

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: P939572

Luminaire Tested: **GALN-SB2B-727-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939572
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-SB2B-727-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10354 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

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



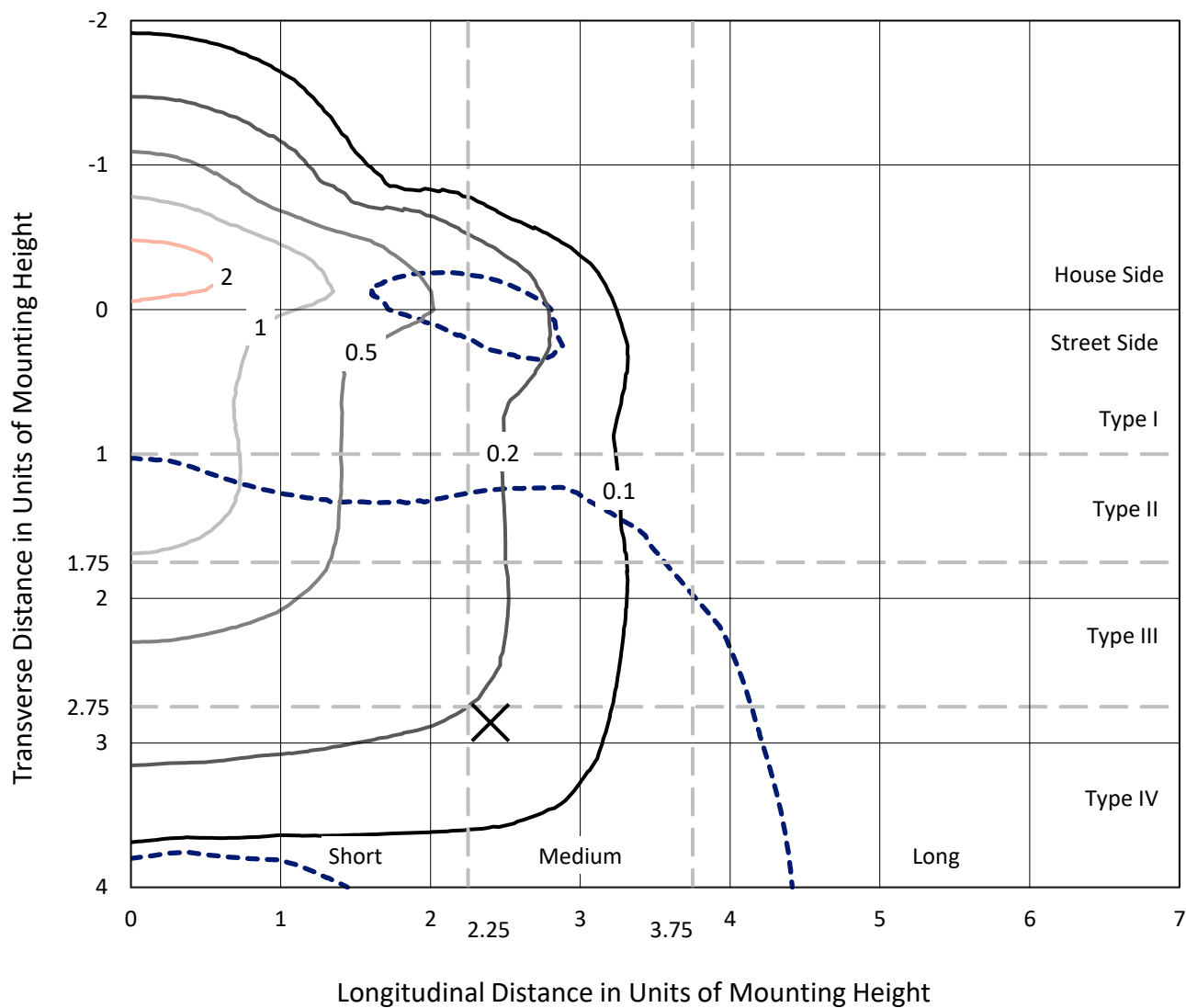
REPORT NUMBER: P939572

CATALOG NUMBER: GALN-SB2B-727-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

