

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: P938714

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
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-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

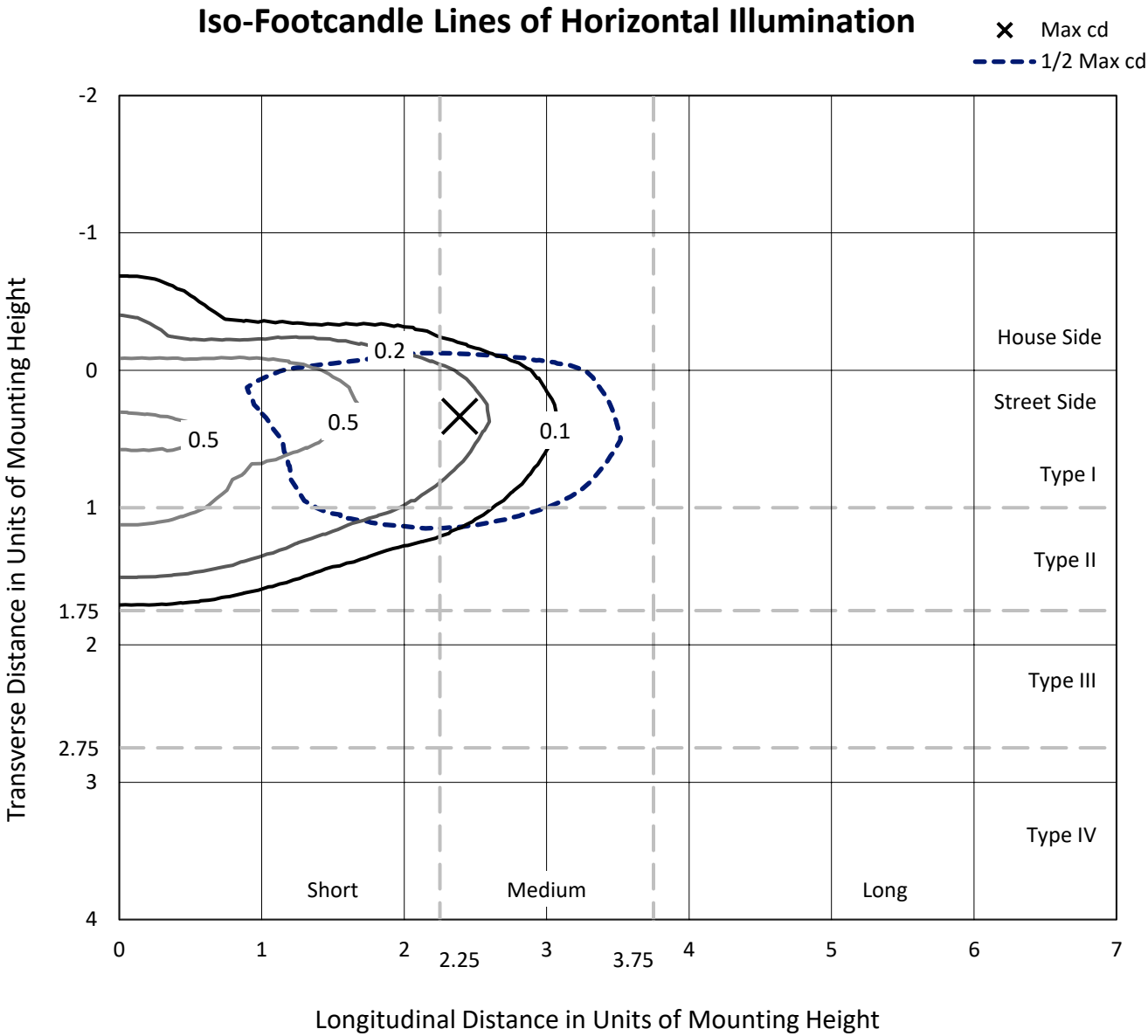
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2707 lumens
Efficiency: N/A
Efficacy: 87.6 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

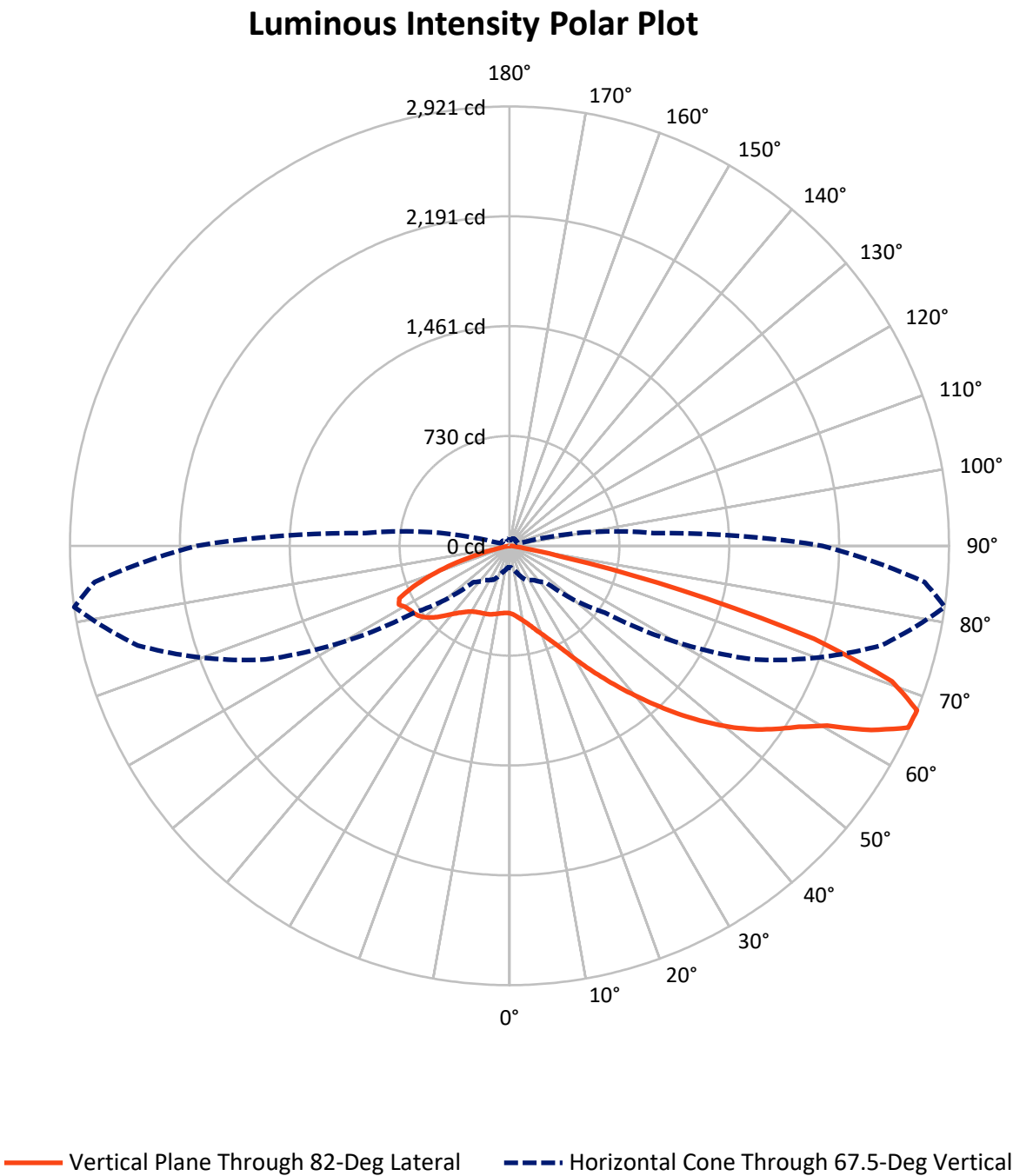


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Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type II - Medium - N/A

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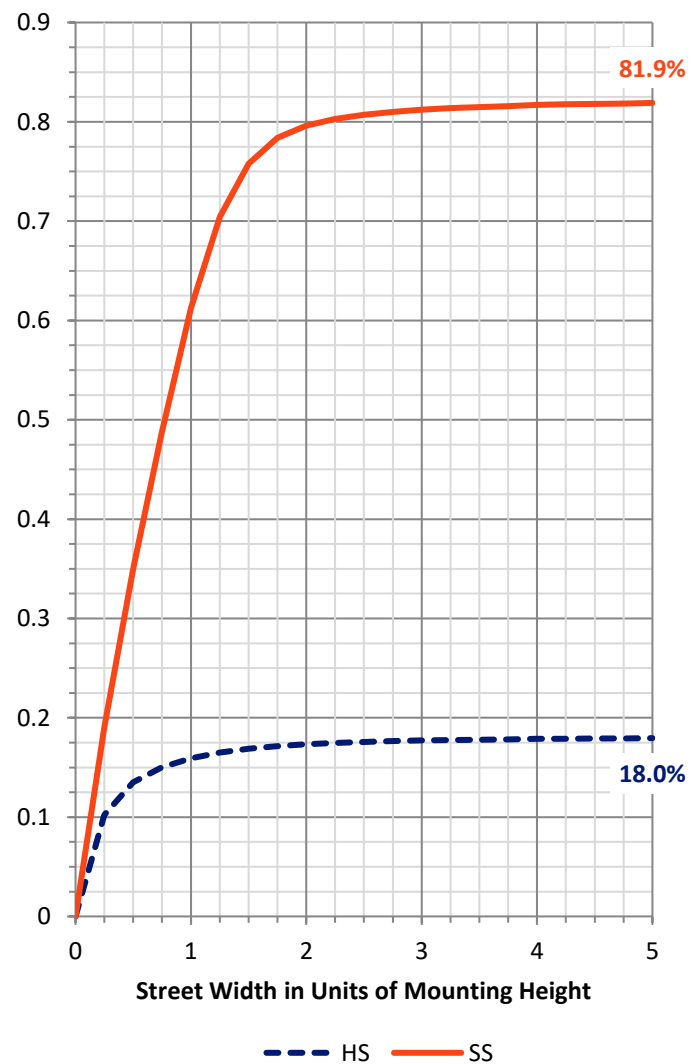
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	490.4	0.0	490.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2216.7	0.0	2216.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	2707.0	0.0	2707.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	1.5
10°-20°	103.8	3.8
20°-30°	166.3	6.1
30°-40°	294.1	10.9
40°-50°	515.2	19.0
50°-60°	687.2	25.4
60°-70°	639.7	23.6
70°-80°	245.5	9.1
80°-90°	15.2	0.6
