

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: P319642

Luminaire Tested: **GAN-SA8B-730-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8B-730-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41712 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

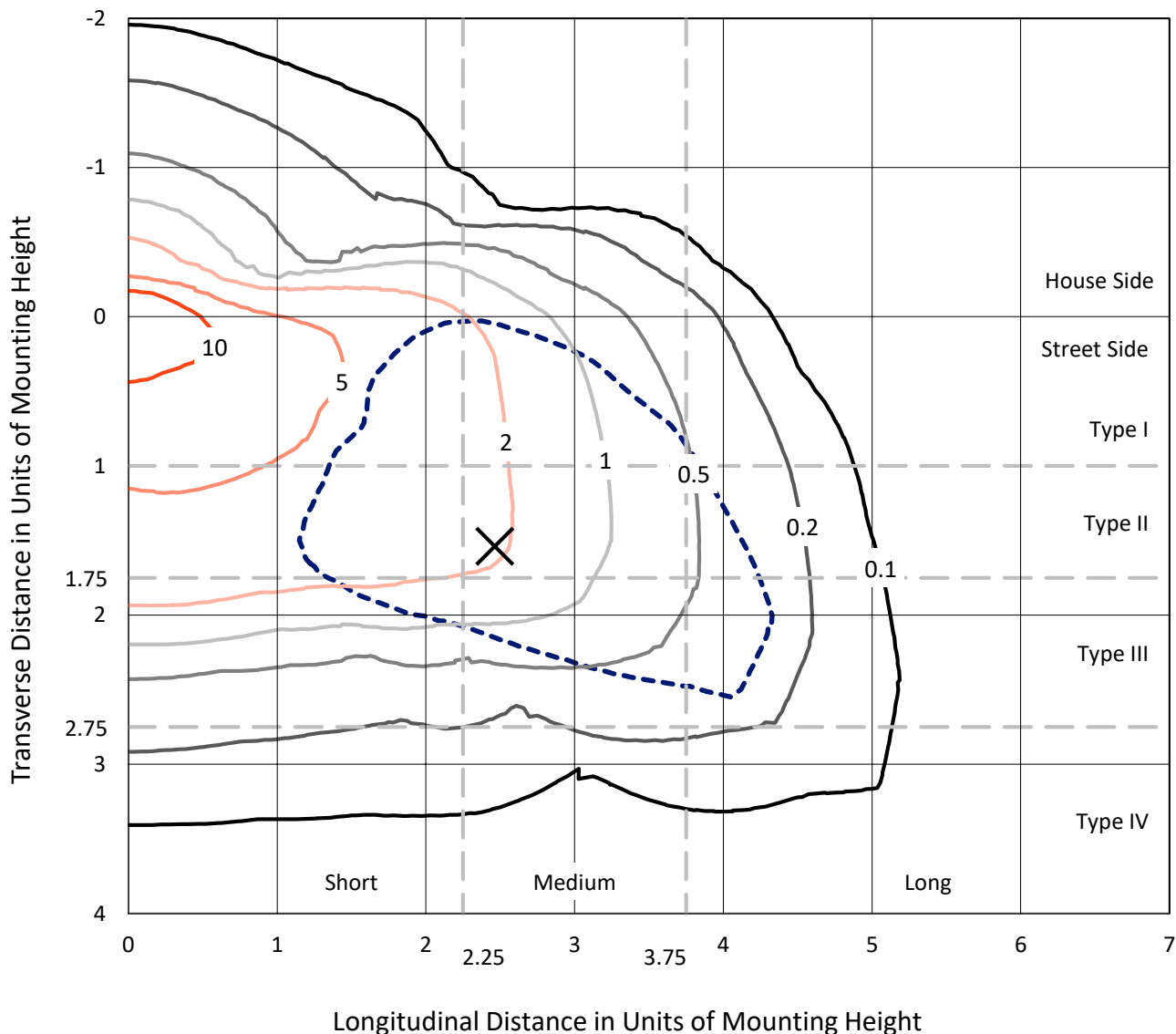
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319642
 CATALOG NUMBER: GAN-SA8B-730-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

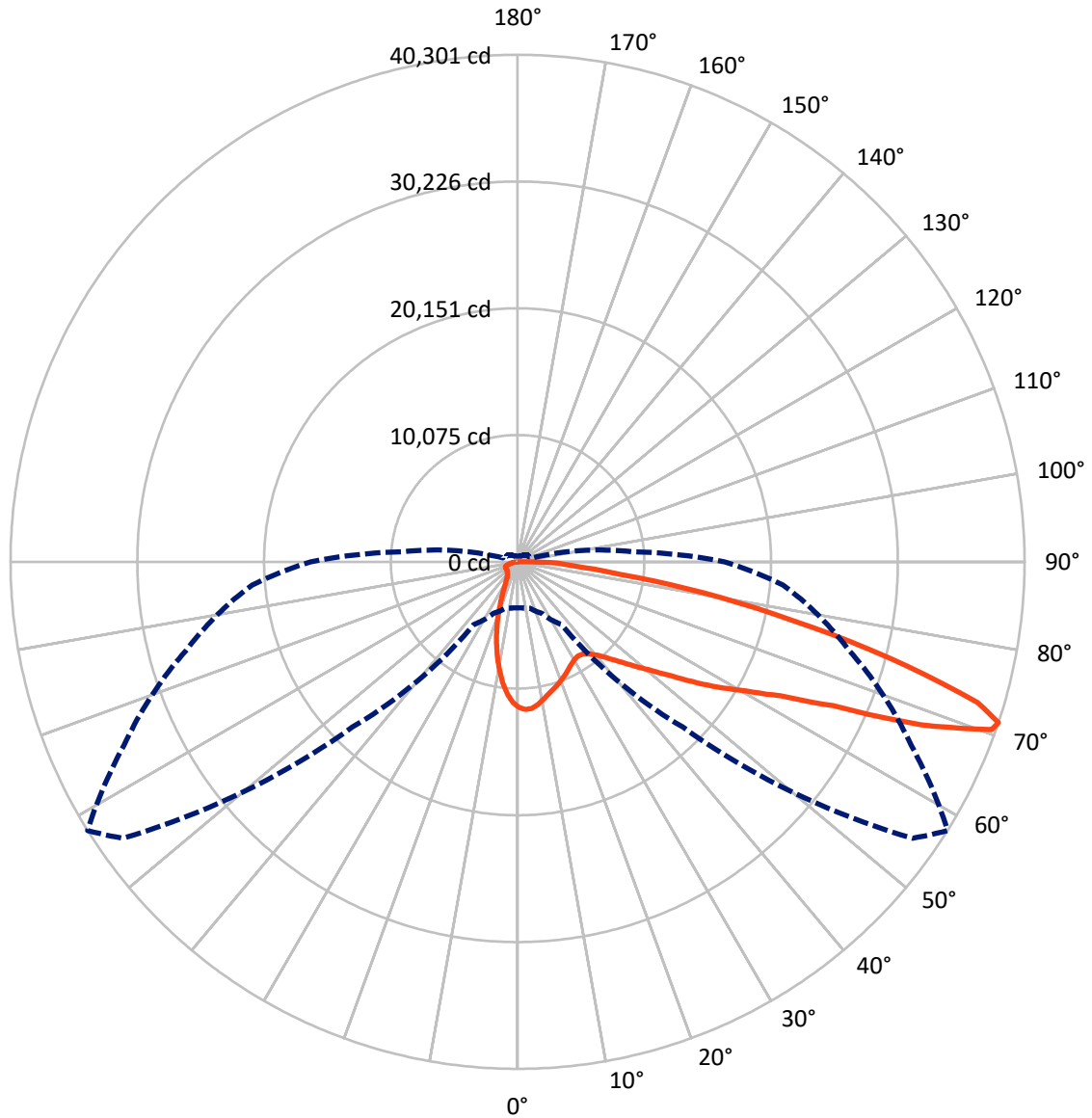
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P319642
CATALOG NUMBER: GAN-SA8B-730-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P319642
 CATALOG NUMBER: GAN-SA8B-730-U-SL3

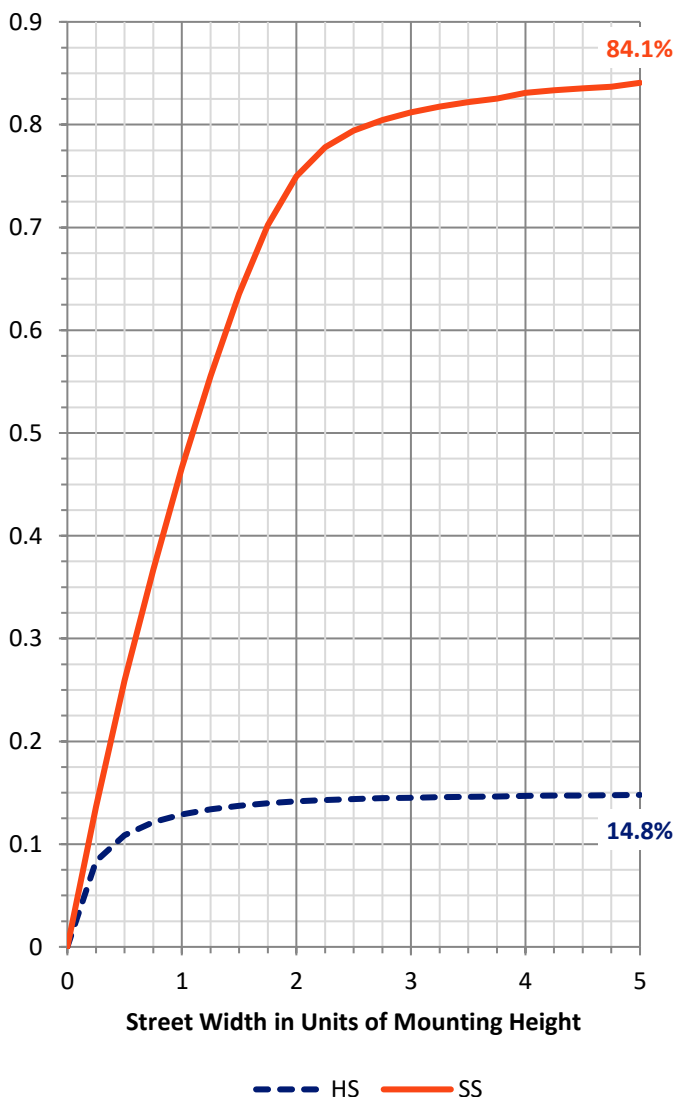
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6236.2	0.0	6236.2
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	35475.8	0.0	35475.8
	% Fixture	85.0	0.0	85.0
Total	Lumens	41712.0	0.0	41712.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	997.0	2.4
10°-20°	2217.0	5.3
20°-30°	2817.6	6.8
30°-40°	3589.0	8.6
40°-50°	5089.4	12.2
50°-60°	7876.1	18.9
60°-70°	10722.3	25.7
70°-80°	7153.0	17.1
80°-90°	1250.6	3.0
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°	41712.0	100.0
0°-180°	41712.0	100.0

Coefficient of Utilization

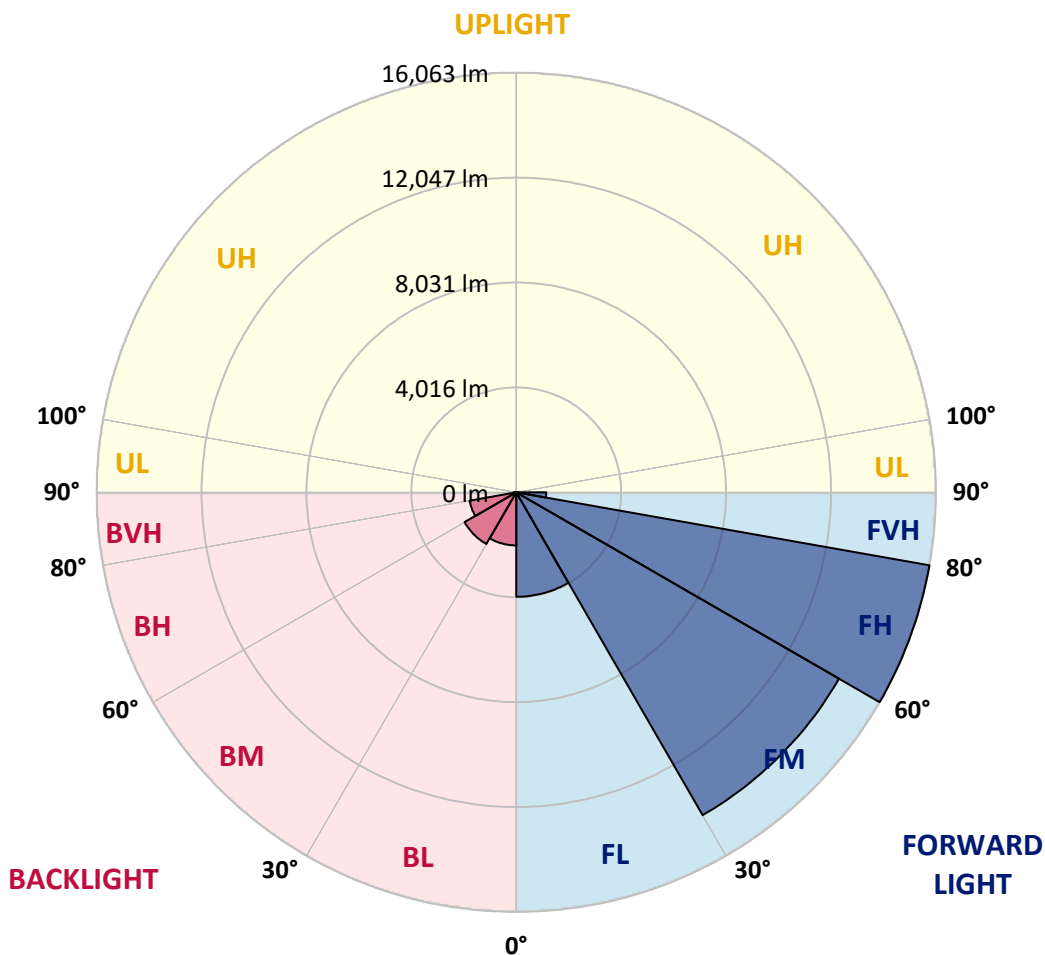


REPORT NUMBER: P319642
