

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: P455479

Luminaire Tested: **GLAN-SA6C-830-U-SL4**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455479  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-830-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32427 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

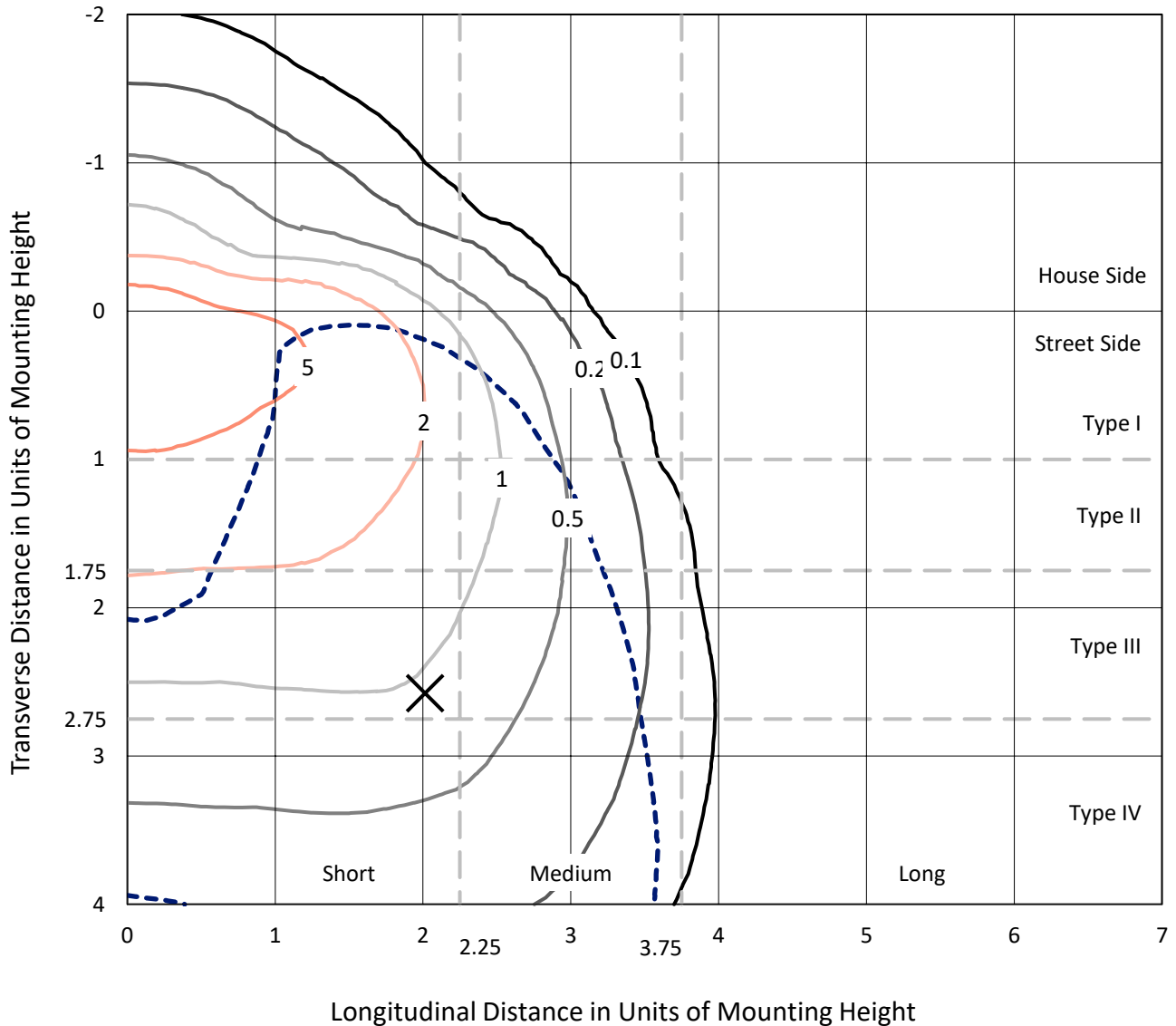
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

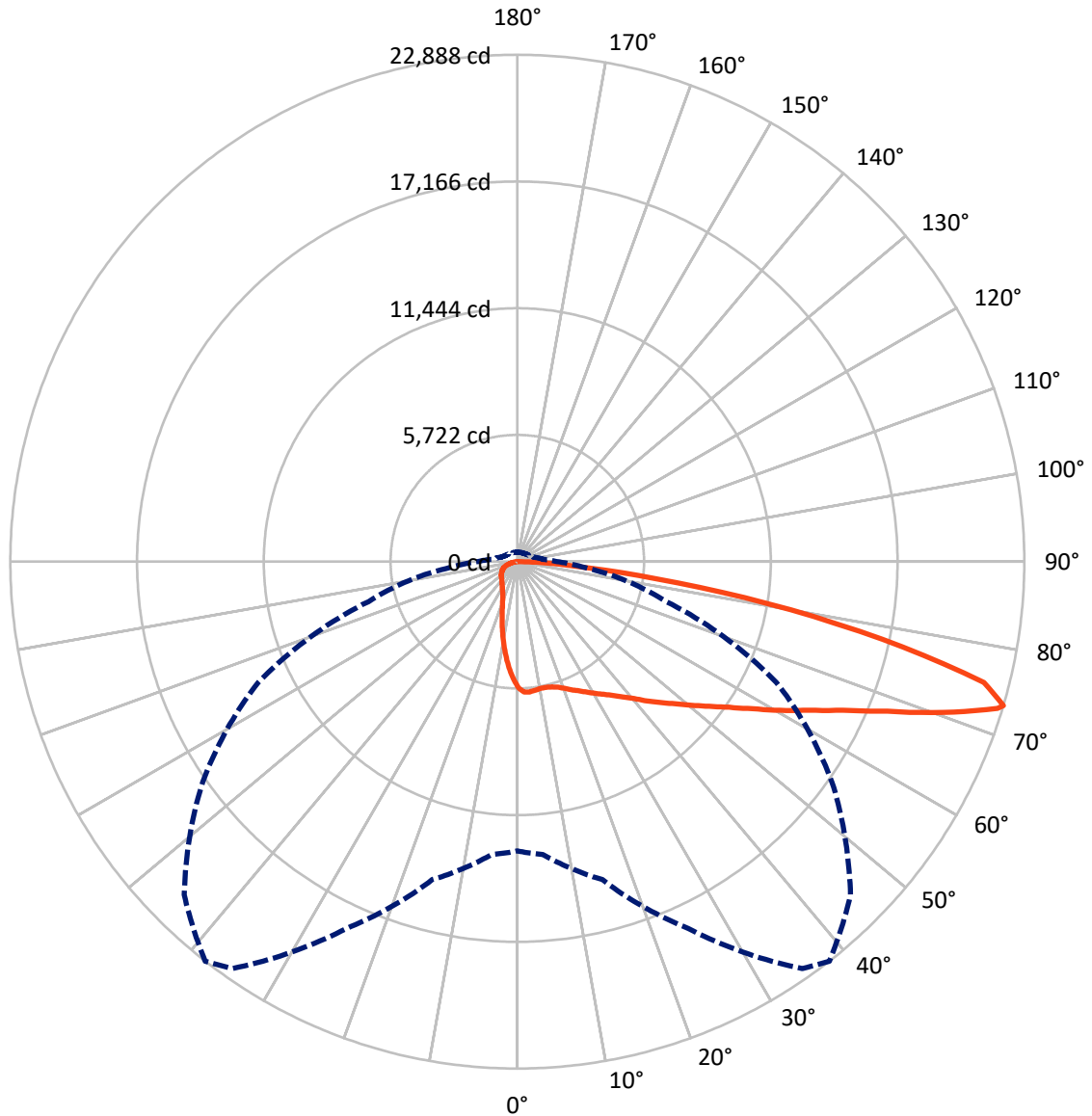
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 73-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4359.1	0.0	4359.1
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	28067.8	0.0	28067.8
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	32427.0	0.0	32427.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	497.3	1.5
10°-20°	1275.2	3.9
20°-30°	1985.7	6.1
30°-40°	2912.6	9.0
40°-50°	4320.4	13.3
50°-60°	6121.2	18.9
60°-70°	7764.9	23.9
70°-80°	6463.7	19.9
80°-90°	1086.0	3.3
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°	32427.0	100.0
0°-180°	32427.0	100.0

**Coefficient of Utilization**



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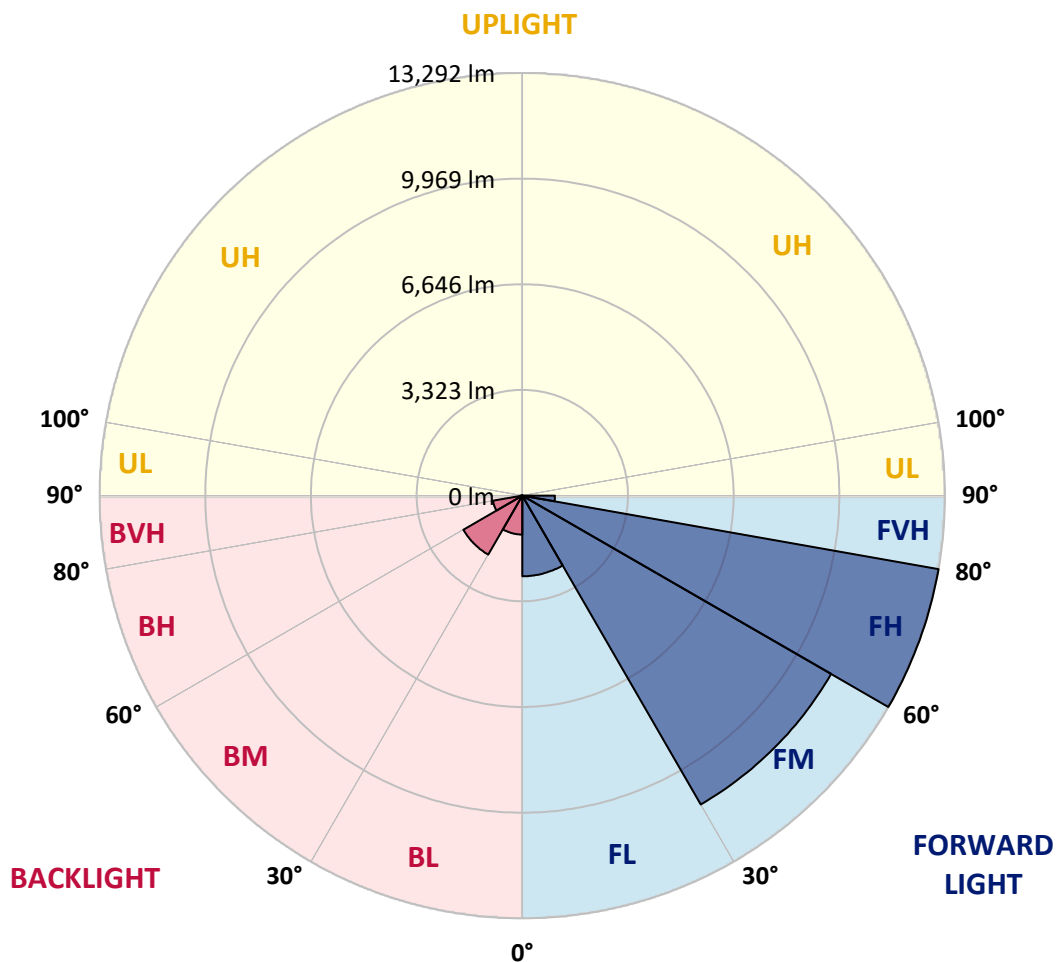
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2534.9	7.8			
FM	(30°-60°)	11214.1	34.6			
FH	(60°-80°)	13291.7	41.0			G5
FVH	(80°-90°)	1027.1	3.2			G5
BL	(0°-30°)	1223.2	3.8	B3/2500		
BM	(30°-60°)	2140.1	6.6	B2/2500		
BH	(60°-80°)	937.0	2.9	B2/1000		G2/1000
BVH	(80°-90°)	58.9	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9