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°	2707.0	100.0
0°-180°	2707.0	100.0

Coefficient of Utilization



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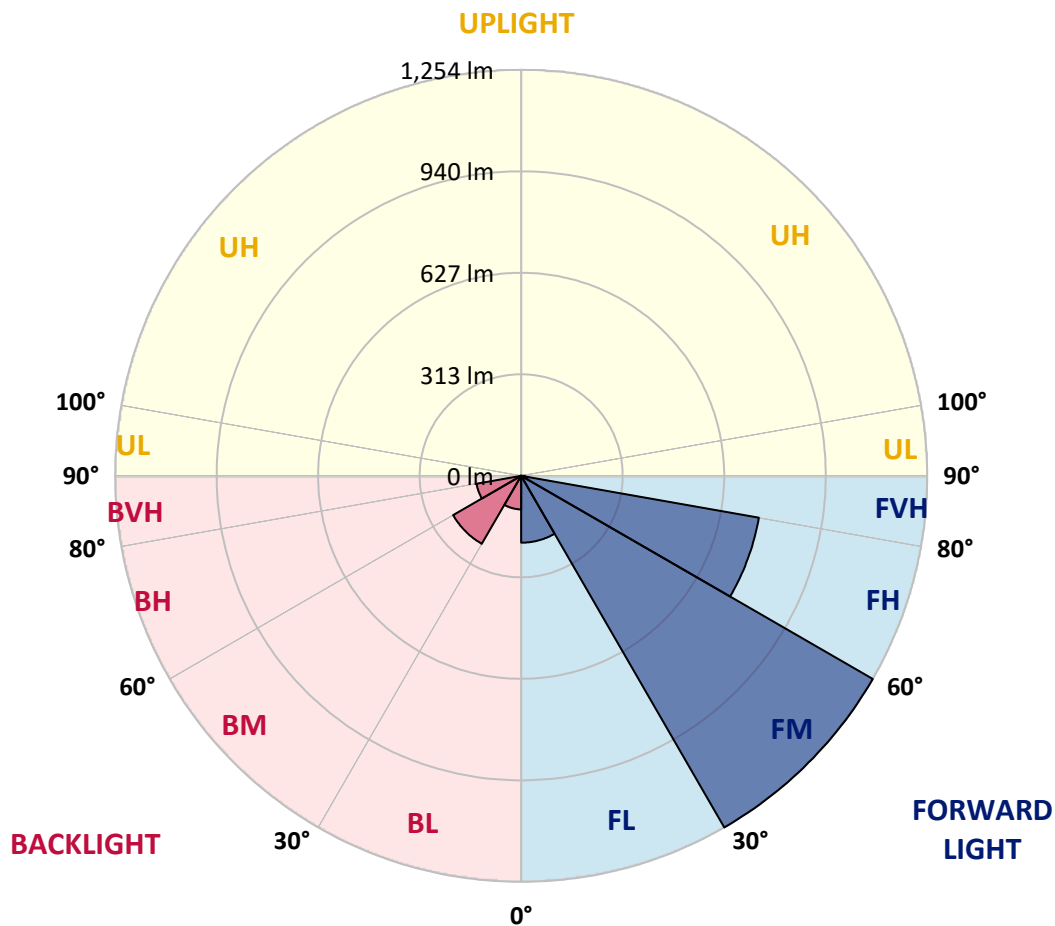
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	206.5	7.6			
FM	(30°-60°)	1253.8	46.3			
FH	(60°-80°)	745.3	27.5			G1/1800
FVH	(80°-90°)	11.1	0.4			G1/100
BL	(0°-30°)	103.6	3.8	B0/110		
BM	(30°-60°)	242.7	9.0	B1/1000		
BH	(60°-80°)	140.0	5.2	B1/500		G1/500
BVH	(80°-90°)	4.2	0.2			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°	75°	82°	85°
0°	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5
2.5°	474.0	476.7	475.2	474.4	473.0	471.1	469.5	464.6	459.6	456.3	455.1
5°	483.5	486.3	486.1	486.9	487.8	488.4	488.0	482.6	475.4	469.7	466.4
7.5°	475.4	478.5	481.0	484.9	491.7	498.9	502.4	501.3	493.9	486.1	482.0
10°	452.2	455.5	461.5	470.7	485.1	500.7	513.7	519.8	515.1	506.5	500.9
12.5°	409.7	413.0	424.9	444.8	468.9	496.0	521.0	537.1	538.3	529.7	523.1
15°	361.9	365.2	377.9	402.9	439.7	483.1	524.9	555.5	565.8	558.4	550.4
17.5°	332.3	335.2	344.8	364.8	403.2	457.4	523.5	574.9	598.5	592.7	583.1
