

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: P940075

Luminaire Tested: **GALN-SB3A-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940075
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-SB3A-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11016 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 84.7
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

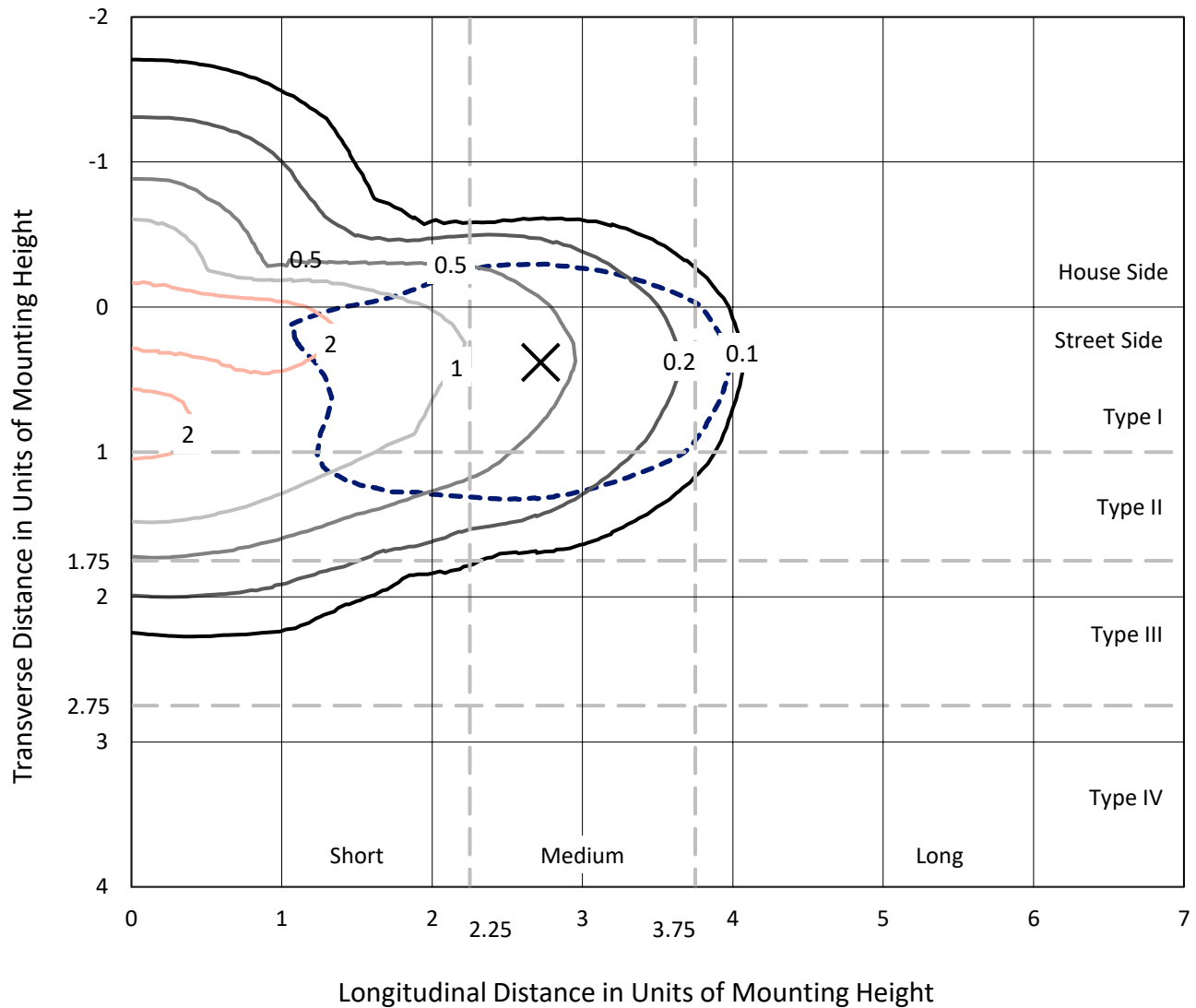


REPORT NUMBER: P940075

CATALOG NUMBER: GALN-SB3A-722-U-T2

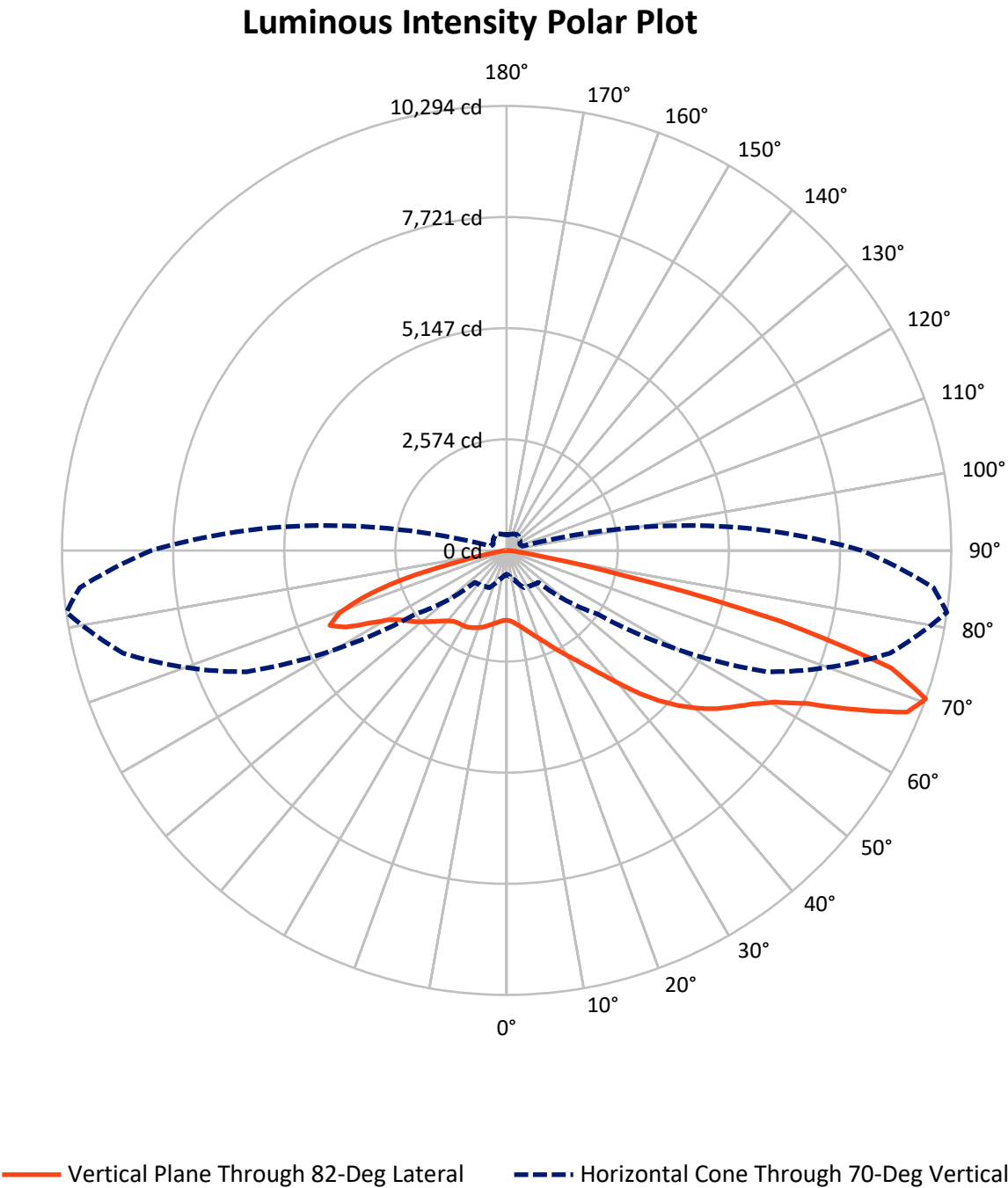
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
Type II - Medium - N/A

