

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: P323512

Luminaire Tested: **GAN-SA8A-740-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA8A-740-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31907 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

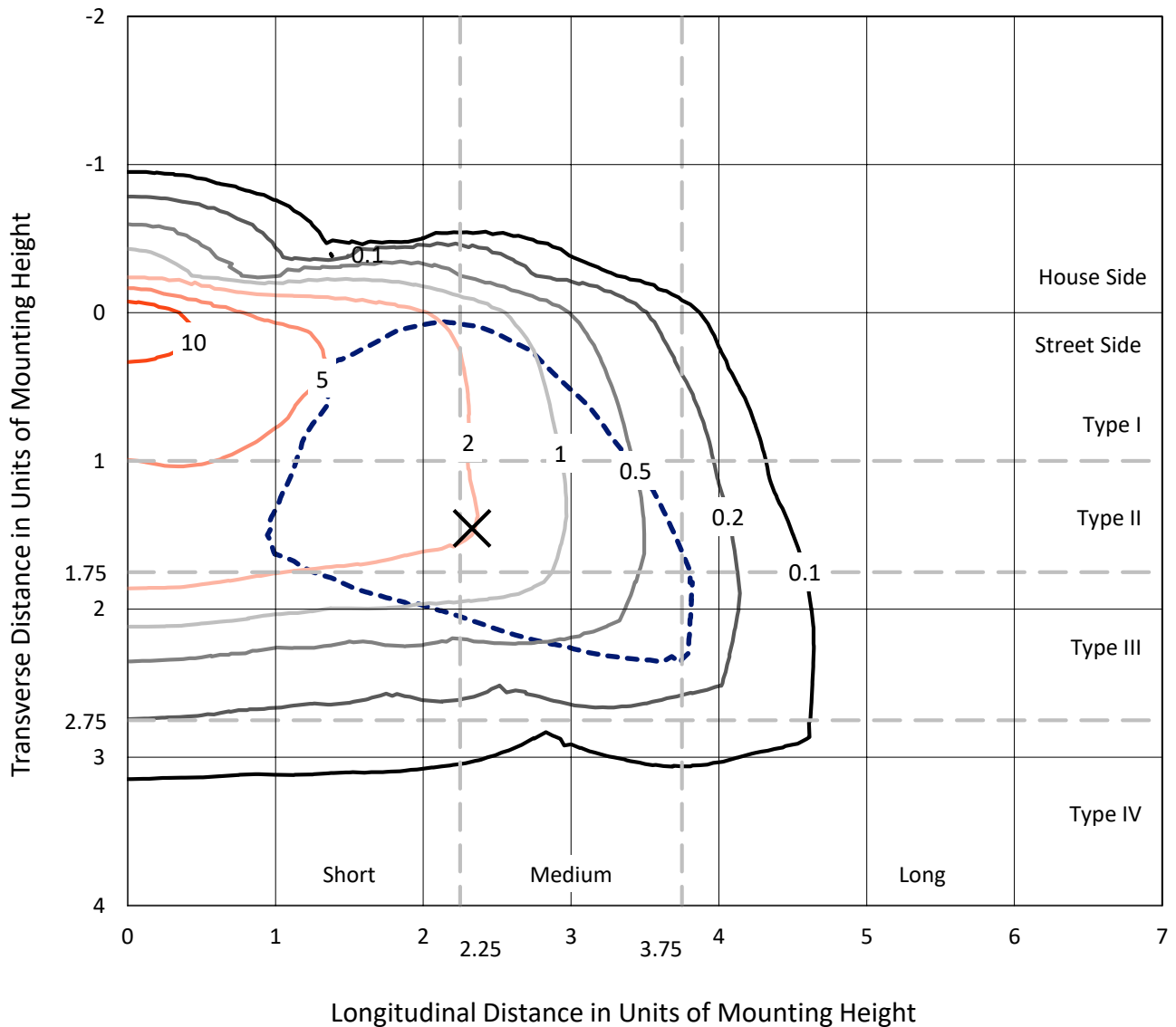
Input Watts (W): 257  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

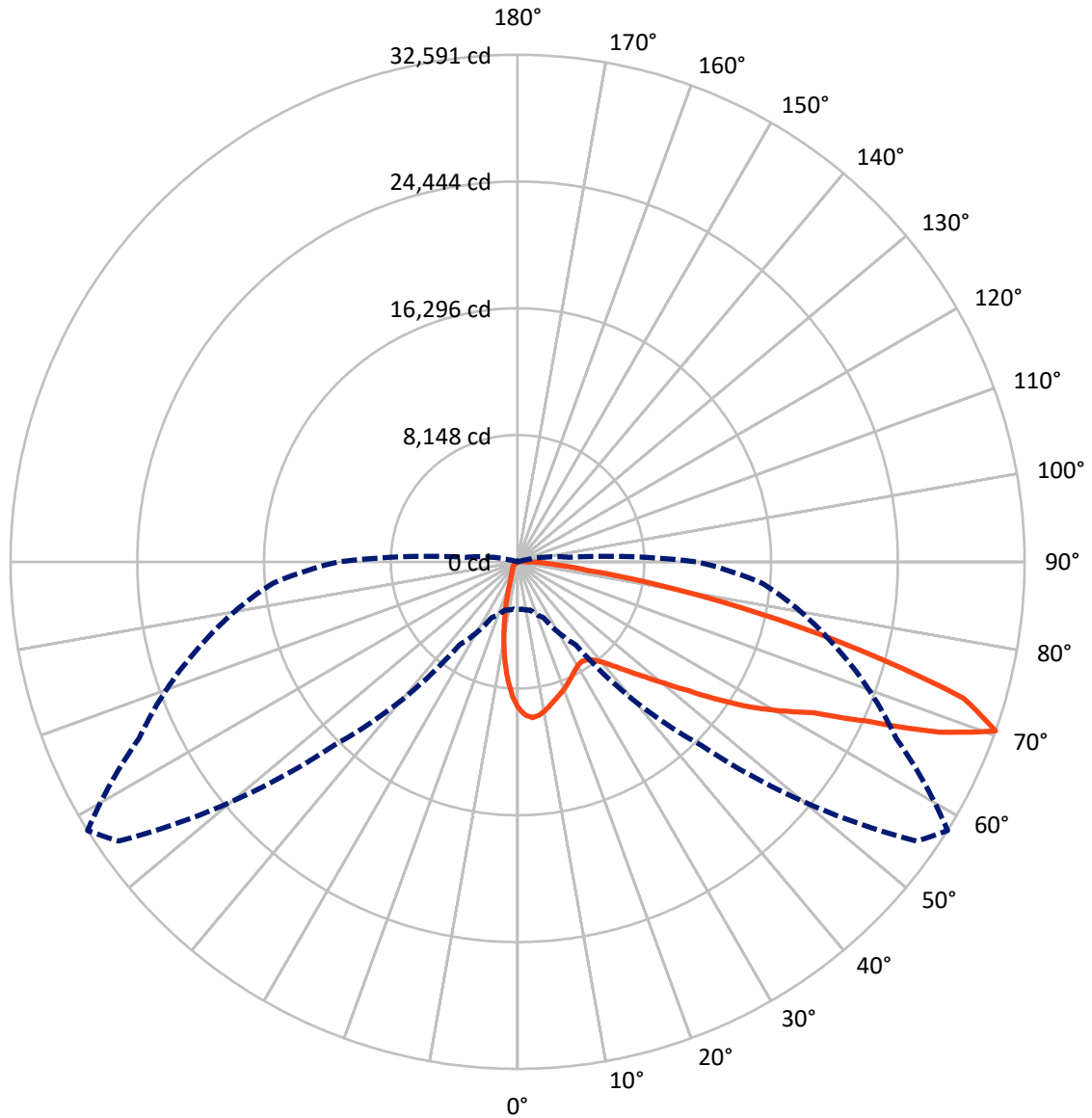
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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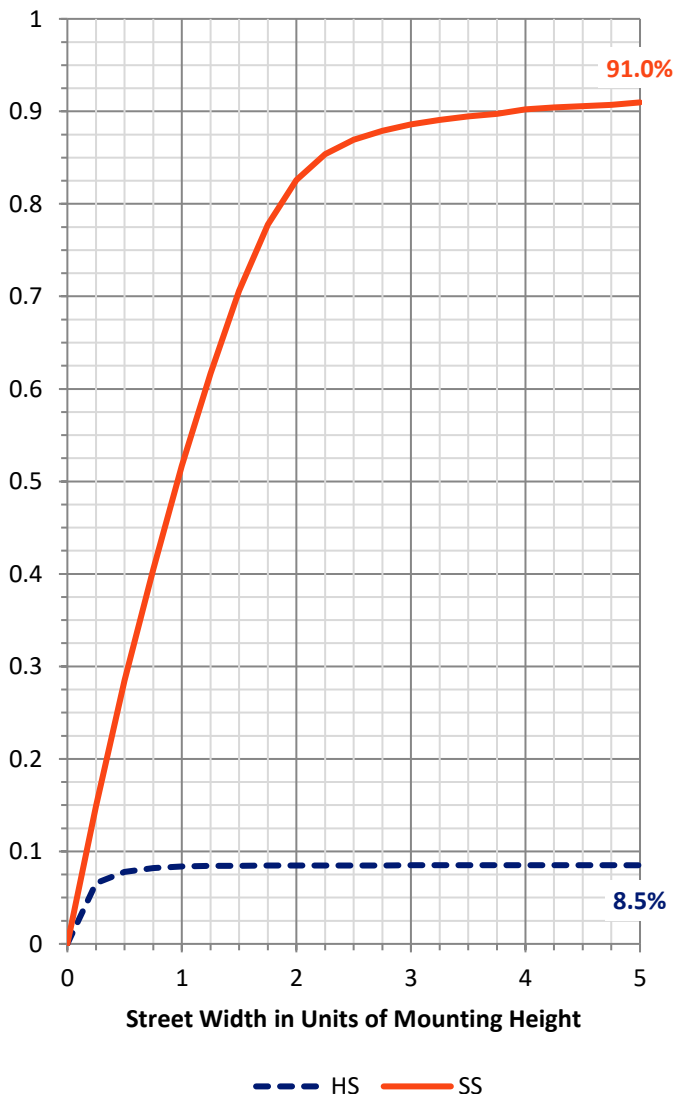
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2730.5	0.0	2730.5
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	29176.5	0.0	29176.5
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	31907.0	0.0	31907.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	770.7	2.4
10°-20°	1617.6	5.1
20°-30°	2126.6	6.7
30°-40°	2816.4	8.8
40°-50°	4209.7	13.2
50°-60°	6743.7	21.1
60°-70°	8500.4	26.6
70°-80°	4585.1	14.4
80°-90°	536.7	1.7
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°	31907.0	100.0
0°-180°	31907.0	100.0

**Coefficient of Utilization**

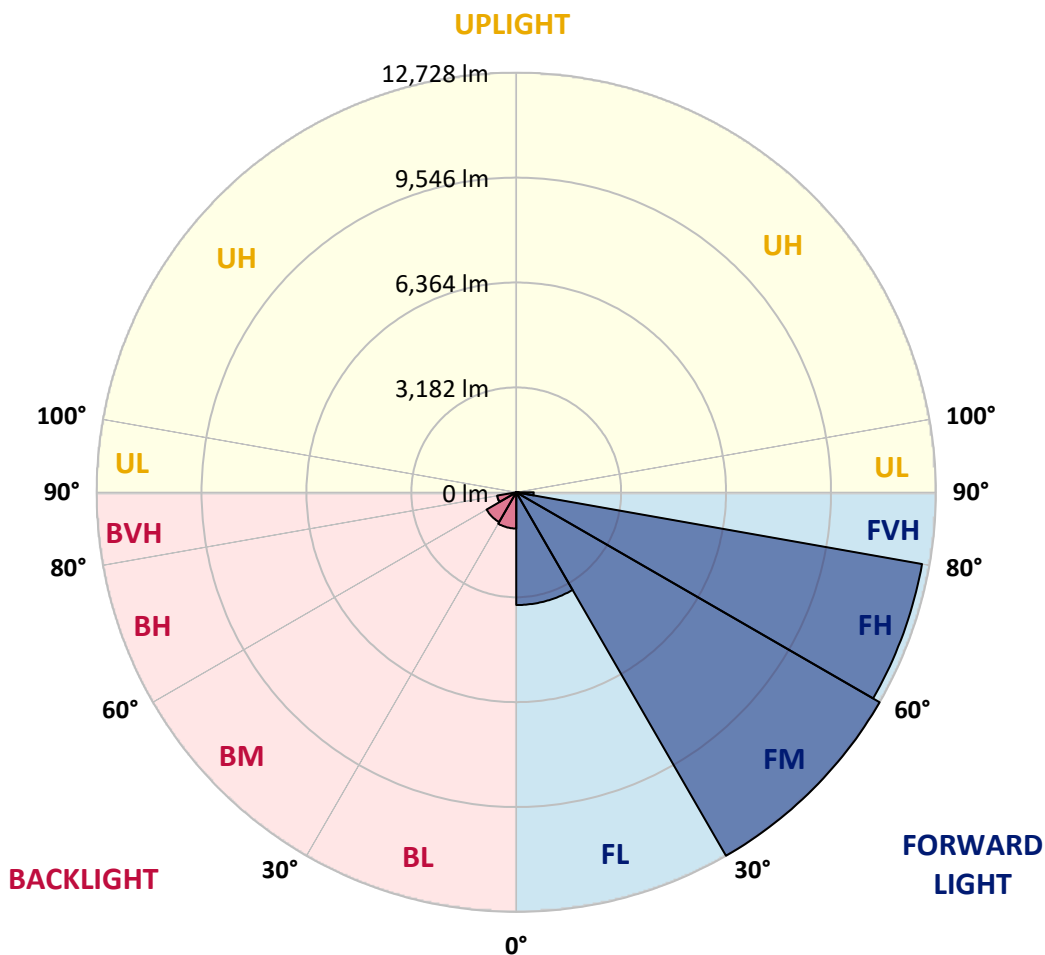


