

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: P534580

Luminaire Tested: **GALN-SA3A-AMB-U-SL2**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534580
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-SA3A-AMB-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3257 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

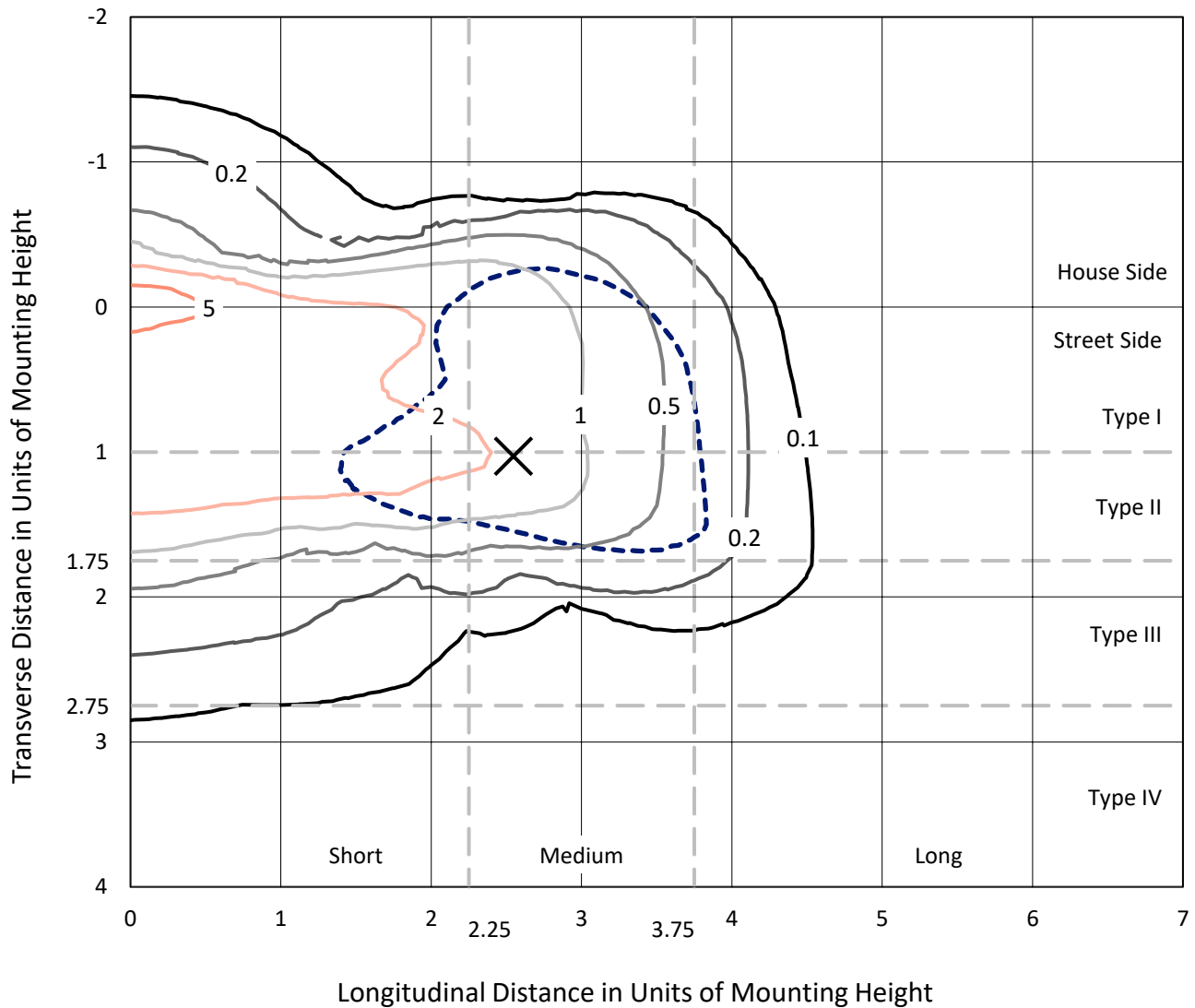
Input Watts (W): 59.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

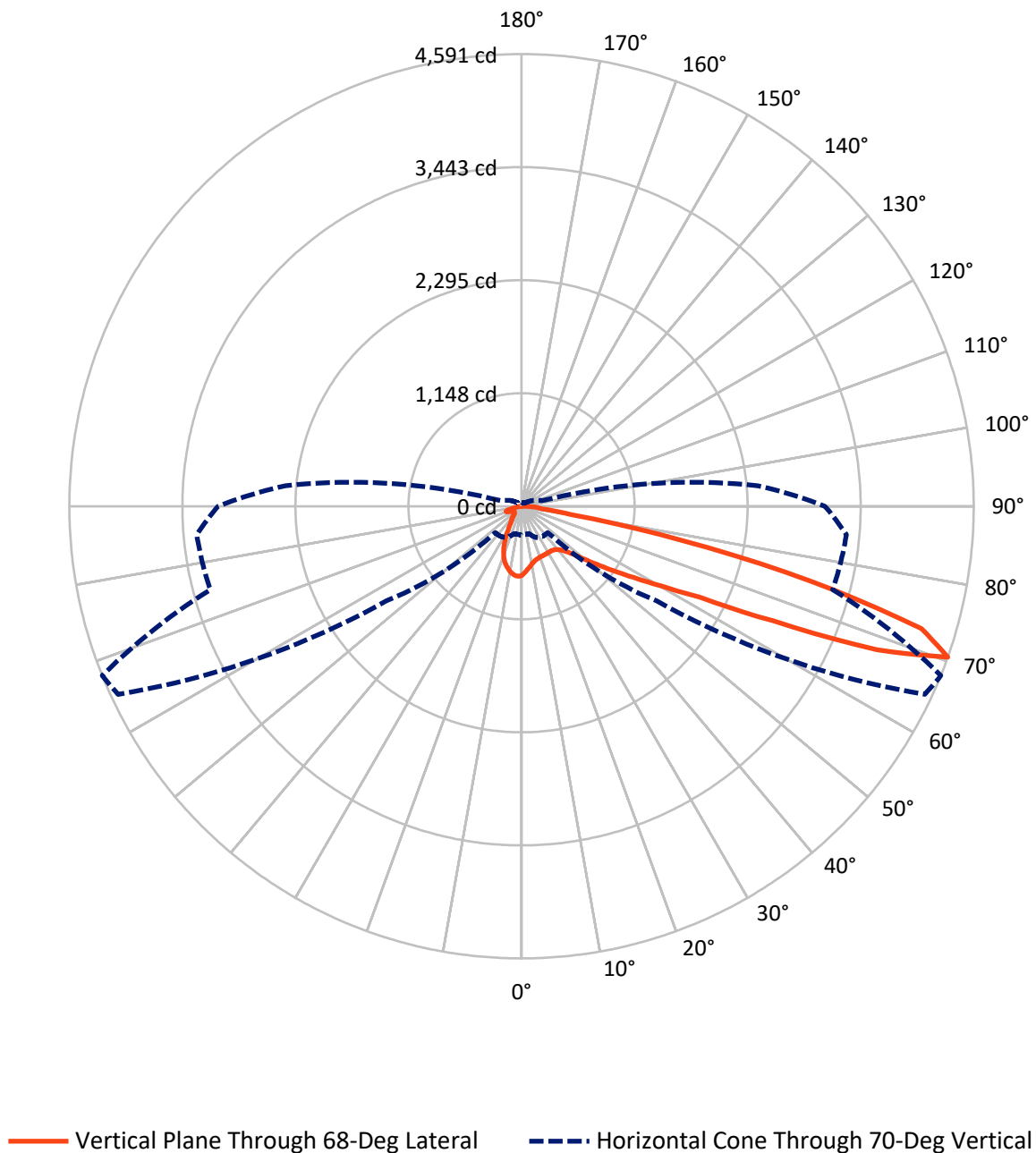


Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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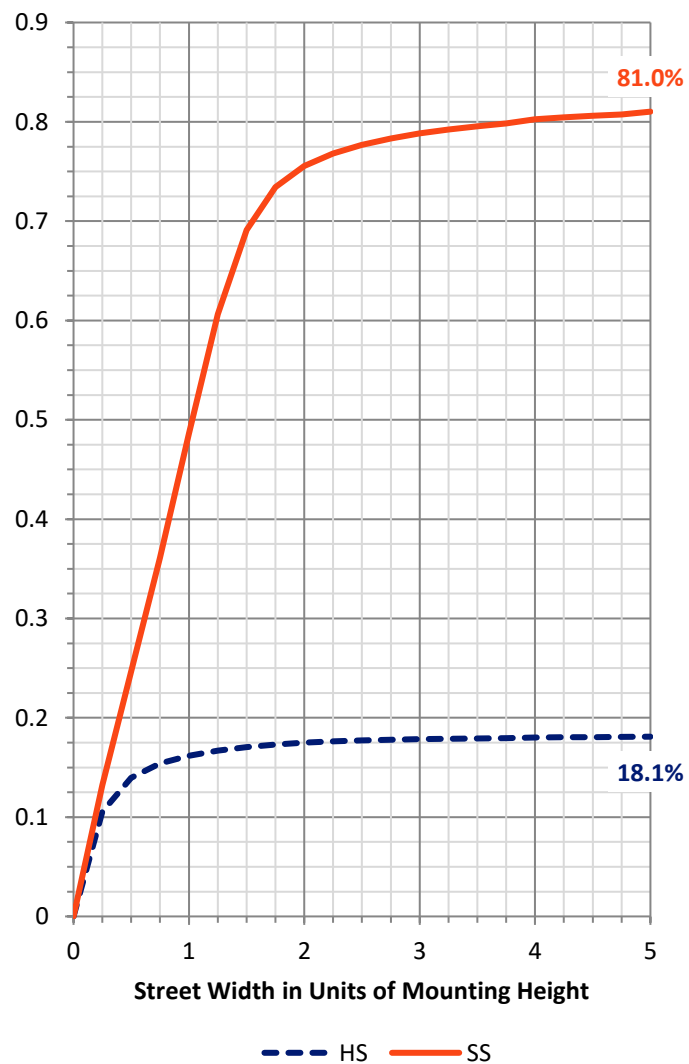
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	595.7	0.0	595.7
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	2661.3	0.0	2661.3
	% Fixture	81.7	0.0	81.7
Total	Lumens	3257.0	0.0	3257.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	1.8
10°-20°	136.8	4.2
20°-30°	184.3	5.7
30°-40°	253.3	7.8
40°-50°	385.1	11.8
50°-60°	640.2	19.7
60°-70°	900.0	27.6
70°-80°	622.7	19.1
80°-90°	75.0	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°	3257.0	100.0
