

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: P938717

Luminaire Tested: **GALN-SB1A-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938717
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
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-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

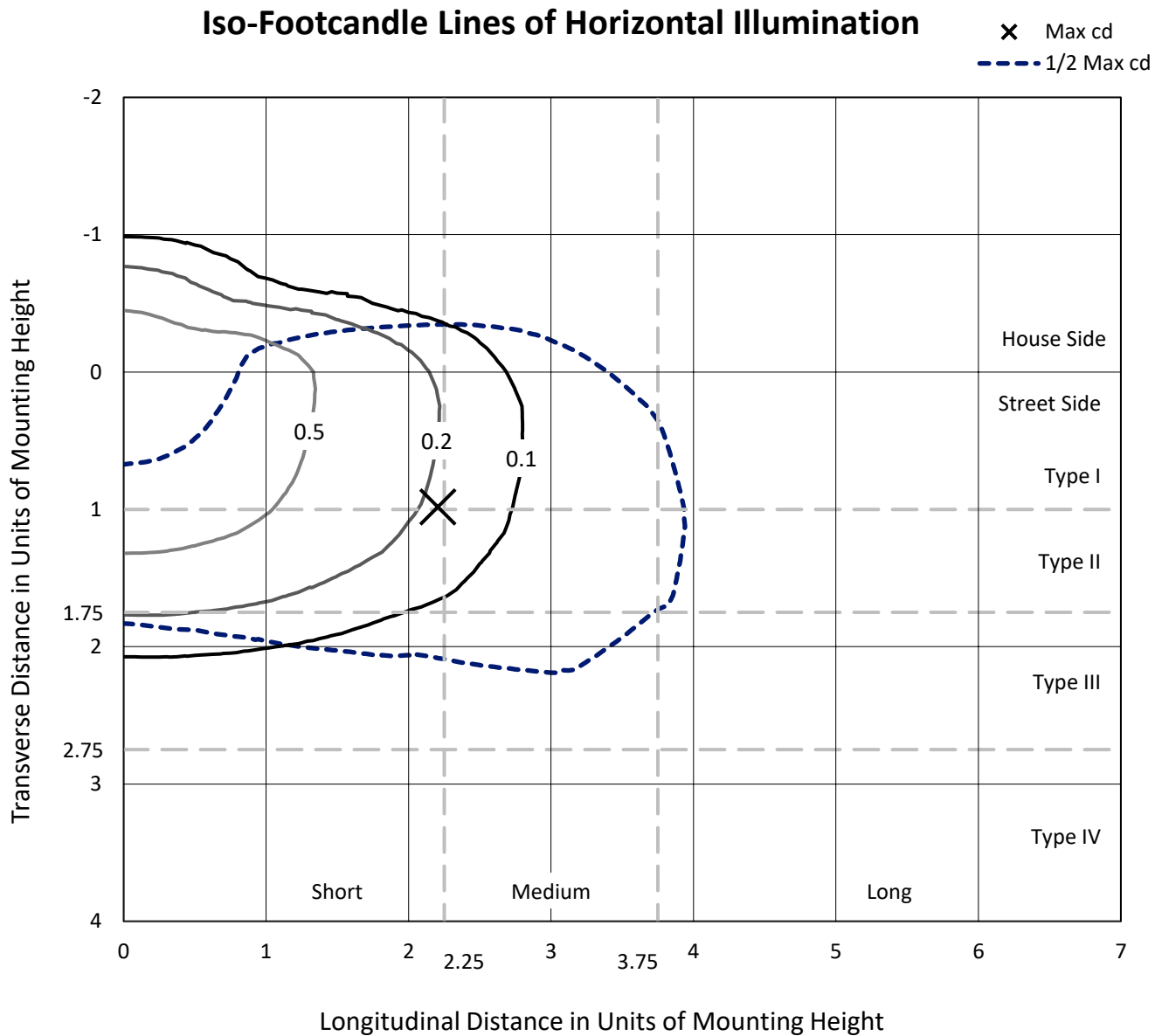
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3709 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
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

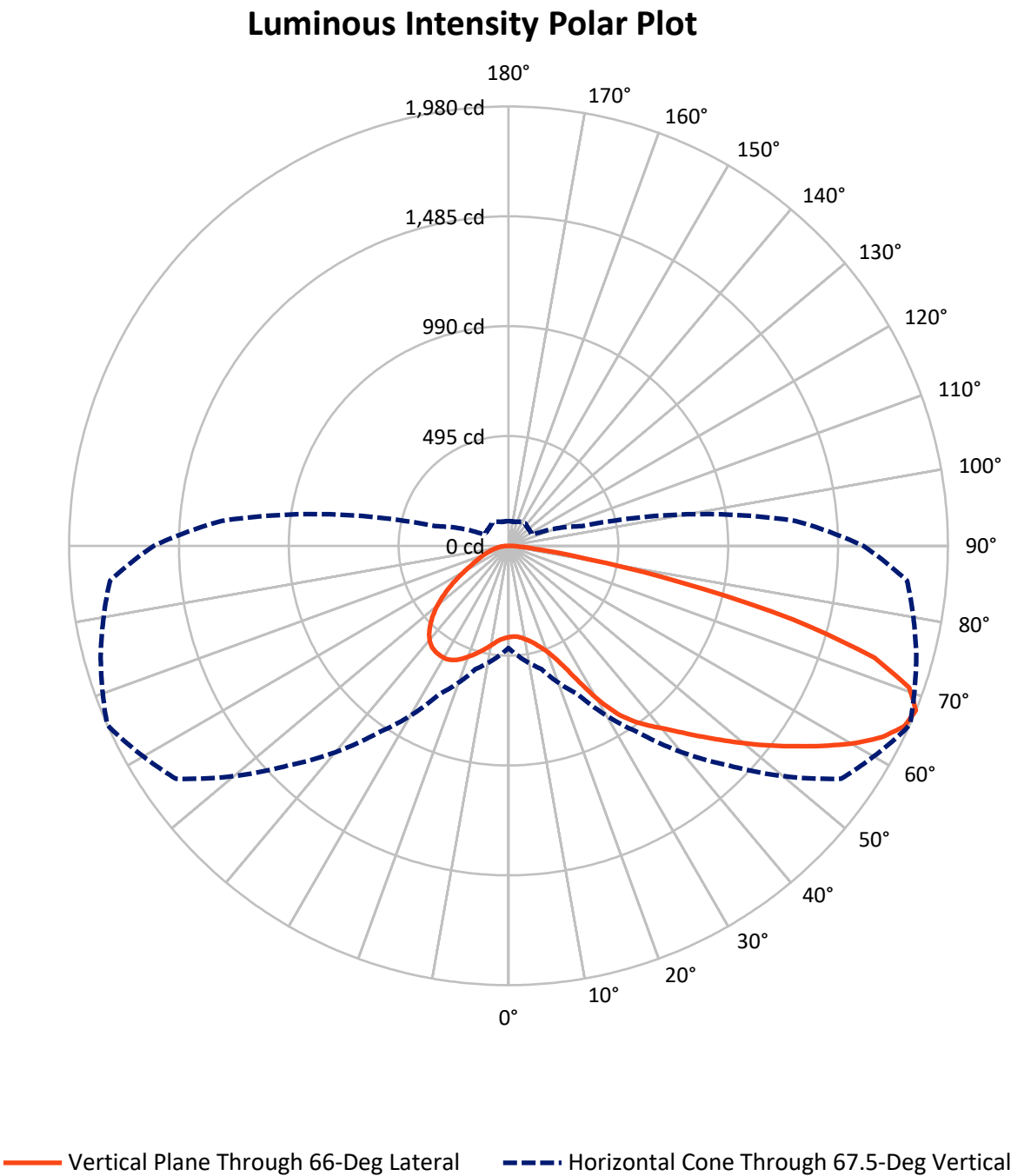


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Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type III - Short - N/A

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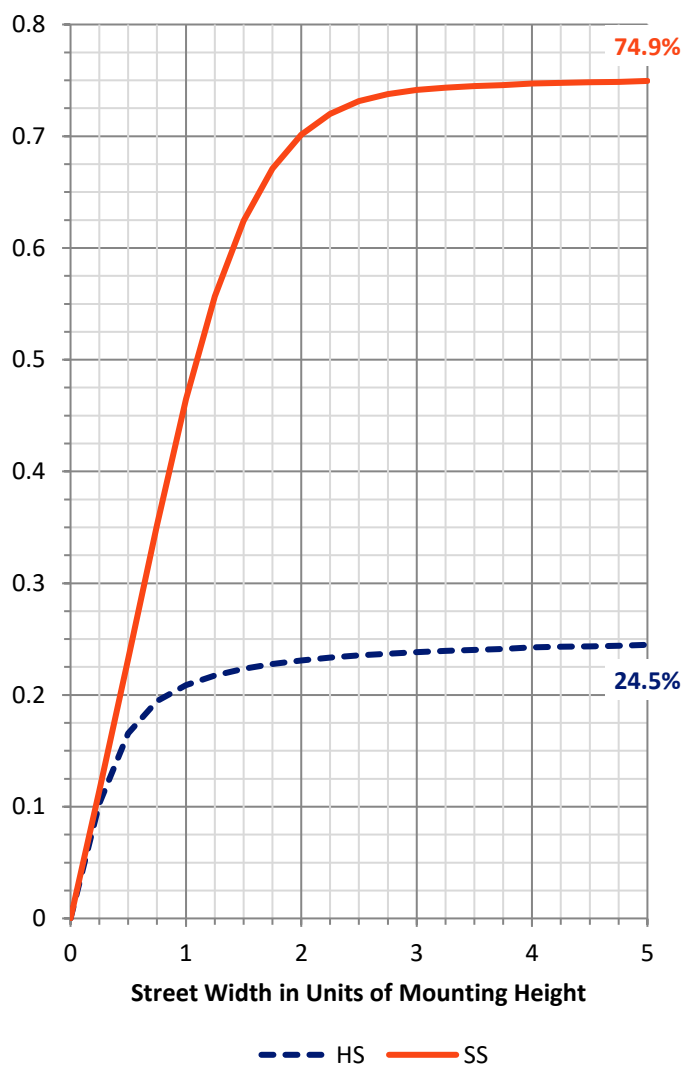
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	922.2	0.0	922.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	2786.8	0.0	2786.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	3709.0	0.0	3709.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	1.1
10°-20°	134.8	3.6
20°-30°	259.7	7.0
30°-40°	455.4	12.3
40°-50°	677.0	18.3
50°-60°	858.2	23.1
60°-70°	839.7	22.6