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3417.9	10.7			
FM (30°-60°)	12728.2	39.9			
FH (60°-80°)	12498.3	39.2			G5
FVH (80°-90°)	532.1	1.7			G4/750
BL (0°-30°)	1097.0	3.4	B3/2500		
BM (30°-60°)	1041.7	3.3	B2/2500		
BH (60°-80°)	587.2	1.8	B2/1000		G2/1000
BVH (80°-90°)	4.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	9425.2	9425.2	9425.2	9425.2	9425.2	9425.2	9425.2	9425.2	9425.2	9425.2	9425.2
2.5°	10206.6	10181.4	10172.1	10156.2	10095.2	10035.5	9917.4	9884.2	9809.9	9633.5	9446.4
5°	10214.6	10213.3	10241.1	10234.5	10213.3	10185.4	10100.5	10056.7	9930.7	9678.6	9336.3
7.5°	9722.4	9747.6	9809.9	9860.3	9918.7	9994.3	10005.0	9962.5	9859.0	9587.0	9133.3
10°	9061.6	9101.5	9189.0	9288.5	9441.1	9592.3	9727.7	9722.4	9686.5	9418.5	8889.2
12.5°	8399.6	8446.0	8546.9	8694.1	8910.4	9157.2	9398.6	9431.8	9491.5	9267.3	8663.6
15°	7819.8	7859.6	7959.1	8139.6	8407.6	8739.3	9093.5	9154.5	9308.4	9149.2	8475.2
17.5°	7327.6	7352.8	7425.8	7626.1	7936.6	8338.6	8799.0	8918.4	9147.9	9056.3	8312.0
20°	6984.0	6988.0	7035.7	7176.3	7486.8	7936.6	8493.8	8665.0	8978.1	8976.7	8143.5
22.5°	6814.1	6800.9	6810.2	6891.1	7119.3	7553.1	8188.7	8391.6	8825.5	8909.1	7972.4
25°	6782.3	6771.7	6745.2	6755.8	6893.8	7217.5	7880.8	8115.7	8691.5	8867.9	7823.8
