

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: P654037

Luminaire Tested: **GLAN-SA8A-840-U-SL2**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P654037  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8A-840-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31000.1 lumens  
Efficiency: N/A  
Efficacy: 127.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

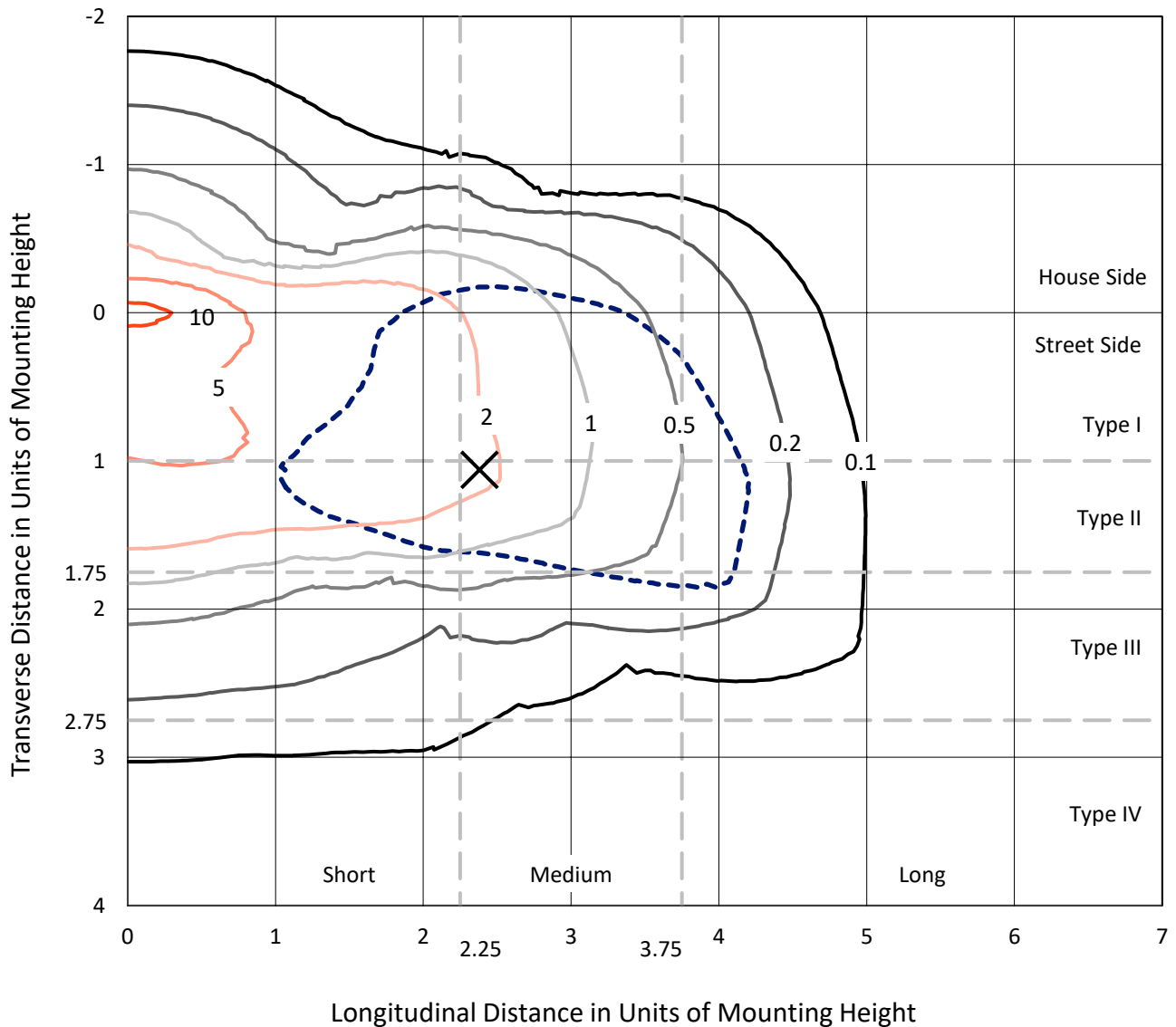
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

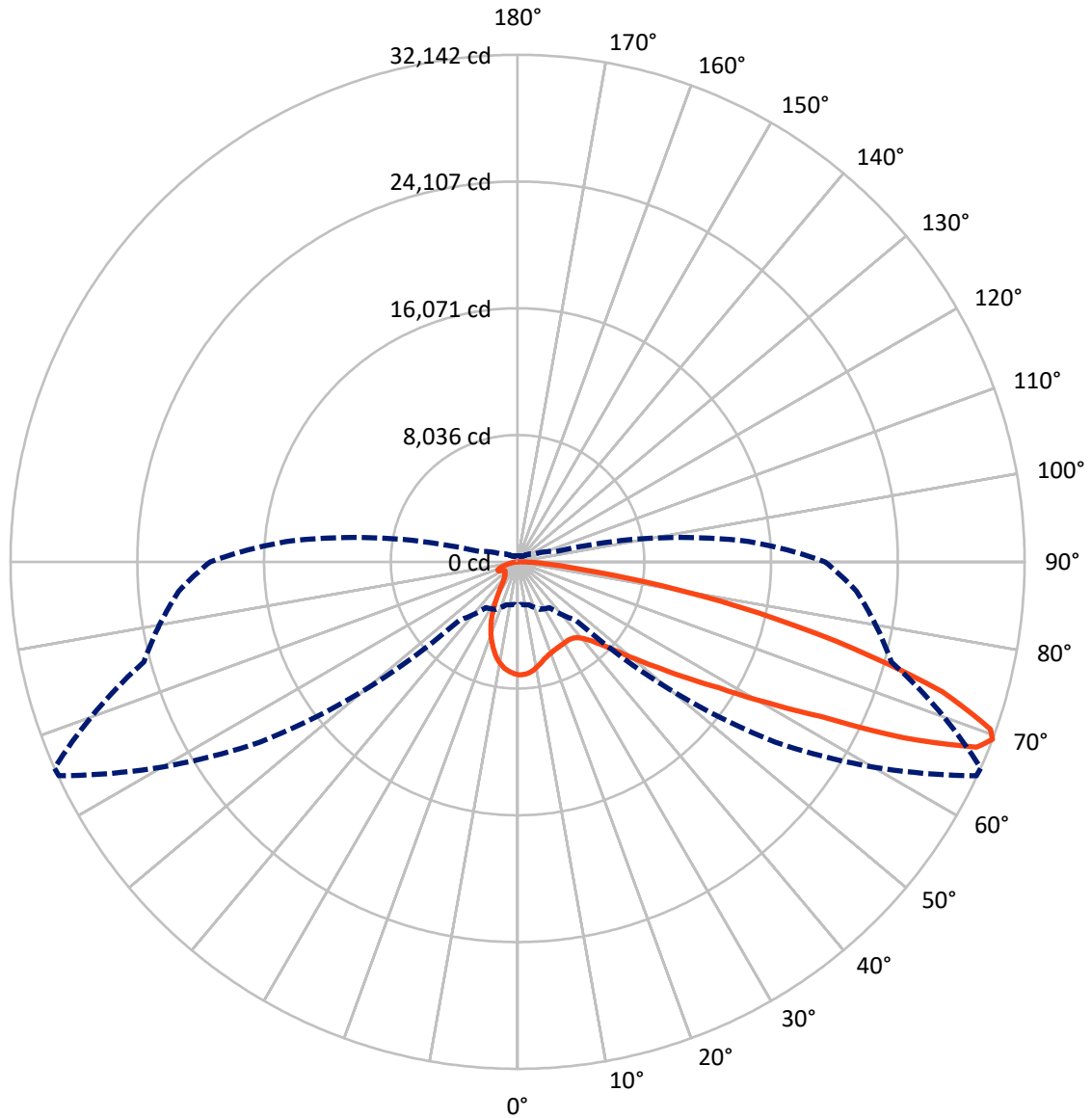
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5830.0	0.0	5830.0
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	25170.1	0.0	25170.1
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	31000.1	0.0	31000.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	621.7	2.0
10°-20°	1474.5	4.8
20°-30°	2007.4	6.5
30°-40°	2697.5	8.7
40°-50°	4027.8	13.0
50°-60°	6406.9	20.7
60°-70°	7880.1	25.4
70°-80°	5127.2	16.5
80°-90°	757.1	2.4
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°	31000.1	100.0
0°-180°	31000.1	100.0

**Coefficient of Utilization**

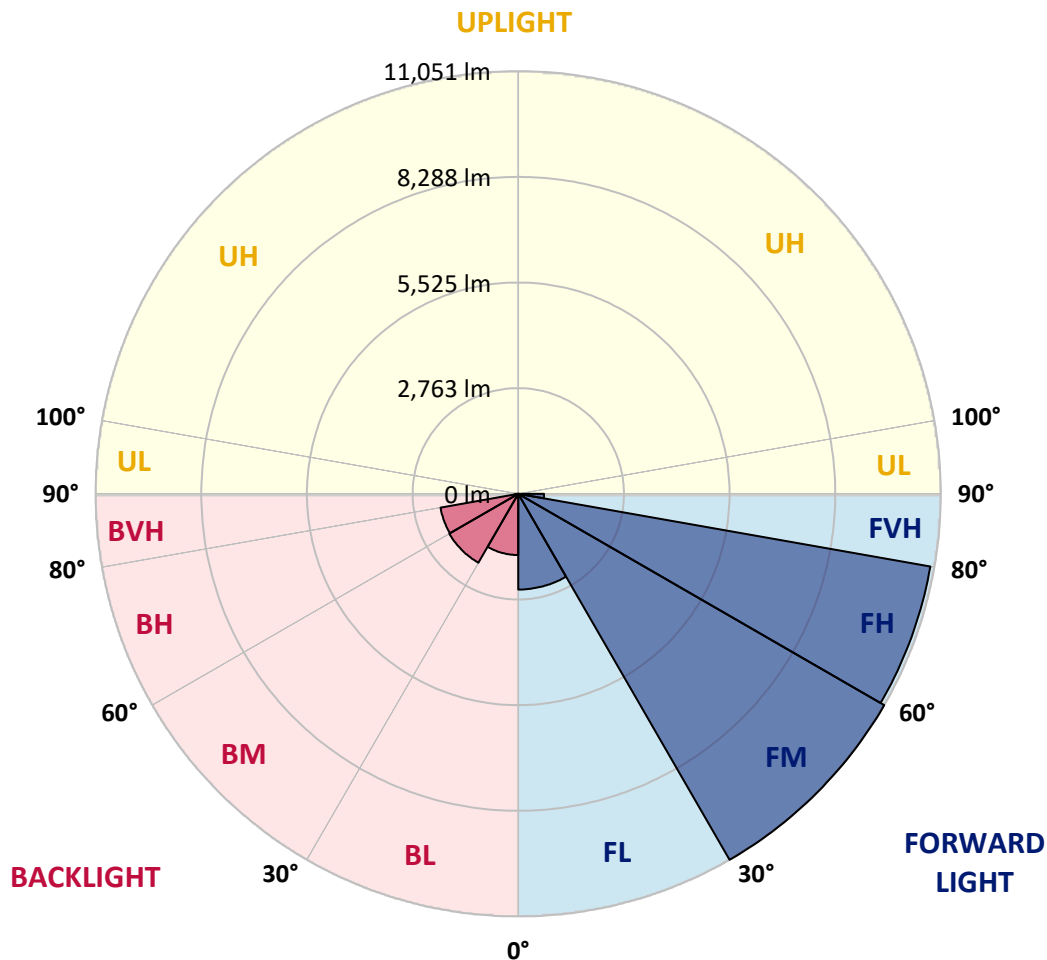


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2503.2	8.1			
FM (30°-60°)	11050.6	35.6			
FH (60°-80°)	10943.2	35.3			G4/12000
FVH (80°-90°)	673.1	2.2			G4/750
BL (0°-30°)	1600.3	5.2	B3/2500		
BM (30°-60°)	2081.5	6.7	B2/2500		
BH (60°-80°)	2064.1	6.7	B3/2500		G3/2500
BVH (80°-90°)	84.0	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-G4**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7158.8	7158.8	7158.8	7158.8	7158.8	7158.8	7158.8	7158.8	7158.8	7158.8	7158.8
