

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: P534604

Luminaire Tested: **GALN-SA6A-AMB-U-SL2**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-4)
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-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) NARROW BAND AMBER, 500mA 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: 6041 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - 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

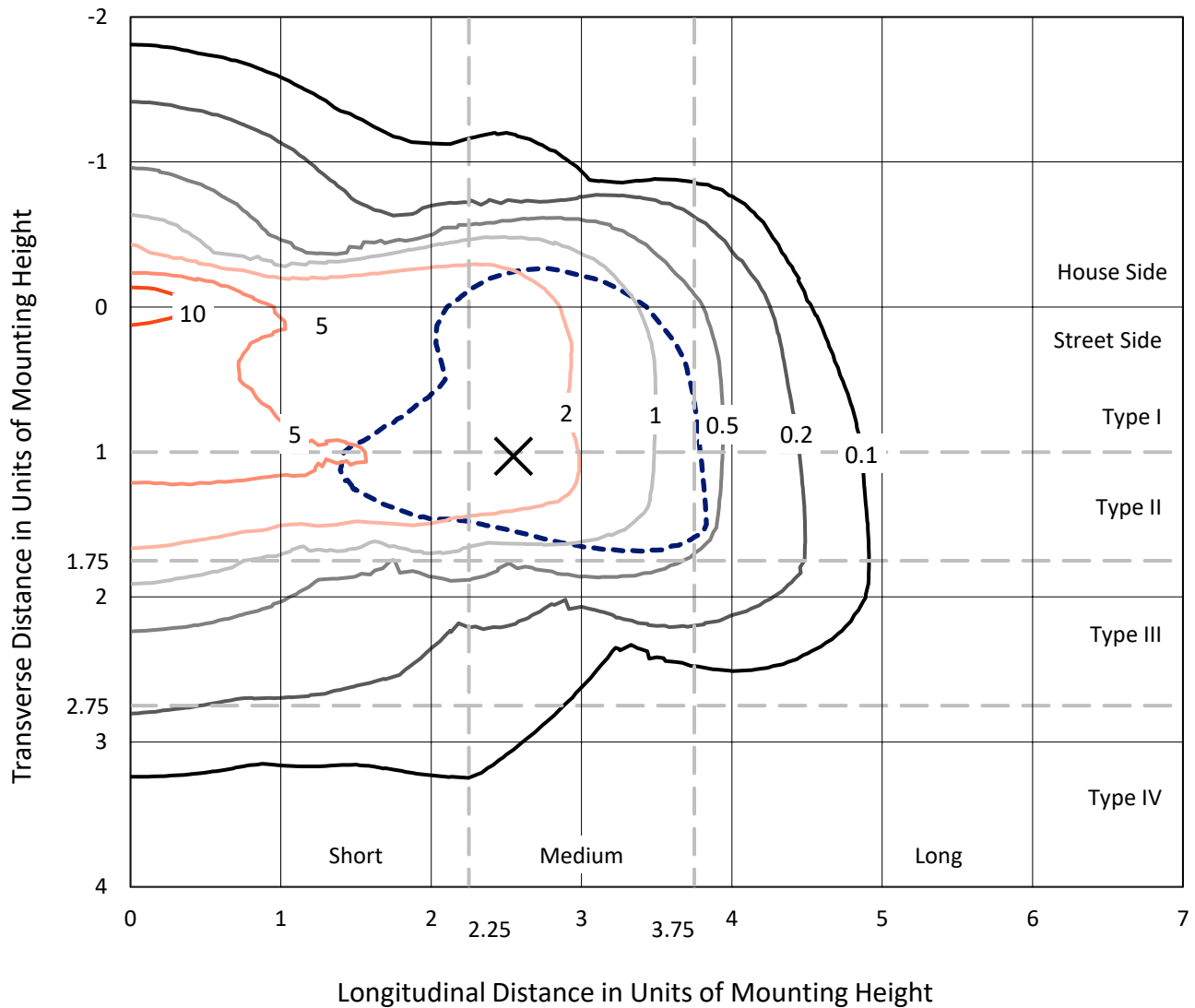


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

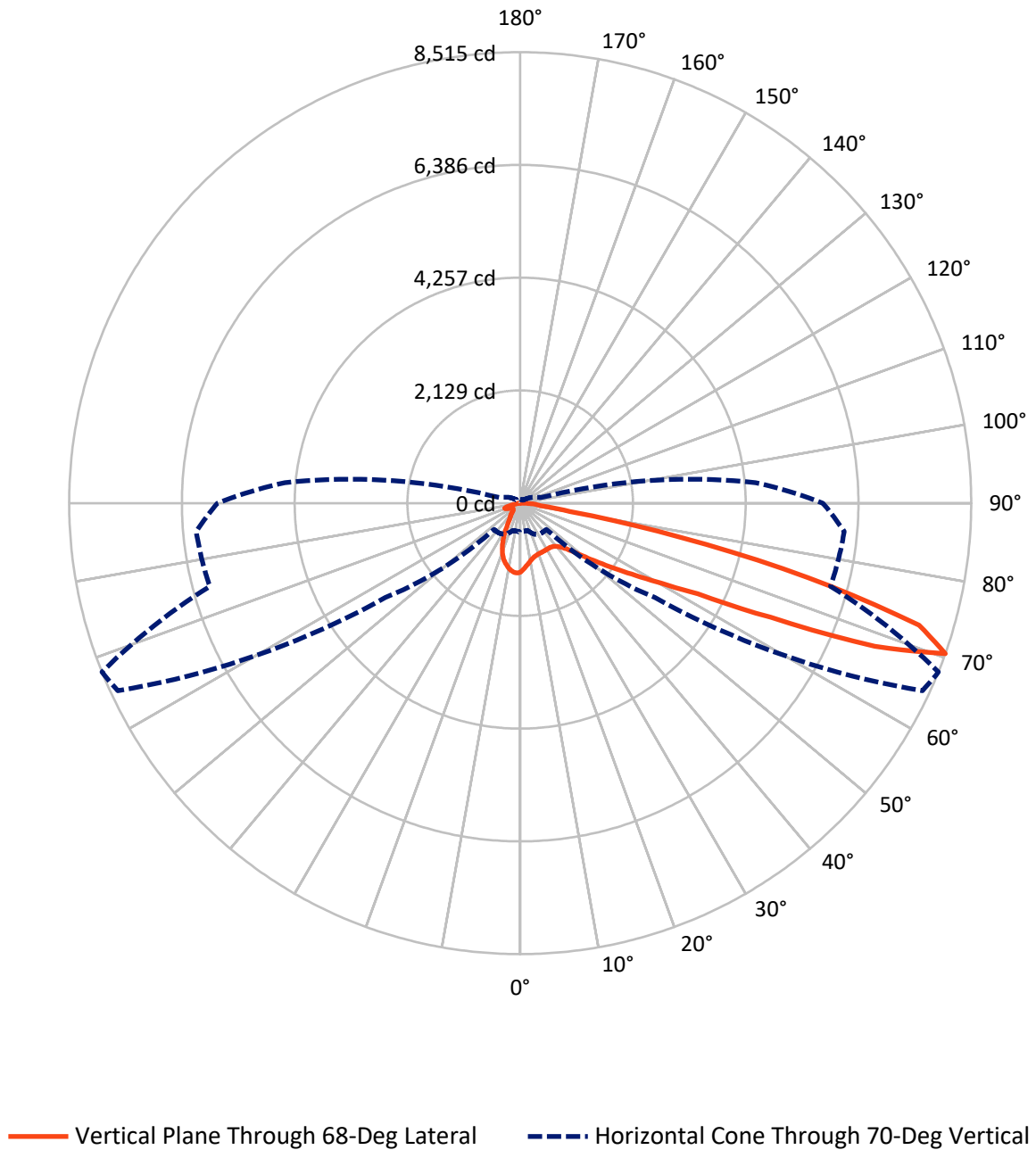


Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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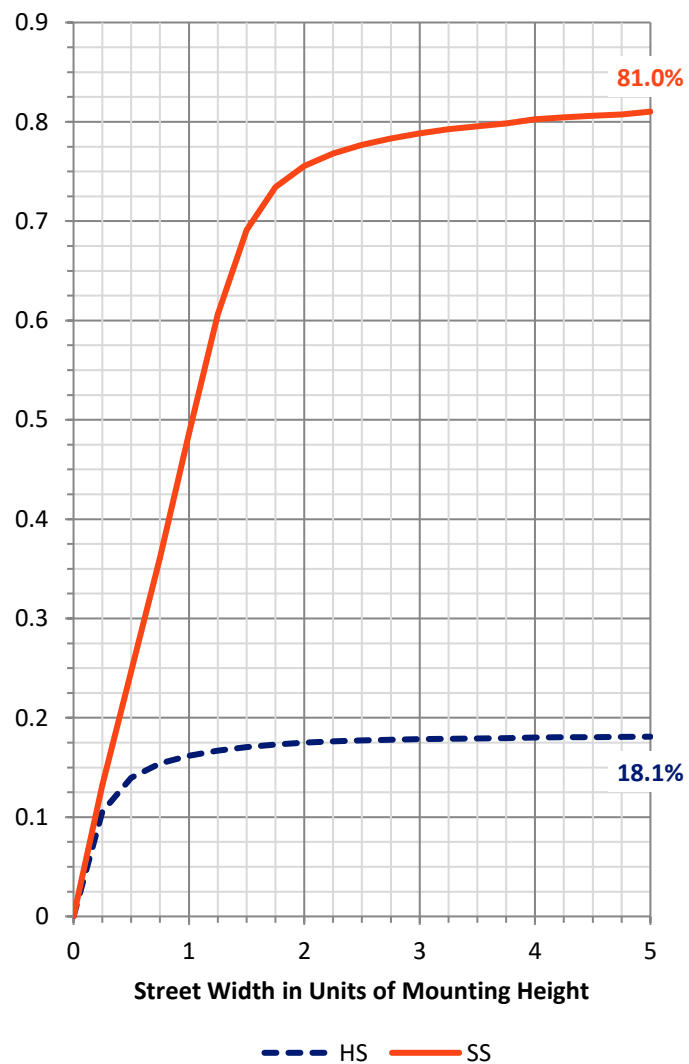
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1104.9	0.0	1104.9
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	4936.1	0.0	4936.1
	% Fixture	81.7	0.0	81.7
Total	Lumens	6041.0	0.0	6041.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	1.8
10°-20°	253.7	4.2
20°-30°	341.8	5.7
30°-40°	469.8	7.8
40°-50°	714.2	11.8
50°-60°	1187.4	19.7
60°-70°	1669.3	27.6
70°-80°	1155.0	19.1
