

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: P940079

Luminaire Tested: **GALN-SB3A-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940079
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-SB3A-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10989 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

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



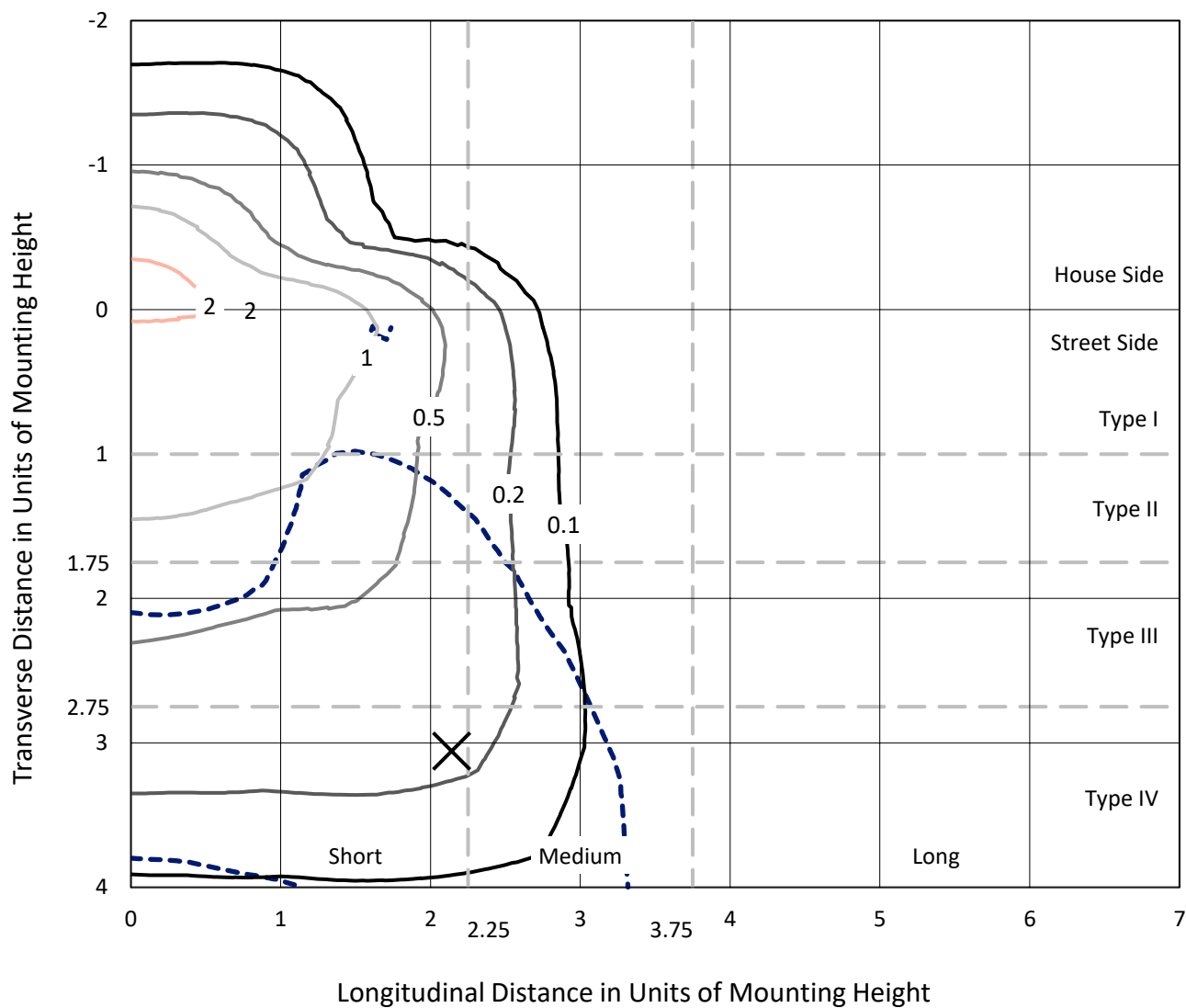
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

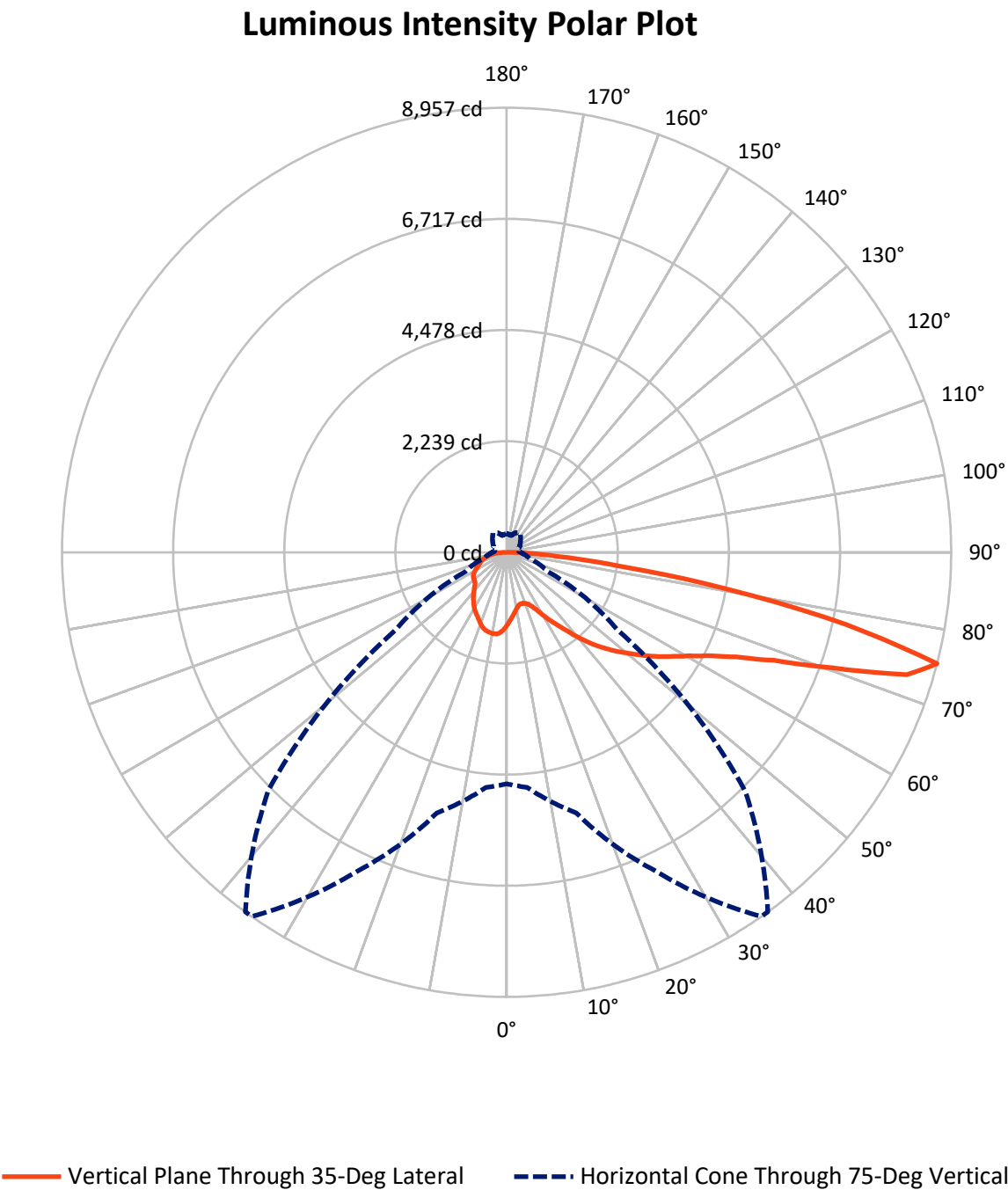
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc

Type IV - Short - N/A

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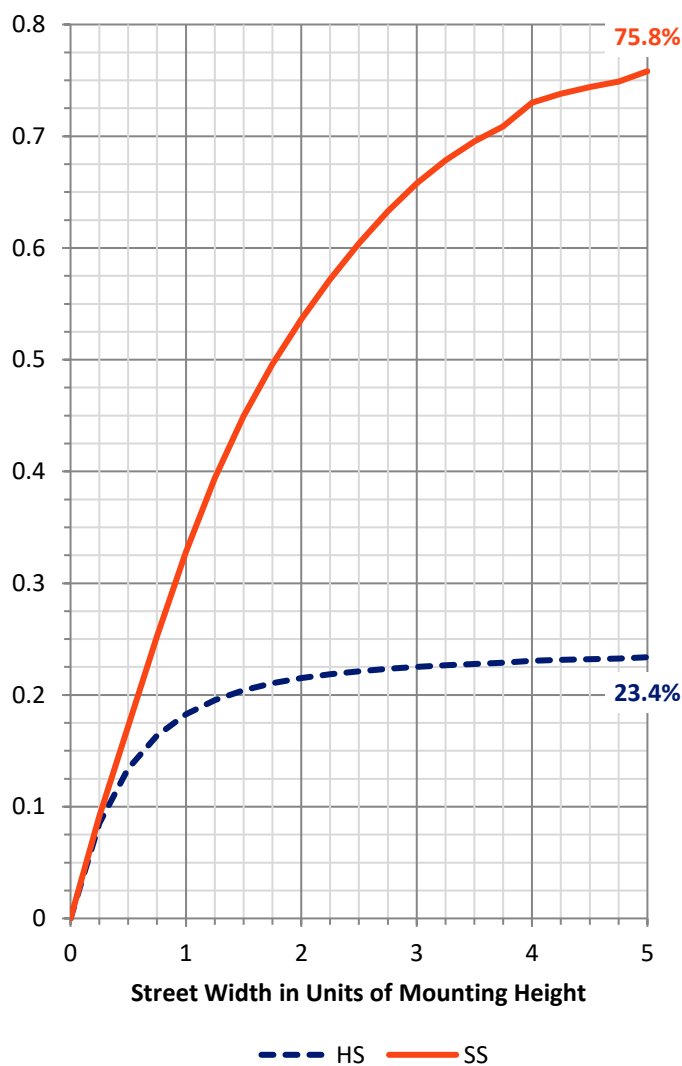
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2615.1	0.0	2615.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	8373.9	0.0	8373.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	10989.0	0.0	10989.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.6	1.3
10°-20°	399.9	3.6
20°-30°	671.6	6.1
30°-40°	1043.7	9.5
40°-50°	1549.1	14.1
50°-60°	2138.7	19.5
60°-70°	2594.7	23.6
70°-80°	2144.3	19.5
80°-90°	308.4	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°	10989.0	100.0
0°-180°	10989.0	100.0

