

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: McGRAW-EDISON

Report Number: P534606

Luminaire Tested: **GALN-SA6A-AMB-U-SL3**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6A-AMB-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) NARROW BAND AMBER, 500mA 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: 5980 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 118.2
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



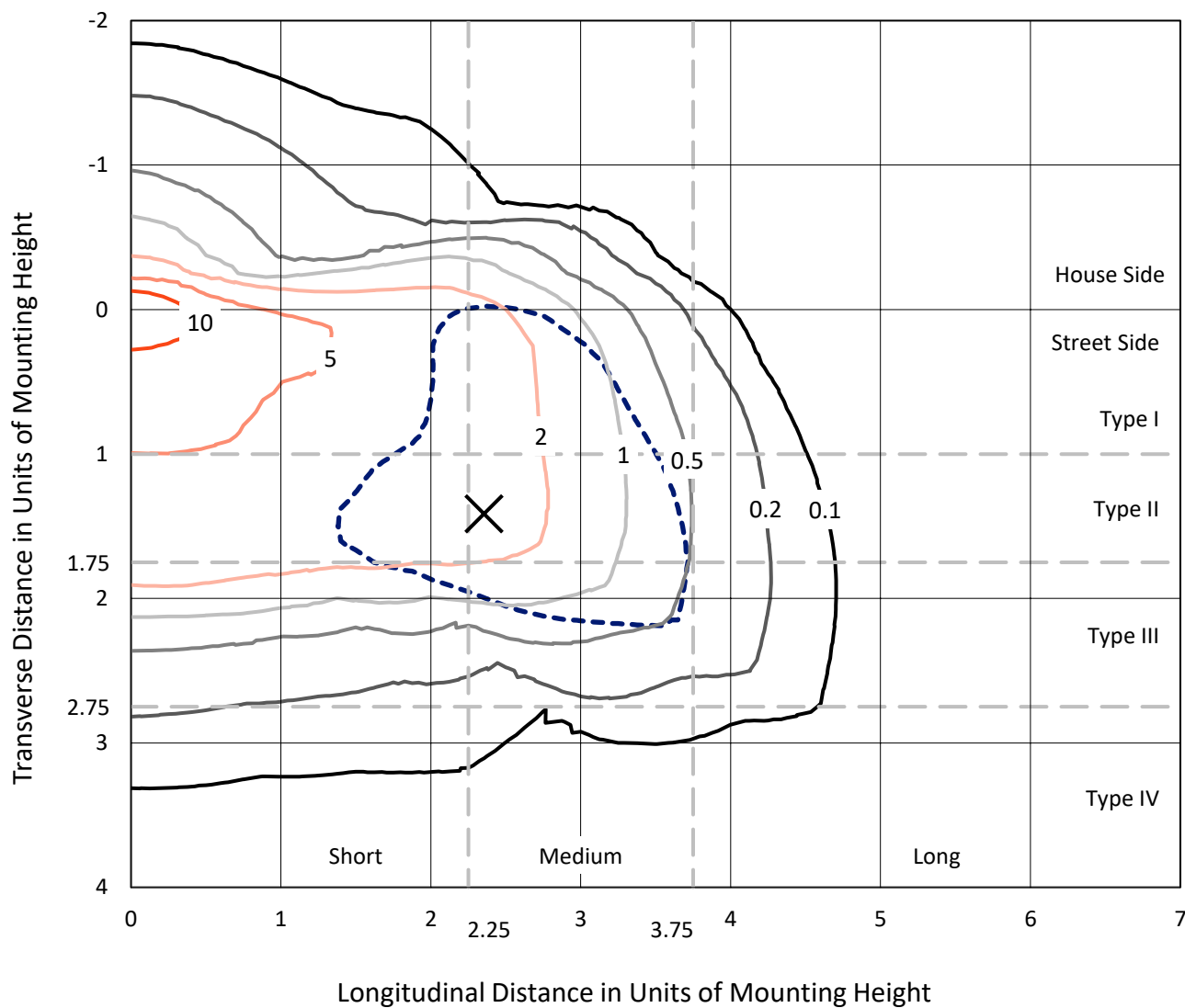
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

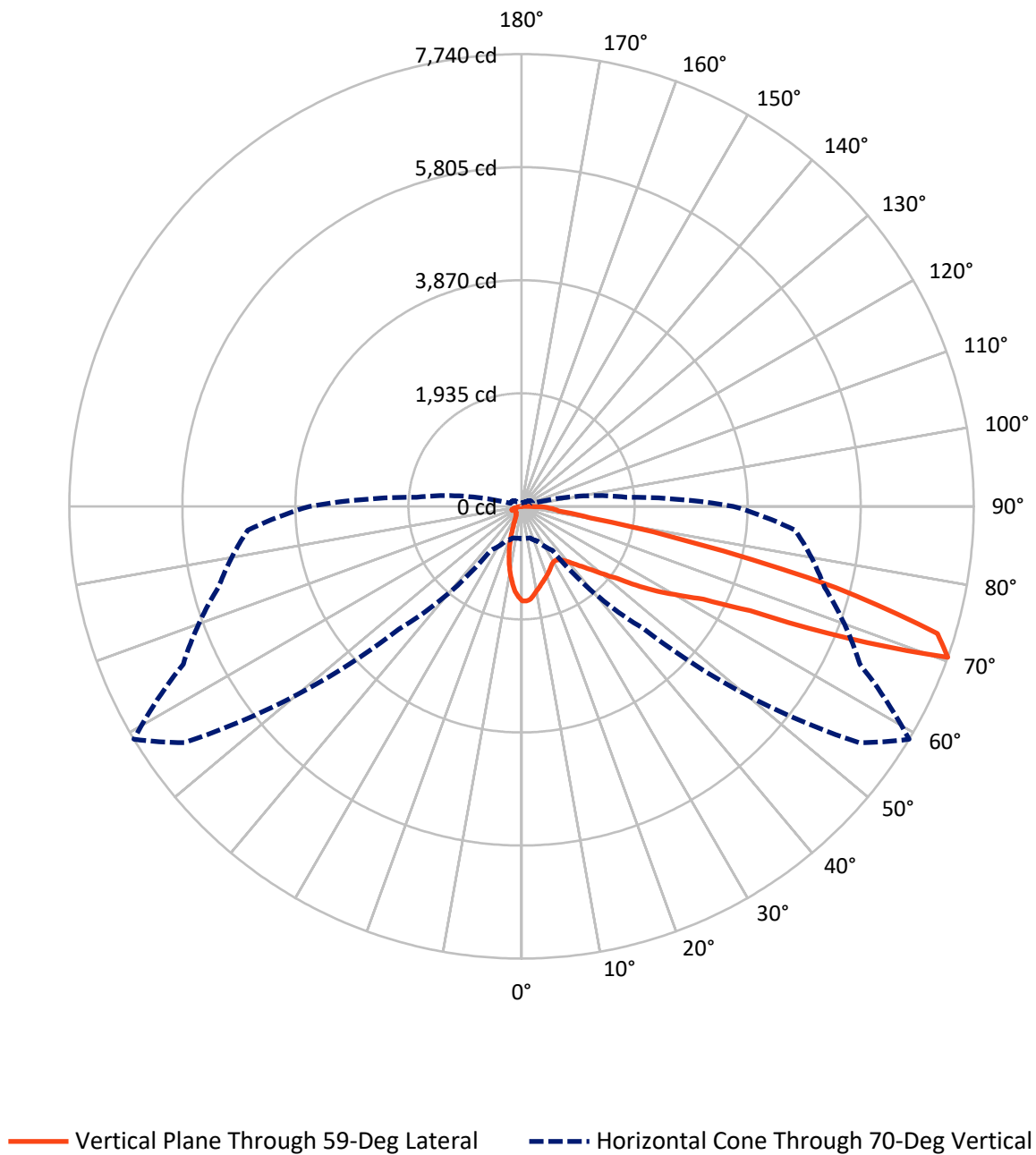


Based on 10 foot mounting height. Maximum calculated value = 16.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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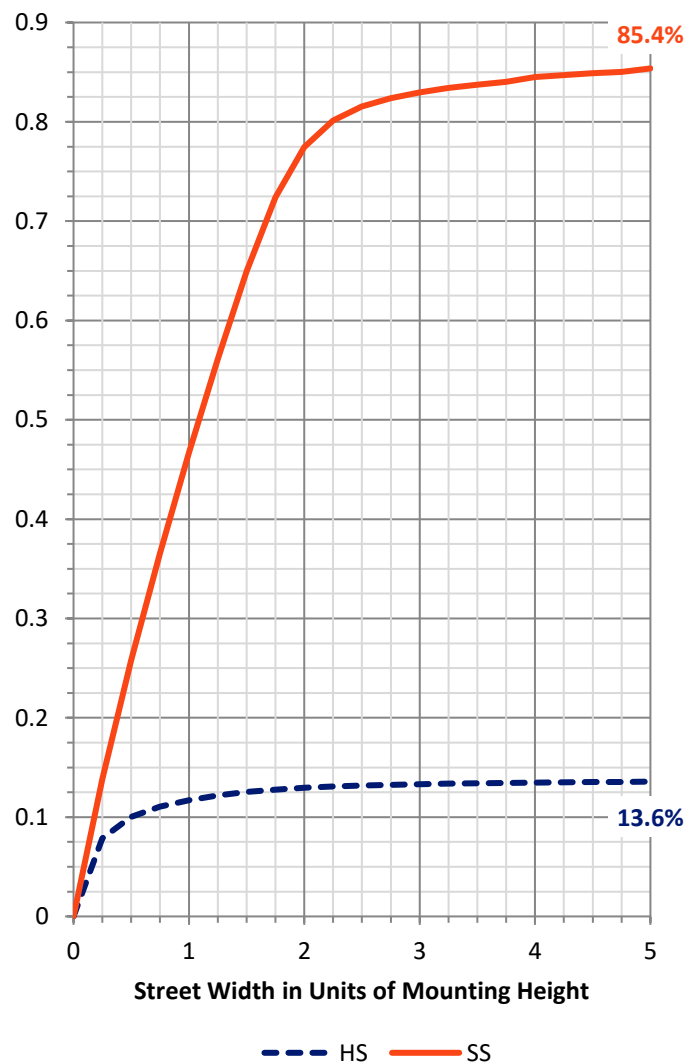
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	819.5	0.0	819.5
	% Fixture	13.7	0.0	13.7
Street Side	Lumens	5160.5	0.0	5160.5
	% Fixture	86.3	0.0	86.3
Total	Lumens	5980.0	0.0	5980.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.9	2.2
10°-20°	277.9	4.6
20°-30°	351.1	5.9
30°-40°	459.5	7.7
40°-50°	682.6	11.4
50°-60°	1118.2	18.7
60°-70°	1739.8	29.1
70°-80°	1077.6	18.0
80°-90°	140.5	2.3
