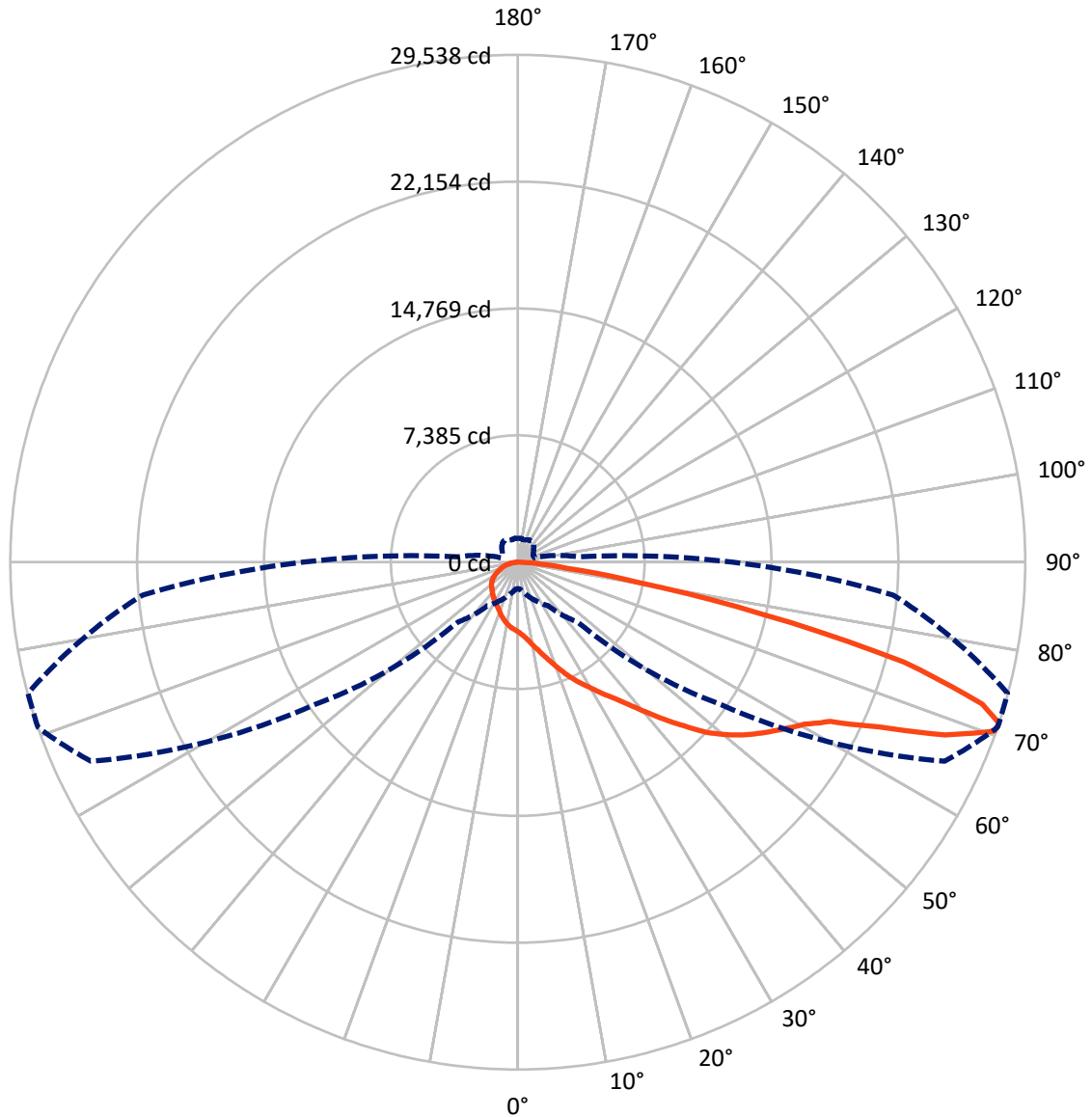
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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
<b>House Side</b>	Lumens	5932.3	0.0	5932.3
	% Fixture	18.0	0.0	18.0
<b>Street Side</b>	Lumens	27052.7	0.0	27052.7
	% Fixture	82.0	0.0	82.0
<b>Total</b>	Lumens	32985.0	0.0	32985.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	406.5	1.2
10°-20°	1320.6	4.0
20°-30°	2307.9	7.0
30°-40°	3432.6	10.4
40°-50°	5057.5	15.3
50°-60°	7080.6	21.5
60°-70°	7919.5	24.0
70°-80°	4837.5	14.7
80°-90°	622.3	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°	32985.0	100.0
0°-180°	32985.0	100.0

**Coefficient of Utilization**



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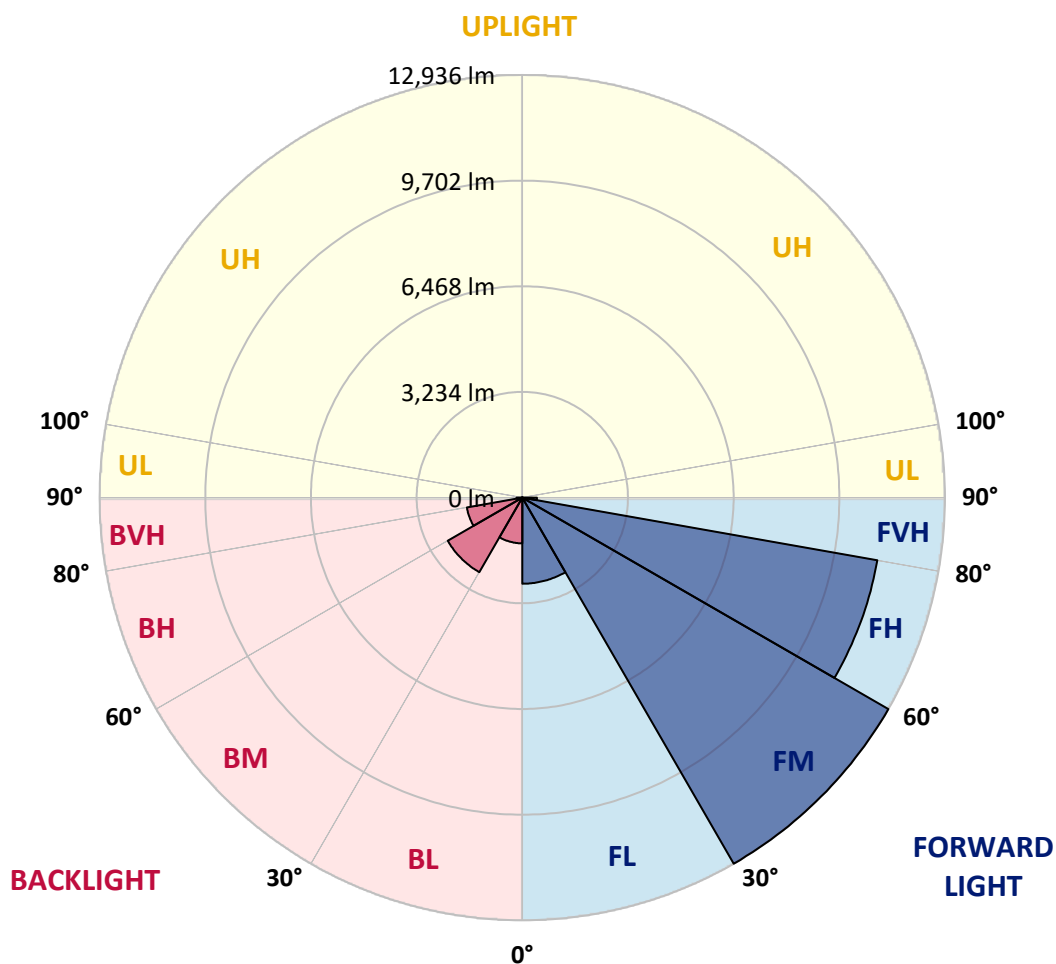
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2635.5	8.0			
FM	(30°-60°)	12936.1	39.2			
FH	(60°-80°)	11033.4	33.4			G4/12000
FVH	(80°-90°)	447.8	1.4			G3/500
BL	(0°-30°)	1399.4	4.2	B3/2500		
BM	(30°-60°)	2634.8	8.0	B3/5000		
BH	(60°-80°)	1723.6	5.2	B3/2500		G3/2500
BVH	(80°-90°)	174.5	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°	4048.3	4048.3	4048.3	4048.3	4048.3	4048.3	4048.3	4048.3	4048.3	4048.3	4048.3
2.5°	4494.2	4472.5	4474.3	4443.5	4403.6	4360.1	4298.4	4244.1	4200.5	4175.2	4100.8
5°	4980.1	4958.3	4931.2	4864.1	4835.1	4728.1	4592.1	4468.9	4374.6	4322.0	4173.3
7.5°	5373.5	5368.1	5360.8	5322.7	5248.4	5099.8	4983.7	4769.8	4630.2	4530.5	4276.7
10°	5616.4	5625.5	5630.9	5638.2	5607.4	5529.4	5369.9	5099.8	4922.1	4795.2	4410.8
12.5°	5739.7	5748.8	5779.6	5846.7	5888.4	5879.3	5748.8	5484.1	5239.3	5072.6	4554.1
15°	5815.9	5830.4	5884.7	5973.6	6113.2	6202.0	6138.6	5893.8	5625.5	5427.9	4724.5
17.5°	5899.3	5915.6	5975.4	6102.3	6285.4	6477.6	6546.5	6336.2	6044.3	5808.6	4914.8
20°	5946.4	5968.1	6053.4	6220.1	6434.1	6713.3	6941.7	6831.1	6512.0	6251.0	5134.2