Coefficient of Utilization



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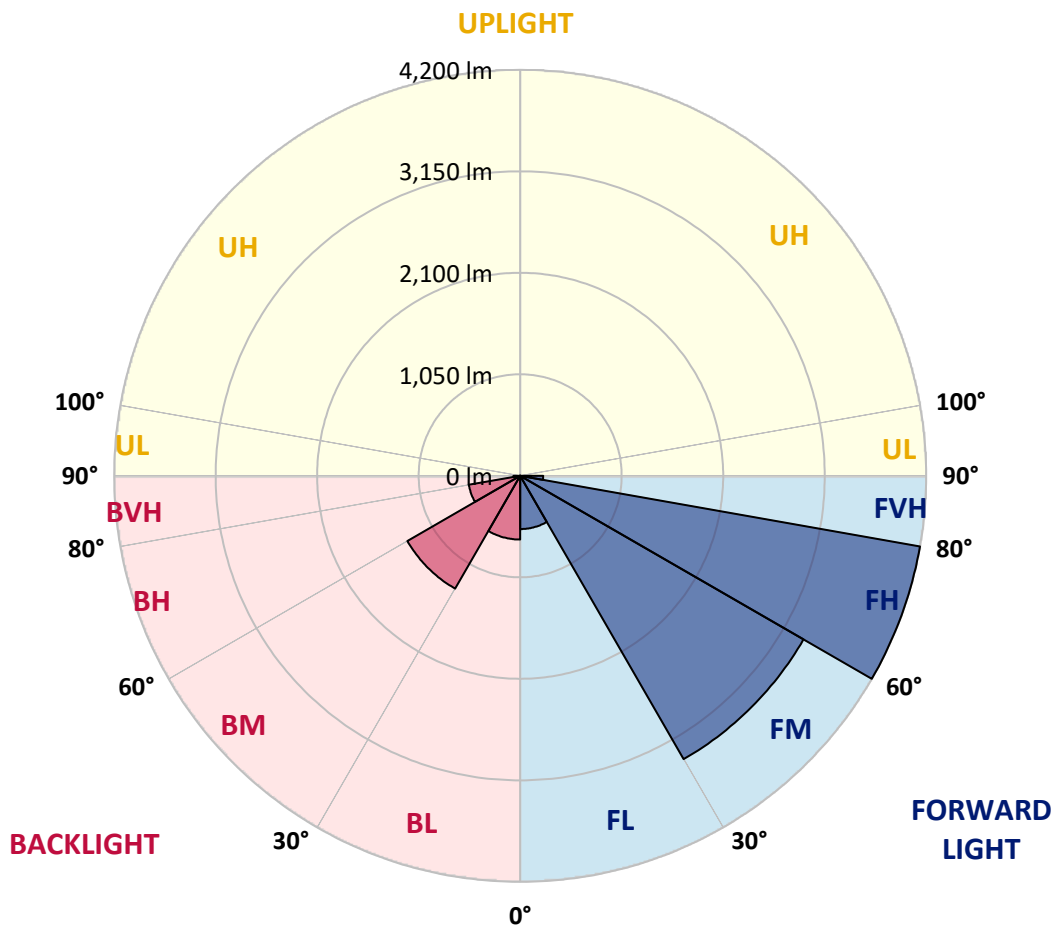
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	551.1	5.0			
FM	(30°-60°)	3384.0	30.8			
FH	(60°-80°)	4199.8	38.2			G2/5000
FVH	(80°-90°)	239.0	2.2			G3/500
BL	(0°-30°)	659.0	6.0	B2/1000		
BM	(30°-60°)	1347.5	12.3	B2/2500		
BH	(60°-80°)	539.2	4.9	B2/1000		G2/1000
BVH	(80°-90°)	69.4	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4
2.5°	1350.3	1358.6	1362.2	1360.4	1369.3	1368.1	1380.6	1396.0	1417.4	1438.2	1468.5
5°	1246.3	1255.2	1263.0	1270.1	1287.3	1292.7	1312.3	1342.0	1381.2	1421.0	1470.9
7.5°	1149.5	1157.2	1169.1	1182.2	1211.3	1216.6	1249.3	1295.6	1350.3	1408.5	1477.4
10°	1070.5	1078.2	1090.7	1105.5	1141.8	1148.3	1189.9	1251.7	1323.0	1396.6	1484.6
12.5°	1036.6	1039.0	1046.1	1061.0	1092.5	1096.6	1142.4	1213.1	1296.2	1387.7	1495.2
15°	1034.9	1039.6	1040.2	1047.9	1074.1	1075.8	1118.0	1188.1	1279.6	1385.9	1511.3
17.5°	1052.7	1056.2	1050.9	1055.6	1077.6	1080.6	1113.9	1176.2	1274.3	1393.7	1538.6
20°	1100.2	1103.2	1087.1	1080.6	1096.6	1099.0	1131.7	1184.0	1279.6	1409.7	1576.0
22.5°	1201.2	1203.0	1163.8	1137.0	1138.2	1139.4	1167.9	1215.4	1300.4	1438.8	1623.6