 CATALOG NUMBER: GAN-SA8B-730-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3998.8	9.6			
FM (30°-60°)	14267.5	34.2			
FH (60°-80°)	16062.8	38.5			G5
FVH (80°-90°)	1146.7	2.7			G5
BL (0°-30°)	2032.8	4.9	B3/2500		
BM (30°-60°)	2287.0	5.5	B2/2500		
BH (60°-80°)	1812.5	4.3	B3/2500		G3/2500
BVH (80°-90°)	103.9	0.2			G2/225
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





REPORT NUMBER: P319642

CATALOG NUMBER: GAN-SA8B-730-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	11557.0	11557.0	11557.0	11557.0	11557.0	11557.0	11557.0	11557.0	11557.0	11557.0	11557.0
2.5°	11863.6	11847.6	11853.4	11841.8	11814.2	11786.6	11745.9	11753.2	11696.5	11612.2	11507.6
5°	11639.8	11634.0	11677.6	11702.3	11722.7	11706.7	11695.0	11709.6	11626.8	11510.5	11328.9
7.5°	11170.5	11106.6	11161.8	11244.6	11323.1	11382.7	11461.1	11471.3	11419.0	11296.9	11058.6
10°	10503.6	10442.6	10523.9	10653.3	10810.2	10952.6	11110.9	11140.0	11150.2	11039.8	10750.6
12.5°	9812.0	9765.5	9846.9	10028.5	10288.6	10508.0	10760.8	10804.4	10894.5	10820.4	10465.8
15°	9193.0	9175.6	9274.4	9453.1	9752.4	10088.0	10452.7	10532.7	10685.2	10660.5	10243.5
17.5°	8658.3	8654.0	8729.5	8916.9	9248.2	9672.5	10146.2	10281.3	10508.0	10537.0	10060.4
20°	8260.2	8251.5	8303.8	8441.8	8783.3	9264.2	9814.9	10000.9	10327.8	10429.5	9871.6
22.5°	8046.6	8045.2	8046.6	8112.0	8391.0	8838.5	9492.3	9719.0	10152.0	10343.8	9662.3