22.5°	6022.5	6040.7	6113.2	6290.8	6546.5	6896.4	7336.9	7313.3	7032.3	6695.1	5375.3
25°	6229.2	6258.2	6294.5	6401.4	6648.0	7083.1	7665.0	7828.2	7536.3	7159.2	5596.5
27.5°	6619.0	6642.6	6640.7	6655.2	6794.8	7244.4	7949.7	8337.6	8036.7	7628.8	5810.4
30°	7063.1	7072.2	7079.5	7046.8	7077.7	7409.4	8210.7	8841.6	8540.7	8111.0	5997.2
32.5°	7603.4	7621.5	7559.9	7476.5	7451.1	7654.2	8426.5	9345.6	9137.1	8600.5	6182.1
35°	8241.6	8288.7	8163.6	8016.7	7913.4	8005.9	8716.5	9860.5	9748.1	9226.0	6426.8
37.5°	8970.3	9028.4	8912.3	8624.1	8477.2	8502.6	9095.4	10496.8	10520.4	9938.4	6791.2
40°	9566.8	9642.9	9646.6	9238.7	9015.7	9044.7	9575.9	11182.1	11452.2	10819.5	7220.9
42.5°	9960.2	10034.5	10112.5	9873.2	9639.3	9804.3	10136.1	11925.4	12500.1	11889.2	7821.0
45°	10391.7	10458.8	10502.3	10393.5	10263.0	10690.8	10812.3	12715.8	13616.9	13083.9	8477.2
47.5°	10892.0	10966.4	11008.1	10904.7	10855.8	11468.6	11541.1	13453.7	14809.8	14244.1	9202.4
50°	11559.2	11615.4	11593.6	11528.4	11517.5	12065.0	12240.9	14144.4	15794.2	15493.2	9954.8
52.5°	12389.5	12456.6	12480.2	12387.7	12346.0	12491.0	12804.7	14773.5	16689.8	16566.5	10757.9
55°	12891.7	12998.7	13357.6	13502.7	13602.4	13042.2	13412.0	15467.9	17492.9	17697.8	11620.8
57.5°	12248.1	12385.9	13189.0	13914.2	14851.5	14420.0	14273.1	16193.0	18296.0	18794.6	12654.2
60°	10678.1	10708.9	11744.1	13080.2	14965.7	16191.2	16069.8	17346.1	19166.2	19900.5	14015.7
62.5°	7407.6	7472.9	8696.6	10828.6	13555.2	16829.4	19126.3	19336.6	20413.5	21555.7	16011.7
65°	3819.8	3734.6	4849.6	6805.7	10219.4	15313.8	21602.8	22996.9	23118.4	24144.5	18821.8
67.5°	2351.4	2389.4	2911.6	3973.9	6042.5	11129.5	21343.5	27469.4	26829.5	27322.6	21430.6
70°	1765.8	1812.9	2171.9	2719.4	3683.9	6363.4	17164.8	28553.5	29447.3	29320.4	22224.6
71°	1535.5	1584.5	1958.0	2474.6	3094.7	4911.2	14461.7	27418.7	29538.0	29516.2	21925.5