27.5°	6881.8	6892.4	6847.3	6799.6	6810.2	6999.9	7607.5	7879.5	8582.7	8867.9	7719.0
30°	7082.2	7087.5	7054.3	6991.9	6908.3	6938.9	7417.8	7689.8	8528.3	8929.0	7652.6
32.5°	7303.7	7332.9	7328.9	7278.5	7159.1	7035.7	7372.7	7620.8	8524.3	9064.3	7646.0
35°	7578.4	7611.5	7667.2	7656.6	7531.9	7328.9	7526.6	7721.6	8602.6	9287.2	7717.7
37.5°	7870.2	7920.7	8040.1	8097.1	8016.2	7786.7	7871.6	8010.9	8812.2	9648.1	7899.4
40°	8152.8	8209.9	8427.5	8651.7	8590.7	8354.5	8394.3	8505.7	9185.0	10166.8	8244.4
42.5°	8430.1	8515.0	8834.8	9203.6	9276.6	9088.2	9109.4	9198.3	9738.3	10880.6	8808.2
45°	8761.8	8857.3	9331.0	9786.1	9981.1	9898.8	9989.0	10047.4	10461.4	11823.9	9568.5
47.5°	9248.7	9358.8	9940.0	10458.7	10801.0	10854.1	11035.8	11074.3	11375.5	12922.5	10559.5
50°	10198.7	10229.2	10754.6	11225.6	11719.1	12037.5	12244.5	12273.7	12482.0	14123.2	11797.4
52.5°	11394.1	11414.0	11711.2	12026.9	12588.1	13238.2	13722.5	13763.6	13807.4	15293.4	13019.3
55°	12581.5	12578.8	12775.2	12960.9	13603.1	14547.7	15598.5	15623.7	15309.3	16403.8	13953.3
57.5°	13323.1	13394.8	13693.3	13932.1	14829.0	16040.3	17498.4	17591.3	16886.8	17226.4	14876.8
60°	13087.0	13121.5	13783.5	14667.1	16356.1	18161.8	19420.9	19444.7	18072.9	18047.7	16044.3