25°	8010.3	8005.9	7974.0	7966.7	8125.1	8482.5	9172.7	9422.6	9984.9	10284.2	9463.3
27.5°	8104.7	8110.5	8068.4	8000.1	8032.1	8248.6	8895.2	9162.5	9851.2	10272.6	9325.2
30°	8300.9	8298.0	8261.7	8190.5	8128.0	8161.4	8697.5	8964.9	9761.1	10323.4	9230.8
32.5°	8517.4	8533.4	8526.1	8486.9	8393.9	8260.2	8638.0	8899.5	9735.0	10445.5	9190.1
35°	8777.5	8794.9	8847.2	8877.7	8768.7	8553.7	8765.8	8992.5	9810.5	10675.1	9255.5
37.5°	9024.5	9069.5	9216.3	9345.6	9252.6	9012.8	9105.8	9267.1	10044.5	11036.8	9431.3
40°	9309.3	9348.5	9588.2	9862.8	9848.3	9599.8	9653.6	9761.1	10457.1	11555.6	9749.5
42.5°	9589.7	9668.1	10015.4	10404.8	10516.7	10297.3	10383.0	10439.7	11038.3	12242.8	10304.5
45°	9963.1	10047.4	10529.8	10999.1	11260.6	11137.1	11273.7	11295.5	11769.1	13178.5	11110.9
47.5°	10528.3	10624.2	11186.5	11679.1	12078.6	12091.7	12316.9	12308.2	12681.6	14249.4	12126.6
50°	11408.8	11546.8	12007.4	12468.0	12953.3	13223.6	13524.3	13482.2	13775.7	15390.0	13296.2
52.5°	12562.5	12626.4	12967.9	13307.9	13910.8	14516.7	14948.3	14910.5	15016.6	16562.5	14624.3
55°	13758.3	13806.2	13947.2	14133.1	14943.9	15931.9	16844.4	16784.8	16516.0	17780.1	15936.3
57.5°	14833.5	14930.8	15028.2	15105.2	15984.2	17411.1	18784.1	18788.5	18143.4	19093.6	17291.9
60°	15000.6	15086.3	15730.0	16337.3	17764.1	19384.2	20860.5	20816.9	19827.4	20519.0	18803.0
62.5°	13259.9	13453.2	14528.4	16144.1	19478.7	22993.4	23509.2	23455.5	21841.2	22275.7	20562.6