70°-80°	400.6	10.8
80°-90°	42.8	1.2
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°	3709.0	100.0
0°-180°	3709.0	100.0

Coefficient of Utilization



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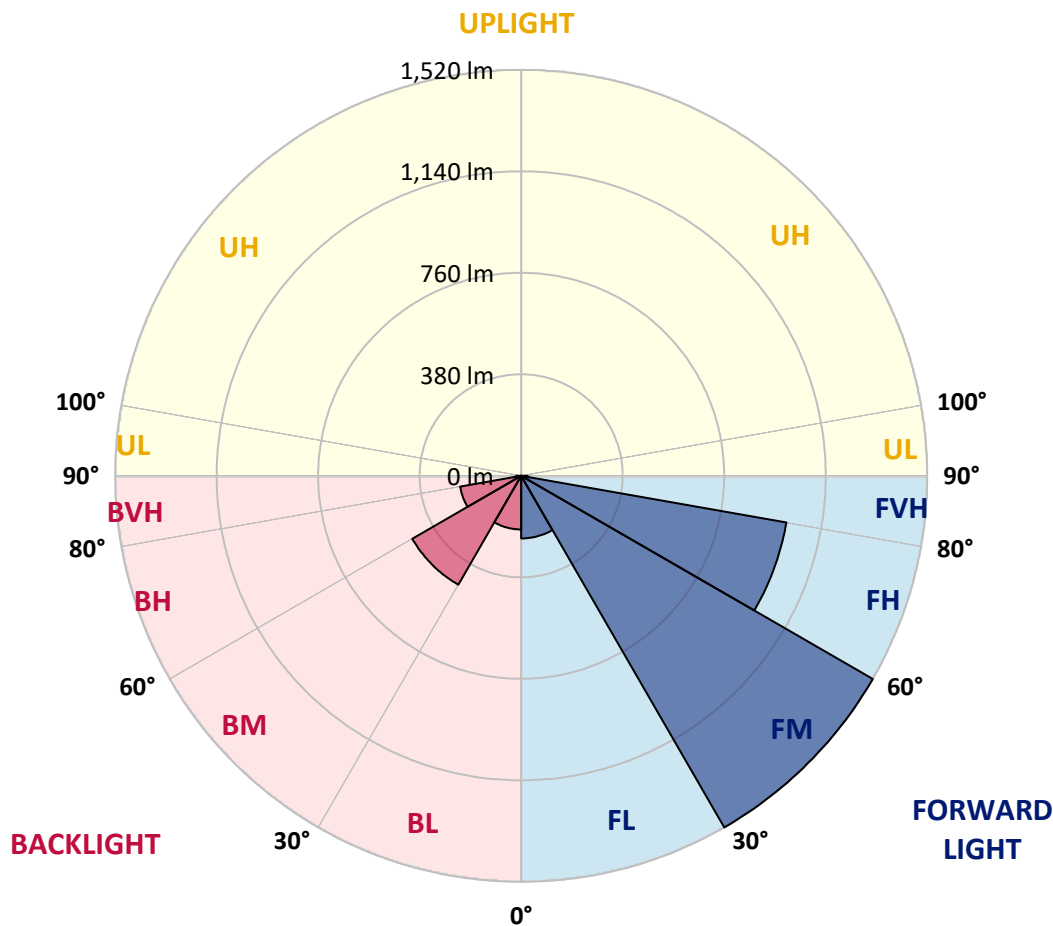
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	234.4	6.3			
FM	(30°-60°)	1519.9	41.0			
FH	(60°-80°)	1008.2	27.2			G1/1800
FVH	(80°-90°)	24.3	0.7			G1/100
BL	(0°-30°)	200.9	5.4	B1/500		
BM	(30°-60°)	470.7	12.7	B1/1000		
BH	(60°-80°)	232.1	6.3	B1/500		G1/500
BVH	(80°-90°)	18.5	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	411.4	411.4	411.4	411.4	411.4	411.4	411.4	411.4	411.4	411.4	411.4
2.5°	407.1	409.4	408.8	407.9	407.7	408.1	408.6	409.2	409.0	410.0	411.6
5°	405.9	408.3	408.1	408.1	408.8	410.4	411.4	412.4	411.4	412.5	414.7
7.5°	406.7	408.5	409.2	410.0	412.0	414.9	417.2	419.4	418.2	419.6	422.3
10°	416.6	418.0	418.8	418.8	420.1	423.5	425.8	429.7	428.7	430.9	434.4
12.5°	434.8	436.1	436.1	435.3	436.3	438.5	439.2	443.5	441.8	445.3	448.8
15°	457.0	459.7	457.6	456.2	456.6	458.7	458.5	461.8	460.1	463.0	466.1
17.5°	481.5	485.0	481.5	481.3	480.6	482.9	483.1	486.0	482.9	485.0	487.2