62.5°	11149.9	11168.5	12208.7	14030.3	17129.6	20913.4	21740.0	21351.3	19436.8	19187.3	17441.4
65°	7642.0	7762.8	8631.8	10883.3	15708.6	22639.5	25330.2	24686.7	21515.8	20829.9	18704.4
67.5°	4500.3	4475.1	4905.0	6563.4	11537.4	21493.2	29871.6	29232.1	24351.0	21929.7	18334.3
70°	3074.1	3056.8	3221.3	3973.6	6513.0	16673.2	31300.5	32591.4	26854.6	21189.4	15778.9
72.5°	2194.4	2203.7	2446.5	3087.3	4089.0	9714.4	26916.9	29972.4	26070.5	18472.2	11993.7
75°	1489.9	1515.1	1862.7	2532.8	3584.9	4942.1	19101.1	22784.1	21229.2	13425.3	6893.8
77.5°	801.4	829.2	1239.2	2040.5	3241.2	3433.6	12287.0	15680.8	13335.1	6035.4	1998.1
80°	334.3	350.3	579.8	1483.3	2800.8	3015.7	7229.4	9508.8	5682.4	1190.1	445.8
82.5°	144.6	152.6	241.5	884.9	2093.6	2546.0	3827.7	4574.6	1722.1	261.4	224.2
85°	27.9	29.2	99.5	468.3	1336.0	1436.9	2481.0	2431.9	773.5	112.8	163.2
87.5°	0.0	0.0	23.9	147.3	392.7	782.8	1513.8	1495.2	262.7	54.4	61.0
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°	9425.2	9425.2	9425.2	9425.2	9425.2	9425.2	9425.2	9425.2	9425.2	9425.2	9425.2
2.5°	9350.9	9259.3	9067.0	8829.5	8647.7	8447.4	8288.2	8086.5	7998.9	8002.9	7955.1
5°	9141.3	8952.9	8527.0	7989.6	7575.7	7148.5	6781.0	6414.8	6198.5	6128.2	6061.9