25°	1358.6	1357.4	1295.1	1243.4	1213.7	1207.1	1226.1	1266.5	1335.4	1477.4	1684.8
27.5°	1542.8	1533.9	1471.5	1394.3	1329.5	1320.0	1315.8	1333.1	1385.3	1528.5	1759.6
30°	1750.7	1742.4	1675.2	1574.3	1484.6	1469.1	1429.9	1421.0	1459.6	1598.0	1863.6
32.5°	1978.8	1973.5	1893.3	1770.9	1650.9	1633.1	1567.1	1543.4	1573.7	1703.2	2008.5
35°	2170.1	2165.3	2098.8	1972.9	1826.1	1804.2	1737.0	1710.3	1725.7	1838.0	2198.0
37.5°	2343.0	2340.6	2283.6	2184.4	2032.9	2006.1	1930.7	1921.8	1918.8	2015.6	2427.9
40°	2503.4	2497.4	2438.0	2385.7	2273.5	2249.1	2182.6	2174.9	2152.3	2234.3	2688.1
42.5°	2681.0	2665.5	2579.4	2555.1	2524.8	2504.6	2464.8	2465.9	2416.0	2480.8	2963.8
45°	2825.9	2817.0	2728.5	2714.3	2746.9	2738.6	2773.1	2782.0	2685.2	2739.2	3250.1
47.5°	2981.6	2973.3	2898.4	2888.3	2976.8	2979.2	3101.0	3104.0	2947.7	3007.7	3537.0
50°	3173.5	3161.6	3087.3	3099.8	3199.0	3207.9	3430.7	3410.5	3189.5	3280.4	3821.6
52.5°	3300.0	3307.1	3291.1	3311.3	3446.7	3455.1	3755.1	3703.4	3428.9	3549.5	4100.8
55°	3393.3	3407.5	3457.4	3503.8	3708.1	3716.4	4061.0	3982.0	3627.3	3799.0	4363.4
57.5°	3513.3	3493.1	3586.3	3676.6	3956.4	3978.4	4358.6	4250.5	3803.2	4014.1	4543.4
60°	3685.5	3671.3	3743.8	3877.4	4234.5	4269.5	4673.5	4492.3	3932.1	4184.6	4578.4