2.5°	5925.8	5955.1	5940.4	5920.3	5907.5	5894.6	5876.3	5823.2	5781.1	5735.3	5663.9
5°	5969.7	5988.0	5975.2	5949.6	5920.3	5907.5	5872.7	5803.1	5735.3	5658.4	5552.2
7.5°	5944.1	5951.4	5936.8	5905.6	5880.0	5856.2	5815.9	5739.0	5656.6	5563.2	5424.0
10°	5852.5	5880.0	5880.0	5854.4	5828.7	5815.9	5775.6	5702.4	5627.3	5521.1	5356.3
12.5°	5777.4	5806.7	5830.6	5823.2	5821.4	5821.4	5790.3	5735.3	5647.4	5546.7	5350.8
15°	5726.2	5761.0	5812.2	5841.5	5859.9	5865.3	5852.5	5804.9	5715.2	5598.0	5372.8
17.5°	5715.2	5757.3	5850.7	5914.8	5962.4	5960.6	5956.9	5891.0	5792.1	5671.2	5400.2
20°	5764.6	5819.6	5949.6	6050.3	6119.9	6107.1	6086.9	6000.9	5885.5	5750.0	5425.9
22.5°	5913.0	5969.7	6112.6	6222.4	6290.2	6290.2	6229.8	6116.2	5993.5	5841.5	5460.6
25°	6125.4	6187.6	6339.6	6451.3	6482.5	6458.7	6398.2	6260.9	6119.9	5973.4	5533.9
27.5°	6385.4	6460.5	6601.5	6694.9	6685.7	6667.4	6605.2	6429.4	6288.4	6154.7	5658.4
30°	6709.5	6764.5	6911.0	6932.9	6900.0	6896.3	6808.4	6632.6	6500.8	6398.2	5836.0
32.5°	7015.3	7064.8	7182.0	7191.1	7132.5	7139.9	7057.5	6896.3	6821.2	6784.6	6134.5
35°	7339.5	7365.1	7465.8	7454.8	7416.4	7410.9	7377.9	7224.1	7247.9	7313.8	6557.5
37.5°	7610.5	7661.8	7718.5	7727.7	7725.8	7744.2	7766.1	7692.9	7830.2	8037.2	7112.4
40°	7859.5	7903.5	7987.7	8017.0	8088.4	8125.1	8200.1	8202.0	8518.8	8859.4	7795.4
42.5°	8028.0	8103.1	8260.6	8313.7	8487.6	8597.5	8709.2	8828.2	9287.9	9725.5	8601.2
45°	8174.5	8273.4	8535.2	8700.0	8936.3	9070.0	9306.2	9555.2	10216.3	10789.5	9419.7