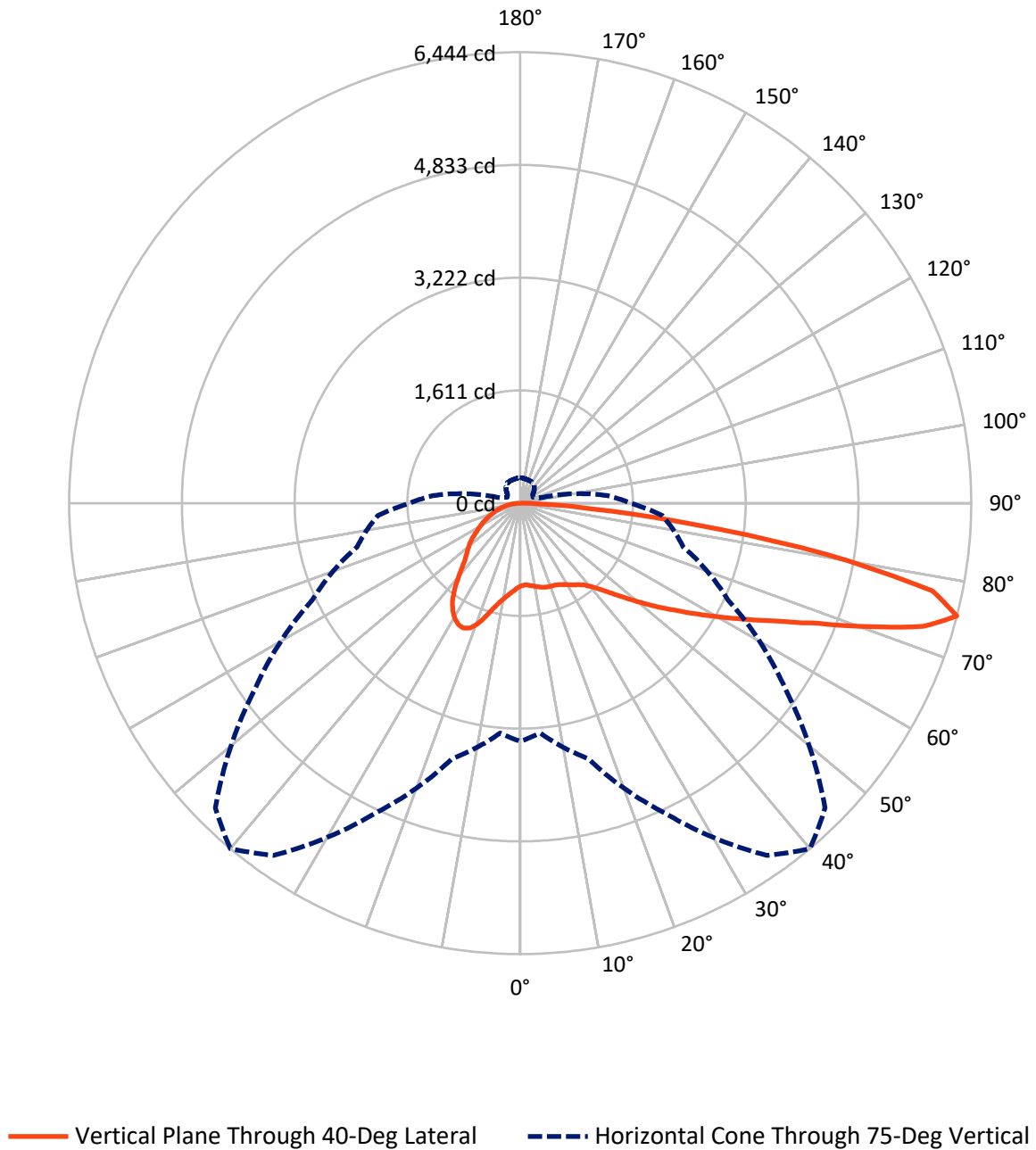


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Medium - N/A

REPORT NUMBER: P939572

CATALOG NUMBER: GALN-SB2B-727-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P939572

CATALOG NUMBER: GALN-SB2B-727-U-SL4

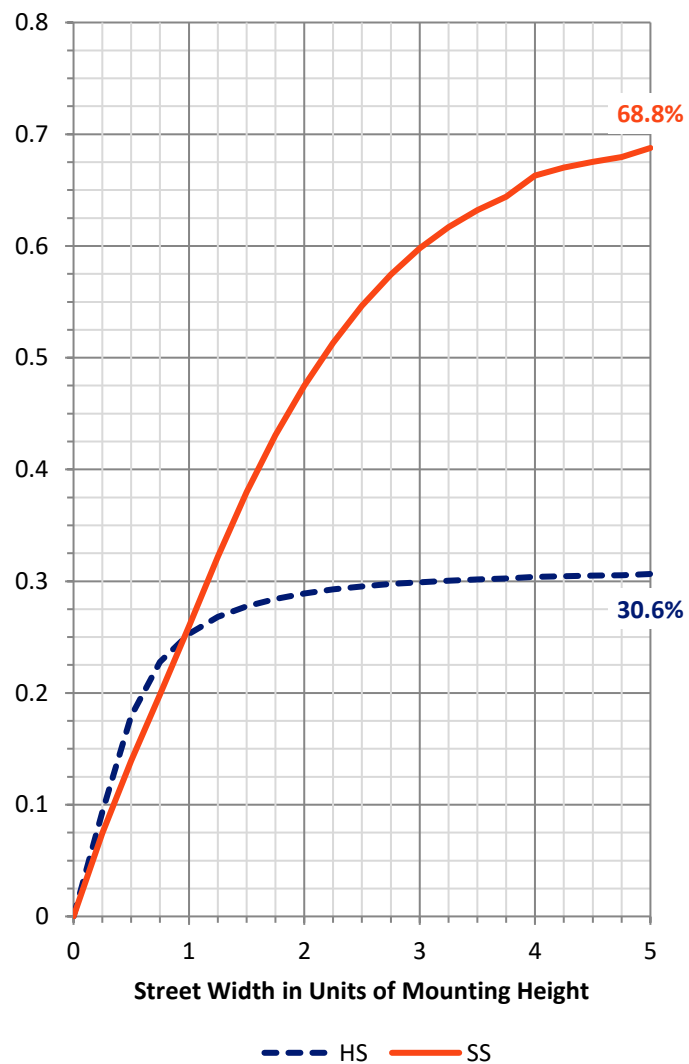
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3208.0	0.0	3208.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	7146.0	0.0	7146.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	10354.0	0.0	10354.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	1.1
10°-20°	396.8	3.8
20°-30°	724.5	7.0
30°-40°	1027.6	9.9
40°-50°	1387.5	13.4
50°-60°	1866.6	18.0
60°-70°	2369.2	22.9
70°-80°	2150.2	20.8
80°-90°	313.4	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°	10354.0	100.0
0°-180°	10354.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939572