20°	510.6	515.4	512.5	513.5	511.7	512.7	513.7	518.0	513.1	514.7	514.1
22.5°	551.5	557.3	554.2	557.9	556.8	556.0	555.8	563.4	555.8	556.4	550.7
25°	611.1	618.1	612.7	617.7	617.7	620.3	623.2	632.9	620.3	616.6	602.0
27.5°	699.2	706.2	695.5	698.6	697.6	703.9	700.8	724.9	711.3	705.2	675.8
30°	805.2	817.7	797.4	796.6	795.7	805.6	810.1	826.1	812.2	806.2	770.7
32.5°	919.8	932.9	908.7	901.7	898.0	904.0	900.3	913.2	903.6	894.3	850.4
35°	1041.0	1053.9	1030.9	1017.2	1002.4	989.8	976.5	979.8	970.9	956.6	911.2
37.5°	1155.6	1179.2	1154.8	1140.2	1112.9	1088.2	1051.1	1035.8	1027.4	1014.3	968.5
40°	1272.3	1285.8	1267.3	1254.8	1225.2	1186.4	1127.1	1094.6	1083.3	1070.6	1031.9
42.5°	1358.3	1371.1	1361.2	1352.6	1329.4	1284.4	1207.8	1167.1	1150.7	1136.5	1103.6
45°	1426.5	1436.0	1429.8	1432.9	1423.0	1379.3	1291.4	1244.8	1227.9	1210.6	1184.6
47.5°	1453.9	1464.1	1474.0	1492.5	1509.5	1477.3	1381.3	1329.0	1311.1	1293.4	1267.8
50°	1450.8	1461.2	1490.0	1529.4	1582.0	1571.3	1476.0	1418.7	1402.1	1381.8	1358.3
52.5°	1425.9	1437.6	1474.6	1540.1	1623.9	1641.6	1572.4	1511.2	1495.7	1471.5	1447.9
55°	1360.4	1367.4	1423.0	1515.7	1633.8	1690.7	1666.9	1609.8	1594.3	1560.5	1534.8
57.5°	1239.0	1249.1	1330.0	1450.1	1608.9	1724.0	1750.0	1713.5	1698.5	1650.0	1623.1