7.5°	8841.4	8542.9	7863.6	7035.7	6335.2	5650.6	5054.9	4530.8	4199.1	4037.3	3977.6
10°	8503.1	8083.8	7100.7	6010.1	5009.8	4083.7	3311.5	2640.2	2372.2	2190.5	2144.0
12.5°	8205.9	7638.1	6355.1	4958.0	3770.6	2653.5	1917.1	1499.2	1317.5	1245.8	1233.9
15°	7926.0	7221.5	5637.3	4005.4	2611.0	1633.2	1219.3	1077.3	1034.9	1022.9	1022.9
17.5°	7661.9	6824.8	4935.5	3067.4	1727.4	1145.0	1009.7	977.8	964.5	963.2	964.5
20°	7386.0	6428.1	4245.6	2247.5	1206.0	969.8	932.7	915.5	911.5	911.5	911.5
22.5°	7122.0	6031.4	3574.2	1605.4	967.2	884.9	866.4	854.4	850.4	849.1	846.5
25°	6868.5	5654.6	2918.8	1134.4	849.1	810.6	794.7	778.8	766.9	760.2	756.2
27.5°	6660.2	5318.9	2308.5	910.1	766.9	733.7	713.8	689.9	660.7	647.5	642.1
30°	6494.4	5012.4	1779.2	768.2	689.9	656.7	626.2	585.1	542.6	520.1	518.8
32.5°	6364.4	4711.3	1350.6	679.3	620.9	579.8	536.0	484.3	435.2	410.0	408.6
35°	6300.7	4445.9	1032.2	614.3	559.9	508.1	453.7	396.7	348.9	325.1	322.4
37.5°	6343.2	4221.7	805.3	559.9	508.1	448.4	384.8	325.1	282.6	261.4	260.0
40°	6498.4	4078.4	654.1	513.4	464.4	391.4	322.4	266.7	230.9	213.6	212.3
42.5°	6828.7	4025.3	558.6	475.0	421.9	338.3	268.0	220.2	187.1	175.1	172.5