REPORT NUMBER: P940075
CATALOG NUMBER: GALN-SB3A-722-U-T2



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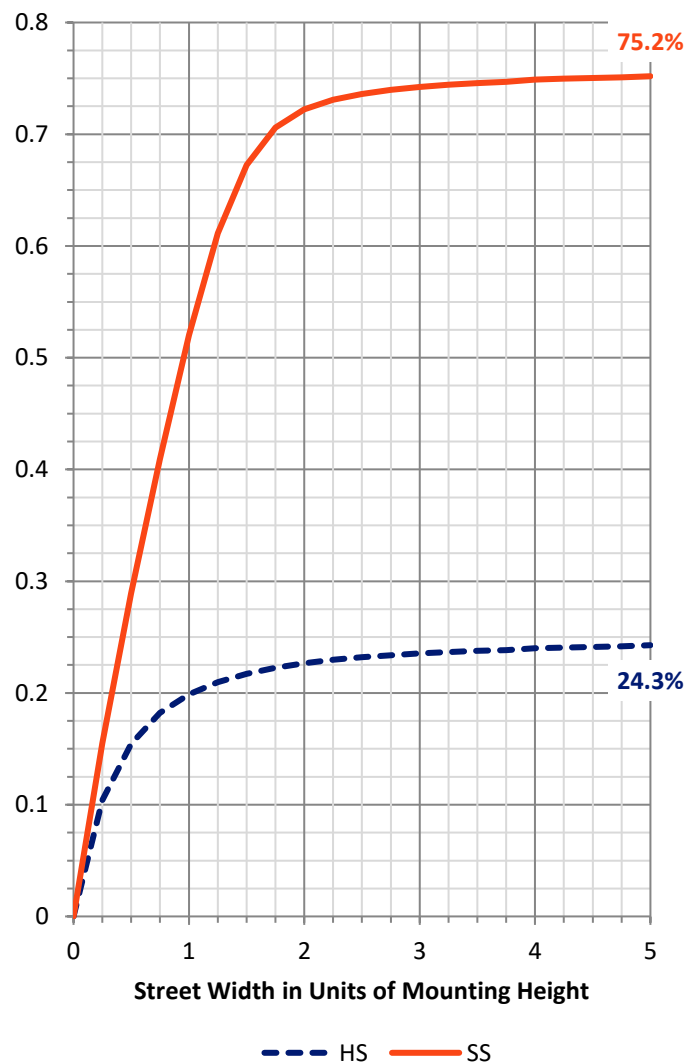
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2715.7	0.0	2715.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	8300.3	0.0	8300.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	11016.0	0.0	11016.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.5	1.4
10°-20°	438.1	4.0
20°-30°	732.9	6.7
30°-40°	1145.0	10.4
40°-50°	1823.6	16.6
50°-60°	2537.8	23.0
60°-70°	2654.6	24.1
70°-80°	1387.4	12.6
80°-90°	144.1	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°	11016.0	100.0
0°-180°	11016.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940075