47.5°	8396.1	8484.0	8784.3	9075.4	9432.5	9586.4	9939.8	10311.5	11175.8	11803.9	10203.5
50°	8703.7	8756.8	9062.6	9536.9	9992.9	10190.6	10657.6	11194.1	12201.3	12805.6	10892.0
52.5°	9097.4	9119.4	9362.9	9994.7	10595.3	10840.7	11459.7	12085.9	13098.6	13675.4	11437.7
55°	9562.5	9525.9	9716.4	10480.0	11283.9	11604.3	12269.1	12988.7	14107.6	14378.6	11835.1
57.5°	10022.2	9965.4	10117.4	11069.6	12133.6	12519.9	13294.5	13919.0	15008.5	15036.0	12113.4
60°	10509.3	10467.2	10648.4	11761.8	13175.5	13633.3	14349.3	14884.0	15880.2	15493.8	12157.4
62.5°	11009.2	10941.4	11199.6	12540.1	14349.3	14765.0	15459.0	15909.5	16735.4	15664.1	11734.4
65°	11494.5	11463.3	11862.5	13464.8	15686.1	16158.5	16832.4	17138.2	17420.2	15407.7	10685.1
67.5°	12010.9	12073.1	12710.4	14699.1	17429.4	18022.7	18749.7	18462.2	17616.2	14193.7	8998.5
70°	12798.3	12838.6	13823.8	16316.0	19676.3	20392.3	20743.9	18932.8	16671.3	11888.2	6764.5
72.5°	13137.1	13314.7	14818.1	18013.5	22229.0	22666.6	21414.1	17883.5	13887.8	8075.6	3554.4
73°	13062.0	13274.4	14863.9	18271.7	22428.6	22888.2	21271.3	17343.3	12910.0	6954.9	3047.1
75°	12126.2	12388.1	14268.7	18055.7	22040.4	21765.7	18974.9	14781.5	8723.9	3162.5	1388.1
77.5°	9568.0	9643.1	11305.9	14580.0	17356.1	16847.1	14201.0	9238.4	3563.5	1175.6	787.4
80°	4799.6	5076.1	6372.6	8352.1	11606.2	11439.5	8963.7	4369.3	1485.1	690.4	521.9
82.5°	2309.1	2505.1	3103.9	4072.6	6412.9	6260.9	4438.8	2387.9	943.1	402.9	307.6
85°	1486.9	1633.4	1975.9	1942.9	2636.9	2517.9	1994.2	1807.4	558.5	210.6	214.3