2.5°	6908.1	6935.6	6966.5	7000.8	7066.1	7102.2	7127.9	7157.1	7160.5	7175.9	7164.0
5°	6398.2	6430.9	6477.2	6542.5	6640.4	6793.1	6951.0	7079.8	7095.3	7167.3	7187.9
7.5°	5972.5	5991.4	6029.2	6133.9	6272.9	6442.9	6672.9	6933.9	6971.6	7143.4	7203.4
10°	5625.7	5644.6	5689.3	5797.4	5934.8	6147.6	6400.0	6743.3	6774.3	7069.5	7206.9
12.5°	5366.5	5383.7	5431.8	5538.2	5696.1	5895.2	6173.4	6537.3	6582.0	6971.6	7174.2
15°	5169.1	5201.7	5241.2	5328.7	5495.3	5687.5	5957.1	6348.5	6384.5	6868.6	7151.9
17.5°	5084.9	5100.4	5127.9	5208.6	5330.4	5519.3	5790.5	6200.9	6243.8	6796.5	7146.7
20°	5088.4	5103.9	5109.0	5153.6	5241.2	5404.3	5672.1	6084.1	6135.6	6733.0	7155.3
22.5°	5205.1	5206.9	5188.0	5172.5	5206.9	5342.5	5587.9	5996.6	6056.6	6705.5	7162.2
25°	5385.4	5416.3	5388.8	5316.7	5253.2	5318.5	5555.4	5948.5	6005.2	6666.1	7153.6
27.5°	5677.3	5682.4	5660.1	5562.2	5397.5	5349.3	5541.6	5912.4	5960.5	6636.9	7110.7
30°	6068.7	6053.2	6032.6	5924.4	5665.2	5467.8	5570.8	5879.9	5929.6	6593.9	7059.2
32.5°	6465.2	6513.3	6494.4	6367.4	6030.9	5697.9	5665.2	5876.4	5917.6	6561.4	7002.6
35°	6885.9	6908.1	6997.4	6932.2	6587.1	6070.3	5842.1	5929.6	5962.2	6563.1	6963.1
37.5°	7215.4	7275.5	7485.0	7541.6	7217.1	6563.1	6128.7	6080.7	6094.4	6647.2	6978.5
40°	7613.7	7716.8	7986.2	8218.0	8005.1	7203.4	6616.3	6360.5	6377.6	6849.8	7079.8
42.5°	8118.4	8190.6	8552.8	8866.9	8832.6	8049.8	7206.9	6818.9	6827.5	7253.2	7363.0