65°	9502.5	9721.9	11019.4	13447.3	18647.6	26970.2	28289.5	27566.0	24587.3	24436.2	22622.9
67.5°	5482.1	5534.4	6096.7	8046.6	14198.5	27178.0	35582.1	34569.3	28851.8	26887.4	23631.3
70°	4053.8	4052.4	4186.0	4951.8	7683.4	22181.2	39050.3	39958.4	33341.6	27693.8	22205.9
71°	3665.9	3670.2	3819.9	4507.1	6085.1	18566.2	38313.7	40301.3	34524.3	27295.7	21174.3
72.5°	3135.5	3150.1	3357.8	4042.2	5118.9	12803.7	35140.4	38243.9	35085.1	26313.5	19560.0
75°	2378.5	2411.9	2699.6	3407.2	4678.6	6493.4	25790.4	30538.8	31167.9	23218.6	14534.2
77.5°	1697.1	1734.9	2060.3	2865.3	4447.6	4893.6	17271.6	22275.7	22936.8	14880.0	6555.9
80°	1072.3	1117.3	1362.9	2279.7	4178.8	4646.6	10853.8	14973.0	12507.3	4761.4	1668.0
82.5°	629.1	664.0	845.6	1489.3	3413.1	4475.2	6385.9	8299.4	4867.5	1438.5	758.5
85°	364.7	380.7	527.4	948.8	2478.8	4223.8	4691.7	4639.4	2112.6	703.2	358.9
87.5°	170.0	188.9	312.4	495.5	1376.0	3061.4	3708.0	3203.8	1313.5	329.8	168.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P319642
 CATALOG NUMBER: GAN-SA8B-730-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11557.0	11557.0	11557.0	11557.0	11557.0	11557.0	11557.0	11557.0	11557.0	11557.0	11557.0
2.5°	11456.8	11432.1	11328.9	11237.4	11141.5	11016.5	10878.5	10861.0	10776.8	10792.7	10763.7
5°	11230.1	11167.6	10919.2	10693.9	10428.0	10189.8	9931.1	9812.0	9640.5	9628.9	9585.3
