

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: P944838

Luminaire Tested: **GALN-SB1A-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1A-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3623 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 30.9
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

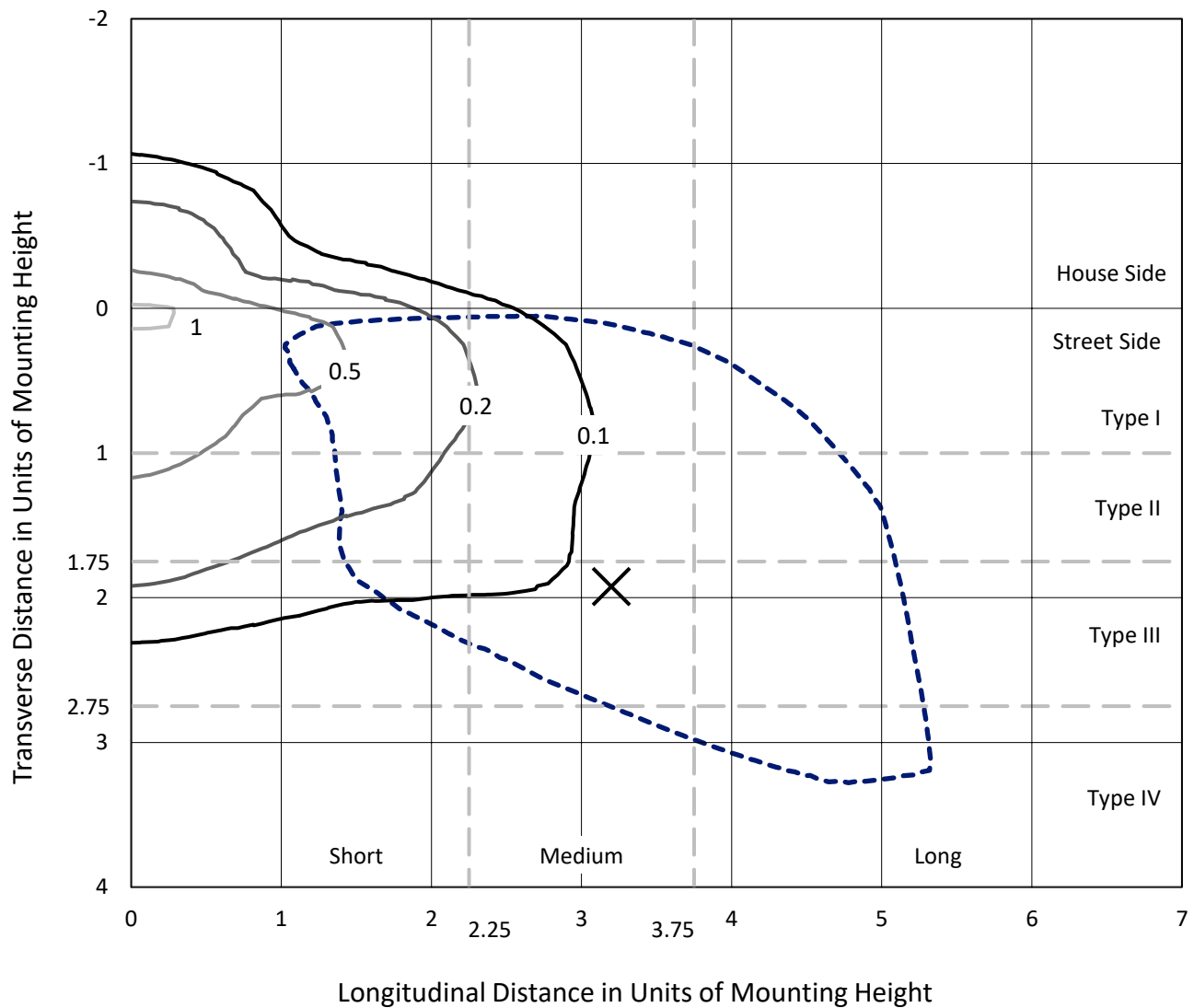


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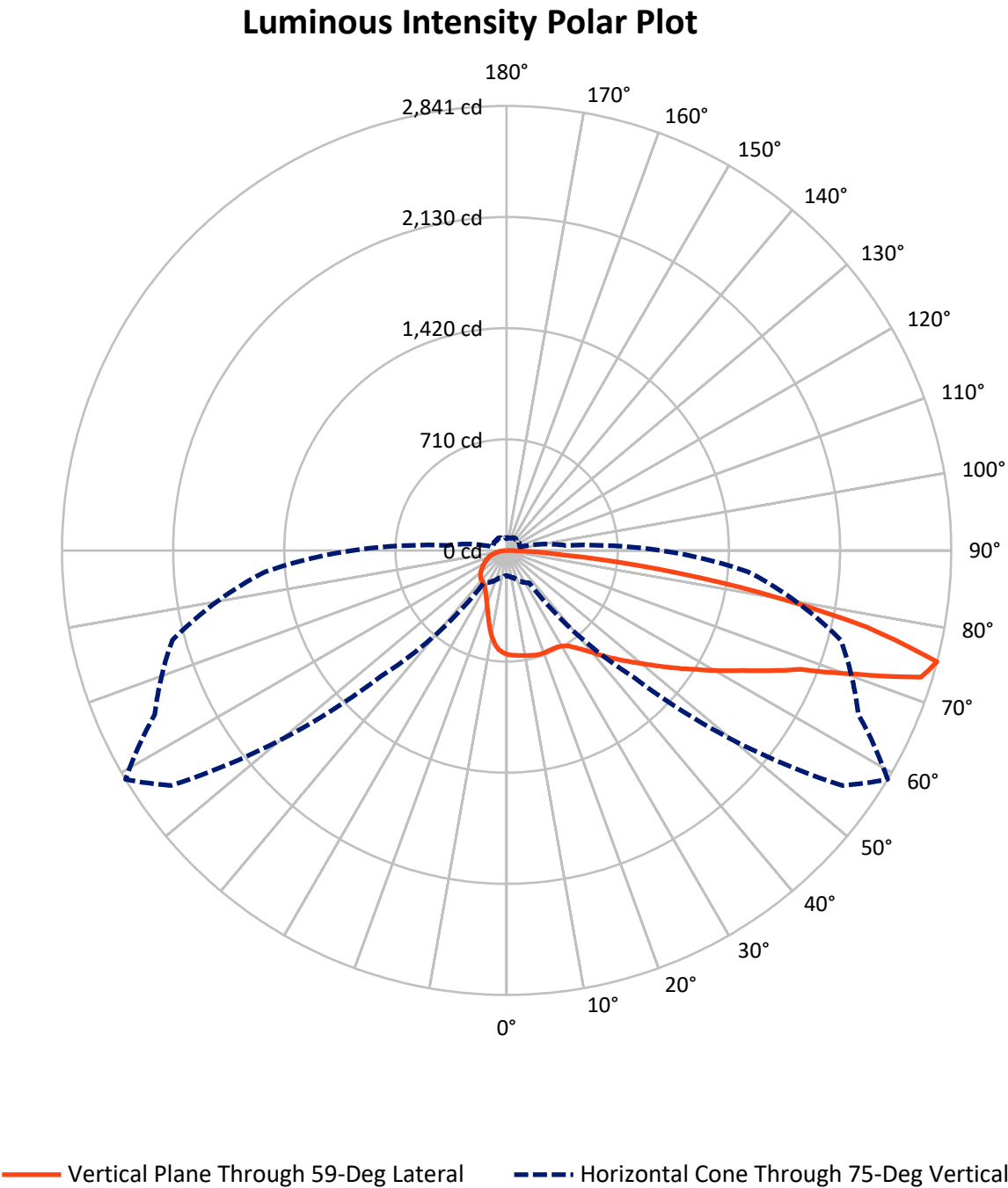
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Medium - N/A

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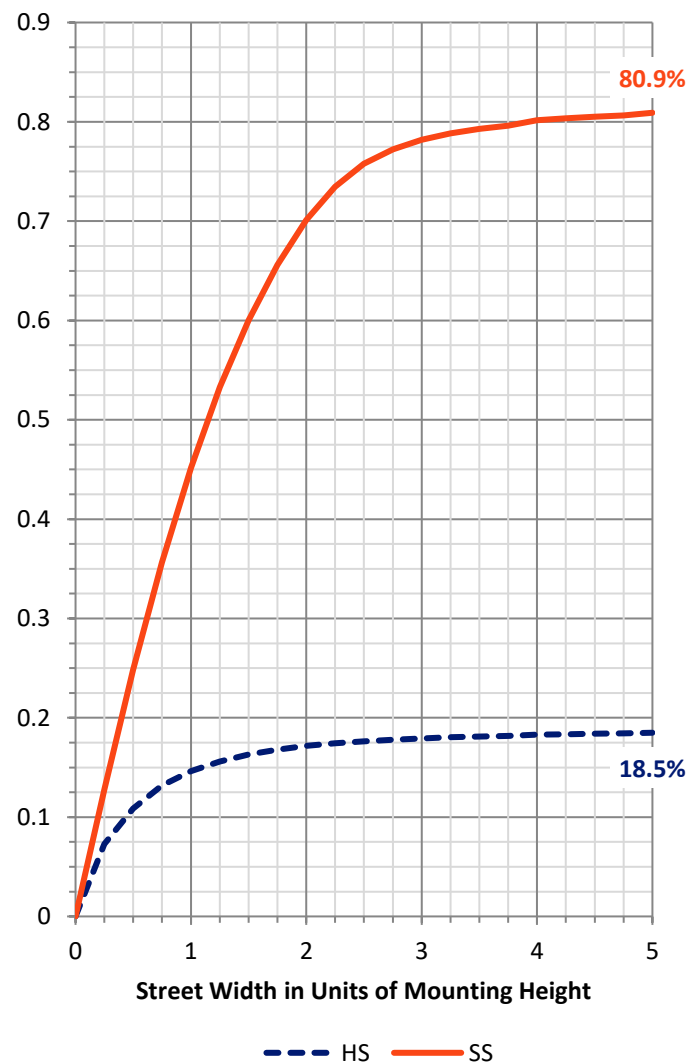
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	679.5	0.0	679.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2943.5	0.0	2943.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	3623.0	0.0	3623.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.6
10°-20°	152.4	4.2
20°-30°	231.5	6.4
30°-40°	344.1	9.5
40°-50°	511.8	14.1
50°-60°	694.7	19.2
60°-70°	848.1	23.4
70°-80°	665.6	18.4
80°-90°	115.3	3.2
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°	3623.0	100.0
0°-180°	3623.0	100.0

