

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: P939739

Luminaire Tested: **GALN-SB2C-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12228 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 100.9
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

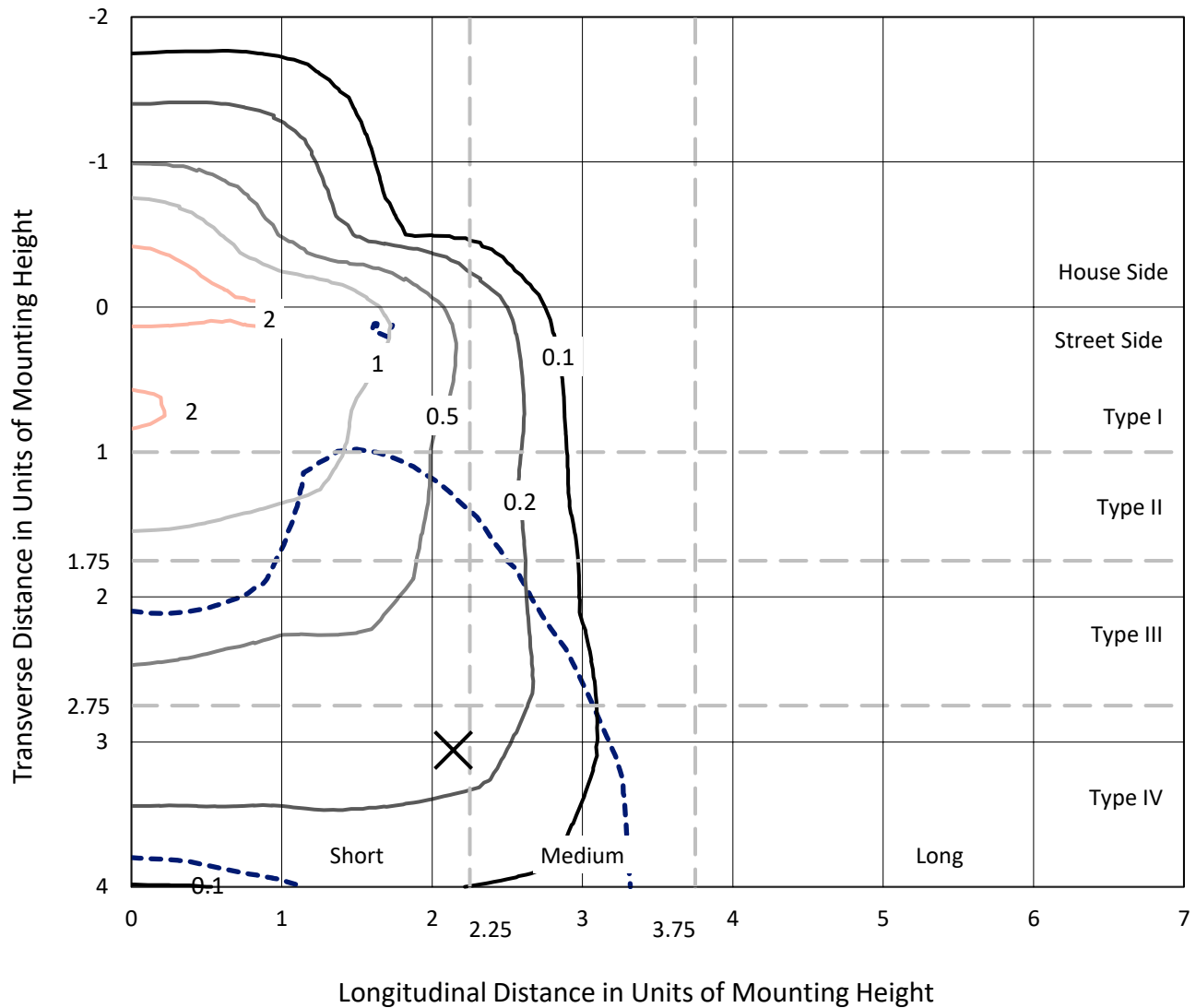


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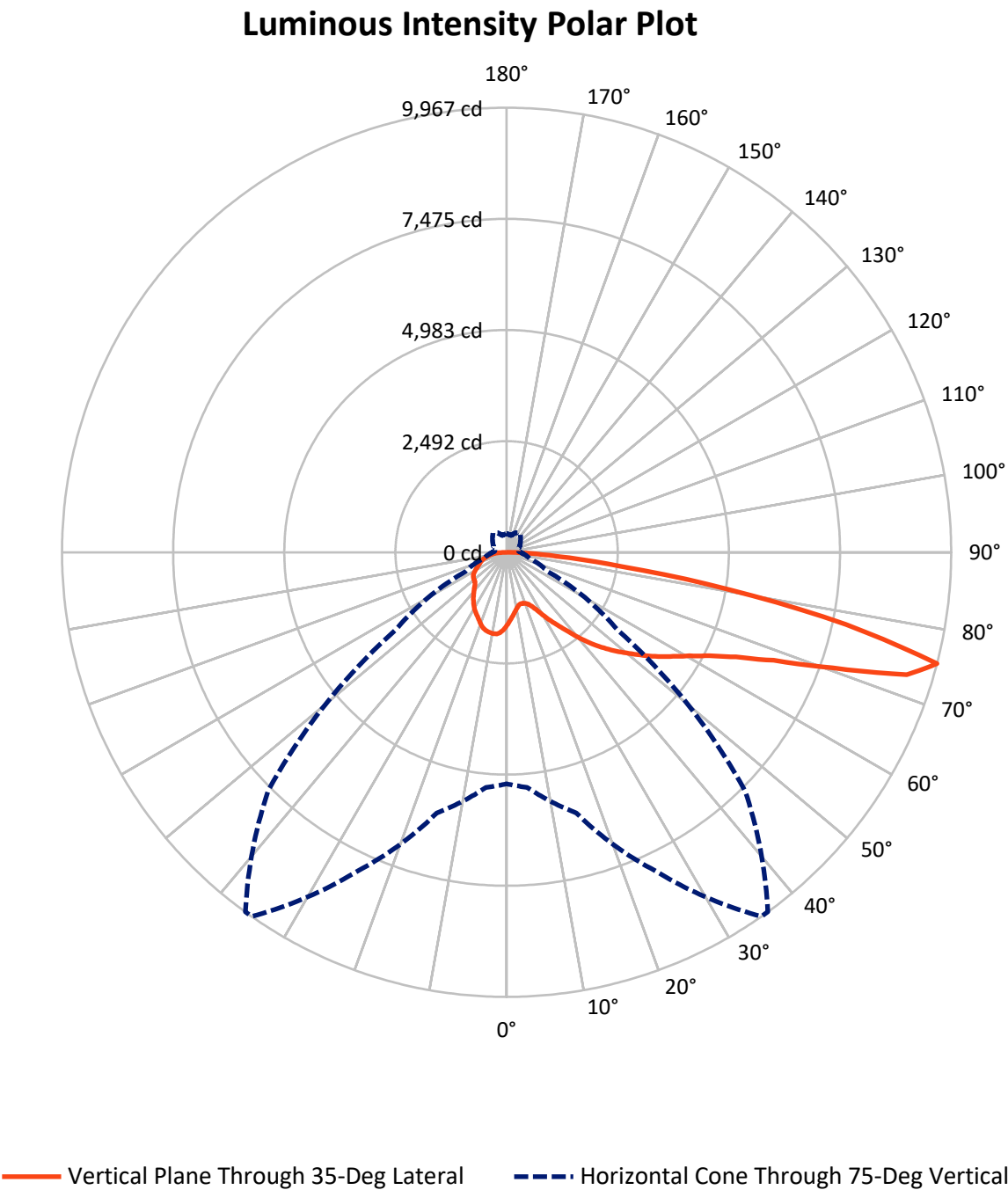
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



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

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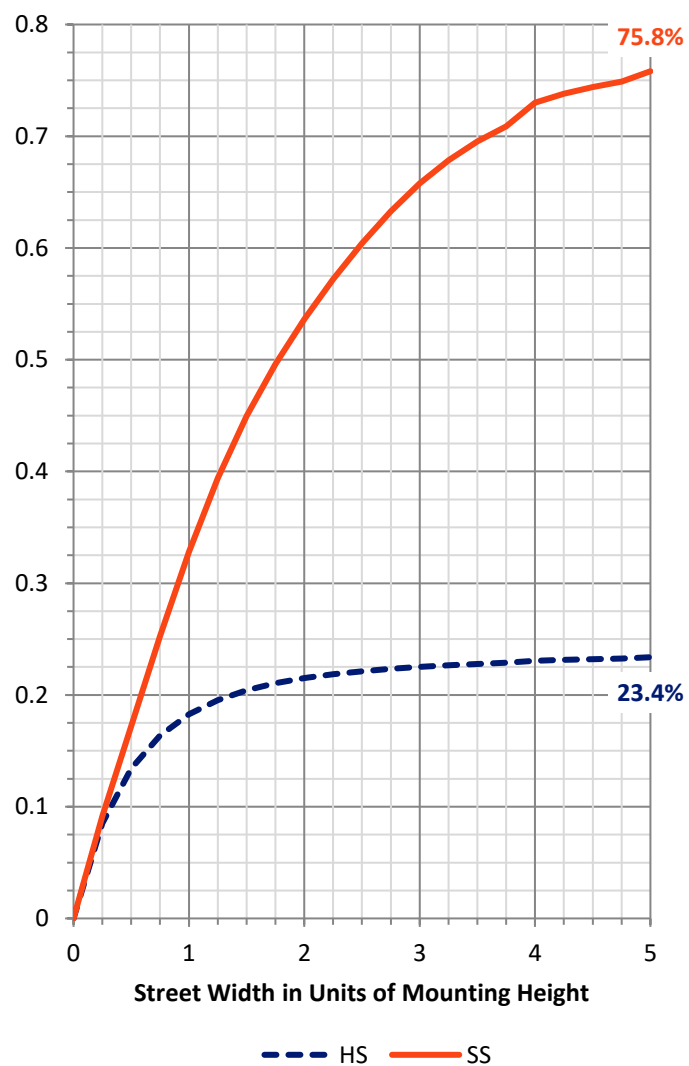
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2910.0	0.0	2910.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	9318.0	0.0	9318.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	12228.0	0.0	12228.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.3	1.3
10°-20°	445.0	3.6
20°-30°	747.3	6.1
30°-40°	1161.4	9.5
40°-50°	1723.8	14.1
50°-60°	2379.8	19.5
60°-70°	2887.2	23.6
70°-80°	2386.1	19.5
80°-90°	343.2	2.8
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°	12228.0	100.0
0°-180°	12228.0	100.0

Coefficient of Utilization



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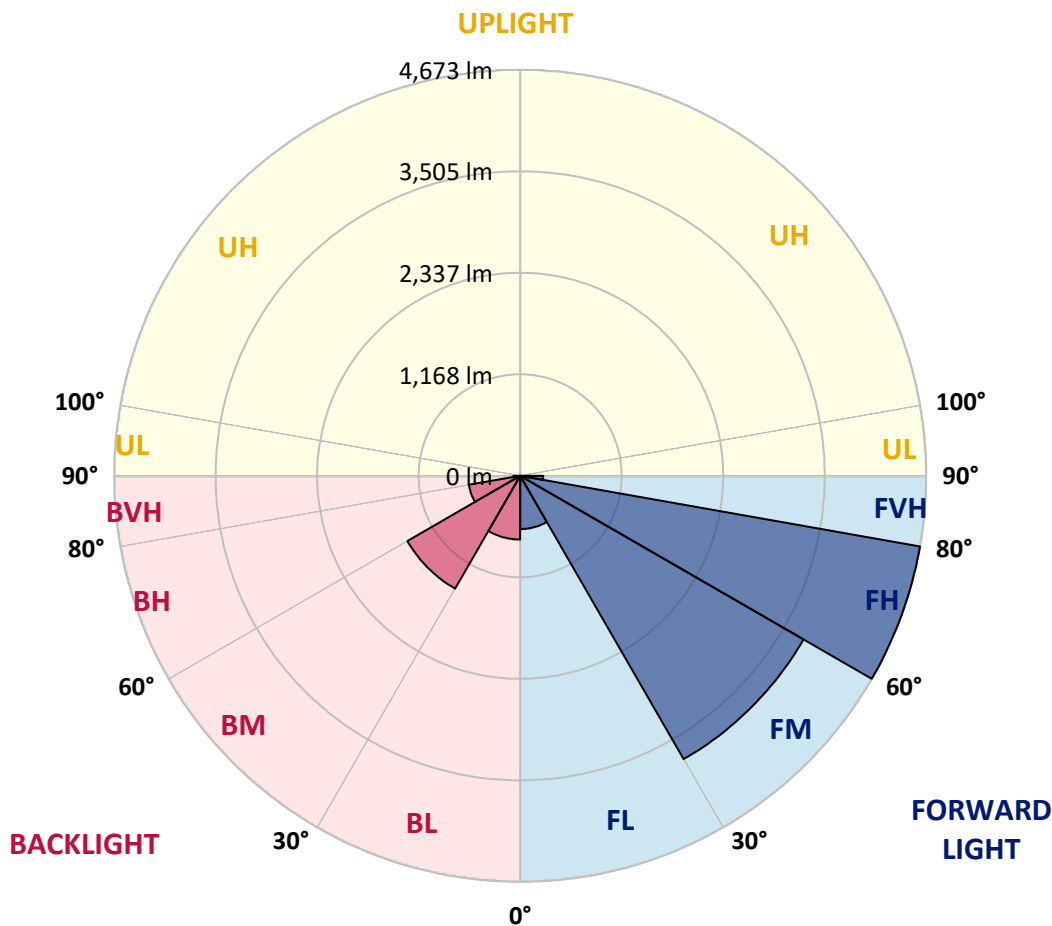
