

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: P534605

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

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-7)
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-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) NARROW BAND AMBER, 500mA 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: 4895 lumens
Efficiency: N/A
Efficacy: 41.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

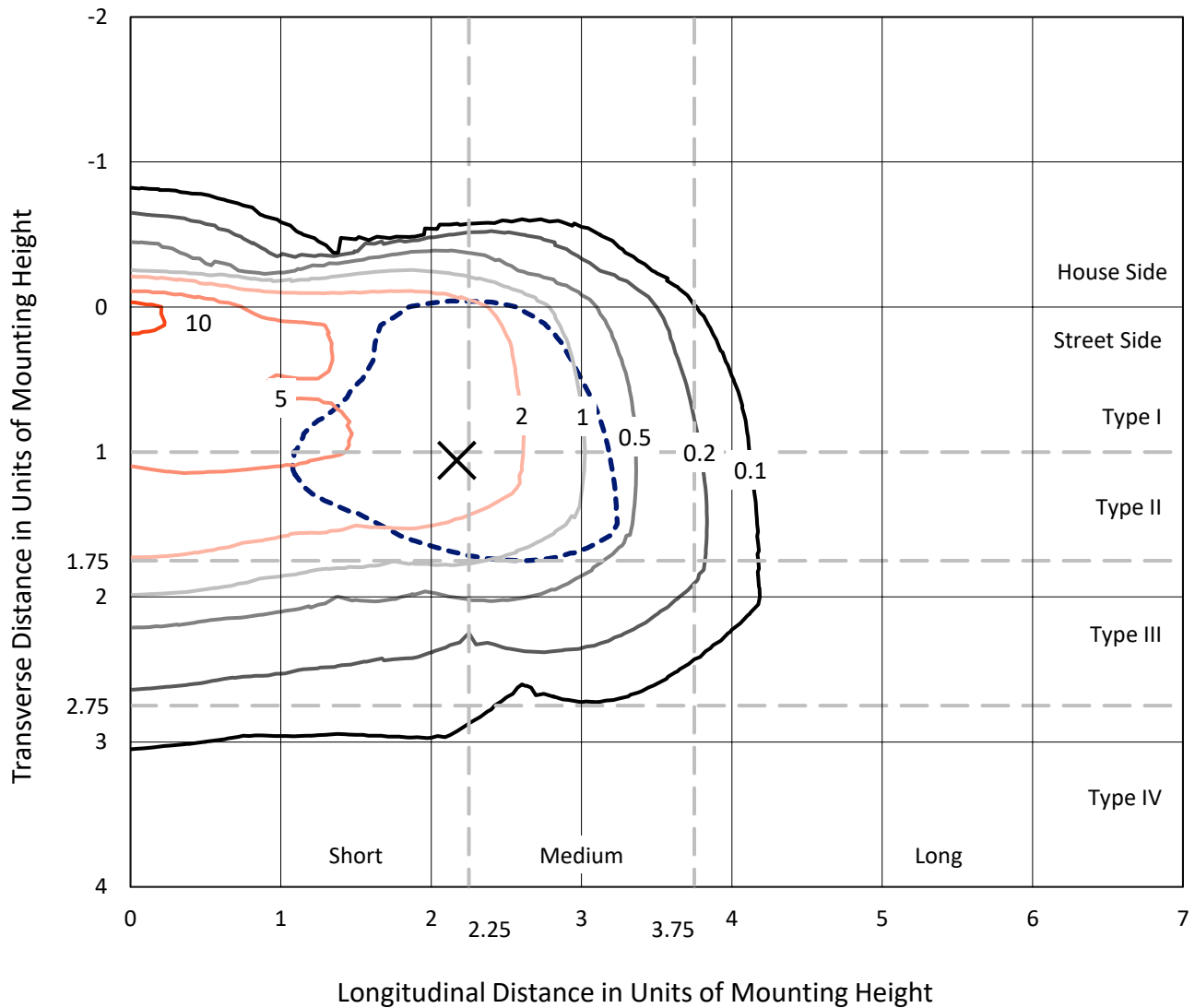
Input Watts (W): 118.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

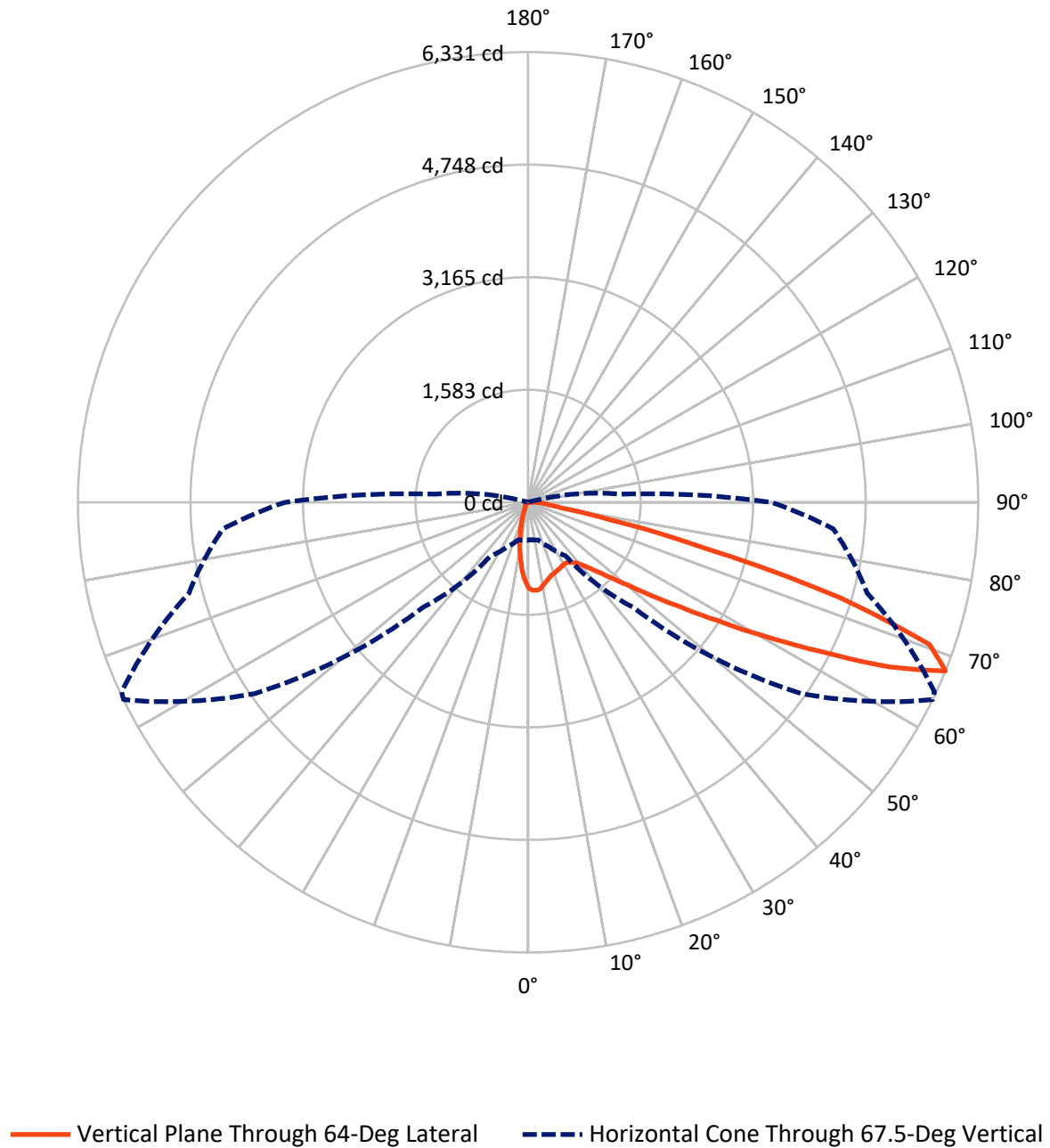
✕ Max cd
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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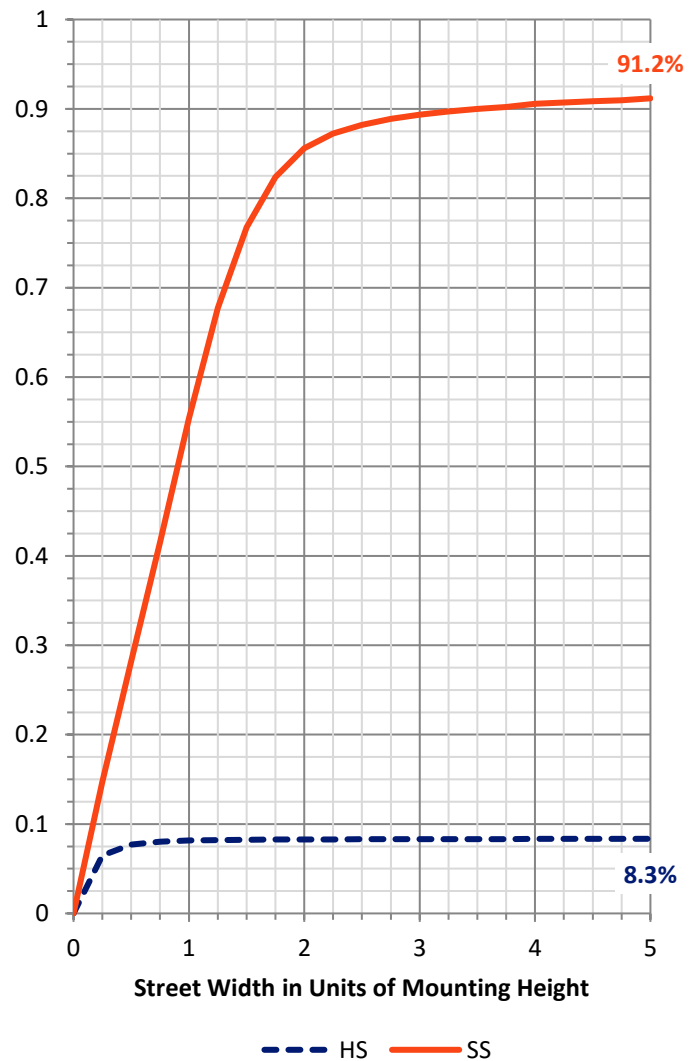
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	412.3	0.0	412.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4482.8	0.0	4482.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	4895.0	0.0	4895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	1.9
10°-20°	191.7	3.9
20°-30°	269.5	5.5
30°-40°	394.0	8.0
40°-50°	653.4	13.3
50°-60°	1144.3	23.4