0°-180°	3257.0	100.0

Coefficient of Utilization



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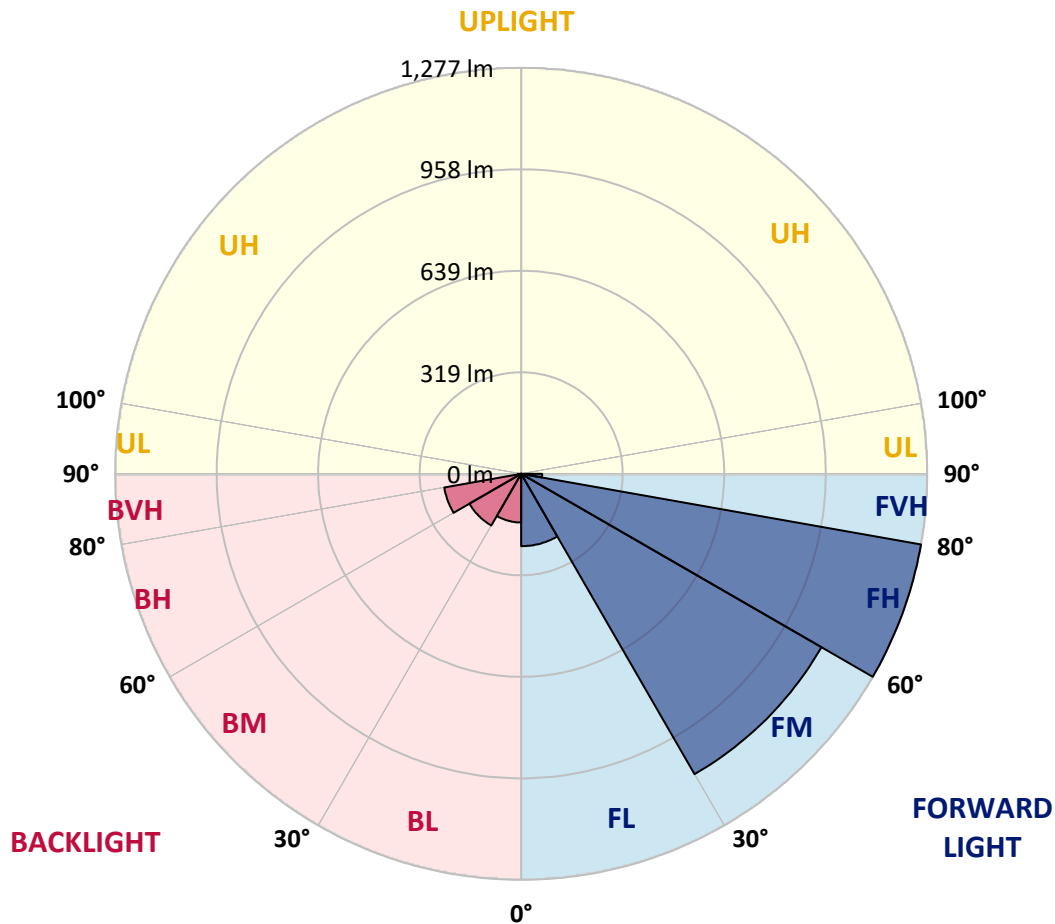
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	227.6	7.0			
FM	(30°-60°)	1090.8	33.5			
FH	(60°-80°)	1277.0	39.2			G1/1800
FVH	(80°-90°)	65.9	2.0			G1/100
BL	(0°-30°)	153.2	4.7	B1/500		
BM	(30°-60°)	187.8	5.8	B0/220		
BH	(60°-80°)	245.7	7.5	B1/500		G1/500
BVH	(80°-90°)	9.1	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	700.5	700.5	700.5	700.5	700.5	700.5	700.5	700.5	700.5	700.5	700.5
2.5°	636.2	634.8	637.6	637.6	641.9	650.5	656.2	666.2	673.4	680.5	689.1
5°	586.2	584.7	590.4	591.9	603.3	616.2	624.8	639.1	641.9	656.2	676.2
7.5°	546.1	546.1	547.6	554.7	563.3	573.3	589.0	607.6	619.0	636.2	671.9
10°	514.7	513.2	517.5	520.4	533.3	544.7	561.9	583.3	593.3	613.3	663.4
12.5°	488.9	487.5	490.4	496.1	507.5	517.5	536.1	567.6	574.7	599.0	661.9
15°	471.8	470.4	471.8	477.5	487.5	501.8	521.8	547.6	560.4	593.3	666.2
17.5°	466.1	464.6	463.2	464.6	474.6	484.7	510.4	540.4	553.3	591.9	674.8
20°	470.4	467.5	464.6	464.6	466.1	478.9	504.7	533.3	549.0	586.2	686.2