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	613.2	5.0			
FM	(30°-60°)	3765.6	30.8			
FH	(60°-80°)	4673.4	38.2			G2/5000
FVH	(80°-90°)	265.9	2.2			G3/500
BL	(0°-30°)	733.3	6.0	B2/1000		
BM	(30°-60°)	1499.4	12.3	B2/2500		
BH	(60°-80°)	599.9	4.9	B2/1000		G2/1000
BVH	(80°-90°)	77.3	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1629.5	1629.5	1629.5	1629.5	1629.5	1629.5	1629.5	1629.5	1629.5	1629.5	1629.5
2.5°	1502.5	1511.8	1515.8	1513.8	1523.7	1522.4	1536.3	1553.4	1577.2	1600.4	1634.1
5°	1386.9	1396.8	1405.4	1413.3	1432.5	1438.4	1460.2	1493.3	1536.9	1581.2	1636.7
7.5°	1279.1	1287.7	1300.9	1315.5	1347.9	1353.8	1390.2	1441.7	1502.5	1567.3	1644.0
10°	1191.2	1199.8	1213.7	1230.2	1270.5	1277.8	1324.1	1392.8	1472.1	1554.1	1651.9
12.5°	1153.5	1156.2	1164.1	1180.6	1215.7	1220.3	1271.2	1349.8	1442.4	1544.2	1663.8
15°	1151.5	1156.8	1157.5	1166.1	1195.2	1197.1	1244.1	1322.1	1423.9	1542.2	1681.7
17.5°	1171.4	1175.3	1169.4	1174.7	1199.1	1202.4	1239.5	1308.9	1417.9	1550.8	1712.1
20°	1224.2	1227.6	1209.7	1202.4	1220.3	1222.9	1259.3	1317.5	1423.9	1568.6	1753.7
22.5°	1336.6	1338.6	1295.0	1265.2	1266.6	1267.9	1299.6	1352.5	1447.0	1601.0	1806.6
25°	1511.8	1510.5	1441.1	1383.6	1350.5	1343.2	1364.4	1409.3	1486.0	1644.0	1874.7