60°-70°	1476.1	30.2
70°-80°	607.1	12.4
80°-90°	66.4	1.4
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°	4895.0	100.0
0°-180°	4895.0	100.0

Coefficient of Utilization



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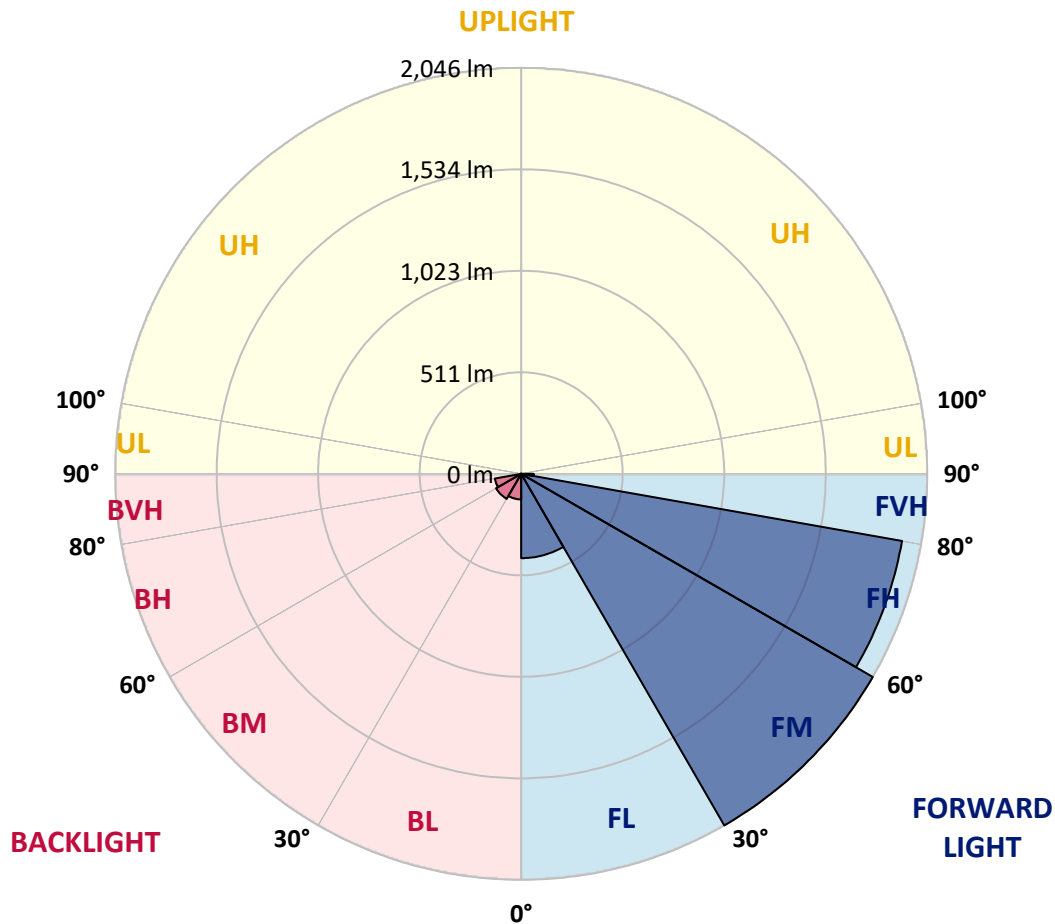
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	425.0	8.7			
FM	(30°-60°)	2045.8	41.8			
FH	(60°-80°)	1948.7	39.8			G2/5000
FVH	(80°-90°)	63.3	1.3			G1/100
BL	(0°-30°)	128.8	2.6	B1/500		
BM	(30°-60°)	145.8	3.0	B0/220		
BH	(60°-80°)	134.5	2.7	B1/500		G1/500
BVH	(80°-90°)	3.1	0.1			G0/10
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3
2.5°	1280.5	1293.7	1285.8	1280.5	1277.8	1264.6	1259.3	1238.1	1243.4	1222.2	1206.3
5°	1243.4	1246.0	1251.3	1256.6	1275.2	1269.9	1259.3	1243.4	1240.7	1216.9	1179.7
7.5°	1150.6	1153.2	1161.2	1182.4	1190.3	1198.3	1224.8	1230.1	1230.1	1187.7	1140.0
10°	1060.4	1055.1	1065.7	1076.4	1105.5	1140.0	1158.5	1182.4	1185.0	1166.5	1116.1
12.5°	975.6	970.3	986.2	1002.1	1036.6	1071.0	1105.5	1142.6	1150.6	1155.9	1092.3
15°	909.3	914.6	922.6	941.1	975.6	1020.7	1065.7	1105.5	1108.2	1142.6	1079.0