80°-90°	139.0	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°	6041.0	100.0
0°-180°	6041.0	100.0

Coefficient of Utilization



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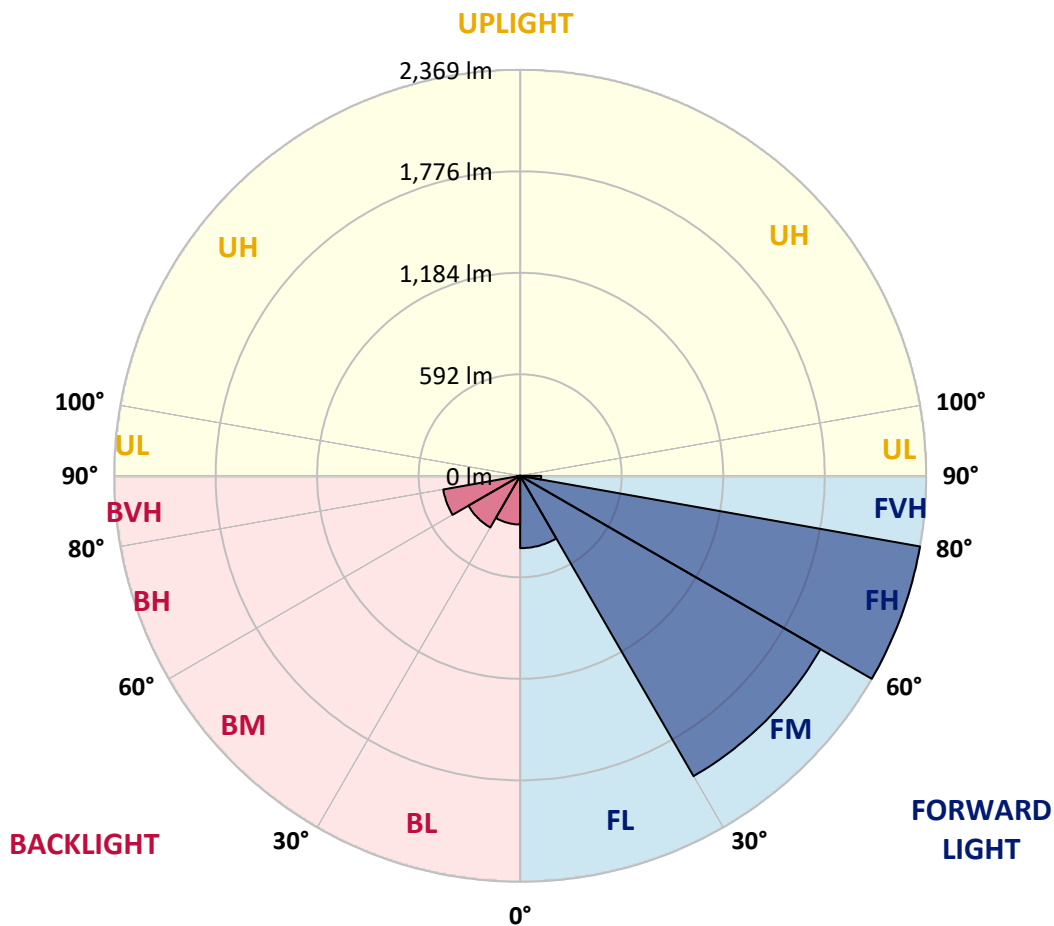
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	422.1	7.0			
FM	(30°-60°)	2023.2	33.5			
FH	(60°-80°)	2368.6	39.2			G2/5000
FVH	(80°-90°)	122.2	2.0			G2/225
BL	(0°-30°)	284.1	4.7	B1/500		
BM	(30°-60°)	348.3	5.8	B1/1000		
BH	(60°-80°)	455.8	7.5	B1/500		G1/500
BVH	(80°-90°)	16.8	0.3			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3
2.5°	1180.0	1177.3	1182.6	1182.6	1190.6	1206.5	1217.1	1235.7	1248.9	1262.2	1278.1
5°	1087.2	1084.5	1095.1	1097.8	1119.0	1142.9	1158.8	1185.3	1190.6	1217.1	1254.2
7.5°	1012.9	1012.9	1015.6	1028.8	1044.8	1063.3	1092.5	1127.0	1148.2	1180.0	1246.3
10°	954.6	952.0	959.9	965.2	989.1	1010.3	1042.1	1081.9	1100.4	1137.6	1230.4
12.5°	906.9	904.2	909.5	920.1	941.3	959.9	994.4	1052.7	1066.0	1111.1	1227.7
15°	875.1	872.4	875.1	885.7	904.2	930.7	967.9	1015.6	1039.5	1100.4	1235.7
17.5°	864.4	861.8	859.1	861.8	880.4	898.9	946.6	1002.3	1026.2	1097.8	1251.6
20°	872.4	867.1	861.8	861.8	864.4	888.3	936.0	989.1	1018.2	1087.2	1272.8