72.5°	1308.9	1339.8	1631.6	2095.7	2608.8	3442.7	10864.9	24590.5	28278.0	29001.3	20857.7
75°	1027.9	1051.5	1182.0	1599.0	2054.0	2113.9	5830.4	18435.6	23225.4	24603.2	17364.2
77.5°	837.6	853.9	921.0	1187.5	1584.5	1497.5	3058.4	11999.7	14550.5	15937.4	10228.5
80°	665.3	683.5	723.4	804.9	1187.5	1067.8	1459.4	6080.5	7028.7	7014.2	4082.7
82.5°	516.7	522.1	569.3	591.0	812.2	757.8	790.4	2574.4	2851.7	2946.0	1473.9
85°	326.3	342.6	504.0	453.2	485.9	444.2	389.8	1022.5	1260.0	1241.9	589.2
87.5°	99.7	105.1	170.4	192.2	215.7	194.0	143.2	300.9	368.0	398.8	146.8
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°	4048.3	4048.3	4048.3	4048.3	4048.3	4048.3	4048.3	4048.3	4048.3	4048.3	4048.3
2.5°	4071.8	4051.9	3981.2	3923.2	3868.8	3809.0	3758.2	3743.7	3731.0	3725.6	3723.7
5°	4109.9	4050.1	3910.5	3796.3	3705.6	3622.2	3569.6	3546.1	3522.5	3522.5	3529.8
7.5°	4164.3	4055.5	3839.8	3669.4	3555.1	3477.2	3439.1	3435.5	3440.9	3446.4	3448.2
10°	4224.1	4051.9	3736.4	3524.3	3422.8	3386.5	3388.4	3419.2	3448.2	3469.9	3473.6
12.5°	4282.1	4030.1	3615.0	3388.4	3323.1	3330.3	3381.1	3450.0	3506.2	3537.0	3538.8
15°	4347.4	3995.7	3468.1	3259.6	3237.9	3294.1	3388.4	3493.5	3578.7	3629.5	3634.9
17.5°	4401.8	3937.7	3314.0	3134.5	3161.7	3265.1	3395.6	3531.6	3634.9	3698.4	3709.2
20°	4463.4	3863.3	3154.5	3014.9	3092.8	3232.4	3381.1	3527.9	3634.9	3696.6	3711.1
22.5°	4512.4	3758.2	3002.2	2917.0	3031.2	3192.6	3332.2	3450.0	3537.0	3569.6	3591.4
25°	4532.3	3625.8	2859.0	2837.2	2982.3	3127.3	3221.6	3288.6	3315.8	3312.2	3321.3
27.5°	4521.4	3473.6	2735.7	2773.8	2920.6	3025.8	3072.9	3067.5	3018.5	2973.2	2994.9
30°	4476.1	3292.3	2632.4	2708.5	2840.9	2898.9	2891.6	2820.9	2728.4	2643.2	2648.7
32.5°	4394.5	3096.5	2536.3	2634.2	2728.4	2753.8	2704.9	2612.4	2480.1	2369.5	2353.2
35°	4325.6	2909.7	2451.1	2549.0	2616.0	2603.4	2556.2	2436.6	2316.9	2219.0	2202.7