17.5°	866.9	866.9	874.9	893.4	927.9	973.0	1023.3	1076.4	1084.3	1137.3	1073.7
20°	864.3	859.0	856.3	864.3	890.8	925.2	994.2	1063.1	1068.4	1132.0	1081.7
22.5°	877.5	869.6	864.3	859.0	869.6	898.7	967.7	1041.9	1055.1	1132.0	1084.3
25°	901.4	898.7	893.4	880.2	869.6	885.5	941.1	1031.3	1044.5	1134.7	1094.9
27.5°	946.4	941.1	935.8	914.6	890.8	880.2	922.6	1015.4	1031.3	1145.3	1110.8
30°	1004.8	1004.8	1002.1	980.9	935.8	896.1	925.2	1004.8	1018.0	1155.9	1124.1
32.5°	1084.3	1084.3	1081.7	1065.7	1007.4	941.1	938.5	1010.1	1026.0	1177.1	1140.0
35°	1171.8	1163.8	1166.5	1161.2	1100.2	1004.8	978.3	1039.2	1044.5	1208.9	1158.5
37.5°	1232.8	1248.7	1264.6	1272.5	1219.5	1097.6	1047.2	1079.0	1087.0	1261.9	1190.3
40°	1344.1	1349.4	1370.6	1394.5	1362.7	1216.9	1147.9	1150.6	1158.5	1317.6	1248.7
42.5°	1439.6	1436.9	1484.6	1521.7	1505.8	1373.3	1275.2	1261.9	1267.2	1426.3	1336.2
45°	1529.7	1542.9	1611.9	1696.7	1696.7	1558.9	1439.6	1407.7	1405.1	1588.0	1476.7
47.5°	1630.4	1656.9	1749.7	1884.9	1945.9	1786.8	1641.0	1601.3	1582.7	1789.5	1688.8
50°	1736.5	1760.3	1861.1	2025.4	2219.0	2126.2	1890.2	1842.5	1858.4	2033.4	1924.7
52.5°	1834.6	1842.5	1927.4	2089.1	2380.7	2582.2	2250.8	2184.5	2171.3	2333.0	2213.7