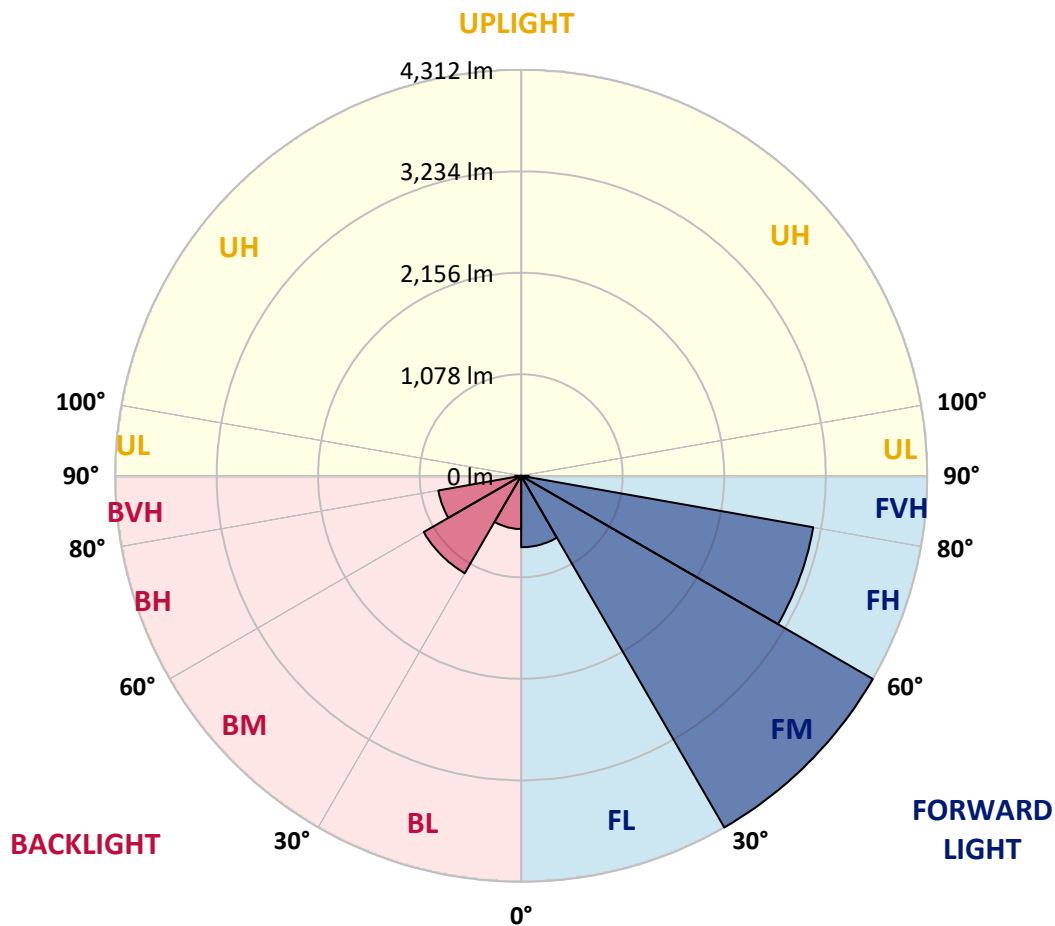
CATALOG NUMBER: GALN-SB3A-722-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	758.6	6.9			
FM	(30°-60°)	4311.6	39.1			
FH	(60°-80°)	3149.5	28.6			G2/5000
FVH	(80°-90°)	80.6	0.7			G1/100
BL	(0°-30°)	565.0	5.1	B2/1000		
BM	(30°-60°)	1194.8	10.8	B2/2500		
BH	(60°-80°)	892.5	8.1	B2/1000		G2/1000
BVH	(80°-90°)	63.4	0.6			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 II Medium