22.5°	483.2	481.8	476.1	468.9	466.1	476.1	500.4	533.3	546.1	587.6	693.4
25°	506.1	503.2	497.5	487.5	477.5	478.9	501.8	531.8	544.7	587.6	703.4
27.5°	533.3	529.0	524.7	514.7	494.7	486.1	500.4	536.1	543.3	583.3	710.5
30°	574.7	573.3	564.7	551.8	524.7	498.9	509.0	533.3	543.3	579.0	714.8
32.5°	624.8	623.3	617.6	603.3	564.7	524.7	519.0	536.1	543.3	577.6	719.1
35°	674.8	673.4	677.7	666.2	623.3	560.4	537.5	544.7	547.6	580.4	719.1
37.5°	720.5	719.1	723.4	736.3	693.4	611.9	566.1	557.6	557.6	584.7	726.3
40°	769.2	770.6	789.2	802.0	782.0	674.8	603.3	581.9	579.0	606.2	739.1
42.5°	824.9	819.2	852.1	882.1	862.1	759.1	661.9	619.0	610.5	634.8	767.7
45°	863.5	877.8	907.8	966.4	965.0	859.2	746.3	681.9	666.2	681.9	820.6
47.5°	943.6	942.1	982.2	1057.9	1076.5	980.7	843.5	767.7	746.3	754.9	890.7
50°	1043.6	1039.4	1086.5	1169.5	1226.6	1116.6	975.0	886.4	862.1	862.1	997.9
52.5°	1105.1	1109.4	1146.6	1258.1	1399.6	1318.1	1120.8	1029.3	1005.0	1006.5	1138.0
55°	1069.4	1073.7	1116.6	1248.1	1488.3	1639.8	1309.6	1218.1	1175.2	1158.0	1331.0
57.5°	919.3	910.7	945.0	1099.4	1448.2	1885.7	1694.1	1436.8	1388.2	1359.6	1551.2