7.5°	10906.1	10789.8	10404.8	9977.6	9550.4	9143.6	8741.1	8476.7	8206.4	8091.7	8081.5
10°	10541.4	10343.8	9777.1	9145.1	8529.0	7934.7	7359.3	6933.6	6550.0	6368.4	6361.2
12.5°	10195.6	9903.5	9126.2	8266.0	7423.3	6653.2	5864.2	5304.8	4823.9	4662.6	4594.3
15°	9902.1	9490.9	8492.7	7392.8	6369.9	5300.5	4402.5	3814.1	3369.5	3215.4	3186.4
17.5°	9617.3	9088.4	7843.2	6510.8	5274.3	4098.9	3199.5	2762.1	2525.3	2462.8	2461.4
20°	9334.0	8674.3	7164.7	5608.5	4215.1	3065.8	2459.9	2263.7	2183.8	2176.6	2164.9
22.5°	9012.8	8235.5	6451.2	4703.3	3289.5	2410.5	2090.8	2012.4	2002.2	2028.4	2028.4
25°	8712.1	7799.6	5727.7	3817.0	2558.7	2010.9	1867.1	1851.1	1878.7	1925.2	1929.6
27.5°	8431.6	7379.7	5021.5	3029.5	2050.2	1771.2	1711.6	1730.5	1779.9	1833.7	1835.1
30°	8200.6	6983.0	4335.7	2387.2	1732.0	1592.5	1582.3	1620.1	1673.8	1716.0	1726.1
32.5°	8021.9	6644.5	3673.1	1919.4	1524.2	1458.8	1467.5	1499.5	1532.9	1556.1	1572.1
35°	7939.1	6353.9	3061.4	1618.6	1392.0	1355.6	1367.3	1384.7	1399.2	1416.7	1429.7
37.5°	7953.6	6128.7	2515.1	1431.2	1303.3	1284.4	1284.4	1284.4	1284.4	1293.2	1294.6
40°	8088.7	5999.4	2070.5	1312.0	1243.8	1223.4	1207.4	1192.9	1181.3	1187.1	1184.2
42.5°	8434.6	5987.7	1745.0	1236.5	1195.8	1162.4	1130.4	1110.1	1095.5	1101.4	1104.3
45°	9021.6	6133.0	1525.6	1182.7	1150.8	1099.9	1059.2	1037.4	1027.3	1046.1	1049.1