27.5°	1716.7	1706.8	1637.4	1551.5	1479.4	1468.8	1464.2	1483.4	1541.5	1700.9	1958.0
30°	1948.1	1938.8	1864.1	1751.8	1651.9	1634.8	1591.1	1581.2	1624.2	1778.2	2073.7
32.5°	2201.9	2196.0	2106.7	1970.6	1837.0	1817.2	1743.8	1717.4	1751.1	1895.2	2235.0
35°	2414.8	2409.5	2335.5	2195.3	2032.0	2007.6	1932.9	1903.1	1920.3	2045.3	2445.8
37.5°	2607.1	2604.5	2541.0	2430.6	2262.1	2232.3	2148.4	2138.5	2135.2	2242.9	2701.7
40°	2785.6	2779.0	2712.9	2654.7	2529.8	2502.7	2428.7	2420.1	2394.9	2486.2	2991.2
42.5°	2983.3	2966.1	2870.2	2843.1	2809.4	2786.9	2742.7	2744.0	2688.4	2760.5	3297.9
45°	3144.6	3134.7	3036.2	3020.3	3056.6	3047.4	3085.7	3095.7	2987.9	3048.1	3616.6
47.5°	3317.8	3308.5	3225.2	3214.0	3312.5	3315.1	3450.6	3453.9	3280.1	3346.8	3935.8
50°	3531.3	3518.1	3435.4	3449.3	3559.7	3569.6	3817.5	3795.0	3549.1	3650.3	4252.5
52.5°	3672.1	3680.0	3662.2	3684.6	3835.4	3844.6	4178.4	4120.9	3815.5	3949.7	4563.2
55°	3775.9	3791.7	3847.3	3898.8	4126.2	4135.5	4518.9	4431.0	4036.3	4227.4	4855.3
57.5°	3909.4	3886.9	3990.7	4091.2	4402.5	4427.0	4850.1	4729.7	4232.0	4466.6	5055.6
60°	4101.1	4085.2	4165.9	4314.6	4711.9	4750.9	5200.4	4998.8	4375.4	4656.4	5094.6
62.5°	4489.8	4450.1	4462.7	4594.2	5101.9	5153.5	5595.7	5233.5	4446.8	4730.4	4885.7