22.5°	896.3	893.6	883.0	869.7	864.4	883.0	928.1	989.1	1012.9	1089.8	1286.1
25°	938.7	933.4	922.8	904.2	885.7	888.3	930.7	986.4	1010.3	1089.8	1304.6
27.5°	989.1	981.1	973.2	954.6	917.5	901.6	928.1	994.4	1007.6	1081.9	1317.9
30°	1066.0	1063.3	1047.4	1023.5	973.2	925.4	944.0	989.1	1007.6	1073.9	1325.8
32.5°	1158.8	1156.1	1145.5	1119.0	1047.4	973.2	962.6	994.4	1007.6	1071.3	1333.8
35°	1251.6	1248.9	1256.9	1235.7	1156.1	1039.5	997.0	1010.3	1015.6	1076.6	1333.8
37.5°	1336.4	1333.8	1341.7	1365.6	1286.1	1134.9	1050.1	1034.2	1034.2	1084.5	1347.0
40°	1426.6	1429.3	1463.7	1487.6	1450.5	1251.6	1119.0	1079.2	1073.9	1124.3	1370.9
42.5°	1530.0	1519.4	1580.4	1636.1	1599.0	1408.0	1227.7	1148.2	1132.3	1177.3	1423.9
45°	1601.6	1628.1	1683.8	1792.5	1789.9	1593.7	1384.2	1264.8	1235.7	1264.8	1522.1
47.5°	1750.1	1747.5	1821.7	1962.2	1996.7	1819.0	1564.5	1423.9	1384.2	1400.1	1652.0
50°	1935.7	1927.8	2015.3	2169.1	2275.1	2071.0	1808.4	1644.0	1599.0	1599.0	1850.9
52.5°	2049.7	2057.7	2126.6	2333.5	2596.0	2444.8	2078.9	1909.2	1864.1	1866.8	2110.7
55°	1983.5	1991.4	2071.0	2314.9	2760.4	3041.5	2428.9	2259.2	2179.7	2147.9	2468.7
57.5°	1705.0	1689.1	1752.8	2039.1	2686.1	3497.6	3142.2	2664.9	2574.8	2521.7	2877.1
