

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: P938882

Luminaire Tested: **GALN-SB1B-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938882
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4613 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

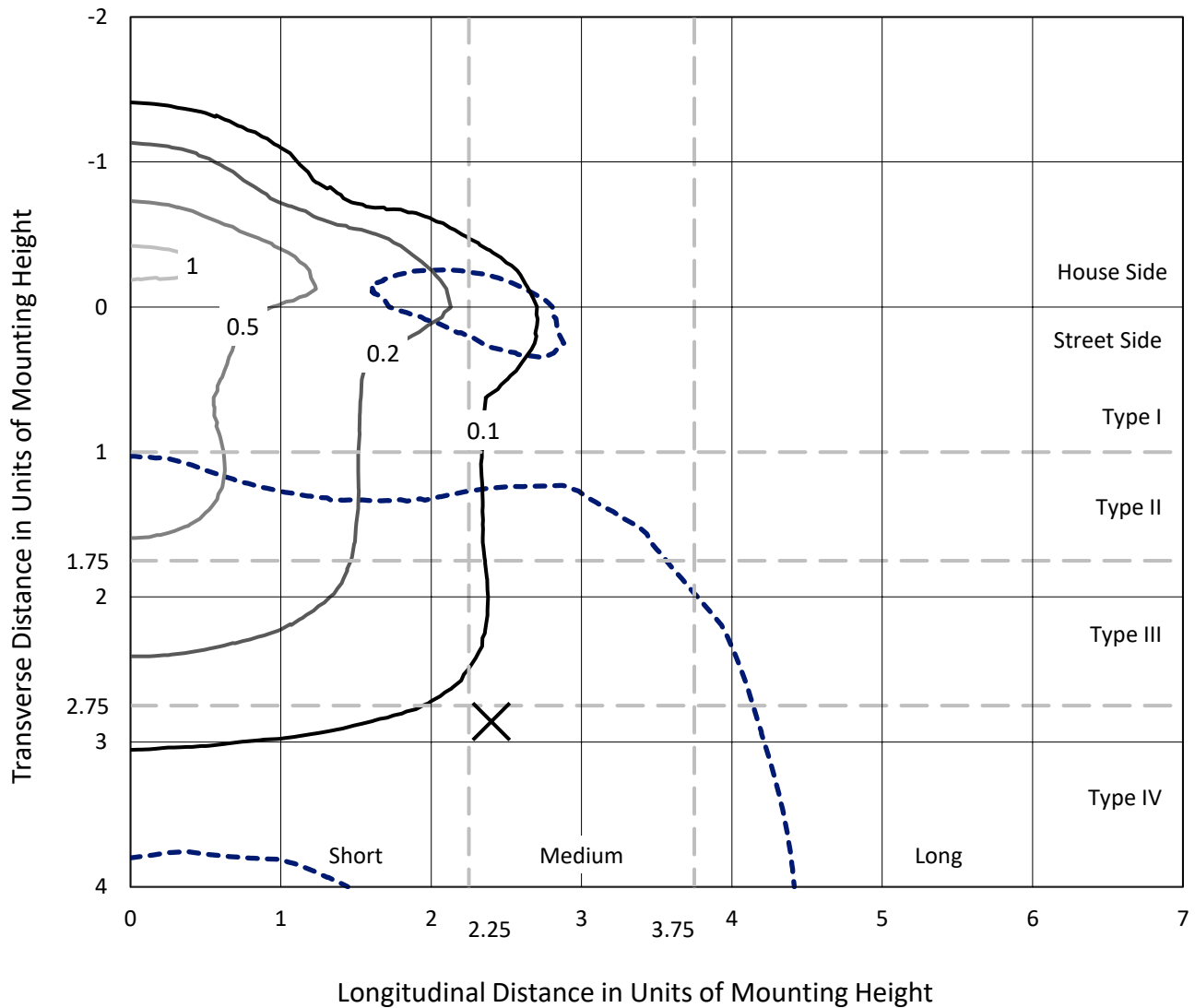
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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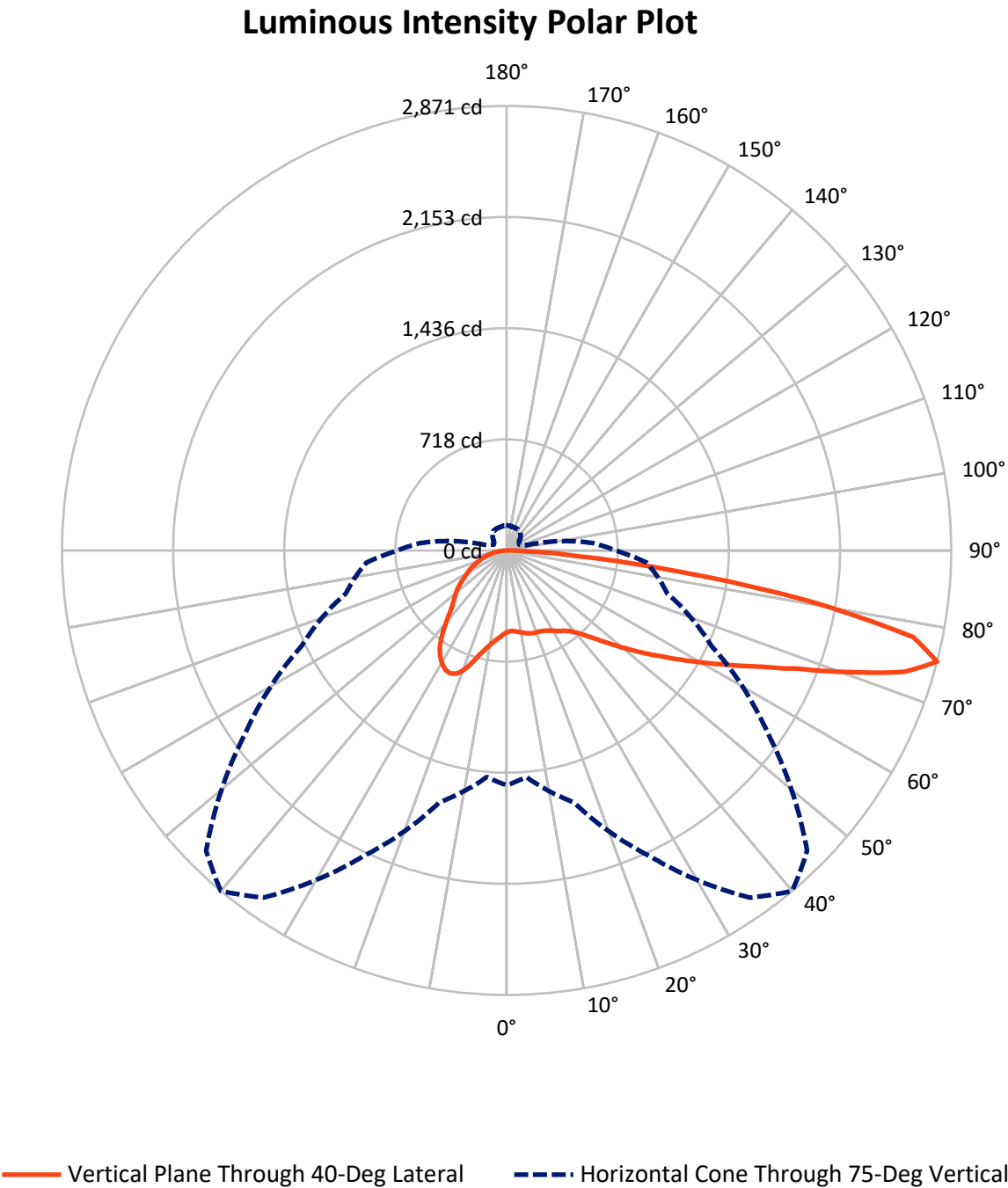
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



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

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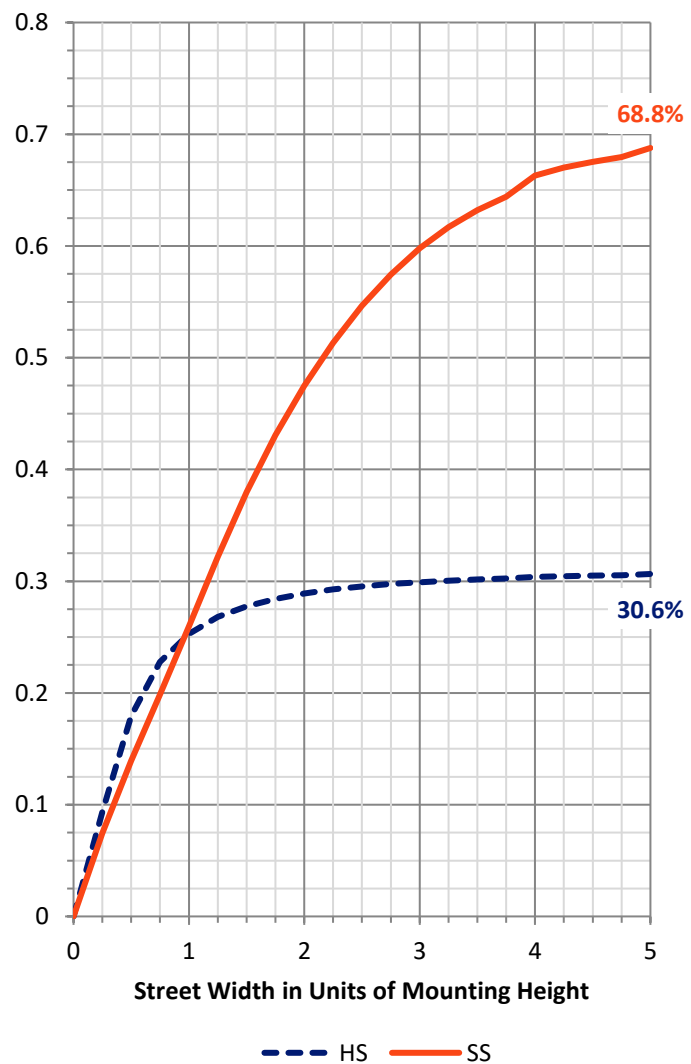
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1429.3	0.0	1429.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	3183.7	0.0	3183.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	4613.0	0.0	4613.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	1.1
10°-20°	176.8	3.8
20°-30°	322.8	7.0
30°-40°	457.8	9.9
40°-50°	618.2	13.4
50°-60°	831.6	18.0
60°-70°	1055.5	22.9
70°-80°	958.0	20.8
80°-90°	139.6	3.0
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°	4613.0	100.0