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°	5980.0	100.0
0°-180°	5980.0	100.0

Coefficient of Utilization



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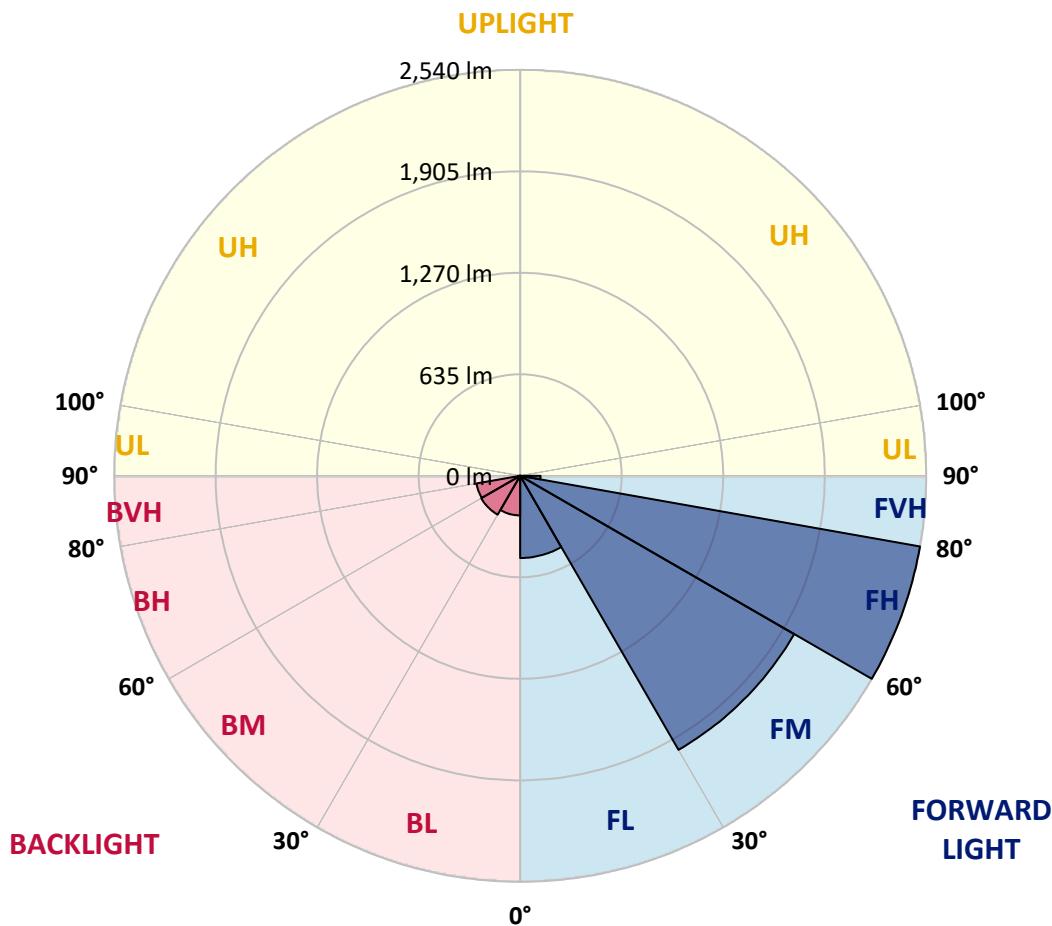
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	514.2	8.6			
FM	(30°-60°)	1979.3	33.1			
FH	(60°-80°)	2539.9	42.5			G2/5000
FVH	(80°-90°)	127.0	2.1			G2/225
BL	(0°-30°)	247.7	4.1	B1/500		
BM	(30°-60°)	280.9	4.7	B1/1000		
BH	(60°-80°)	277.5	4.6	B1/500		G1/500
BVH	(80°-90°)	13.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1620.1	1620.1	1620.1	1620.1	1620.1	1620.1	1620.1	1620.1	1620.1	1620.1	1620.1
2.5°	1625.4	1625.4	1625.4	1612.2	1636.0	1628.1	1630.7	1622.8	1628.1	1620.1	1612.2
5°	1545.9	1545.9	1540.6	1543.2	1564.4	1580.3	1591.0	1596.3	1585.6	1591.0	1575.0
7.5°	1413.3	1423.9	1426.6	1439.8	1466.3	1495.5	1514.1	1527.3	1532.6	1535.3	1516.7
10°	1288.7	1291.3	1309.9	1325.8	1370.9	1405.3	1447.8	1458.4	1474.3	1495.5	1476.9
12.5°	1198.5	1211.8	1217.1	1238.3	1286.0	1325.8	1376.2	1402.7	1426.6	1466.3	1458.4
15°	1116.3	1113.7	1124.3	1158.7	1209.1	1267.5	1325.8	1347.0	1384.1	1437.2	1426.6
17.5°	1052.7	1052.7	1065.9	1095.1	1134.9	1195.9	1275.4	1299.3	1349.7	1418.6	1397.4