65°	5070.8	5002.8	4939.3	5030.5	5651.2	5702.1	6041.9	5417.9	4420.4	4587.0	4331.1
67.5°	5802.6	5735.2	5657.2	5743.1	6460.3	6500.7	6592.6	5521.7	4212.1	4034.3	3350.8
70°	6406.1	6381.0	6474.2	6827.9	7752.7	7754.0	7298.5	5435.7	3641.7	2860.3	1938.8
72.5°	6326.2	6310.9	6802.1	7895.5	9381.5	9346.4	7966.9	4785.3	2453.1	1290.4	726.5
75°	5189.8	5288.3	6049.2	7876.3	9966.5	9961.9	7557.7	3042.1	1014.7	534.8	375.5
77.5°	2783.0	2939.0	3927.2	5815.2	7780.4	7897.4	5313.4	1064.3	435.6	342.4	259.8
80°	907.6	1043.8	1565.3	2960.8	5055.6	5033.8	2277.3	417.8	298.1	242.6	179.8
82.5°	385.4	401.3	699.4	1398.1	2594.6	2554.3	725.2	240.0	209.5	165.9	111.1
85°	150.7	168.6	308.7	646.5	1123.8	1099.3	261.8	119.0	134.2	108.4	66.1
87.5°	49.6	60.2	110.4	221.4	349.7	337.1	64.1	41.0	58.2	49.6	23.8
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°	1629.5	1629.5	1629.5	1629.5	1629.5	1629.5	1629.5	1629.5	1629.5	1629.5	1629.5
2.5°	1643.3	1653.9	1666.5	1685.0	1700.9	1714.1	1728.0	1736.6	1739.9	1749.8	1749.1
5°	1655.2	1678.4	1709.4	1739.9	1769.6	1787.5	1803.3	1811.2	1818.5	1823.8	1825.1
7.5°	1675.1	1704.8	1753.7	1793.4	1818.5	1833.1	1843.6	1841.0	1843.6	1845.0	1846.9
