

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: P946633

Luminaire Tested: **GALN-SB2B-722-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946633  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB2B-722-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

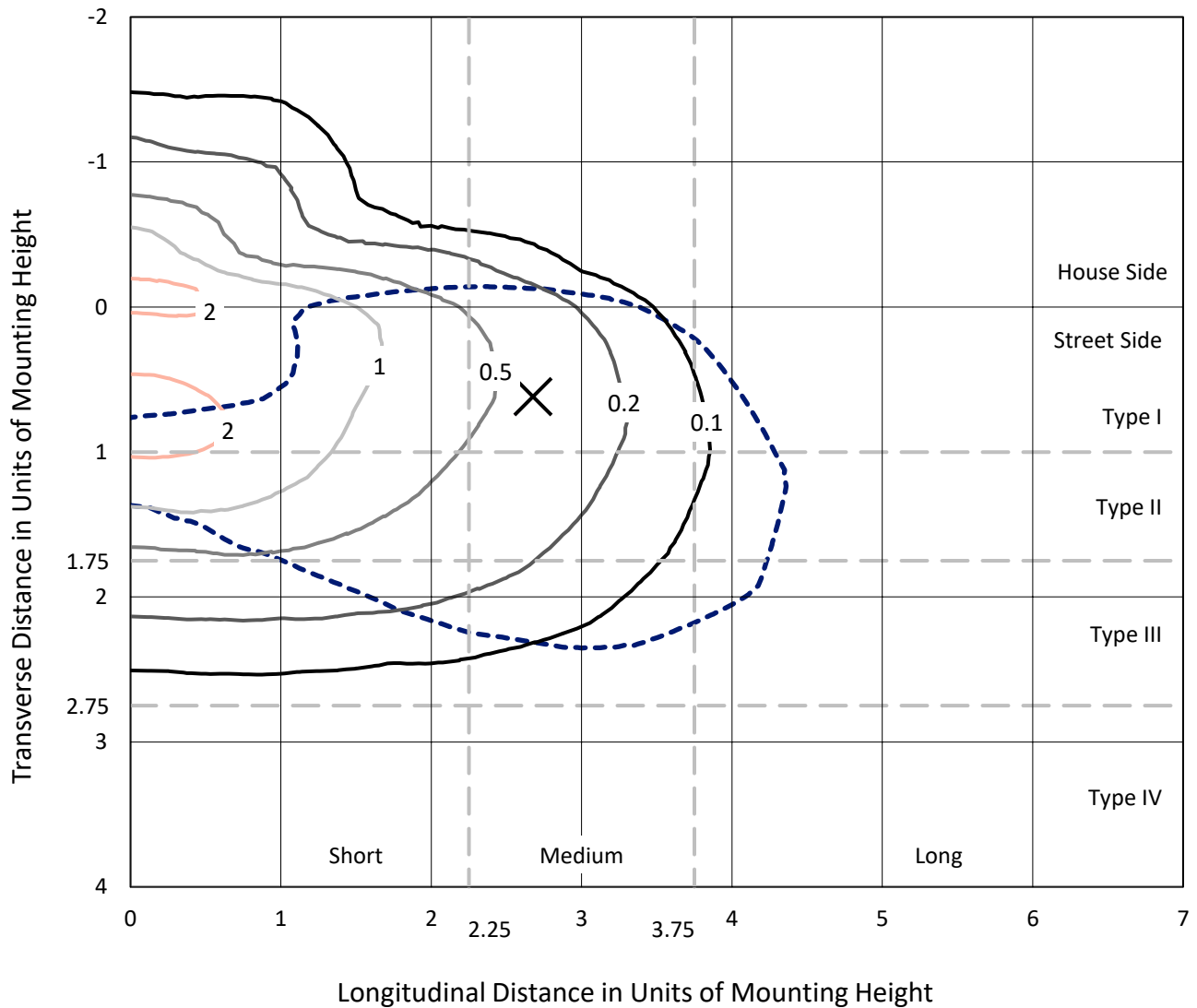
Lumens per Lamp: N/A  
Luminaire Lumens: 9550 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

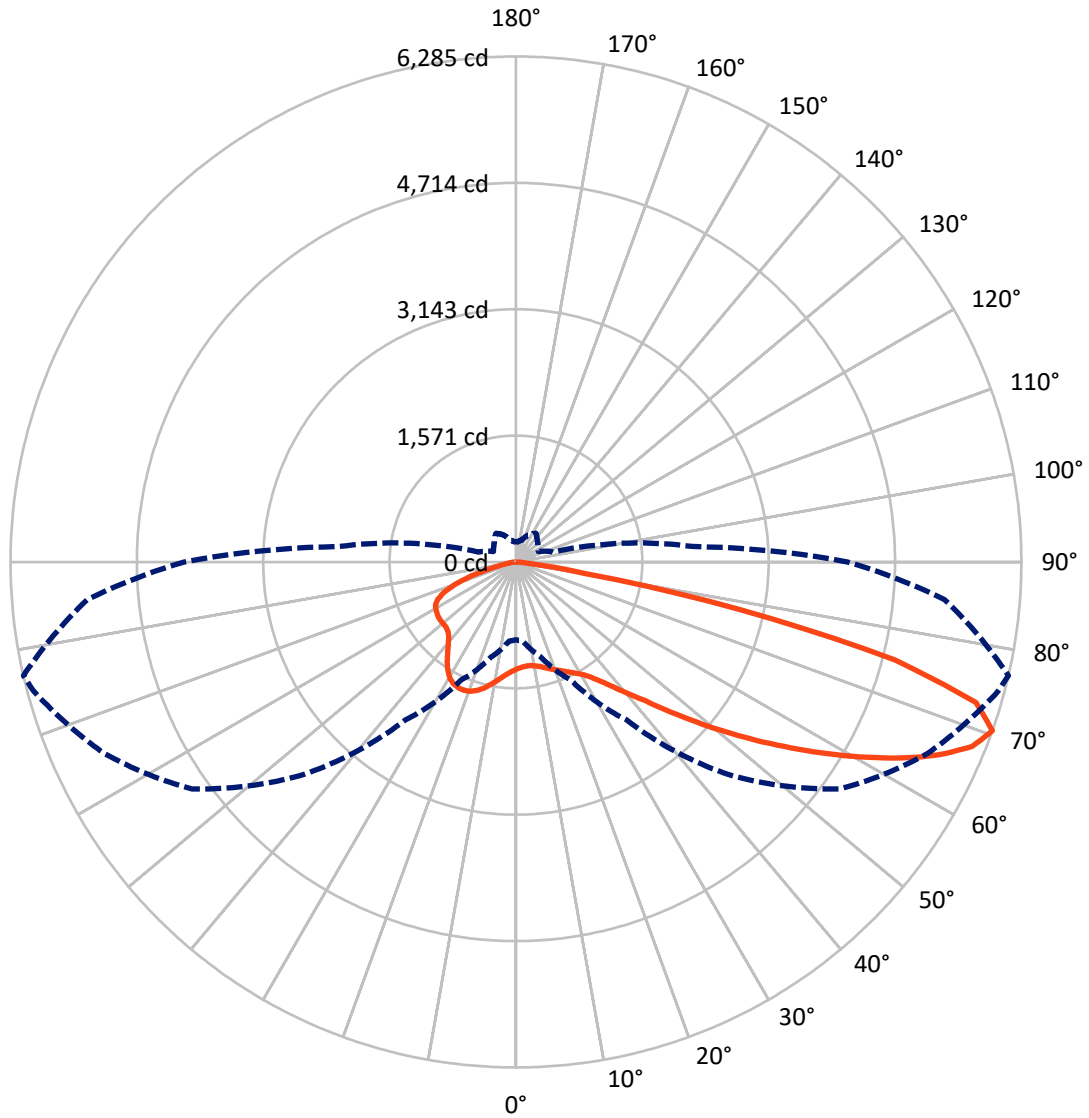
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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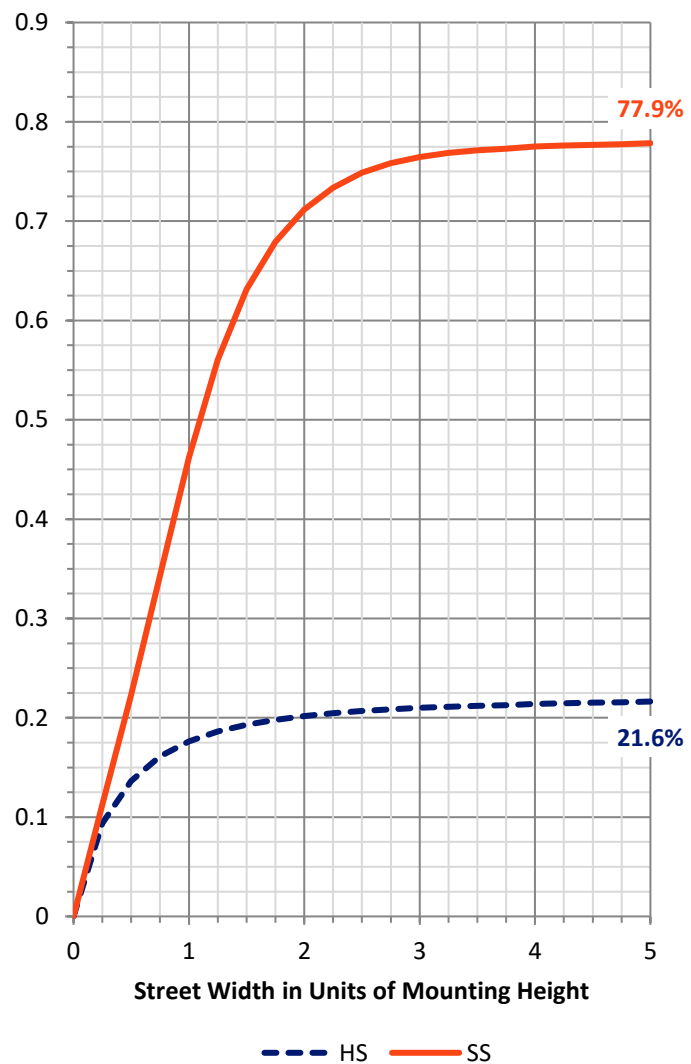
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2091.3	0.0	2091.3
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	7458.7	0.0	7458.7
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	9550.0	0.0	9550.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.1	1.3
10°-20°	366.7	3.8
20°-30°	627.2	6.6
30°-40°	1008.5	10.6
40°-50°	1574.6	16.5
50°-60°	2103.3	22.0
60°-70°	2241.7	23.5
70°-80°	1380.0	14.5
80°-90°	120.9	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°	9550.0	100.0
0°-180°	9550.0	100.0

**Coefficient of Utilization**



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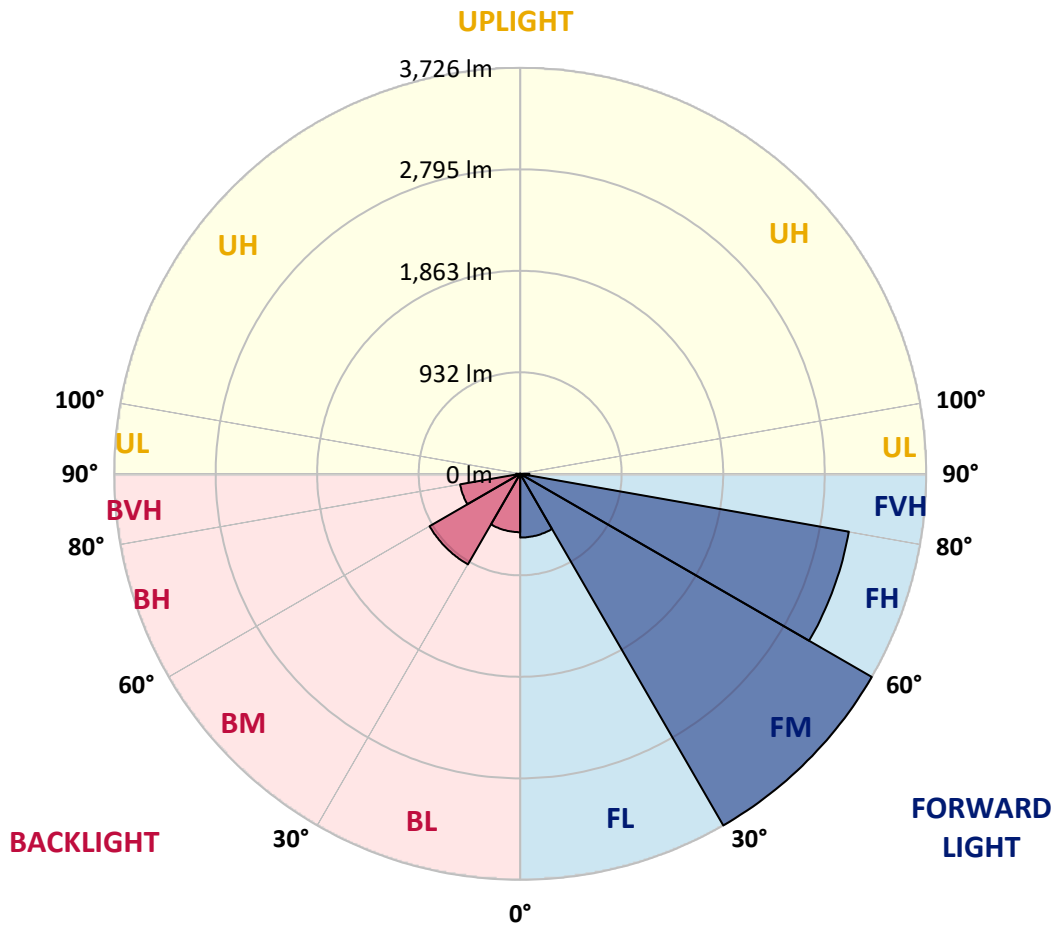