0°-180°	4613.0	100.0

Coefficient of Utilization



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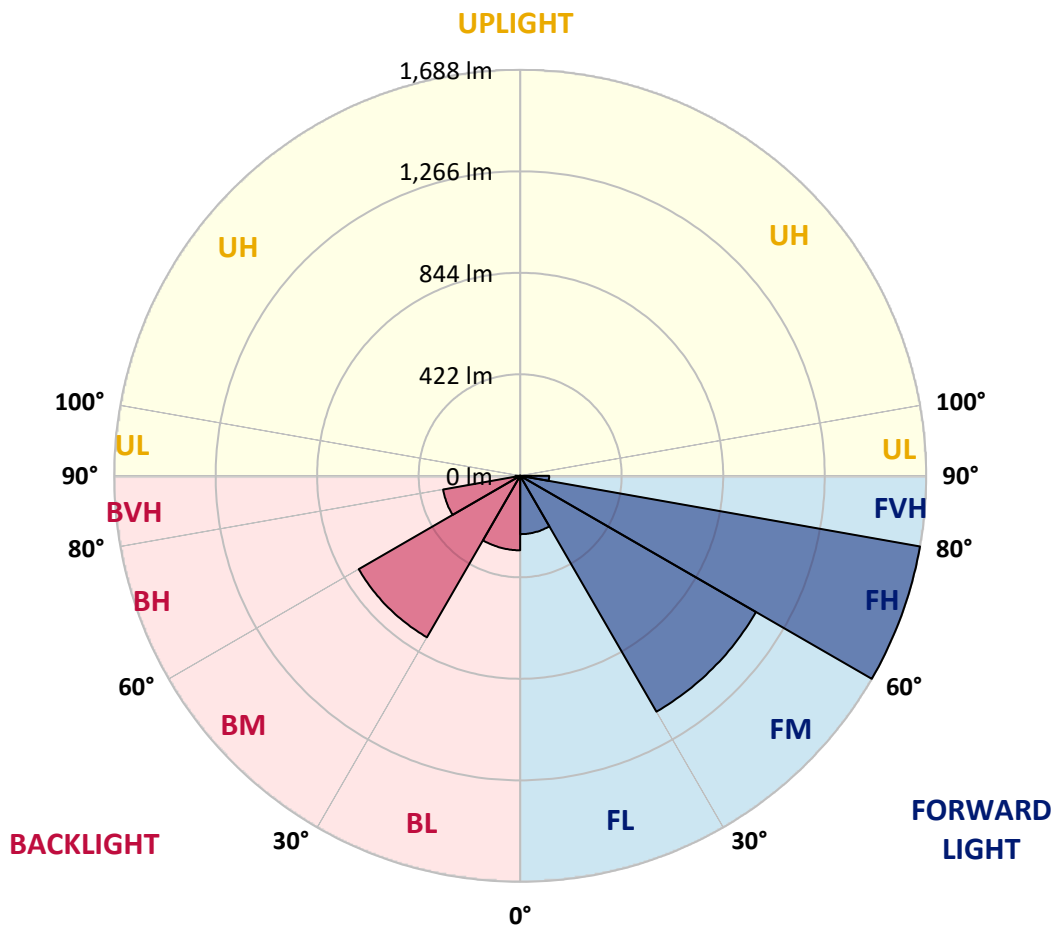
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	242.6	5.3			
FM	(30°-60°)	1132.4	24.5			
FH	(60°-80°)	1688.3	36.6			G1/1800
FVH	(80°-90°)	120.4	2.6			G2/225
BL	(0°-30°)	309.6	6.7	B1/500		
BM	(30°-60°)	775.2	16.8	B1/1000		
BH	(60°-80°)	325.2	7.0	B1/500		G1/500
BVH	(80°-90°)	19.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5
2.5°	519.4	522.4	521.6	520.7	520.7	520.9	520.7	522.4	524.1	525.8	528.5
5°	524.8	527.7	526.3	525.1	524.1	523.8	523.1	522.9	523.8	526.0	529.7
7.5°	535.3	538.3	536.1	533.9	531.9	530.9	529.9	528.5	527.7	529.0	534.1
10°	547.1	550.0	547.3	543.4	540.2	539.0	538.0	536.6	535.6	536.3	541.9
12.5°	558.8	561.8	558.1	552.7	548.5	547.8	546.6	546.1	545.9	545.6	551.2
15°	569.8	572.3	567.6	561.3	556.9	555.6	554.4	555.2	556.4	557.8	564.2
17.5°	578.4	580.8	574.0	565.7	561.5	561.0	560.3	562.7	566.2	569.8	577.7
20°	586.2	588.7	579.9	568.6	563.7	563.7	564.0	569.1	574.0	579.4	590.1
22.5°	597.2	599.2	588.4	573.0	565.9	566.4	568.4	573.5	579.6	587.0	601.9
