

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: P938715

Luminaire Tested: **GALN-SB1A-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
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-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3673 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - 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



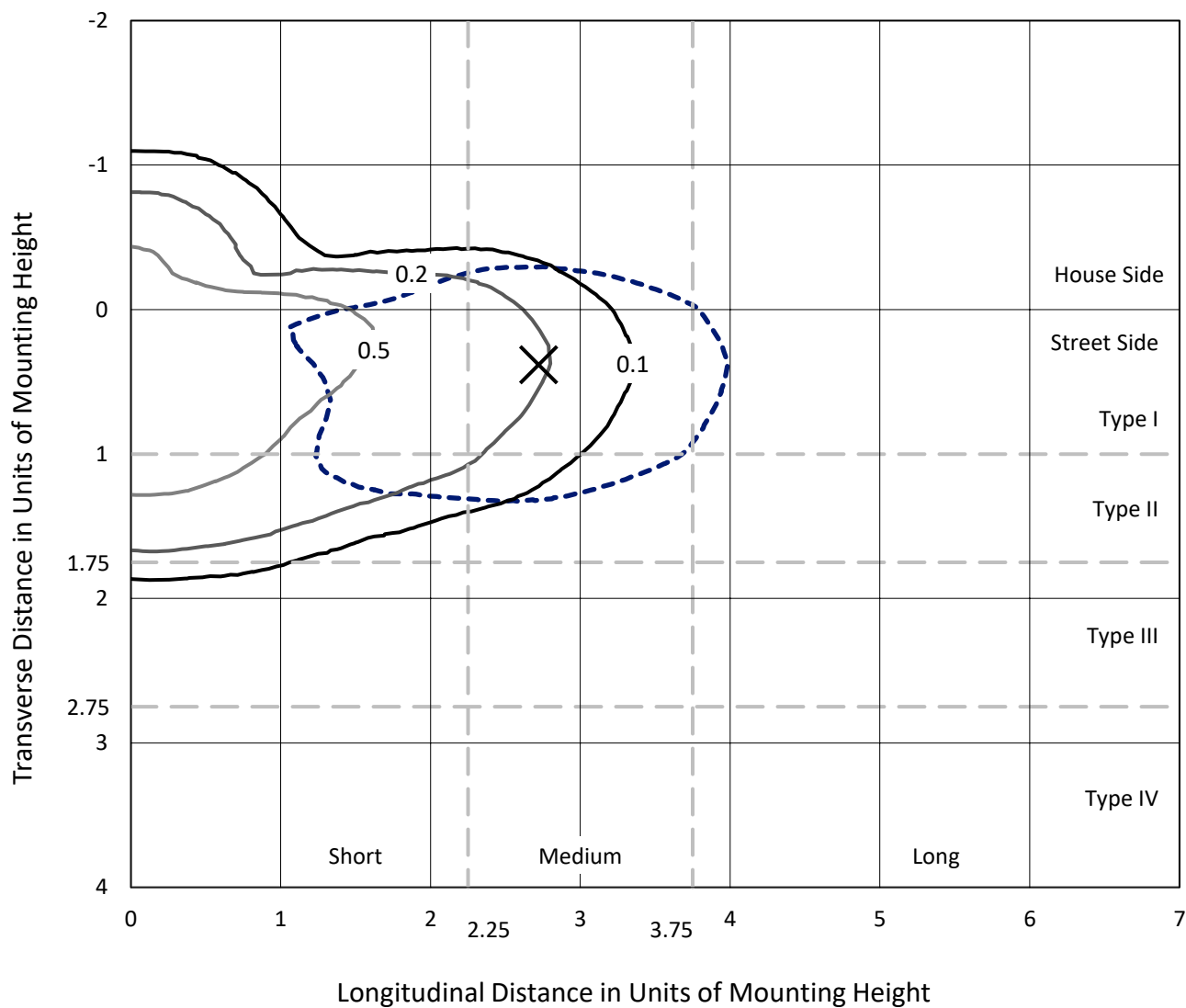
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

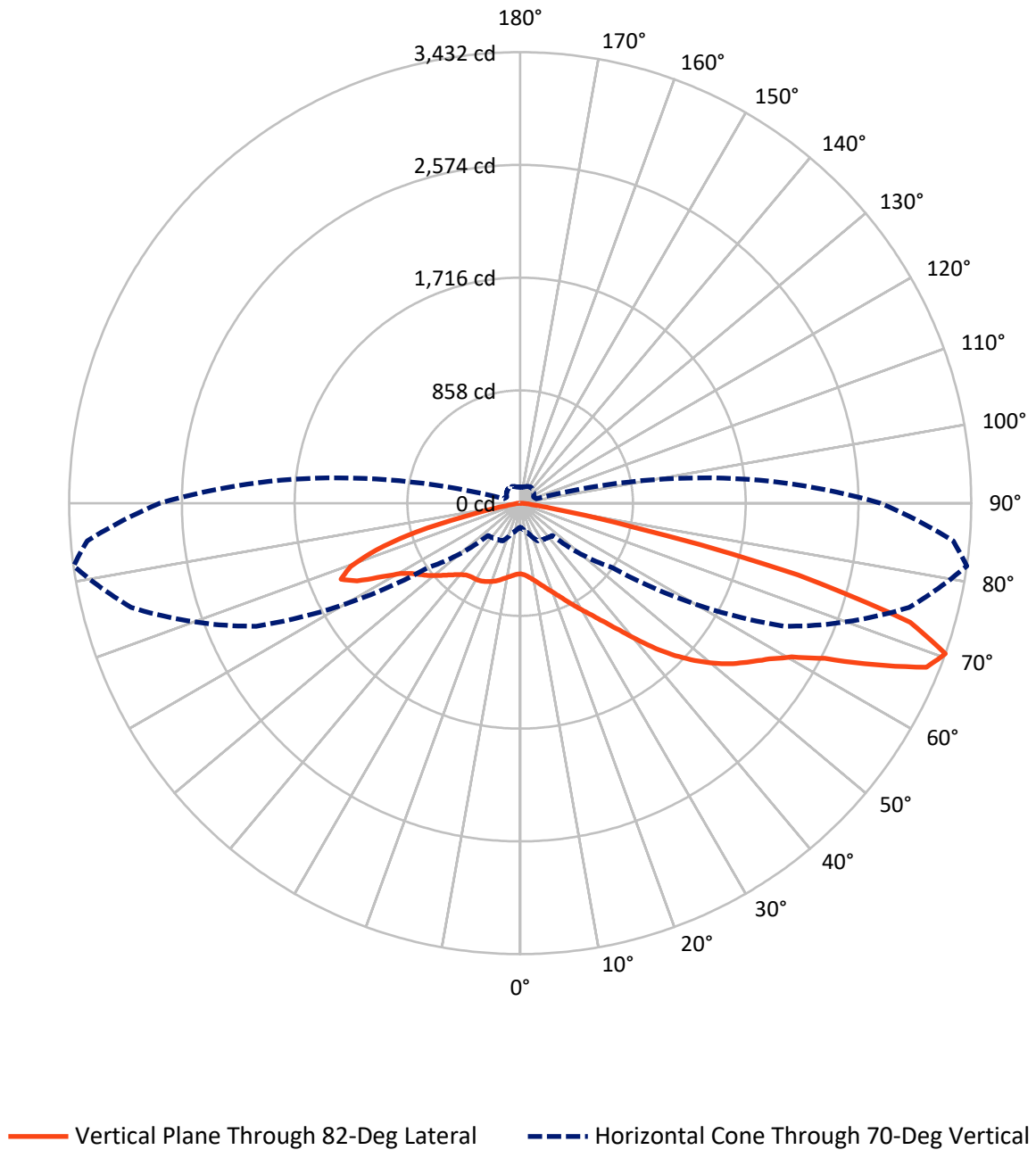


Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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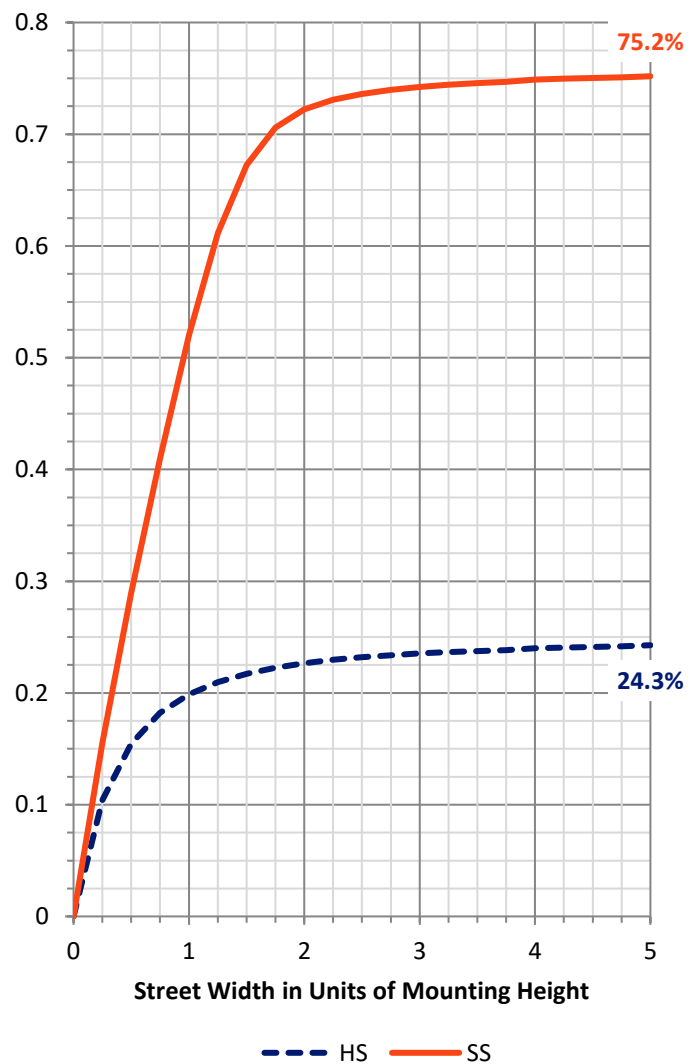
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	905.5	0.0	905.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	2767.5	0.0	2767.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	3673.0	0.0	3673.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	1.4
10°-20°	146.1	4.0
20°-30°	244.4	6.7
30°-40°	381.8	10.4
40°-50°	608.0	16.6
50°-60°	846.1	23.0
60°-70°	885.1	24.1
70°-80°	462.6	12.6
80°-90°	48.0	1.3
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°	3673.0	100.0