60°	1267.5	1256.9	1262.2	1442.5	2224.8	3632.8	4285.1	3227.1	3065.3	2946.0	3375.6
62.5°	962.6	962.6	952.0	959.9	1325.8	3380.9	5199.9	4290.4	3762.7	3426.0	3884.7
65°	787.5	776.9	792.9	784.9	798.2	2224.8	5629.5	6067.0	5194.6	4080.9	4606.0
67.5°	641.7	631.1	641.7	729.2	697.4	978.5	5027.6	7819.8	7217.9	4902.9	5380.2
70°	546.2	533.0	533.0	649.7	692.1	700.0	3105.1	8379.3	8514.5	6064.4	6138.6
72.5°	408.4	411.0	416.3	559.5	692.1	673.5	1296.7	7355.7	7872.8	6438.3	5881.4
75°	270.5	273.1	289.0	411.0	716.0	684.1	713.3	4948.0	5618.9	4934.8	4086.2
77.5°	180.3	180.3	196.2	267.8	625.8	705.3	665.6	2601.3	3083.9	2330.8	1336.4
80°	122.0	122.0	127.3	180.3	434.9	745.1	657.6	1010.3	952.0	493.2	270.5
82.5°	71.6	71.6	84.9	122.0	257.2	731.9	652.3	530.3	395.1	183.0	143.2
85°	34.5	34.5	50.4	74.2	143.2	548.9	620.5	448.1	297.0	122.0	84.9
87.5°	10.6	10.6	21.2	37.1	66.3	283.7	421.6	307.6	148.5	47.7	29.2
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°	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3	1299.3
2.5°	1291.4	1299.3	1307.3	1325.8	1325.8	1325.8	1315.2	1317.9	1312.6	1317.9	1320.5
5°	1283.4	1299.3	1323.2	1309.9	1302.0	1280.8	1251.6	1225.1	1211.8	1211.8	1198.6