20°	323.3	325.9	330.4	344.4	376.3	430.7	514.5	593.3	633.8	630.5	619.8
22.5°	332.9	335.2	336.6	342.8	362.9	413.2	503.2	612.0	674.7	675.1	662.1
25°	354.9	357.2	355.7	359.6	368.4	407.7	498.9	634.0	726.2	730.5	715.7
27.5°	391.2	391.4	387.7	387.5	388.8	415.9	503.4	657.6	791.1	799.1	780.8
30°	463.9	460.9	446.7	431.3	424.3	440.5	515.9	685.5	867.7	881.9	858.9
32.5°	575.9	571.6	545.5	508.7	471.7	480.0	538.3	717.2	951.1	976.8	948.8
35°	697.5	696.4	669.1	614.3	549.6	536.4	574.8	758.9	1042.1	1083.0	1049.7
37.5°	810.6	810.0	794.4	729.9	651.2	614.9	633.2	813.5	1139.6	1198.8	1159.4
40°	913.9	915.6	900.0	842.3	763.0	715.7	712.7	880.9	1247.9	1324.9	1278.1
42.5°	1003.1	1005.1	989.3	946.6	873.5	827.1	810.4	963.6	1353.8	1460.4	1405.0
45°	1063.7	1075.8	1073.5	1039.4	987.0	938.8	927.7	1067.3	1474.4	1604.0	1539.1
47.5°	1080.9	1092.0	1109.5	1114.2	1082.3	1034.9	1048.2	1192.2	1596.4	1747.8	1674.0
50°	1038.6	1048.9	1085.4	1133.9	1156.1	1141.5	1165.3	1326.1	1721.3	1891.3	1806.3
52.5°	955.2	965.7	1011.7	1088.5	1179.1	1225.1	1282.8	1458.0	1842.4	2027.1	1931.6
55°	834.5	845.7	904.7	991.6	1135.3	1259.6	1380.8	1589.8	1953.3	2149.3	2044.7