20°	1020.9	1023.5	1028.8	1036.8	1068.6	1140.2	1214.4	1254.2	1309.9	1402.7	1376.2
22.5°	1015.6	1012.9	1010.3	1012.9	1031.5	1071.2	1156.1	1206.5	1280.7	1394.7	1349.7
25°	1023.5	1020.9	1018.2	1015.6	1015.6	1042.1	1116.3	1158.7	1246.2	1392.1	1323.1
27.5°	1044.7	1050.0	1036.8	1023.5	1010.3	1020.9	1071.2	1116.3	1211.8	1402.7	1309.9
30°	1081.8	1084.5	1079.2	1060.6	1034.1	1020.9	1052.7	1092.5	1182.6	1413.3	1299.3
32.5°	1124.3	1124.3	1124.3	1108.4	1076.5	1039.4	1055.3	1092.5	1180.0	1439.8	1291.3
35°	1169.4	1180.0	1180.0	1164.0	1137.5	1076.5	1087.2	1121.6	1201.2	1474.3	1312.5
37.5°	1233.0	1235.6	1233.0	1235.6	1206.5	1142.8	1145.5	1174.7	1238.3	1524.7	1344.4
40°	1294.0	1286.0	1304.6	1320.5	1301.9	1230.3	1222.4	1254.2	1304.6	1606.9	1402.7
42.5°	1349.7	1352.3	1365.6	1394.7	1410.6	1344.4	1331.1	1355.0	1389.4	1705.0	1500.8
45°	1402.7	1410.6	1461.0	1492.8	1524.7	1458.4	1450.4	1476.9	1514.1	1821.6	1646.6
47.5°	1450.4	1455.7	1519.4	1596.3	1651.9	1622.8	1612.2	1630.7	1649.3	1991.3	1829.6
50°	1495.5	1514.1	1596.3	1694.4	1789.8	1821.6	1800.4	1821.6	1819.0	2163.7	2031.1
52.5°	1620.1	1638.7	1728.8	1826.9	1938.3	2025.8	2060.3	2047.0	2028.5	2354.6	2261.8
55°	1890.6	1882.6	1930.4	1991.3	2118.6	2232.6	2402.3	2381.1	2298.9	2553.5	2489.8