87.5°	981.5	1074.9	1289.2	1031.0	959.6	868.0	880.8	1018.1	109.9	80.6	29.3
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°	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9	5696.9
2.5°	5634.6	5610.8	5532.1	5455.2	5381.9	5312.3	5266.5	5206.1	5165.8	5176.8	5193.3
5°	5493.6	5440.5	5301.3	5165.8	5037.6	4885.7	4763.0	4664.1	4589.0	4561.5	4556.0
7.5°	5345.3	5255.6	5056.0	4823.4	4605.5	4416.9	4198.9	4090.9	3964.6	3920.6	3906.0
10°	5255.6	5134.7	4854.5	4530.4	4202.6	3889.5	3653.3	3461.0	3287.0	3254.0	3237.6
12.5°	5229.9	5070.6	4693.4	4275.9	3840.0	3455.5	3105.7	2853.0	2684.5	2646.1	2589.3
15°	5215.3	5017.5	4543.2	4019.5	3466.5	2997.7	2629.6	2334.8	2181.0	2078.4	2080.2
17.5°	5202.4	4957.1	4374.7	3739.3	3144.2	2604.0	2197.4	1931.9	1790.9	1736.0	1730.5
20°	5184.1	4885.7	4180.6	3444.5	2776.1	2245.1	1877.0	1679.2	1584.0	1538.2	1536.4
22.5°	5176.8	4816.1	3990.2	3144.2	2450.2	1968.5	1664.6	1525.4	1465.0	1433.8	1433.8
25°	5195.1	4766.6	3790.6	2858.5	2160.8	1732.3	1518.1	1422.8	1388.1	1371.6	1366.1
27.5°	5251.9	4744.6	3592.8	2572.8	1895.3	1571.2	1419.2	1353.3	1327.6	1314.8	1316.6
30°	5359.9	4742.8	3398.7	2290.8	1697.5	1448.5	1340.4	1294.7	1274.5	1267.2	1265.4
32.5°	5533.9	4783.1	3208.3	2058.3	1530.9	1345.9	1267.2	1234.2	1225.1	1219.6	1217.8
35°	5828.7	4896.6	3019.7	1845.9	1402.7	1254.4	1197.6	1181.1	1168.3	1173.8	1175.6
37.5°	6226.1	5092.6	2840.2	1679.2	1305.6	1186.6	1139.0	1124.4	1117.0	1122.5	1128.0
40°	6759.0	5374.6	2690.0	1545.5	1236.1	1129.9	1087.7	1074.9	1067.6	1076.7	1078.6