0°-180°	3673.0	100.0

Coefficient of Utilization



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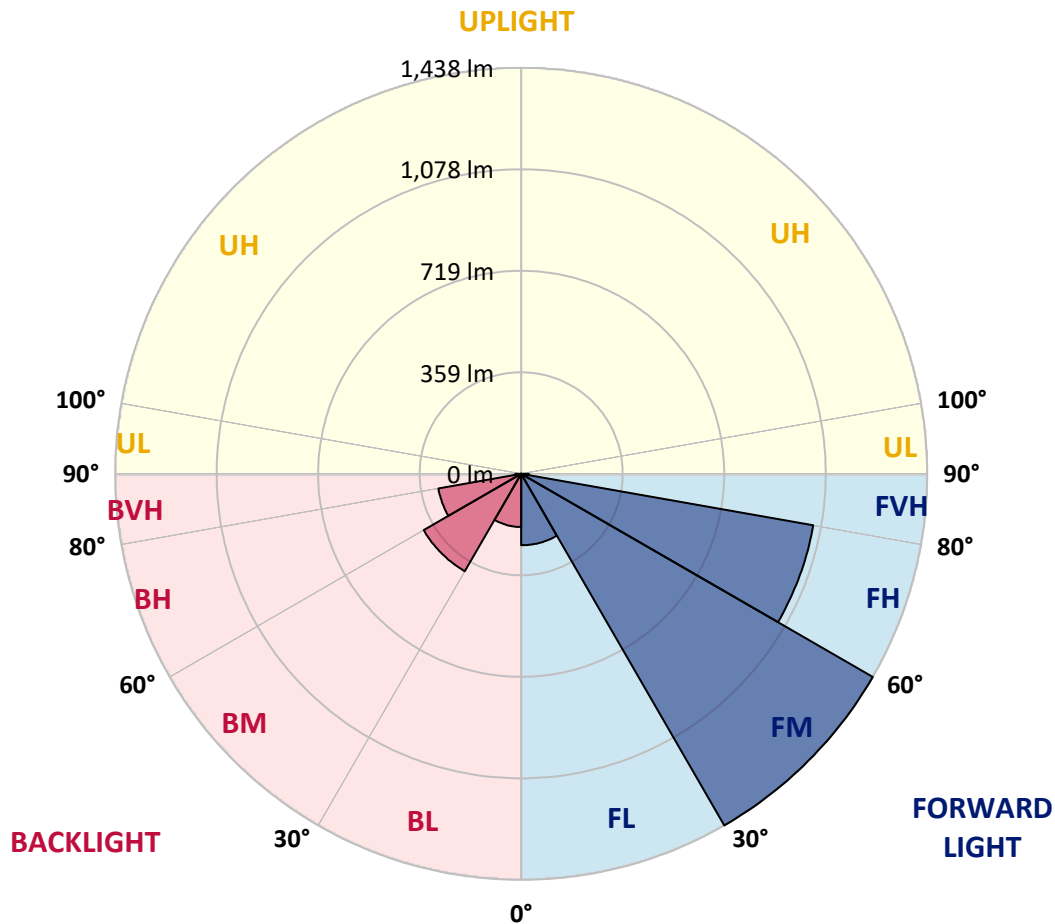
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	252.9	6.9			
FM	(30°-60°)	1437.6	39.1			
FH	(60°-80°)	1050.1	28.6			G1/1800
FVH	(80°-90°)	26.9	0.7			G1/100
BL	(0°-30°)	188.4	5.1	B1/500		
BM	(30°-60°)	398.4	10.8	B1/1000		
BH	(60°-80°)	297.6	8.1	B1/500		G1/500
BVH	(80°-90°)	21.1	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	551.4	554.5	553.5	552.5	552.5	551.2	551.0	549.0	547.5	544.9	544.4
5°	558.4	561.7	561.3	562.1	564.6	565.2	565.8	564.6	561.5	558.4	557.0
7.5°	552.2	555.9	557.0	561.7	569.5	576.5	581.8	583.9	581.0	576.5	574.4
10°	531.1	535.2	539.3	550.4	564.2	580.8	594.8	603.2	602.6	598.3	594.6
12.5°	488.4	492.7	501.5	523.1	548.4	577.7	603.8	621.3	627.4	624.3	617.8
15°	454.3	458.0	464.6	486.9	519.8	564.2	607.1	641.2	656.6	654.9	647.1
17.5°	453.3	454.9	459.0	469.5	494.9	543.2	603.6	660.7	690.1	689.9	680.2
20°	470.5	471.1	473.4	475.6	490.0	527.2	594.6	676.9	727.8	727.8	717.2
22.5°	494.3	493.9	496.2	494.3	501.3	525.8	589.0	691.1	769.7	772.8	759.5