60°	1080.6	1096.7	1189.3	1339.8	1545.3	1723.8	1825.4	1815.4	1803.0	1738.1	1710.0
62.5°	901.3	920.0	1009.1	1183.9	1434.3	1674.9	1872.5	1900.8	1894.4	1819.3	1783.5
65°	692.2	705.1	793.7	982.2	1261.4	1569.9	1878.0	1959.1	1960.2	1881.1	1821.9
67.5°	460.9	497.9	574.9	737.0	1029.9	1398.2	1830.1	1968.6	1979.9	1902.4	1802.6
70°	224.9	273.6	349.0	479.0	737.0	1134.9	1704.7	1890.3	1915.4	1840.4	1687.6
72.5°	93.3	109.1	150.2	236.4	423.1	765.9	1453.0	1677.9	1724.4	1630.7	1418.9
75°	62.9	68.2	85.9	121.2	192.7	377.7	1047.8	1251.1	1326.1	1231.6	1006.7
77.5°	48.5	51.8	62.6	84.8	114.6	142.8	560.8	754.0	792.7	733.9	523.8
80°	38.2	40.7	46.8	61.8	81.3	76.4	191.2	341.6	364.0	305.4	168.4
82.5°	33.1	34.1	33.5	41.9	54.0	44.6	62.7	126.1	139.1	100.9	55.0
85°	24.0	26.7	27.9	25.9	28.6	22.6	25.7	44.6	49.1	43.8	31.0
87.5°	9.7	14.4	17.7	16.8	10.5	6.4	8.0	13.1	15.0	16.4	10.1
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°	411.4	411.4	411.4	411.4	411.4	411.4	411.4	411.4	411.4	411.4	411.4
2.5°	411.8	413.1	414.1	415.3	416.1	417.2	419.6	420.9	421.1	422.1	421.9
5°	415.5	417.4	419.6	422.7	426.2	429.1	433.6	436.7	437.9	438.9	438.7