25°	613.6	615.1	601.9	581.3	573.3	574.7	576.4	578.9	584.8	593.3	613.4
27.5°	640.0	641.3	623.9	596.0	583.8	586.2	588.7	587.0	589.6	597.0	622.7
30°	677.2	678.0	656.0	619.0	601.6	602.9	603.3	596.3	591.1	597.0	629.3
32.5°	721.3	721.0	694.9	646.9	621.9	620.7	616.6	602.6	590.6	595.8	635.2
35°	789.5	786.9	753.1	686.0	644.9	637.4	627.6	609.7	593.1	594.5	640.3
37.5°	902.6	894.3	847.5	750.1	679.2	659.9	645.4	621.2	598.5	594.1	646.4
40°	1030.0	1019.5	968.1	838.0	730.6	699.5	676.3	637.6	607.3	596.3	655.5
42.5°	1181.3	1166.3	1111.0	941.5	795.7	750.6	715.7	658.4	620.2	603.3	667.7
45°	1367.0	1347.1	1268.8	1058.2	877.6	817.7	770.9	690.0	640.0	617.1	686.0
47.5°	1554.6	1559.5	1448.2	1191.8	976.0	900.4	840.2	737.4	668.9	639.1	715.7
50°	1754.0	1757.4	1626.5	1339.8	1087.5	993.8	918.0	790.5	709.0	670.4	759.9
52.5°	1909.6	1910.1	1788.5	1494.7	1203.8	1096.6	1001.9	851.2	755.5	712.0	818.9
55°	2007.0	2005.8	1902.0	1641.2	1337.4	1204.5	1094.9	920.2	812.3	760.9	893.0
57.5°	2077.7	2074.0	1980.3	1767.2	1479.7	1332.0	1200.1	998.5	879.3	819.1	990.7
60°	2104.6	2102.4	2033.4	1876.1	1629.5	1472.9	1321.4	1086.1	955.4	887.9	1116.2
62.5°	2114.9	2119.1	2085.5	1981.6	1789.7	1629.0	1454.8	1190.8	1041.1	965.7	1248.5