REPORT NUMBER: P940075

CATALOG NUMBER: GALN-SB3A-722-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1615.1	1615.1	1615.1	1615.1	1615.1	1615.1	1615.1	1615.1	1615.1	1615.1	1615.1
2.5°	1653.7	1663.0	1660.1	1657.2	1657.2	1653.1	1652.5	1646.6	1642.0	1634.4	1632.6
5°	1674.7	1684.6	1683.5	1685.8	1693.4	1695.2	1696.9	1693.4	1684.1	1674.7	1670.6
7.5°	1656.0	1667.1	1670.6	1684.6	1708.0	1729.1	1744.9	1751.3	1742.5	1729.1	1722.6
10°	1592.9	1605.1	1617.4	1650.7	1692.2	1741.9	1784.0	1809.2	1807.4	1794.5	1783.4
12.5°	1464.9	1477.7	1504.0	1568.9	1644.9	1732.6	1810.9	1863.5	1881.6	1872.3	1853.0
15°	1362.6	1373.7	1393.5	1460.2	1559.0	1692.2	1820.8	1923.1	1969.3	1964.1	1940.7
17.5°	1359.6	1364.3	1376.6	1408.2	1484.1	1629.1	1810.3	1981.6	2069.9	2069.3	2040.0
20°	1411.1	1412.8	1419.8	1426.3	1469.5	1581.2	1783.4	2030.1	2182.7	2182.7	2151.1
22.5°	1482.4	1481.2	1488.2	1482.4	1503.4	1577.1	1766.5	2072.8	2308.3	2317.7	2278.0
25°	1589.4	1583.5	1581.8	1568.3	1572.4	1615.1	1785.2	2121.3	2457.4	2476.7	2427.0
27.5°	1732.0	1722.6	1716.2	1685.2	1674.7	1693.4	1842.5	2179.7	2623.4	2656.7	2593.6
30°	1917.9	1900.9	1891.6	1837.8	1799.8	1802.7	1929.0	2257.5	2797.0	2850.8	2770.7
32.5°	2171.6	2145.3	2120.1	2031.9	1962.3	1939.5	2040.6	2365.0	2985.2	3071.2	2968.3
35°	2455.7	2434.6	2407.7	2271.5	2164.6	2111.9	2191.4	2515.3	3205.6	3341.8	3208.0
37.5°	2729.2	2711.1	2724.0	2540.4	2402.5	2325.9	2389.0	2716.9	3477.4	3678.5	3508.4
40°	3012.1	2998.1	2999.9	2824.5	2663.7	2577.8	2628.7	2970.0	3789.0	4078.9	3869.7
42.5°	3319.6	3309.1	3274.0	3118.5	2937.9	2857.8	2904.6	3262.3	4123.3	4534.9	4266.0
45°	3663.9	3657.5	3624.7	3446.4	3239.5	3149.5	3212.6	3585.0	4459.5	4963.9	4664.0
47.5°	3961.4	3966.7	3962.6	3812.4	3597.8	3465.7	3541.1	3921.7	4772.2	5367.2	5045.7
50°	4104.6	4132.1	4172.4	4125.7	3992.4	3858.0	3872.6	4246.7	5070.3	5745.4	5411.7
52.5°	4029.8	4081.8	4191.7	4266.6	4318.0	4289.9	4250.8	4569.3	5350.9	6086.8	5757.7
55°	3751.0	3824.1	4006.4	4187.1	4449.5	4653.5	4705.0	4927.1	5624.4	6387.3	6085.1
57.5°	3243.0	3361.7	3525.4	3890.7	4332.6	4829.5	5234.6	5423.4	5914.4	6708.2	6427.6
60°	2372.1	2531.1	2734.5	3278.1	3923.4	4735.4	5685.2	6185.6	6326.5	7123.8	6873.6
62.5°	1518.0	1616.3	1803.3	2315.4	3057.1	4253.1	5823.2	7138.4	7025.0	7805.4	7542.3
65°	1039.3	1102.4	1273.7	1561.3	1976.3	3165.9	5453.8	7852.7	8134.5	8885.6	8685.7
67.5°	755.2	803.2	949.3	1201.2	1287.7	1873.4	4232.1	7820.0	9212.9	9998.6	9687.6
70°	550.6	584.5	707.3	949.3	990.8	1042.2	2563.8	6647.4	9189.5	10294.3	9922.0
72.5°	408.0	431.4	513.8	736.5	802.0	703.8	1269.0	4831.2	7896.5	9311.1	9012.4
75°	295.2	312.7	373.5	563.5	641.8	536.0	633.1	2823.3	5508.1	6549.8	6602.4
77.5°	225.6	239.1	278.8	412.7	513.8	402.2	392.8	1298.8	2611.7	2624.6	2771.9
80°	181.2	190.0	211.6	290.5	394.0	301.0	256.0	524.3	825.4	698.5	733.0
82.5°	133.3	147.9	178.9	204.0	281.7	207.5	156.1	264.8	313.9	270.1	272.4
85°	76.0	85.9	108.1	146.1	180.0	126.8	89.4	117.5	146.1	119.8	107.0
87.5°	26.9	35.1	38.0	57.3	78.3	52.6	34.5	33.9	47.9	35.7	29.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940075