57.5°	2155.7	2198.2	2198.2	2182.3	2309.5	2505.8	2731.1	2736.4	2580.0	2768.3	2760.3
60°	2261.8	2309.5	2418.2	2561.4	2712.6	2818.6	3083.8	3083.8	2866.4	3012.2	3038.7
62.5°	2017.9	2086.8	2256.5	2548.2	3089.1	3648.6	3619.4	3497.4	3250.8	3362.2	3478.9
65°	1246.2	1264.8	1476.9	2055.0	2945.9	4385.7	4653.5	4300.9	3836.8	3953.5	4208.1
67.5°	750.4	761.0	808.7	1055.3	1872.0	4308.8	6252.4	6021.8	4913.4	4772.9	4802.0
70°	554.2	546.2	559.5	660.2	917.4	2972.4	7050.6	7740.0	6387.7	5372.1	4703.9
72.5°	440.2	445.5	450.8	548.9	684.1	1235.6	6143.7	7443.0	6857.0	5059.2	3563.7
75°	344.7	347.4	373.9	464.0	654.9	665.5	3889.9	5560.4	5099.0	3417.9	1564.4
77.5°	257.2	265.2	291.7	387.1	628.4	639.0	1694.4	3046.7	2590.6	1405.3	419.0
80°	169.7	172.4	198.9	318.2	594.0	641.7	766.3	1193.2	798.1	299.6	153.8
82.5°	95.5	100.8	124.6	198.9	490.5	623.1	644.3	639.0	363.3	148.5	82.2
85°	53.0	53.0	74.2	116.7	291.7	604.6	609.9	538.3	251.9	82.2	45.1
87.5°	23.9	23.9	34.5	53.0	137.9	400.4	450.8	384.5	159.1	34.5	15.9
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°	1620.1	1620.1	1620.1	1620.1	1620.1	1620.1	1620.1	1620.1	1620.1	1620.1	1620.1
2.5°	1598.9	1588.3	1575.0	1545.9	1543.2	1522.0	1516.7	1492.8	1479.6	1498.1	1482.2