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	585.1	6.1			
FM (30°-60°)	3726.2	39.0			
FH (60°-80°)	3062.8	32.1			G2/5000
FVH (80°-90°)	84.6	0.9			G1/100
BL (0°-30°)	535.9	5.6	B2/1000		
BM (30°-60°)	960.2	10.1	B1/1000		
BH (60°-80°)	558.9	5.9	B2/1000		G2/1000
BVH (80°-90°)	36.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3
2.5°	1228.1	1227.6	1234.0	1236.0	1247.7	1256.0	1271.7	1288.3	1309.8	1312.3	1325.5
5°	1157.2	1157.2	1164.6	1172.4	1187.5	1204.2	1228.1	1257.0	1294.2	1300.0	1332.8
7.5°	1097.1	1101.0	1107.3	1122.5	1140.1	1164.1	1200.7	1241.8	1290.7	1300.0	1352.9
10°	1048.6	1053.0	1060.9	1073.1	1099.5	1132.8	1180.7	1233.5	1299.1	1313.7	1382.2
12.5°	1033.5	1037.9	1042.3	1051.6	1076.0	1115.2	1172.4	1237.4	1319.1	1333.8	1422.3
15°	1068.7	1074.1	1070.6	1068.2	1080.9	1116.6	1176.3	1251.6	1344.1	1365.1	1471.7
17.5°	1149.9	1151.8	1144.0	1121.0	1119.1	1138.1	1194.9	1271.2	1375.4	1398.3	1521.6
20°	1281.0	1277.5	1261.4	1215.9	1190.0	1186.1	1226.7	1300.5	1407.6	1432.1	1575.4
22.5°	1459.0	1455.1	1422.8	1350.9	1293.2	1255.0	1272.6	1338.7	1443.8	1471.2	1627.7
25°	1681.0	1675.7	1628.2	1530.4	1440.9	1346.5	1335.2	1389.0	1488.3	1513.8	1682.5