10°	1692.3	1733.9	1792.1	1829.8	1848.9	1849.6	1846.9	1837.7	1833.1	1833.7	1835.0
12.5°	1712.8	1759.0	1821.8	1853.6	1858.8	1844.3	1833.1	1817.2	1811.2	1808.6	1807.3
15°	1740.5	1793.4	1854.2	1866.1	1852.9	1834.4	1815.2	1789.4	1776.2	1765.6	1768.9
17.5°	1774.2	1832.4	1879.3	1870.7	1842.3	1811.9	1780.8	1741.8	1714.7	1703.5	1704.2
20°	1821.2	1873.4	1898.5	1860.8	1817.9	1771.6	1718.7	1671.1	1646.0	1634.8	1633.4
22.5°	1878.0	1928.3	1917.0	1843.6	1782.8	1708.8	1642.7	1607.6	1595.1	1587.2	1588.5
25°	1946.1	1989.1	1930.2	1818.5	1725.3	1625.5	1574.6	1563.4	1557.4	1551.5	1551.5
27.5°	2034.7	2057.8	1940.2	1781.5	1635.4	1536.9	1518.4	1520.4	1518.4	1508.5	1510.5
30°	2151.7	2147.1	1949.4	1721.3	1532.3	1456.9	1458.3	1466.8	1468.2	1461.6	1464.9
32.5°	2305.7	2258.8	1954.0	1643.3	1433.8	1386.9	1388.2	1397.4	1404.0	1392.8	1398.1
35°	2492.1	2389.0	1946.8	1545.5	1357.8	1320.1	1310.2	1312.8	1314.8	1304.2	1311.5
37.5°	2709.6	2535.1	1914.4	1437.1	1295.0	1254.7	1233.5	1215.7	1205.1	1195.2	1201.8
40°	2948.2	2694.4	1854.9	1331.3	1224.9	1185.2	1153.5	1119.8	1084.1	1070.9	1076.8
42.5°	3198.1	2858.3	1782.8	1230.2	1144.3	1111.9	1078.2	1029.2	975.7	948.6	951.9
45°	3457.2	3026.2	1712.1	1130.4	1061.6	1047.7	1008.7	949.9	891.7	857.4	854.7
47.5°	3711.1	3184.9	1608.3	1029.9	984.3	999.5	969.1	914.9	850.1	795.9	789.9