62.5°	4034.9	3999.2	4010.5	4128.7	4585.0	4631.3	5028.7	4703.2	3996.2	4251.1	4390.7
65°	4557.0	4495.8	4438.8	4520.8	5078.6	5124.4	5429.7	4868.9	3972.5	4122.2	3892.3
67.5°	5214.7	5154.1	5084.0	5161.2	5805.8	5842.0	5924.6	4962.2	3785.4	3625.5	3011.3
70°	5757.0	5734.5	5818.2	6136.0	6967.1	6968.3	6559.0	4885.0	3272.7	2570.5	1742.4
72.5°	5685.2	5671.5	6112.9	7095.5	8430.9	8399.4	7159.6	4300.4	2204.6	1159.6	652.9
75°	4664.0	4752.5	5436.2	7078.2	8956.6	8952.5	6791.9	2733.9	911.9	480.6	337.4
77.5°	2501.0	2641.2	3529.3	5225.9	6992.1	7097.2	4775.1	956.4	391.5	307.7	233.5
80°	815.6	938.0	1406.7	2660.8	4543.4	4523.8	2046.5	375.4	267.9	218.0	161.6
82.5°	346.3	360.6	628.5	1256.4	2331.7	2295.4	651.7	215.6	188.3	149.1	99.8
85°	135.4	151.5	277.4	581.0	1009.9	987.9	235.2	106.9	120.6	97.4	59.4
87.5°	44.6	54.1	99.2	199.0	314.3	303.0	57.6	36.8	52.3	44.6	21.4
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°	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4
2.5°	1476.8	1486.3	1497.6	1514.3	1528.5	1540.4	1552.9	1560.6	1563.6	1572.5	1571.9
5°	1487.5	1508.3	1536.2	1563.6	1590.3	1606.3	1620.6	1627.7	1634.3	1639.0	1640.2
7.5°	1505.3	1532.1	1576.0	1611.7	1634.3	1647.3	1656.8	1654.5	1656.8	1658.0	1659.8