Coefficient of Utilization



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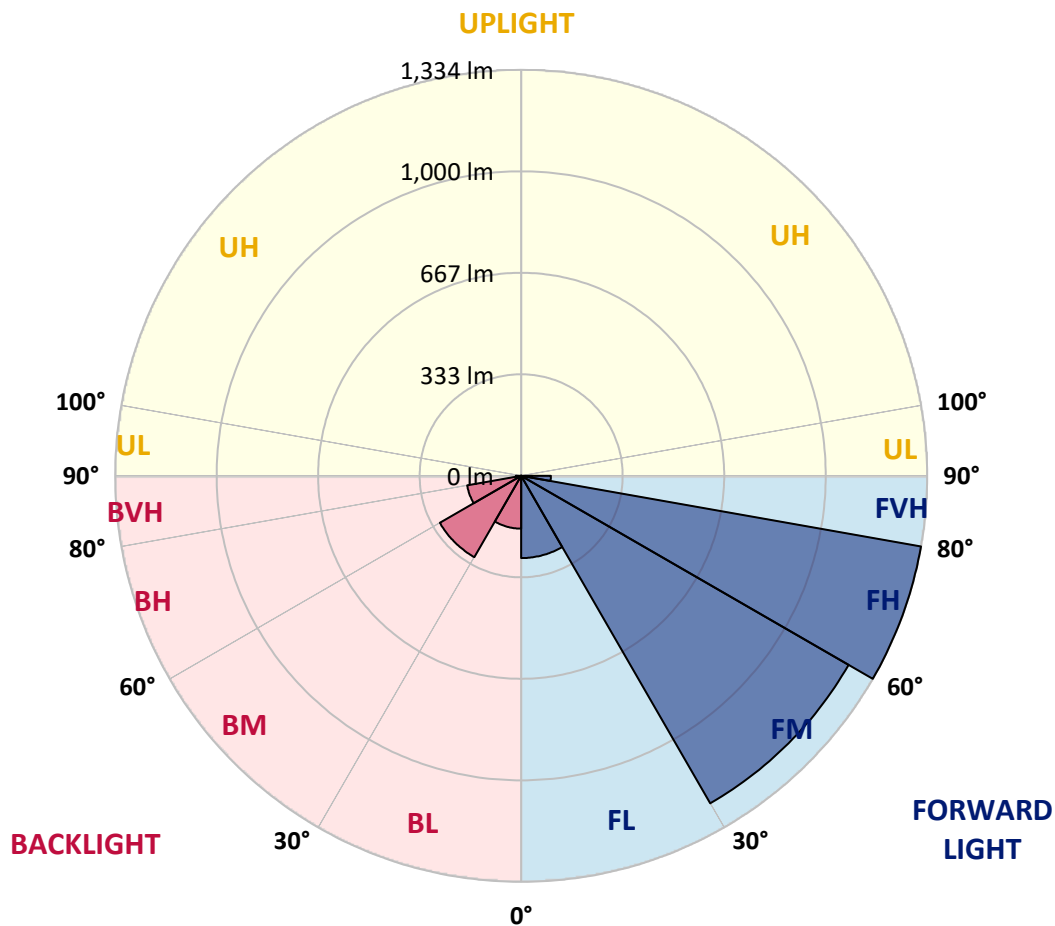
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	270.1	7.5			
FM	(30°-60°)	1242.1	34.3			
FH	(60°-80°)	1333.6	36.8			G1/1800
FVH	(80°-90°)	97.6	2.7			G1/100
BL	(0°-30°)	173.4	4.8	B1/500		
BM	(30°-60°)	308.4	8.5	B1/1000		
BH	(60°-80°)	180.0	5.0	B1/500		G1/500
BVH	(80°-90°)	17.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0
2.5°	670.6	668.3	670.6	669.7	669.3	668.5	668.7	670.1	669.3	670.3	666.9
5°	666.2	664.8	667.1	666.6	669.1	669.5	672.0	673.6	674.5	674.7	672.2
7.5°	658.8	657.4	660.7	663.4	668.9	670.5	675.7	678.2	679.6	681.9	678.2
10°	631.7	631.1	639.3	649.6	662.5	670.5	678.4	682.7	684.9	691.1	686.8
12.5°	583.7	584.5	595.2	615.1	640.8	666.6	681.6	687.8	691.1	698.9	697.0
15°	537.9	537.7	549.4	570.7	606.7	649.4	683.1	693.8	699.5	711.0	709.4
17.5°	511.4	510.6	518.8	535.0	568.5	623.1	679.2	697.2	709.2	723.7	722.3
20°	506.5	505.0	509.3	517.3	541.0	594.2	669.1	697.2	717.0	735.7	735.0
22.5°	524.3	521.7	520.0	519.0	529.5	570.5	657.6	694.8	728.5	753.1	751.7