42.5°	7346.8	5700.5	2565.5	1441.2	1179.3	1082.2	1042.0	1027.3	1021.8	1027.3	1029.1
45°	7951.1	6079.6	2501.4	1366.1	1131.7	1047.4	1005.3	988.8	976.0	972.4	977.9
47.5°	8546.2	6409.2	2499.6	1320.3	1093.2	1016.3	970.5	952.2	935.7	926.6	924.8
50°	9031.5	6671.1	2543.5	1300.2	1060.3	981.5	935.7	917.4	895.5	877.1	880.8
52.5°	9397.7	6841.4	2563.7	1291.0	1042.0	944.9	899.1	882.6	857.0	833.2	833.2
55°	9634.0	6881.7	2514.2	1281.8	1027.3	906.4	857.0	842.4	816.7	792.9	792.9
57.5°	9714.5	6757.1	2336.6	1259.9	1012.7	873.5	814.9	802.1	781.9	758.1	754.5
60°	9527.8	6336.0	2025.3	1193.9	983.4	838.7	769.1	763.6	756.3	736.1	734.3
62.5°	8808.1	5442.3	1686.5	1107.9	933.9	802.1	727.0	736.1	741.6	730.7	728.8
65°	7610.5	4418.7	1441.2	988.8	868.0	750.8	681.2	705.0	719.7	719.7	716.0
67.5°	6173.0	3393.2	1214.1	886.3	785.6	681.2	629.9	648.2	659.2	655.6	664.7
70°	4387.6	2298.2	988.8	769.1	681.2	602.5	564.0	564.0	556.7	553.0	553.0
72.5°	2127.9	1313.0	802.1	642.8	580.5	514.6	483.4	470.6	456.0	454.1	445.0
73°	1778.1	1177.5	765.4	618.9	556.7	501.7	467.0	446.8	437.7	430.3	428.5
75°	1082.2	893.6	639.1	521.9	474.3	432.2	401.0	382.7	373.6	368.1	366.2
77.5°	712.3	666.6	496.3	399.2	362.6	336.9	324.1	305.8	300.3	293.0	293.0
80°	531.0	509.1	355.3	282.0	260.0	238.1	234.4	230.7	216.1	206.9	203.3
82.5°	342.4	362.6	241.7	188.6	164.8	146.5	148.3	153.8	139.2	126.4	122.7
85°	243.6	261.9	146.5	86.1	69.6	60.4	67.8	60.4	62.3	49.4	40.3
87.5°	40.3	69.6	25.6	11.0	5.5	3.7	0.0	0.0	0.0	0.0	0.0
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)