45°	7380.7	4103.6	493.5	437.8	378.1	287.9	221.6	180.4	151.2	142.0	140.6
47.5°	8115.7	4309.3	447.1	402.0	338.3	242.8	184.4	145.9	123.4	114.1	112.8
50°	9063.0	4635.6	408.6	366.2	301.2	205.6	152.6	115.4	95.5	88.9	88.9
52.5°	10093.9	5024.4	374.1	333.0	264.0	171.1	123.4	88.9	75.6	67.7	67.7
55°	10945.6	5364.0	337.0	307.8	218.9	142.0	94.2	67.7	55.7	51.7	51.7
57.5°	11796.1	5726.2	294.5	264.0	175.1	115.4	71.6	50.4	41.1	38.5	38.5
60°	12898.6	6169.4	253.4	214.9	138.0	87.6	53.1	35.8	30.5	29.2	29.2
62.5°	14111.2	6429.4	216.3	172.5	107.5	65.0	38.5	23.9	22.6	22.6	21.2
65°	14852.9	6061.9	181.8	138.0	83.6	49.1	25.2	17.2	19.9	18.6	15.9
67.5°	13906.9	4745.8	148.6	107.5	65.0	37.1	15.9	11.9	21.2	17.2	13.3
70°	11514.8	3322.2	115.4	75.6	51.7	31.8	10.6	8.0	22.6	17.2	10.6
72.5°	8617.2	2223.6	91.5	50.4	38.5	27.9	9.3	4.0	19.9	14.6	9.3
75°	4708.6	895.6	73.0	31.8	23.9	19.9	6.6	2.7	13.3	10.6	6.6
77.5°	1239.2	236.2	53.1	21.2	13.3	8.0	4.0	1.3	6.6	5.3	2.7
80°	315.8	91.5	34.5	14.6	9.3	4.0	0.0	0.0	1.3	0.0	0.0
82.5°	168.5	38.5	21.2	10.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	127.4	25.2	11.9	6.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	49.1	8.0	4.0	0.0	0.0	0.0	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)