50°	3953.7	3333.6	1438.4	928.1	921.5	984.9	955.9	877.9	803.8	734.4	728.5
52.5°	4194.3	3453.9	1220.9	835.6	887.8	981.0	938.7	852.7	762.2	689.5	681.5
55°	4398.6	3516.1	1011.4	756.2	838.9	947.3	918.2	823.0	703.3	626.0	619.4
57.5°	4514.9	3465.8	836.9	678.2	771.4	891.7	883.1	759.5	633.3	573.8	565.9
60°	4464.7	3262.2	694.1	610.1	707.3	831.6	822.3	696.7	579.7	523.5	515.6
62.5°	4187.7	2874.2	581.1	550.6	649.1	770.1	761.5	648.5	538.7	484.5	475.9
65°	3629.8	2338.1	493.1	501.1	590.3	696.1	708.6	608.2	506.4	453.5	444.9
67.5°	2768.4	1693.6	424.4	458.1	532.8	623.4	659.7	579.1	479.3	429.0	421.1
70°	1577.9	961.8	366.2	416.5	481.9	555.9	622.0	555.9	450.2	408.5	403.2
72.5°	598.2	441.6	316.6	374.8	433.0	499.1	580.4	519.6	416.5	385.4	380.1
75°	319.3	269.0	266.4	325.9	376.8	443.6	528.2	483.9	391.3	407.2	420.4
77.5°	217.5	190.4	222.8	279.0	315.3	382.1	472.6	429.7	339.1	337.8	311.3
80°	150.7	134.9	181.1	224.8	243.9	321.3	412.5	368.9	276.3	257.8	246.6
82.5°	90.6	87.9	135.5	167.9	172.5	247.9	341.8	309.4	226.1	197.0	198.3
85°	49.6	52.2	86.6	98.5	100.5	173.2	267.7	239.3	173.9	146.1	147.4
87.5°	13.9	17.8	31.7	39.0	48.3	89.9	159.3	142.1	87.3	60.8	60.8
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)