55°	1861.1	1874.3	1948.6	2091.7	2465.5	2924.2	3009.0	2595.4	2571.6	2608.7	2500.0
57.5°	1816.0	1834.6	1906.1	2025.4	2476.1	3168.1	3626.7	3136.3	3099.1	2879.1	2849.9
60°	1569.5	1596.0	1659.6	1816.0	2293.2	3305.9	4090.7	3817.6	3743.4	3218.4	3351.0
62.5°	1246.0	1227.5	1349.4	1548.2	1908.8	3125.7	4520.1	4620.9	4573.2	3759.3	3979.3
65°	763.5	766.2	800.6	1031.3	1532.3	2571.6	4870.1	5580.6	5583.2	4544.0	4411.4
67.5°	532.9	527.6	548.8	686.6	919.9	2089.1	4689.8	6330.9	6307.0	4936.4	4308.1
70°	413.6	405.6	403.0	503.7	646.9	1272.5	3886.5	5986.2	5957.0	4634.1	3549.8
72.5°	299.6	291.6	304.9	405.6	562.0	752.9	2767.8	4586.4	4544.0	3372.2	2160.7
75°	188.2	190.9	217.4	304.9	527.6	535.5	1625.1	2558.3	2568.9	1619.8	882.8
77.5°	108.7	106.0	132.6	214.7	437.4	495.8	832.4	1193.0	1118.8	543.5	257.2
80°	47.7	47.7	68.9	151.1	318.1	493.1	509.0	461.3	450.7	129.9	87.5
82.5°	21.2	21.2	31.8	87.5	212.1	395.0	429.5	294.3	265.1	50.4	50.4
85°	2.7	2.7	13.3	45.1	100.7	201.5	363.2	238.6	206.8	23.9	31.8
87.5°	0.0	0.0	5.3	13.3	29.2	106.0	212.1	143.2	124.6	10.6	13.3
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°	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3