10°	1520.8	1558.2	1610.5	1644.4	1661.6	1662.2	1659.8	1651.5	1647.3	1647.9	1649.1
12.5°	1539.2	1580.8	1637.2	1665.7	1670.5	1657.4	1647.3	1633.1	1627.7	1625.3	1624.2
15°	1564.2	1611.7	1666.3	1677.0	1665.2	1648.5	1631.3	1608.1	1596.2	1586.7	1589.7
17.5°	1594.5	1646.7	1688.9	1681.2	1655.6	1628.3	1600.4	1565.3	1541.0	1530.9	1531.5
20°	1636.6	1683.6	1706.1	1672.3	1633.7	1592.1	1544.6	1501.8	1479.2	1469.1	1467.9
22.5°	1687.7	1732.9	1722.8	1656.8	1602.2	1535.6	1476.2	1444.8	1433.5	1426.3	1427.5
25°	1748.9	1787.5	1734.7	1634.3	1550.5	1460.8	1415.1	1405.0	1399.6	1394.3	1394.3
27.5°	1828.5	1849.3	1743.6	1601.0	1469.7	1381.2	1364.6	1366.3	1364.6	1355.6	1357.4
30°	1933.7	1929.5	1751.9	1546.9	1377.0	1309.3	1310.5	1318.2	1319.4	1313.5	1316.4
32.5°	2072.1	2029.9	1756.0	1476.8	1288.5	1246.3	1247.5	1255.8	1261.8	1251.7	1256.4
35°	2239.6	2146.9	1749.5	1388.9	1220.2	1186.3	1177.4	1179.8	1181.6	1172.1	1178.6
37.5°	2435.1	2278.2	1720.4	1291.5	1163.8	1127.5	1108.5	1092.5	1083.0	1074.1	1080.0
40°	2649.5	2421.4	1666.9	1196.4	1100.8	1065.2	1036.6	1006.3	974.3	962.4	967.7
42.5°	2874.1	2568.7	1602.2	1105.5	1028.3	999.2	968.9	925.0	876.8	852.5	855.4
45°	3106.9	2719.6	1538.6	1015.8	954.1	941.6	906.5	853.7	801.4	770.5	768.1
47.5°	3335.1	2862.2	1445.3	925.5	884.6	898.2	870.9	822.2	764.0	715.2	709.9