27.5°	1940.3	1935.9	1884.5	1755.4	1626.3	1471.7	1413.0	1448.2	1534.8	1563.7	1744.1
30°	2219.1	2231.8	2140.8	2001.9	1838.5	1635.1	1517.7	1521.1	1595.0	1620.9	1819.0
32.5°	2546.8	2568.8	2459.2	2283.1	2060.1	1812.6	1649.7	1622.8	1682.5	1704.0	1913.4
35°	2871.5	2896.5	2805.5	2610.8	2354.0	2021.9	1787.7	1739.7	1798.9	1822.4	2038.6
37.5°	3152.3	3185.5	3138.6	2969.3	2668.5	2274.3	1967.7	1877.2	1942.2	1971.6	2206.8
40°	3373.8	3424.7	3421.3	3315.6	3039.3	2580.5	2196.1	2046.9	2120.3	2152.0	2410.8
42.5°	3553.8	3597.8	3636.0	3630.6	3426.2	2928.2	2464.6	2267.5	2323.2	2359.9	2640.2
45°	3678.0	3725.0	3807.2	3895.7	3798.4	3300.5	2772.2	2529.1	2580.0	2635.3	2913.6
47.5°	3789.1	3842.4	3949.0	4089.4	4114.3	3674.1	3109.2	2833.9	2880.3	2937.5	3188.0
50°	3798.9	3844.8	4010.1	4209.2	4338.8	4033.1	3471.2	3175.7	3219.3	3280.4	3481.9
52.5°	3562.6	3635.0	3923.6	4205.8	4442.0	4333.4	3830.6	3531.3	3580.2	3653.6	3786.1
55°	2765.4	2871.5	3669.7	4074.7	4405.3	4527.6	4172.5	3909.4	3972.0	4048.8	4092.3
57.5°	2381.9	2428.4	2913.1	3836.0	4238.1	4578.0	4461.1	4291.4	4392.1	4476.3	4416.1
60°	2140.8	2179.4	2466.0	3464.8	4018.0	4498.3	4684.1	4647.4	4821.6	4921.8	4747.2