2.5°	1193.0	1177.1	1147.9	1113.5	1071.0	1049.8	1018.0	986.2	975.6	973.0	967.7
5°	1166.5	1134.7	1068.4	994.2	912.0	835.1	771.5	721.1	681.3	668.1	646.9
7.5°	1116.1	1081.7	973.0	851.0	729.1	609.8	503.7	434.8	395.0	384.4	379.1
10°	1079.0	1026.0	874.9	707.8	535.5	410.9	310.2	246.6	212.1	196.2	196.2
12.5°	1049.8	986.2	782.1	570.0	384.4	257.2	182.9	137.9	124.6	122.0	119.3
15°	1031.3	938.5	694.6	437.4	270.4	161.7	119.3	111.3	108.7	106.0	106.0
17.5°	1018.0	896.1	607.1	344.6	182.9	114.0	103.4	100.7	98.1	98.1	98.1
20°	1010.1	861.6	517.0	262.5	122.0	98.1	92.8	90.1	87.5	87.5	84.8
22.5°	994.2	827.1	440.1	190.9	98.1	87.5	82.2	79.5	74.2	74.2	74.2
25°	991.5	792.7	368.5	132.6	87.5	79.5	71.6	66.3	63.6	61.0	61.0
27.5°	988.9	755.6	315.5	98.1	79.5	68.9	63.6	55.7	50.4	50.4	47.7
30°	973.0	718.5	262.5	84.8	71.6	61.0	53.0	47.7	42.4	39.8	39.8
32.5°	970.3	676.0	212.1	76.9	63.6	53.0	45.1	39.8	34.5	34.5	34.5
35°	962.4	623.0	164.4	68.9	58.3	47.7	39.8	34.5	29.2	29.2	29.2
37.5°	962.4	585.9	122.0	63.6	53.0	39.8	31.8	29.2	23.9	23.9	23.9
40°	980.9	546.1	92.8	58.3	47.7	37.1	29.2	23.9	21.2	21.2	21.2