57.5°	670.4	678.6	740.0	861.6	1025.0	1225.3	1453.2	1733.6	2057.7	2269.4	2156.7
60°	437.0	444.2	515.5	651.2	842.2	1110.7	1467.6	1894.0	2196.5	2425.5	2307.8
62.5°	290.6	295.5	337.8	437.3	593.1	890.7	1383.2	2022.1	2400.0	2697.2	2566.8
65°	199.4	204.3	246.5	315.9	383.2	589.2	1140.5	2005.1	2584.3	2912.9	2758.8
67.5°	142.3	146.4	182.2	247.7	277.3	342.2	773.2	1788.4	2557.8	2921.1	2769.1
70°	101.9	104.3	133.9	192.9	220.4	205.6	429.9	1367.8	2239.6	2697.4	2558.2
72.5°	71.3	72.1	93.0	147.0	177.6	150.1	204.6	911.9	1693.9	2117.2	1983.3
75°	48.3	49.3	62.6	107.8	142.5	114.6	108.4	489.0	994.4	1171.9	1050.5
77.5°	29.6	30.0	40.3	73.7	106.6	87.3	69.8	207.2	384.7	377.7	322.0
80°	16.8	16.8	25.7	45.8	72.7	56.3	48.9	88.1	121.8	107.0	94.3
82.5°	9.4	9.5	18.7	28.5	48.1	33.3	26.9	40.7	52.6	46.6	40.5
85°	3.9	4.3	11.5	13.4	23.0	16.6	10.9	17.2	19.5	17.3	12.7
87.5°	0.4	0.6	3.5	2.5	2.7	3.3	1.6	3.3	2.7	2.7	1.9
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°	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5	448.5
2.5°	451.4	448.5	441.1	432.5	421.2	415.7	408.3	403.2	399.0	399.3	395.4
5°	460.2	452.7	436.2	415.5	389.8	371.5	352.0	338.5	327.6	325.3	320.0