45°	8709.0	8812.0	9218.9	9690.9	9771.7	9007.7	8060.1	7512.4	7507.3	7879.8	7891.9
47.5°	9464.4	9527.9	9931.3	10446.3	10772.5	10211.2	9095.2	8508.1	8453.2	8793.1	8695.3
50°	10159.6	10259.2	10564.8	11127.9	11939.9	11620.6	10456.7	9799.2	9670.4	9988.0	9823.1
52.5°	10451.4	10556.2	10813.7	11512.4	12940.7	13443.7	12185.4	11339.0	11124.4	11368.2	11308.2
55°	9945.1	10080.6	10321.0	11170.8	13380.2	15546.7	14516.7	13119.3	12963.1	12858.4	12875.5
57.5°	8583.7	8712.4	9036.9	9974.3	12854.9	17072.9	17845.4	15407.7	15072.9	14590.5	14672.9
60°	6533.9	6614.5	6782.8	7821.5	11297.8	17469.5	21625.7	18300.4	18087.6	16315.8	16374.2
62.5°	4640.3	4731.3	4848.0	5366.5	8271.2	16351.9	24585.4	22339.9	21579.4	18102.9	18046.3
65°	3768.3	3706.5	3847.2	4089.3	4853.2	12672.9	25251.4	27946.8	26899.6	20456.7	19670.3
67.5°	3098.7	3033.5	3172.5	3603.4	3691.0	7356.2	22851.5	31586.2	31376.8	23016.2	21320.1
69°	2743.3	2709.0	2830.9	3321.9	3543.3	5224.0	19907.2	32092.6	32142.4	24525.2	21574.2
70°	2472.1	2485.8	2604.3	3179.4	3476.4	4307.3	17014.5	31393.9	31816.2	25278.9	21299.5
72.5°	1819.8	1848.9	2013.7	2633.5	3412.9	3654.9	10125.3	27421.4	28168.2	25323.5	19485.0
75°	1272.1	1258.4	1404.3	1982.8	3224.1	3622.3	5946.8	21206.8	22053.2	21888.4	16372.5
77.5°	832.6	855.0	971.7	1400.9	2712.5	3594.9	3876.4	15045.5	15594.8	14638.6	9684.1
80°	587.1	585.4	650.7	956.2	2012.0	3454.1	3174.3	9483.3	9344.2	5752.8	2872.1
82.5°	336.5	360.5	436.1	673.0	1345.9	3040.3	2920.2	4535.6	4140.7	1639.4	969.9
85°	187.1	195.7	259.2	406.9	786.3	2290.1	2549.3	2063.5	1946.7	685.0	417.1