60°	683.4	677.7	680.5	777.7	1199.5	1958.6	2310.3	1739.9	1652.7	1588.3	1819.9
62.5°	519.0	519.0	513.2	517.5	714.8	1822.8	2803.5	2313.2	2028.7	1847.1	2094.4
65°	424.6	418.9	427.5	423.2	430.3	1199.5	3035.1	3271.0	2800.7	2200.2	2483.3
67.5°	346.0	340.3	346.0	393.2	376.0	527.5	2710.6	4216.0	3891.5	2643.4	2900.8
70°	294.5	287.4	287.4	350.3	373.1	377.4	1674.1	4517.7	4590.6	3269.6	3309.6
72.5°	220.2	221.6	224.5	301.7	373.1	363.1	699.1	3965.8	4244.6	3471.2	3171.0
75°	145.8	147.3	155.8	221.6	386.0	368.8	384.6	2667.7	3029.4	2660.6	2203.1
77.5°	97.2	97.2	105.8	144.4	337.4	380.3	358.8	1402.5	1662.7	1256.7	720.5
80°	65.8	65.8	68.6	97.2	234.5	401.7	354.6	544.7	513.2	265.9	145.8
82.5°	38.6	38.6	45.7	65.8	138.7	394.6	351.7	285.9	213.0	98.6	77.2
85°	18.6	18.6	27.2	40.0	77.2	295.9	334.5	241.6	160.1	65.8	45.7
87.5°	5.7	5.7	11.4	20.0	35.7	153.0	227.3	165.8	80.1	25.7	15.7
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°	700.5	700.5	700.5	700.5	700.5	700.5	700.5	700.5	700.5	700.5	700.5
2.5°	696.2	700.5	704.8	714.8	714.8	714.8	709.1	710.5	707.7	710.5	712.0
5°	691.9	700.5	713.4	706.2	702.0	690.5	674.8	660.5	653.3	653.3	646.2