7.5°	1275.5	1296.7	1307.3	1283.4	1238.3	1182.6	1140.2	1092.5	1066.0	1055.4	1055.4
10°	1272.8	1307.3	1302.0	1235.7	1158.8	1073.9	989.1	914.8	853.8	832.6	824.7
12.5°	1283.4	1320.5	1275.5	1169.4	1063.3	936.0	814.1	694.7	615.2	580.7	578.1
15°	1309.9	1333.8	1246.3	1108.4	946.6	779.6	625.8	482.6	421.6	400.4	397.8
17.5°	1325.8	1339.1	1211.8	1028.8	819.4	599.3	421.6	347.4	336.8	336.8	339.4
20°	1341.7	1333.8	1156.1	938.7	670.9	408.4	289.0	270.5	278.4	294.3	297.0
22.5°	1357.7	1302.0	1095.1	816.7	474.6	262.5	228.0	225.4	241.3	265.2	267.8
25°	1349.7	1267.5	1012.9	678.8	294.3	209.5	196.2	201.5	212.1	228.0	230.7
27.5°	1333.8	1235.7	946.6	527.7	206.8	185.6	183.0	185.6	190.9	198.9	204.2
30°	1317.9	1206.5	867.1	355.3	185.6	177.7	175.0	175.0	175.0	180.3	183.0
32.5°	1299.3	1164.1	782.2	233.3	175.0	169.7	167.1	164.4	164.4	164.4	164.4
35°	1280.8	1132.3	697.4	188.3	167.1	161.8	159.1	153.8	153.8	151.1	153.8
37.5°	1264.8	1097.8	586.0	175.0	159.1	156.4	151.1	145.8	143.2	145.8	143.2
40°	1270.2	1087.2	472.0	167.1	156.4	151.1	143.2	140.5	137.9	140.5	140.5
42.5°	1291.4	1071.3	363.3	161.8	151.1	143.2	137.9	132.6	132.6	135.2	135.2
45°	1339.1	1076.6	275.8	156.4	145.8	140.5	132.6	129.9	129.9	129.9	129.9