25°	559.9	556.0	547.1	538.3	535.2	559.7	647.5	694.2	745.7	776.5	771.4
27.5°	617.6	612.8	594.6	573.6	554.7	565.2	643.0	697.7	764.6	801.2	791.1
30°	689.2	683.9	661.1	628.7	594.8	585.5	648.6	708.1	788.8	834.2	814.3
32.5°	753.3	747.4	727.9	695.0	649.2	620.6	666.6	727.8	826.8	880.0	849.2
35°	810.2	803.4	785.8	755.4	715.9	669.9	698.9	762.6	880.7	954.4	896.5
37.5°	865.9	857.9	838.8	806.7	779.0	735.5	743.5	807.5	952.5	1044.9	959.3
40°	928.3	916.8	893.6	861.8	834.9	812.5	802.2	862.4	1025.4	1145.8	1037.6
42.5°	988.7	977.8	950.1	923.0	889.3	882.9	870.2	926.7	1105.1	1256.7	1117.2
45°	1053.8	1040.8	1007.2	972.9	951.7	929.7	936.1	991.1	1183.2	1369.7	1200.6
47.5°	1114.8	1100.2	1060.6	1022.4	1010.7	969.0	996.5	1061.8	1264.5	1484.3	1283.2
50°	1147.8	1133.3	1100.4	1065.9	1056.7	1017.6	1062.0	1139.6	1349.7	1598.6	1362.5
52.5°	1175.2	1159.6	1116.6	1097.5	1094.7	1070.4	1142.7	1228.4	1434.8	1699.5	1439.1
55°	1204.5	1187.1	1132.2	1115.0	1127.5	1129.6	1238.4	1329.2	1524.9	1797.9	1511.4
57.5°	1238.2	1216.2	1147.2	1129.8	1159.5	1199.0	1348.3	1433.7	1613.4	1889.2	1575.8
60°	1270.0	1247.7	1176.0	1153.4	1193.9	1279.5	1474.4	1560.2	1713.5	1970.4	1636.6