25°	529.9	528.0	527.4	522.9	524.3	538.5	595.2	707.3	819.4	825.8	809.2
27.5°	577.5	574.4	572.2	561.9	558.4	564.6	614.3	726.8	874.7	885.8	864.8
30°	639.5	633.8	630.7	612.8	600.1	601.1	643.2	752.7	932.6	950.5	923.8
32.5°	724.1	715.3	706.9	677.5	654.3	646.7	680.4	788.6	995.4	1024.0	989.7
35°	818.8	811.8	802.8	757.4	721.7	704.2	730.7	838.7	1068.8	1114.2	1069.6
37.5°	910.0	903.9	908.2	847.0	801.0	775.5	796.6	905.9	1159.5	1226.5	1169.8
40°	1004.3	999.6	1000.2	941.8	888.2	859.5	876.5	990.3	1263.3	1360.0	1290.2
42.5°	1106.8	1103.3	1091.6	1039.8	979.6	952.9	968.5	1087.7	1374.8	1512.0	1422.4
45°	1221.6	1219.5	1208.6	1149.1	1080.1	1050.1	1071.2	1195.3	1486.9	1655.1	1555.1
47.5°	1320.8	1322.6	1321.2	1271.1	1199.6	1155.6	1180.7	1307.6	1591.2	1789.6	1682.4
50°	1368.6	1377.7	1391.2	1375.6	1331.2	1286.3	1291.2	1415.9	1690.6	1915.7	1804.4
52.5°	1343.6	1361.0	1397.6	1422.6	1439.7	1430.4	1417.3	1523.5	1784.1	2029.5	1919.8
55°	1250.7	1275.0	1335.8	1396.1	1483.6	1551.6	1568.7	1642.8	1875.3	2129.7	2028.9
57.5°	1081.3	1120.9	1175.4	1297.3	1444.6	1610.3	1745.3	1808.3	1972.0	2236.7	2143.1
60°	790.9	843.9	911.7	1093.0	1308.2	1578.9	1895.6	2062.4	2109.4	2375.2	2291.8