62.5°	1882.6	1919.2	2179.9	2893.0	3736.2	4365.7	4825.0	4976.1	5261.8	5371.3	5059.3
65°	1626.3	1657.6	1907.5	2430.8	3378.2	4233.2	4897.9	5260.3	5669.2	5782.6	5318.5
67.5°	1340.6	1366.5	1602.8	2050.8	2942.9	4051.7	4934.1	5483.8	6023.8	6121.1	5446.6
70°	967.4	987.5	1231.6	1621.9	2396.6	3739.7	4919.4	5642.3	6207.7	6285.4	5349.8
72.5°	457.3	475.4	762.0	1053.0	1692.8	3132.2	4622.5	5516.6	6020.8	5982.2	4757.0
75°	244.1	259.7	437.7	577.6	894.1	2147.2	3782.7	4752.1	5055.8	4868.0	3515.7
77.5°	165.3	177.5	271.0	346.8	408.4	1019.3	2431.3	3290.2	3165.5	2855.4	1760.8
80°	131.1	143.8	222.1	234.8	197.6	368.3	1004.6	1523.1	1094.1	875.0	500.8
82.5°	100.8	114.9	186.8	170.2	107.6	151.1	292.5	481.8	280.3	213.2	121.3
85°	61.6	76.8	146.7	108.6	60.6	69.0	99.3	134.0	85.6	71.4	43.5
87.5°	31.3	44.0	74.3	39.6	27.4	16.1	26.4	26.4	22.5	19.6	11.2
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°	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3
2.5°	1337.2	1347.0	1363.6	1379.3	1391.5	1403.2	1415.0	1421.3	1423.3	1431.1	1435.5
5°	1352.9	1371.0	1403.2	1433.6	1452.6	1464.4	1472.7	1477.6	1478.6	1481.0	1484.9
7.5°	1381.7	1410.6	1455.6	1485.9	1500.1	1499.1	1495.7	1483.4	1478.6	1474.2	1475.1