37.5°	4314.8	2750.2	2369.5	2452.9	2491.0	2472.8	2414.8	2313.3	2269.8	2195.5	2186.4
40°	4372.8	2637.8	2286.1	2351.4	2369.5	2355.0	2291.5	2233.5	2273.4	2255.3	2255.3
42.5°	4530.5	2578.0	2211.8	2249.8	2264.3	2275.2	2229.9	2180.9	2229.9	2146.5	2119.3
45°	4780.7	2579.8	2144.7	2150.1	2193.6	2231.7	2200.9	2128.4	2103.0	1936.2	1903.6
47.5°	5148.7	2641.4	2090.3	2055.9	2133.8	2197.3	2153.8	2048.6	1936.2	1825.6	1805.7
50°	5578.4	2752.0	2041.4	1958.0	2054.0	2153.8	2121.1	1997.8	1881.8	1814.7	1802.0
52.5°	6055.2	2891.6	1981.5	1849.2	1956.1	2133.8	2128.4	1990.6	1831.1	1785.7	1774.9
55°	6644.4	3029.4	1907.2	1722.3	1869.1	2117.5	2108.4	1930.8	1820.2	1787.5	1783.9
57.5°	7329.6	3228.8	1800.2	1593.6	1769.4	2050.4	2030.5	1894.5	1783.9	1760.3	1758.5
60°	8433.7	3538.8	1647.9	1475.7	1667.9	1932.6	1958.0	1832.9	1725.9	1720.5	1718.7
62.5°	9885.9	3973.9	1490.2	1354.3	1550.0	1780.3	1852.8	1749.5	1664.3	1691.5	1695.1
65°	11891.0	4340.1	1327.1	1250.9	1419.5	1633.4	1753.1	1671.5	1595.4	1647.9	1647.9
67.5°	13198.1	4347.4	1178.4	1144.0	1287.2	1510.2	1647.9	1579.1	1506.5	1595.4	1599.0
70°	12926.1	3809.0	1055.1	1031.6	1158.5	1377.8	1531.9	1477.5	1394.1	1473.9	1444.9
71°	12487.4	3509.8	1006.2	988.0	1107.7	1314.4	1477.5	1432.2	1348.8	1401.4	1385.1
72.5°	11787.6	3047.5	926.4	930.0	1031.6	1234.6	1401.4	1354.3	1270.9	1299.9	1294.4
75°	9963.8	2661.4	792.2	808.6	886.5	1098.6	1249.1	1212.8	1127.6	1127.6	1122.2
77.5°	6229.2	1860.1	658.1	667.2	752.4	940.9	1073.3	1042.4	960.8	933.7	926.4
80°	2324.2	960.8	514.9	525.7	578.3	741.5	888.3	859.3	775.9	745.1	716.1
82.5°	879.3	482.2	378.9	369.8	426.0	565.6	696.2	661.7	596.5	522.1	500.4
85°	331.8	239.3	232.1	224.8	250.2	335.4	431.5	424.2	355.3	302.8	297.3
87.5°	87.0	78.0	90.6	67.1	70.7	63.5	65.3	27.2	12.7	5.4	3.6
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)