62.5°	1276.2	1257.9	1199.0	1198.8	1240.7	1373.4	1623.7	1687.8	1801.1	2050.7	1691.1
65°	1168.2	1156.7	1121.8	1197.1	1307.8	1508.7	1789.9	1851.1	1912.3	2120.9	1739.1
67.5°	889.1	890.7	888.2	1033.4	1253.6	1703.0	2030.6	2026.0	2049.7	2199.6	1794.2
70°	406.6	415.7	475.4	713.3	1004.3	1725.4	2428.6	2368.0	2222.2	2301.6	1842.0
72.5°	219.7	226.7	251.0	345.6	603.8	1534.0	2726.0	2769.1	2451.6	2370.2	1789.6
75°	161.2	165.1	182.0	219.7	253.6	1140.2	2619.4	2840.5	2480.3	2210.1	1545.3
77.5°	120.6	122.4	136.2	174.0	129.8	601.1	2093.0	2352.4	2123.2	1815.9	1141.5
80°	87.5	89.5	99.8	130.6	91.0	219.8	1437.2	1651.2	1454.1	1157.5	568.9
82.5°	60.4	61.2	65.7	88.9	63.5	85.4	815.5	968.3	811.8	406.2	153.6
85°	36.4	37.4	39.4	51.8	36.1	40.5	352.0	364.1	242.6	97.1	47.8
87.5°	15.0	16.0	17.5	21.8	14.2	11.3	58.1	72.9	45.4	28.5	14.8
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°	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0
2.5°	666.0	664.6	660.9	655.8	651.2	645.3	642.8	640.6	638.7	635.0	633.2
5°	670.1	666.4	656.4	643.6	628.9	613.0	597.4	586.6	577.5	570.7	565.0
7.5°	676.3	669.3	651.2	624.8	591.3	557.0	526.0	504.0	487.4	481.4	470.9