62.5°	506.2	538.9	601.3	772.0	1019.3	1418.1	1941.6	2380.1	2342.3	2602.5	2514.8
65°	346.5	367.6	424.7	520.6	659.0	1055.6	1818.4	2618.3	2712.2	2962.7	2896.0
67.5°	251.8	267.8	316.5	400.5	429.4	624.7	1411.1	2607.4	3071.8	3333.8	3230.1
70°	183.6	194.9	235.8	316.5	330.4	347.5	854.8	2216.4	3064.0	3432.4	3308.2
72.5°	136.0	143.8	171.3	245.6	267.4	234.7	423.1	1610.8	2632.9	3104.6	3005.0
75°	98.4	104.3	124.5	187.9	214.0	178.7	211.1	941.4	1836.5	2183.9	2201.4
77.5°	75.2	79.7	93.0	137.6	171.3	134.1	131.0	433.1	870.8	875.1	924.2
80°	60.4	63.3	70.6	96.9	131.4	100.4	85.4	174.8	275.2	232.9	244.4
82.5°	44.4	49.3	59.6	68.0	93.9	69.2	52.0	88.3	104.7	90.0	90.8
85°	25.3	28.7	36.1	48.7	60.0	42.3	29.8	39.2	48.7	40.0	35.7
87.5°	9.0	11.7	12.7	19.1	26.1	17.5	11.5	11.3	16.0	11.9	9.9
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°	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5	538.5
2.5°	542.4	541.4	537.5	532.3	526.8	521.6	519.8	516.1	513.6	512.2	513.8
5°	553.3	550.2	541.0	529.3	517.1	503.8	494.5	485.9	479.6	473.8	476.1
7.5°	568.9	563.5	547.7	527.2	505.4	483.4	467.0	454.5	446.1	440.7	441.8