65°	2151.1	2158.7	2151.8	2119.6	1970.8	1811.8	1631.7	1315.3	1134.5	1049.1	1386.8
67.5°	2222.8	2230.4	2233.3	2284.7	2192.0	2039.5	1852.4	1470.5	1243.9	1135.7	1490.8
70°	2221.1	2218.9	2270.8	2416.1	2468.9	2354.9	2149.9	1661.3	1374.3	1207.7	1504.0
72.5°	2021.7	2004.1	2126.6	2414.6	2699.4	2684.2	2513.2	1907.4	1486.8	1216.5	1305.1
75°	1516.7	1469.7	1686.2	2176.1	2737.8	2871.2	2744.2	2060.1	1460.2	1074.8	908.2
77.5°	648.6	601.4	856.6	1610.9	2450.3	2684.0	2532.3	1797.3	1165.6	710.8	446.0
80°	169.8	169.6	258.9	730.3	1666.4	1982.0	1738.9	1160.7	666.0	254.0	123.1
82.5°	70.2	68.5	95.2	284.1	814.3	1112.3	907.7	517.7	240.5	68.8	40.9
85°	26.2	25.9	46.2	98.1	287.2	458.8	332.0	132.4	59.9	33.5	18.4
87.5°	7.3	7.1	10.0	34.0	70.0	106.2	56.8	21.8	16.9	13.2	5.4
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°	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5	527.5
2.5°	529.2	530.4	532.6	534.4	536.6	539.0	542.4	544.6	546.8	548.3	547.3
5°	531.4	534.1	539.7	545.4	552.0	558.1	565.2	570.3	574.5	575.7	576.2
7.5°	536.3	540.7	550.3	559.8	570.3	580.4	590.6	599.4	606.5	609.2	609.5