10°	682.7	674.3	642.8	596.4	538.5	485.7	444.6	422.0	408.7	404.4	397.8
12.5°	690.3	678.1	629.7	556.8	479.5	421.6	385.7	372.5	365.6	363.3	363.9
15°	701.4	681.2	610.0	507.3	423.1	374.8	351.6	342.4	338.9	338.7	339.5
17.5°	709.8	681.8	579.4	454.3	379.9	346.5	327.4	323.9	326.3	329.8	331.1
20°	719.2	676.5	539.3	406.0	349.5	321.8	313.8	316.1	321.8	326.8	328.6
22.5°	725.8	666.9	490.8	368.4	323.1	307.5	307.2	312.0	315.2	317.7	319.0
25°	731.6	650.8	439.3	336.8	301.5	299.0	303.3	301.7	299.6	301.7	303.1
27.5°	735.9	625.2	393.3	309.1	286.3	293.1	290.6	287.1	286.9	288.1	290.0
30°	734.6	591.1	355.5	282.8	275.6	282.2	276.2	275.6	275.0	275.6	277.7
32.5°	734.6	552.3	326.5	264.7	268.8	266.2	265.6	264.3	261.9	261.7	264.3
35°	738.7	513.6	301.5	254.9	263.1	257.1	257.5	254.1	249.3	246.9	249.3
37.5°	747.0	482.4	276.8	250.2	253.2	253.0	251.4	245.8	237.2	229.8	232.3
40°	767.3	473.2	259.8	248.1	248.5	250.8	246.7	235.8	216.3	204.3	205.8
42.5°	799.1	488.6	256.1	242.8	245.4	247.7	239.7	214.4	200.6	193.3	193.3
45°	839.4	515.5	264.1	235.2	238.0	242.1	218.3	206.2	200.0	200.2	201.1
47.5°	890.5	543.8	278.9	228.6	227.3	229.6	204.1	196.7	188.1	190.2	195.7