10°	587.0	578.7	554.5	523.9	490.2	458.6	439.3	428.6	423.3	420.4	421.2
12.5°	607.9	596.0	561.5	516.3	467.0	430.9	417.7	414.6	414.7	414.9	415.3
15°	633.6	617.1	567.2	499.7	436.8	409.7	407.3	412.4	417.7	420.2	420.0
17.5°	662.7	639.3	568.1	472.4	407.1	396.0	403.4	414.4	422.3	425.9	426.6
20°	693.8	661.9	561.1	433.8	382.8	384.9	398.2	412.2	421.0	425.5	426.6
22.5°	729.5	686.0	544.4	393.3	362.9	372.8	388.4	402.1	411.2	415.7	416.9
25°	770.2	713.1	518.0	359.2	345.8	359.2	374.8	386.1	393.5	397.6	398.8
27.5°	815.5	741.4	483.0	332.1	330.7	345.2	358.0	366.8	370.7	373.8	375.0
30°	860.9	767.1	440.5	311.6	317.7	331.3	340.5	344.4	345.6	346.1	347.5
32.5°	910.0	789.3	395.8	294.7	305.2	317.9	323.3	325.1	319.6	315.9	317.1
35°	969.4	813.1	352.2	281.2	292.9	303.8	305.6	304.0	297.6	290.0	290.4
37.5°	1042.9	842.7	317.3	271.7	281.4	288.6	286.5	286.1	286.7	277.7	278.3
40°	1133.0	881.3	291.8	264.3	272.1	273.6	267.6	270.9	273.8	260.2	260.6
42.5°	1232.9	927.9	275.6	259.2	264.3	260.6	251.2	254.9	254.5	236.6	236.4
45°	1334.9	978.6	269.9	255.5	257.1	249.7	239.3	240.3	232.1	215.9	216.5
47.5°	1436.2	1033.0	273.4	252.4	248.1	239.7	231.7	227.4	215.4	203.3	203.3