7.5°	423.5	426.2	430.1	435.5	440.6	444.5	450.0	453.7	457.4	458.7	458.9
10°	435.3	439.2	444.9	452.3	457.8	462.8	468.5	471.6	475.3	476.9	477.6
12.5°	450.2	454.2	461.7	472.0	477.0	480.6	482.5	481.7	482.5	483.9	484.3
15°	467.1	471.6	480.0	491.1	494.6	491.5	487.2	483.3	482.7	483.1	484.5
17.5°	487.2	490.5	500.2	509.6	507.1	494.2	484.8	478.6	475.5	474.5	475.9
20°	515.2	515.2	523.2	529.1	512.1	490.3	475.7	465.6	459.1	456.4	455.8
22.5°	549.3	546.2	551.3	547.2	511.2	479.4	459.1	441.6	431.8	427.9	427.4
25°	592.6	588.9	587.5	562.2	504.1	462.0	429.1	407.9	399.3	397.2	397.5
27.5°	657.9	648.5	630.8	570.4	491.3	434.8	394.0	374.4	369.5	369.7	370.3
30°	744.8	726.1	682.6	571.8	470.2	396.2	358.2	344.1	341.8	342.8	346.1
32.5°	825.3	807.6	735.6	565.5	437.9	358.4	326.0	316.7	313.2	314.3	315.9
35°	888.4	883.6	784.8	556.8	398.1	322.9	297.2	289.2	282.4	280.8	282.0
37.5°	948.1	946.1	821.6	544.5	358.8	297.8	274.0	263.5	253.5	248.1	248.3
40°	1013.5	1011.6	845.7	525.6	323.9	275.9	253.1	239.3	227.0	217.1	218.1
42.5°	1087.2	1075.7	857.2	498.5	294.3	257.4	236.2	217.5	201.3	192.1	192.7
45°	1167.7	1141.8	857.1	464.0	269.3	240.5	218.1	191.6	176.6	168.0	167.6
47.5°	1253.0	1204.9	846.5	425.8	245.2	221.8	190.0	169.7	159.8	154.5	153.4