7.5°	687.7	699.1	704.8	691.9	667.6	637.6	614.7	589.0	574.7	569.0	569.0
10°	686.2	704.8	702.0	666.2	624.8	579.0	533.3	493.2	460.3	448.9	444.6
12.5°	691.9	712.0	687.7	630.5	573.3	504.7	438.9	374.6	331.7	313.1	311.7
15°	706.2	719.1	671.9	597.6	510.4	420.3	337.4	260.2	227.3	215.9	214.4
17.5°	714.8	722.0	653.3	554.7	441.8	323.1	227.3	187.3	181.6	181.6	183.0
20°	723.4	719.1	623.3	506.1	361.7	220.2	155.8	145.8	150.1	158.7	160.1
22.5°	732.0	702.0	590.4	440.3	255.9	141.5	122.9	121.5	130.1	143.0	144.4
25°	727.7	683.4	546.1	366.0	158.7	112.9	105.8	108.7	114.4	122.9	124.4
27.5°	719.1	666.2	510.4	284.5	111.5	100.1	98.6	100.1	102.9	107.2	110.1
30°	710.5	650.5	467.5	191.6	100.1	95.8	94.4	94.4	94.4	97.2	98.6
32.5°	700.5	627.6	421.7	125.8	94.4	91.5	90.1	88.6	88.6	88.6	88.6
35°	690.5	610.5	376.0	101.5	90.1	87.2	85.8	82.9	82.9	81.5	82.9
37.5°	681.9	591.9	316.0	94.4	85.8	84.3	81.5	78.6	77.2	78.6	77.2
40°	684.8	586.2	254.5	90.1	84.3	81.5	77.2	75.8	74.3	75.8	75.8
42.5°	696.2	577.6	195.9	87.2	81.5	77.2	74.3	71.5	71.5	72.9	72.9
45°	722.0	580.4	148.7	84.3	78.6	75.8	71.5	70.1	70.1	70.1	70.1