47.5°	9781.5	6449.8	1392.0	1143.5	1108.6	1041.8	998.2	977.9	980.8	1008.4	1015.6
50°	10760.8	6964.1	1328.0	1118.8	1079.6	992.4	947.3	929.9	938.6	977.9	986.6
52.5°	11836.0	7705.2	1335.3	1111.5	1060.7	956.1	908.1	887.8	902.3	938.6	945.9
55°	13076.8	8595.8	1455.9	1121.7	1033.1	932.8	876.1	841.3	852.9	886.3	892.1
57.5°	14455.7	9615.8	1698.5	1118.8	998.2	911.0	842.7	790.4	799.1	819.5	825.3
60°	15891.3	10848.0	2074.9	1127.5	982.2	884.9	797.7	732.3	729.4	746.8	749.7
62.5°	17614.5	12273.3	2504.9	1133.3	992.4	851.4	738.1	674.2	665.5	669.8	672.7
65°	19390.0	13304.9	2343.7	1110.1	1024.4	823.8	685.8	617.5	601.5	598.6	600.1
67.5°	19445.2	12199.2	1643.3	1063.6	1037.4	809.3	646.6	569.6	543.4	533.2	531.8
70°	17438.7	9910.8	1280.1	1014.2	985.1	786.1	610.3	530.3	491.1	475.1	473.7
71°	16459.4	9123.3	1213.2	989.5	945.9	762.8	594.3	512.9	472.2	454.8	451.9
72.5°	14923.6	8178.8	1131.9	950.2	870.3	703.2	563.8	488.2	446.1	425.7	421.4
75°	10709.9	5348.4	972.0	847.1	720.7	560.9	494.0	438.8	402.5	377.8	374.9
77.5°	4126.5	2128.6	735.2	704.7	552.1	438.8	406.8	379.2	353.1	328.4	326.9
80°	1275.7	951.7	536.2	530.3	399.6	326.9	316.7	309.5	299.3	273.2	267.3
82.5°	681.4	546.3	369.1	342.9	261.5	217.9	229.6	232.5	233.9	206.3	203.4
85°	325.5	289.1	207.8	194.7	152.6	122.1	140.9	152.6	154.0	126.4	117.7
87.5°	155.5	151.1	97.3	74.1	56.7	40.7	49.4	61.0	66.8	47.9	42.1
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)