87.5°	60.0	65.3	108.2	206.0	357.1	1081.5	1443.7	952.8	878.9	247.2	168.2
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°	7158.8	7158.8	7158.8	7158.8	7158.8	7158.8	7158.8	7158.8	7158.8	7158.8	7158.8
2.5°	7169.1	7189.7	7134.8	7081.6	7033.5	6966.5	6906.5	6856.7	6822.3	6817.1	6800.0
5°	7193.2	7194.8	7090.1	6949.4	6812.0	6661.0	6504.7	6393.1	6288.4	6230.0	6200.9
7.5°	7210.3	7194.8	7006.0	6777.7	6513.3	6238.6	5964.0	5744.2	5574.2	5507.3	5533.0
10°	7203.4	7155.3	6879.0	6513.3	6128.7	5718.5	5323.6	5014.5	4731.3	4585.4	4588.8
12.5°	7165.7	7086.7	6690.2	6216.3	5651.5	5102.1	4497.8	4080.7	3752.8	3558.8	3498.7
15°	7133.0	6995.7	6468.6	5812.8	5110.8	4326.2	3589.7	3074.7	2800.0	2647.2	2645.4
17.5°	7098.7	6908.1	6226.6	5385.4	4489.3	3479.8	2707.3	2314.2	2185.4	2200.8	2175.1
20°	7062.6	6805.1	5974.2	4909.8	3732.2	2595.7	2027.5	1867.8	1903.9	1974.2	1984.5
22.5°	7021.4	6695.3	5703.0	4386.2	2935.6	1953.6	1644.7	1620.6	1713.3	1823.2	1838.6
25°	6957.9	6557.9	5361.4	3838.7	2264.4	1574.3	1440.4	1457.5	1548.5	1641.2	1651.5
27.5°	6868.6	6388.0	5016.3	3155.3	1701.3	1351.1	1316.8	1339.0	1383.7	1440.4	1454.1
30°	6748.5	6195.7	4619.7	2564.8	1363.1	1239.5	1225.8	1237.8	1263.5	1287.6	1294.4
32.5°	6628.3	6010.3	4219.7	1963.9	1215.4	1165.6	1151.9	1151.9	1151.9	1155.4	1157.0
35°	6516.7	5835.2	3790.6	1529.6	1138.2	1107.3	1088.4	1067.8	1064.4	1052.3	1052.3
37.5°	6454.9	5675.5	3333.9	1280.7	1081.5	1059.2	1033.5	999.1	980.3	982.0	978.5
40°	6467.0	5570.8	2918.4	1139.9	1035.2	1011.1	971.7	932.2	920.1	920.1	916.8