47.5°	773.4	603.3	124.4	82.9	77.2	72.9	70.1	67.2	67.2	67.2	65.8
50°	850.6	640.5	115.8	82.9	75.8	72.9	68.6	64.3	62.9	62.9	62.9
52.5°	959.3	709.1	115.8	81.5	74.3	70.1	65.8	61.5	60.0	58.6	58.6
55°	1119.4	799.2	118.7	81.5	71.5	68.6	62.9	58.6	55.8	55.8	55.8
57.5°	1341.0	960.7	117.2	80.1	70.1	64.3	58.6	55.8	52.9	51.5	51.5
60°	1609.8	1172.3	115.8	78.6	68.6	60.0	54.3	51.5	48.6	48.6	48.6
62.5°	1922.9	1479.7	122.9	81.5	67.2	55.8	51.5	48.6	45.7	45.7	45.7
65°	2334.6	1857.1	184.4	87.2	65.8	52.9	47.2	44.3	42.9	42.9	42.9
67.5°	2799.2	2346.1	217.3	107.2	67.2	48.6	42.9	41.5	40.0	38.6	40.0
70°	3080.9	2403.2	217.3	141.5	77.2	44.3	38.6	37.2	37.2	35.7	35.7
72.5°	2744.9	1984.4	205.9	148.7	84.3	41.5	35.7	34.3	32.9	31.5	31.5
75°	1784.2	1120.8	177.3	121.5	71.5	37.2	31.5	30.0	28.6	28.6	28.6
77.5°	539.0	330.2	117.2	85.8	47.2	31.5	27.2	25.7	24.3	24.3	22.9
80°	134.4	108.7	55.8	47.2	30.0	24.3	21.4	20.0	18.6	18.6	18.6
82.5°	72.9	67.2	34.3	27.2	21.4	17.2	17.2	15.7	14.3	12.9	12.9
85°	44.3	40.0	24.3	17.2	12.9	10.0	10.0	10.0	8.6	8.6	7.1
87.5°	15.7	17.2	11.4	5.7	4.3	4.3	2.9	2.9	2.9	1.4	1.4
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)