5°	1569.7	1556.5	1506.1	1487.5	1423.9	1384.1	1355.0	1317.8	1291.3	1291.3	1294.0
7.5°	1514.1	1490.2	1421.3	1355.0	1275.4	1209.1	1142.8	1068.6	1034.1	1028.8	1005.0
10°	1463.7	1426.6	1331.1	1227.7	1119.0	1002.3	901.5	803.4	726.5	670.9	673.5
12.5°	1421.3	1376.2	1246.2	1105.7	944.0	795.5	644.3	527.7	450.8	432.2	432.2
15°	1389.4	1315.2	1150.8	967.8	776.9	583.3	437.5	355.3	318.2	299.6	299.6
17.5°	1339.1	1246.2	1055.3	835.3	594.0	411.0	323.5	286.4	270.5	265.2	262.5
20°	1288.7	1182.6	930.7	670.9	429.6	299.6	262.5	246.6	241.3	241.3	243.9
22.5°	1243.6	1103.1	811.4	503.8	307.6	246.6	225.4	220.1	222.7	228.0	225.4
25°	1201.2	1036.8	694.7	368.6	238.6	206.8	201.5	201.5	206.8	212.1	214.8
27.5°	1161.4	986.4	567.4	273.1	201.5	183.0	183.0	188.3	196.2	198.9	201.5
30°	1132.2	928.1	448.1	217.4	175.0	169.7	169.7	175.0	177.7	183.0	183.0
32.5°	1108.4	880.3	342.1	185.6	161.7	159.1	159.1	161.7	164.4	167.1	169.7
35°	1100.4	829.9	267.8	164.4	153.8	151.1	151.1	151.1	153.8	156.4	156.4
37.5°	1108.4	792.8	217.4	153.8	145.8	143.2	143.2	143.2	143.2	143.2	143.2
40°	1145.5	766.3	188.3	148.5	140.5	137.9	135.2	135.2	135.2	137.9	137.9
42.5°	1222.4	742.4	175.0	143.2	137.9	132.6	129.9	127.3	127.3	132.6	132.6
45°	1325.8	745.1	167.1	140.5	135.2	127.3	122.0	122.0	124.6	129.9	132.6