42.5°	6602.5	5536.5	2520.1	1066.1	990.5	963.1	913.3	877.2	870.4	868.7	872.1
45°	6915.0	5620.6	2163.1	1018.0	952.8	911.6	861.8	829.1	822.3	822.3	820.6
47.5°	7524.4	5893.6	1907.3	987.1	925.4	872.1	820.6	788.0	776.0	772.5	772.5
50°	8472.1	6485.8	1716.7	959.7	891.0	836.0	782.8	745.0	726.2	724.4	722.8
52.5°	9788.8	7409.5	1642.9	939.1	853.2	798.3	739.9	703.8	679.9	674.7	671.2
55°	11328.8	8698.7	1744.2	923.6	813.8	755.4	695.3	657.5	635.2	624.9	623.2
57.5°	13112.5	10247.2	2128.7	903.0	777.7	709.0	650.7	612.8	588.9	576.8	573.4
60°	14714.1	11838.6	2800.0	891.0	746.8	659.3	599.1	564.8	542.5	530.5	528.7
62.5°	16473.8	13356.2	3601.8	923.6	733.0	611.2	551.1	520.2	501.3	489.3	489.3
65°	18353.6	14875.5	4132.2	1033.5	753.6	573.4	499.6	473.8	456.7	448.1	446.3
67.5°	19620.5	15400.8	3404.3	1146.8	805.2	532.2	449.8	429.2	418.9	410.3	410.3
69°	19483.2	14736.4	2511.6	1176.0	820.6	511.6	422.4	406.9	393.2	389.7	386.3
70°	19048.9	13979.4	2104.7	1157.0	808.6	492.7	405.1	386.3	374.2	370.8	369.1
72.5°	16966.5	12123.6	1567.4	1006.0	688.4	427.5	358.8	341.6	331.4	326.1	326.1
75°	14096.1	9909.0	1224.0	800.0	539.1	360.5	307.3	293.6	285.0	281.6	279.8
77.5°	7900.4	5533.0	878.9	626.6	408.6	291.8	257.5	245.5	236.9	233.5	233.5
80°	2200.8	1581.1	516.7	413.8	278.1	221.4	204.3	195.7	183.7	175.1	180.2
82.5°	829.1	685.0	295.3	248.9	176.9	147.7	142.5	135.7	130.4	118.4	118.4
85°	403.4	333.0	188.8	132.2	97.9	77.3	73.8	70.4	66.9	58.4	60.0
87.5°	139.0	147.7	82.4	48.1	29.2	18.9	15.5	8.6	8.6	8.6	8.6
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)