10°	1422.3	1460.5	1515.7	1536.8	1528.0	1504.5	1474.2	1438.4	1421.8	1405.7	1400.8
12.5°	1472.7	1521.1	1575.4	1574.4	1530.9	1470.7	1400.3	1345.5	1310.8	1285.8	1280.0
15°	1533.8	1589.6	1631.2	1597.9	1502.5	1394.4	1291.2	1219.8	1188.5	1161.1	1158.2
17.5°	1596.9	1656.6	1675.7	1590.6	1431.1	1281.4	1164.6	1108.3	1077.5	1062.8	1067.2
20°	1658.5	1717.7	1702.1	1548.5	1322.5	1153.3	1049.1	1018.3	1012.0	1015.4	1013.9
22.5°	1723.6	1776.4	1707.5	1467.3	1184.1	1022.2	965.0	966.0	980.2	990.4	992.9
25°	1790.1	1825.8	1693.3	1349.9	1035.4	925.9	911.7	927.3	955.2	975.3	980.6
27.5°	1854.2	1869.8	1662.5	1204.7	907.8	856.9	859.4	891.6	933.7	961.6	968.4
30°	1926.6	1909.0	1603.3	1041.3	819.2	797.7	818.3	855.9	898.0	922.9	928.8
32.5°	2008.3	1942.7	1509.4	890.2	756.6	750.3	784.0	808.5	827.1	834.4	838.3
35°	2110.0	1990.2	1389.0	784.0	700.4	715.6	747.8	735.6	728.3	724.4	728.3
37.5°	2242.0	2054.2	1248.2	715.1	654.9	690.6	703.8	665.7	636.8	622.6	626.0
40°	2401.0	2148.1	1112.7	661.8	626.0	669.1	646.1	600.1	563.4	543.4	544.9
42.5°	2577.6	2246.4	998.7	621.6	609.9	651.5	603.6	548.8	489.6	483.2	489.6
45°	2762.9	2347.7	921.0	590.8	602.1	636.3	579.1	490.6	448.5	474.4	488.1
47.5°	2948.3	2440.6	874.0	567.8	598.2	619.2	557.6	458.3	428.5	466.1	483.7