50°	1341.1	1263.9	828.6	382.0	220.4	200.5	172.5	158.6	151.0	146.2	144.4
52.5°	1423.9	1317.5	807.0	332.3	195.3	179.9	164.7	153.9	146.0	140.5	138.2
55°	1500.9	1363.7	776.4	281.4	174.8	166.0	161.0	152.0	142.8	136.4	133.9
57.5°	1569.3	1393.7	723.6	233.7	160.2	156.5	157.1	148.7	138.2	132.7	129.2
60°	1626.2	1415.8	645.4	189.4	148.3	147.1	151.0	142.5	130.2	123.9	121.2
62.5°	1660.3	1415.4	549.5	155.1	138.2	138.6	143.0	134.7	122.2	116.3	114.6
65°	1657.4	1380.7	444.3	132.7	128.4	128.8	134.7	126.1	115.6	112.1	111.9
67.5°	1598.7	1296.1	340.8	118.1	117.7	119.5	126.3	120.2	111.5	111.1	111.7
70°	1439.9	1120.5	245.5	106.4	106.6	109.1	118.1	116.5	109.3	110.1	109.9
72.5°	1154.6	854.3	164.9	94.1	94.3	98.4	110.3	113.6	107.2	117.5	119.1
75°	769.0	532.8	106.0	81.1	81.3	86.5	103.5	108.0	101.3	117.1	118.1
77.5°	369.5	239.5	76.8	68.2	68.2	73.1	89.4	96.7	86.3	91.0	83.4
80°	127.6	90.0	60.4	55.0	53.8	57.1	75.4	83.8	74.4	68.6	64.3
82.5°	50.3	46.8	48.5	42.7	38.8	40.9	58.7	69.2	54.8	49.5	49.3
85°	28.8	30.4	34.3	28.3	22.4	25.1	43.1	49.7	41.3	36.4	37.2
87.5°	7.8	10.7	15.8	14.6	10.1	10.7	20.5	27.5	23.8	18.3	18.9
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)