10°	544.9	550.7	564.2	577.7	591.6	607.0	620.2	633.0	643.0	647.1	647.4
12.5°	555.6	563.0	580.6	599.2	618.5	639.8	656.9	672.6	685.1	690.7	690.7
15°	569.6	579.1	601.6	626.6	655.0	684.6	706.4	723.7	737.7	744.5	744.0
17.5°	584.8	597.5	625.9	663.5	704.2	743.1	768.5	781.2	795.7	802.3	802.0
20°	599.4	615.1	655.7	710.5	764.6	805.9	826.5	829.9	830.9	831.6	833.6
22.5°	614.6	635.6	693.1	769.7	827.7	856.3	859.3	844.6	824.0	814.5	817.2
25°	631.2	659.1	742.1	835.0	882.0	885.5	862.9	827.2	788.3	770.5	773.1
27.5°	647.4	686.3	800.8	897.4	921.2	891.1	842.6	792.0	745.0	726.2	728.4
30°	663.5	717.4	865.6	952.0	939.0	877.1	810.6	754.1	706.8	687.0	689.2
32.5°	679.9	753.6	940.3	991.4	935.9	847.5	770.7	711.5	669.9	649.1	651.8
35°	698.5	798.1	1011.0	1012.9	914.6	804.0	718.1	660.6	624.4	607.8	611.4
37.5°	722.7	854.6	1073.4	1018.3	877.4	740.1	652.8	600.4	570.6	563.0	568.4
40°	752.8	922.6	1121.1	1009.7	822.3	662.6	581.3	539.5	522.6	524.3	530.2
42.5°	792.0	998.7	1154.6	987.7	745.7	582.6	518.7	500.1	508.2	515.0	521.4
45°	842.9	1077.8	1175.4	950.3	659.1	514.8	481.7	486.2	492.3	493.0	497.9
47.5°	908.0	1157.8	1189.1	893.8	570.8	467.1	458.3	459.2	458.0	452.9	456.8