CATALOG NUMBER: GALN-SB3A-722-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1615.1	1615.1	1615.1	1615.1	1615.1	1615.1	1615.1	1615.1	1615.1	1615.1	1615.1
2.5°	1626.8	1623.9	1612.2	1596.4	1580.0	1564.2	1559.0	1547.9	1540.3	1536.2	1540.8
5°	1659.5	1650.2	1622.7	1587.6	1550.8	1511.0	1483.0	1457.3	1438.6	1421.0	1428.0
7.5°	1706.3	1689.9	1642.6	1581.2	1515.7	1449.7	1400.6	1363.1	1338.0	1321.6	1325.2
10°	1760.6	1735.5	1663.0	1571.2	1470.1	1375.4	1317.6	1285.4	1269.6	1260.9	1263.2
12.5°	1823.2	1787.5	1684.1	1548.4	1400.6	1292.4	1252.7	1243.3	1243.9	1244.5	1245.7
15°	1900.3	1850.7	1701.0	1498.8	1310.0	1228.7	1221.7	1236.9	1252.7	1260.3	1259.7
17.5°	1987.4	1917.3	1703.9	1416.9	1221.1	1187.8	1210.0	1242.7	1266.7	1277.2	1279.6
20°	2081.0	1985.1	1682.9	1301.2	1148.0	1154.5	1194.2	1236.3	1262.6	1276.1	1279.6
22.5°	2187.9	2057.6	1632.6	1179.6	1088.4	1118.2	1165.0	1205.9	1233.4	1246.8	1250.3
25°	2310.1	2138.8	1553.7	1077.3	1037.0	1077.3	1124.1	1158.0	1180.2	1192.5	1196.0
27.5°	2445.7	2223.6	1448.5	996.1	992.0	1035.2	1073.8	1100.1	1111.8	1121.1	1124.7
30°	2581.9	2300.7	1321.1	934.7	952.8	993.7	1021.2	1032.9	1036.4	1038.1	1042.2
32.5°	2729.2	2367.4	1187.2	883.8	915.4	953.4	969.8	975.0	958.6	947.5	951.0
35°	2907.5	2438.7	1056.3	843.5	878.6	911.3	916.6	911.9	892.6	869.8	871.0
37.5°	3127.9	2527.5	951.6	814.8	844.1	865.7	859.3	858.1	859.9	833.0	834.7
40°	3397.9	2643.3	875.1	792.6	816.0	820.7	802.6	812.5	821.3	780.4	781.5
42.5°	3697.8	2783.0	826.5	777.4	792.6	781.5	753.5	764.6	763.4	709.6	709.0
45°	4003.5	2935.0	809.6	766.3	771.0	748.8	717.8	720.7	696.2	647.7	649.4
47.5°	4307.5	3098.1	820.1	757.0	744.1	719.0	695.0	682.2	645.9	609.7	609.7
50°	4605.6	3269.3	858.7	738.3	707.3	692.7	675.1	652.3	613.8	582.8	580.4
52.5°	4882.1	3441.8	901.9	707.3	661.1	669.9	658.8	632.5	594.5	562.9	563.5
55°	5143.9	3614.2	918.9	664.6	617.9	650.0	643.6	595.1	549.5	523.7	521.4
57.5°	5429.2	3821.7	900.2	610.3	582.8	627.2	602.7	548.9	522.6	503.3	501.5
60°	5824.4	4147.3	859.9	543.0	549.5	593.3	551.2	529.0	500.4	478.7	477.6
62.5°	6480.8	4754.6	795.0	476.4	510.3	543.0	526.7	504.5	475.2	454.2	454.2
65°	7451.1	5598.7	672.8	424.4	466.5	493.9	500.4	478.2	447.8	425.5	426.7
67.5°	8269.5	6128.3	509.1	381.1	421.5	454.2	472.3	450.7	418.5	396.9	397.5
70°	8224.5	5743.7	388.7	338.4	381.7	415.0	438.4	421.5	387.0	366.5	368.3
72.5°	7305.0	4804.9	314.5	295.2	341.4	374.1	402.2	389.3	354.2	334.4	334.4
75°	5366.7	3410.8	251.4	251.4	291.1	331.4	362.4	354.2	322.1	308.1	304.0
77.5°	2262.2	1431.0	197.0	208.7	242.0	284.7	323.3	326.2	298.1	315.7	286.4
80°	601.5	394.6	150.2	164.3	190.0	235.0	281.2	280.0	249.6	233.2	216.9
82.5°	229.1	155.5	107.0	115.7	137.4	180.0	222.7	229.7	199.3	172.4	172.4
85°	88.3	66.6	66.1	69.6	80.1	119.2	168.3	174.2	150.2	127.4	131.5
87.5°	22.8	19.9	24.6	23.4	36.8	63.7	96.4	100.0	91.8	53.2	76.0
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)