50°	949.5	572.4	292.9	219.7	215.4	207.8	194.9	187.9	177.0	171.9	173.3
52.5°	1013.5	600.1	298.6	208.7	202.5	193.7	188.7	180.1	166.8	158.5	158.3
55°	1074.1	625.2	292.3	195.7	189.6	182.8	182.0	176.8	162.5	150.9	150.9
57.5°	1131.4	646.3	276.8	182.4	176.6	172.5	177.7	175.2	157.3	142.3	141.5
60°	1179.9	660.7	254.1	169.0	164.9	162.7	170.7	170.0	149.9	133.1	132.5
62.5°	1218.5	666.4	229.2	156.1	155.1	151.2	161.0	161.0	140.5	124.2	123.6
65°	1248.7	660.9	203.9	143.4	145.4	139.5	149.1	147.9	130.6	116.2	115.4
67.5°	1275.4	643.0	175.8	131.0	135.5	128.0	136.6	133.9	119.7	108.2	107.4
70°	1287.3	601.3	143.8	118.5	124.0	116.7	124.2	119.1	107.4	99.6	98.0
72.5°	1191.8	499.7	113.2	105.4	110.1	104.3	110.7	104.9	94.1	90.6	87.7
75°	986.0	375.0	87.1	91.2	94.7	90.2	94.5	90.2	80.5	83.0	75.8
77.5°	716.1	253.2	66.7	76.2	77.8	75.4	79.1	74.3	65.5	64.9	62.0
80°	356.1	148.3	52.2	60.2	59.6	58.1	62.4	60.0	52.6	55.7	55.2
82.5°	103.1	63.5	38.0	42.3	41.1	41.5	44.6	45.8	68.6	68.0	69.6
85°	32.4	24.9	22.8	23.6	22.4	23.0	26.3	52.2	48.3	28.3	30.6
87.5°	8.4	8.6	5.7	6.0	6.2	7.4	8.4	31.8	15.2	9.9	10.5
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)