7.5°	472.2	460.5	431.5	394.3	350.8	317.9	288.4	269.5	256.1	251.8	247.5
10°	487.8	470.9	425.5	367.6	305.0	263.1	231.5	216.7	207.6	204.4	202.1
12.5°	506.0	482.8	417.5	335.0	257.8	217.5	197.4	190.0	187.1	186.1	185.5
15°	528.8	497.6	405.4	296.4	217.9	189.6	181.1	180.1	180.5	180.1	179.9
17.5°	555.8	513.7	385.7	256.7	191.0	175.4	172.3	173.1	174.0	173.8	173.5
20°	585.5	529.7	360.6	221.4	172.7	165.3	163.5	164.3	165.1	164.7	164.5
22.5°	619.2	546.9	332.7	193.9	160.4	155.9	154.0	154.2	154.2	153.4	153.0
25°	659.5	565.8	303.5	174.4	151.0	147.5	145.2	144.4	143.2	140.9	140.5
27.5°	707.7	585.9	275.4	160.8	143.6	140.3	137.6	135.6	132.7	128.8	128.4
30°	761.9	610.2	251.6	152.2	137.8	134.5	131.4	128.4	124.1	119.3	118.9
32.5°	825.6	636.3	234.3	146.6	132.5	129.0	125.3	121.8	117.1	112.3	112.5
35°	901.6	667.9	224.1	142.7	128.4	123.8	119.7	115.8	112.3	108.0	107.6
37.5°	984.0	701.4	221.0	140.7	125.7	118.5	113.8	111.1	110.7	108.2	108.0
40°	1074.3	741.2	223.4	139.5	122.8	113.4	108.4	107.8	108.8	104.3	104.5
42.5°	1169.8	788.4	227.3	138.2	118.7	108.4	103.5	103.5	102.7	96.5	96.5
45°	1273.1	842.7	231.1	134.9	113.8	103.3	99.6	98.2	94.9	88.9	88.7