50°	1535.6	1090.1	286.3	246.2	235.8	231.0	225.1	217.5	204.6	194.3	193.5
52.5°	1627.8	1147.6	300.7	235.8	220.4	223.4	219.7	210.9	198.2	187.7	187.9
55°	1715.1	1205.1	306.4	221.6	206.0	216.7	214.6	198.4	183.2	174.6	173.9
57.5°	1810.2	1274.3	300.1	203.5	194.3	209.1	200.9	183.0	174.2	167.8	167.2
60°	1942.0	1382.8	286.7	181.1	183.2	197.8	183.8	176.4	166.8	159.6	159.2
62.5°	2160.9	1585.3	265.1	158.8	170.1	181.1	175.6	168.2	158.5	151.4	151.4
65°	2484.4	1866.7	224.3	141.5	155.5	164.7	166.8	159.4	149.3	141.9	142.3
67.5°	2757.2	2043.3	169.8	127.1	140.5	151.4	157.5	150.3	139.5	132.3	132.5
70°	2742.2	1915.1	129.6	112.8	127.3	138.4	146.2	140.5	129.0	122.2	122.8
72.5°	2435.7	1602.1	104.9	98.4	113.8	124.7	134.1	129.8	118.1	111.5	111.5
75°	1789.4	1137.2	83.8	83.8	97.1	110.5	120.8	118.1	107.4	102.7	101.3
77.5°	754.3	477.1	65.7	69.6	80.7	94.9	107.8	108.8	99.4	105.2	95.5
80°	200.6	131.6	50.1	54.8	63.3	78.3	93.7	93.4	83.2	77.8	72.3
82.5°	76.4	51.8	35.7	38.6	45.8	60.0	74.3	76.6	66.5	57.5	57.5
85°	29.4	22.2	22.0	23.2	26.7	39.8	56.1	58.1	50.1	42.5	43.9
87.5°	7.6	6.6	8.2	7.8	12.3	21.2	32.2	33.3	30.6	17.7	25.3
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)