50°	3154.7	2523.8	853.0	551.2	593.8	612.4	525.3	450.0	407.4	432.4	451.0
52.5°	3359.6	2588.3	837.3	534.6	587.4	607.0	509.6	440.2	382.0	383.5	393.7
55°	3564.1	2630.4	820.2	512.6	573.2	595.2	508.2	429.4	362.9	356.1	361.0
57.5°	3782.2	2654.4	799.2	488.1	548.8	565.4	506.7	421.1	357.0	345.8	347.3
60°	4004.3	2689.6	771.8	458.3	516.0	529.7	503.3	418.2	353.6	334.5	336.0
62.5°	4203.3	2701.8	739.0	429.9	473.9	494.5	495.9	415.7	344.3	311.6	311.6
65°	4333.9	2649.0	681.8	397.6	428.5	458.3	481.8	407.4	327.7	294.9	294.9
67.5°	4328.5	2498.3	592.3	356.1	384.4	418.2	461.2	393.2	307.6	274.4	275.9
70°	4127.0	2201.0	478.8	307.6	336.0	375.1	434.8	372.2	283.7	251.9	254.8
72.5°	3539.6	1722.6	347.8	250.9	279.8	330.6	400.6	346.8	259.2	231.8	230.4
75°	2528.7	1090.2	235.7	192.7	217.7	280.3	358.0	316.9	236.7	232.8	219.6
77.5°	1291.7	520.9	156.0	140.9	151.6	221.1	300.8	283.2	240.1	192.2	171.2
80°	420.1	192.2	98.3	95.9	100.8	147.2	232.8	232.3	181.9	130.6	115.4
82.5°	134.0	82.7	64.1	61.6	59.2	92.4	162.4	183.9	122.8	82.7	82.2
85°	53.3	49.4	37.7	34.7	24.9	43.5	85.1	122.3	91.5	59.7	61.1
87.5°	19.6	19.6	10.3	7.3	5.4	14.7	23.0	36.7	52.3	30.8	30.3
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)