47.5°	1377.1	898.1	234.1	128.8	108.0	99.0	95.7	92.6	87.7	82.2	82.1
50°	1476.0	947.8	231.0	119.9	101.3	94.9	91.4	87.1	81.9	78.2	77.6
52.5°	1564.2	990.9	217.7	109.3	94.3	90.6	87.5	83.0	78.7	74.8	74.5
55°	1641.0	1025.7	194.3	99.4	88.1	86.9	83.8	78.2	72.3	69.0	68.6
57.5°	1714.7	1052.2	165.1	91.2	82.4	82.8	78.2	73.1	67.6	64.1	63.7
60°	1812.7	1087.7	135.5	83.6	76.4	77.6	72.5	68.8	62.0	57.5	56.9
62.5°	1969.4	1142.9	107.6	74.3	69.4	69.8	67.6	63.1	55.0	49.7	49.3
65°	2093.8	1122.6	84.8	64.1	61.4	62.0	62.0	57.1	48.3	42.3	41.7
67.5°	2079.7	961.2	67.6	54.2	53.8	54.2	55.5	51.5	42.9	38.0	37.2
70°	1915.8	764.6	54.2	45.0	46.8	45.8	49.7	47.0	38.6	33.7	33.1
72.5°	1563.3	550.8	41.3	37.2	35.9	37.4	44.8	42.3	32.2	26.7	26.1
75°	913.5	293.9	30.8	29.4	25.9	31.2	39.8	36.1	24.6	19.7	19.1
77.5°	297.4	102.5	22.6	21.6	19.3	25.1	33.9	30.4	20.1	15.6	15.0
80°	79.7	31.0	15.4	14.2	12.5	18.7	26.9	24.2	14.4	10.1	9.9
82.5°	32.0	13.1	9.0	8.0	6.8	12.9	21.2	19.5	10.7	6.4	6.4
85°	10.3	4.3	3.3	2.5	3.1	8.0	12.7	13.3	7.6	3.3	2.5
87.5°	1.4	0.6	0.6	0.8	0.6	1.4	3.9	3.7	2.1	0.4	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)