50°	989.2	1235.6	1201.3	818.9	495.7	437.2	425.5	422.1	405.2	388.5	390.7
52.5°	1081.7	1307.0	1206.5	725.9	437.2	412.3	393.2	371.6	340.1	334.9	336.7
55°	1184.4	1373.1	1193.2	611.7	388.0	380.2	351.3	325.4	322.0	317.6	318.3
57.5°	1307.3	1444.3	1166.3	484.2	337.6	342.8	314.6	317.6	311.5	304.6	303.4
60°	1441.6	1517.9	1119.1	368.0	285.5	296.0	305.1	304.9	303.1	297.5	295.6
62.5°	1562.4	1566.4	1026.1	281.9	239.8	259.8	284.5	284.3	282.8	279.7	278.4
65°	1634.4	1559.0	871.0	221.9	202.1	230.0	256.7	258.6	258.9	258.6	258.6
67.5°	1621.7	1473.1	658.2	176.6	171.0	199.6	229.0	231.7	233.7	234.1	234.6
70°	1477.8	1284.5	429.1	140.9	143.4	173.0	202.8	205.5	207.2	209.2	210.2
72.5°	1151.9	944.4	245.6	114.0	119.2	150.0	176.9	180.1	181.1	184.7	186.2
75°	702.0	555.4	132.6	89.8	97.9	128.2	151.2	154.9	156.6	161.0	161.5
77.5°	333.7	240.5	75.6	70.0	78.8	104.7	127.7	131.9	127.2	129.7	127.7
80°	112.8	89.3	47.7	53.3	60.2	81.7	102.3	106.4	96.6	96.2	95.2
82.5°	39.4	36.2	30.3	35.5	38.9	58.5	77.3	82.7	71.9	71.7	68.3
85°	15.4	14.7	16.9	19.3	23.2	36.0	50.9	53.6	44.3	35.7	35.2
87.5°	3.2	3.4	4.2	4.4	7.1	12.5	18.4	22.5	17.9	15.2	13.9
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)