47.5°	1434.6	1119.0	230.7	153.8	143.2	135.2	129.9	124.6	124.6	124.6	122.0
50°	1577.7	1187.9	214.8	153.8	140.5	135.2	127.3	119.3	116.7	116.7	116.7
52.5°	1779.3	1315.2	214.8	151.1	137.9	129.9	122.0	114.0	111.4	108.7	108.7
55°	2076.3	1482.3	220.1	151.1	132.6	127.3	116.7	108.7	103.4	103.4	103.4
57.5°	2487.3	1781.9	217.4	148.5	129.9	119.3	108.7	103.4	98.1	95.5	95.5
60°	2985.8	2174.4	214.8	145.8	127.3	111.4	100.8	95.5	90.2	90.2	90.2
62.5°	3566.5	2744.5	228.0	151.1	124.6	103.4	95.5	90.2	84.9	84.9	84.9
65°	4330.2	3444.5	342.1	161.8	122.0	98.1	87.5	82.2	79.6	79.6	79.6
67.5°	5192.0	4351.4	403.1	198.9	124.6	90.2	79.6	76.9	74.2	71.6	74.2
70°	5714.4	4457.5	403.1	262.5	143.2	82.2	71.6	68.9	68.9	66.3	66.3
72.5°	5091.2	3680.5	381.8	275.8	156.4	76.9	66.3	63.6	61.0	58.3	58.3
75°	3309.3	2078.9	328.8	225.4	132.6	68.9	58.3	55.7	53.0	53.0	53.0
77.5°	999.7	612.5	217.4	159.1	87.5	58.3	50.4	47.7	45.1	45.1	42.4
80°	249.3	201.5	103.4	87.5	55.7	45.1	39.8	37.1	34.5	34.5	34.5
82.5°	135.2	124.6	63.6	50.4	39.8	31.8	31.8	29.2	26.5	23.9	23.9
85°	82.2	74.2	45.1	31.8	23.9	18.6	18.6	18.6	15.9	15.9	13.3
87.5°	29.2	31.8	21.2	10.6	8.0	8.0	5.3	5.3	5.3	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)