42.5°	1023.3	522.3	74.2	55.7	42.4	31.8	26.5	21.2	18.6	15.9	15.9
45°	1110.8	527.6	68.9	50.4	37.1	29.2	21.2	18.6	15.9	13.3	13.3
47.5°	1254.0	551.4	63.6	45.1	31.8	23.9	18.6	13.3	10.6	10.6	10.6
50°	1413.0	599.2	61.0	39.8	29.2	21.2	15.9	10.6	10.6	8.0	8.0
52.5°	1646.3	676.0	55.7	37.1	26.5	18.6	13.3	10.6	8.0	8.0	8.0
55°	1930.0	808.6	50.4	34.5	21.2	15.9	10.6	8.0	5.3	5.3	5.3
57.5°	2258.7	959.7	45.1	29.2	18.6	13.3	10.6	5.3	5.3	2.7	2.7
60°	2693.5	1166.5	39.8	26.5	15.9	10.6	8.0	5.3	2.7	2.7	2.7
62.5°	3279.4	1368.0	34.5	21.2	13.3	8.0	5.3	5.3	2.7	2.7	2.7
65°	3555.1	1426.3	29.2	18.6	10.6	8.0	5.3	2.7	2.7	0.0	0.0
67.5°	3417.3	1304.3	23.9	15.9	10.6	8.0	5.3	2.7	0.0	0.0	0.0
70°	2690.9	980.9	23.9	13.3	10.6	8.0	5.3	2.7	0.0	0.0	0.0
72.5°	1545.6	593.8	21.2	13.3	8.0	8.0	5.3	2.7	2.7	0.0	0.0
75°	612.4	190.9	18.6	10.6	8.0	8.0	5.3	2.7	2.7	0.0	0.0
77.5°	164.4	71.6	15.9	10.6	10.6	10.6	5.3	2.7	2.7	0.0	0.0
80°	53.0	26.5	15.9	10.6	10.6	13.3	5.3	2.7	2.7	0.0	0.0
82.5°	39.8	18.6	15.9	10.6	10.6	10.6	5.3	2.7	2.7	0.0	0.0
85°	26.5	8.0	5.3	5.3	5.3	5.3	2.7	2.7	2.7	2.7	0.0
87.5°	13.3	5.3	2.7	2.7	2.7	2.7	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)