47.5°	1455.7	771.6	161.7	137.9	129.9	122.0	119.3	119.3	122.0	129.9	129.9
50°	1614.8	822.0	161.7	137.9	129.9	119.3	116.7	116.7	119.3	127.3	129.9
52.5°	1795.1	909.5	164.4	137.9	129.9	119.3	114.0	114.0	116.7	124.6	124.6
55°	2031.1	1031.5	169.7	140.5	127.3	119.3	114.0	108.7	111.4	116.7	116.7
57.5°	2237.9	1211.8	177.7	140.5	127.3	119.3	111.4	103.4	103.4	108.7	108.7
60°	2566.7	1461.0	209.5	148.5	127.3	114.0	103.4	95.5	95.5	98.1	98.1
62.5°	3004.2	1885.3	241.3	161.7	135.2	111.4	98.1	90.2	87.5	87.5	87.5
65°	3738.7	2352.0	246.6	177.7	148.5	111.4	90.2	82.2	79.5	79.5	79.5
67.5°	4025.1	2359.9	225.4	185.6	164.4	111.4	87.5	76.9	71.6	71.6	71.6
70°	3627.4	1800.4	198.9	185.6	172.4	108.7	84.9	74.2	66.3	63.6	63.6
72.5°	2471.3	959.9	177.7	175.0	153.8	95.5	82.2	68.9	61.0	58.3	55.7
75°	989.0	334.1	153.8	159.1	119.3	76.9	68.9	61.0	55.7	50.4	50.4
77.5°	249.2	164.4	116.7	124.6	84.9	61.0	58.3	55.7	47.7	45.1	45.1
80°	137.9	111.4	87.5	84.9	55.7	42.4	42.4	42.4	39.8	37.1	37.1
82.5°	76.9	68.9	58.3	53.0	37.1	29.2	29.2	29.2	29.2	26.5	23.9
85°	42.4	39.8	34.5	26.5	21.2	15.9	15.9	15.9	15.9	13.3	13.3
87.5°	15.9	15.9	13.3	8.0	5.3	2.7	2.7	2.7	2.7	2.7	2.7
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)