50°	3553.1	2995.8	1292.7	834.1	828.1	885.1	859.0	788.9	722.4	660.0	654.7
52.5°	3769.3	3104.0	1097.2	750.9	797.8	881.6	843.6	766.3	685.0	619.6	612.5
55°	3952.9	3159.8	908.9	679.6	753.9	851.3	825.1	739.6	632.1	562.6	556.6
57.5°	4057.4	3114.7	752.1	609.5	693.3	801.4	793.7	682.6	569.1	515.6	508.5
60°	4012.3	2931.7	623.8	548.3	635.6	747.3	739.0	626.1	521.0	470.5	463.4
62.5°	3763.4	2583.0	522.2	494.9	583.4	692.1	684.4	582.8	484.2	435.4	427.7
65°	3262.0	2101.2	443.2	450.3	530.5	625.5	636.8	546.5	455.1	407.5	399.8
67.5°	2487.9	1522.0	381.4	411.7	478.8	560.2	592.9	520.4	430.7	385.5	378.4
70°	1418.0	864.4	329.1	374.3	433.1	499.6	559.0	499.6	404.6	367.1	362.4
72.5°	537.6	396.8	284.6	336.8	389.1	448.5	521.6	466.9	374.3	346.3	341.6
75°	286.9	241.8	239.4	292.9	338.6	398.6	474.7	434.9	351.7	365.9	377.8
77.5°	195.4	171.1	200.2	250.7	283.4	343.4	424.8	386.1	304.8	303.6	279.8
80°	135.4	121.2	162.8	202.0	219.2	288.7	370.7	331.5	248.3	231.7	221.6
82.5°	81.4	79.0	121.8	150.9	155.0	222.8	307.1	278.0	203.2	177.0	178.2
85°	44.6	46.9	77.8	88.5	90.3	155.6	240.6	215.0	156.2	131.3	132.5
87.5°	12.5	16.0	28.5	35.0	43.4	80.8	143.2	127.7	78.4	54.7	54.7
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)