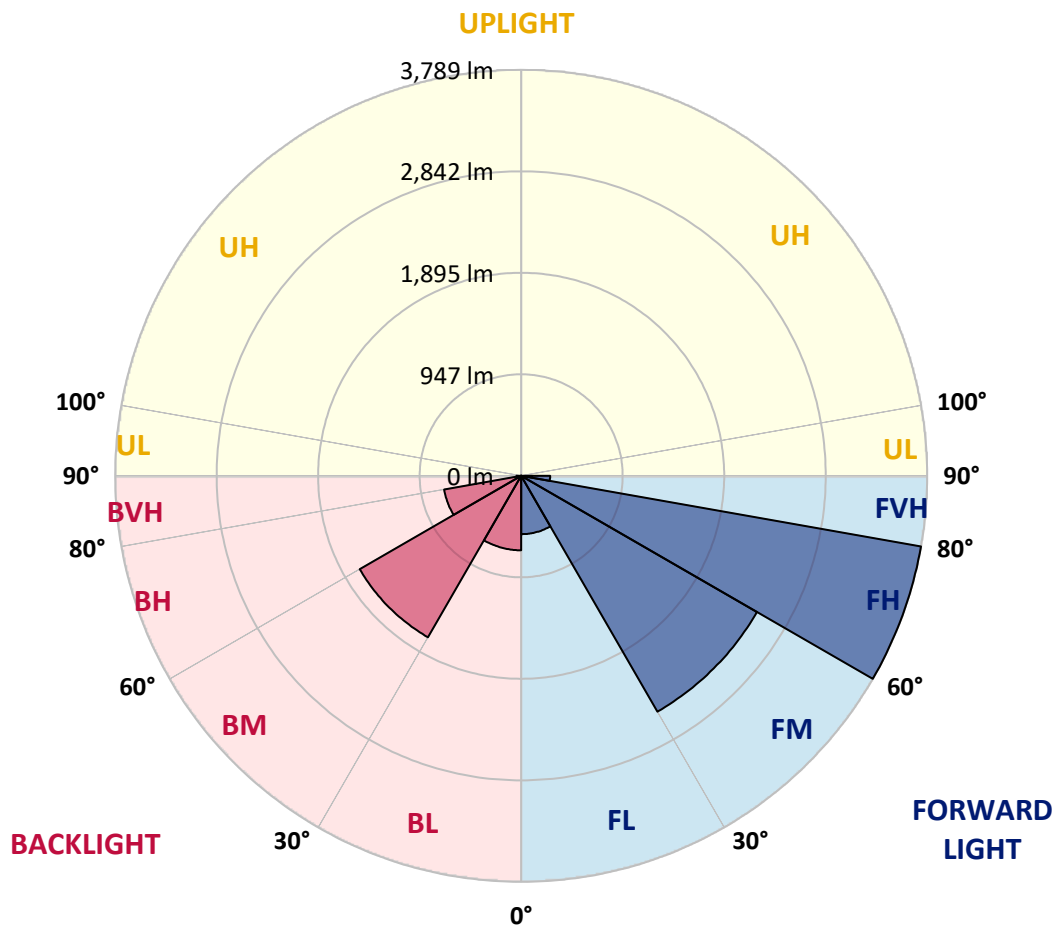
CATALOG NUMBER: GALN-SB2B-727-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	544.6	5.3			
FM	(30°-60°)	2541.7	24.5			
FH	(60°-80°)	3789.4	36.6			G2/5000
FVH	(80°-90°)	270.3	2.6			G3/500
BL	(0°-30°)	694.9	6.7	B2/1000		
BM	(30°-60°)	1740.1	16.8	B2/2500		
BH	(60°-80°)	729.9	7.0	B2/1000		G2/1000
BVH	(80°-90°)	43.1	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-G3

Type IV Medium



REPORT NUMBER: P939572

CATALOG NUMBER: GALN-SB2B-727-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0
2.5°	1165.9	1172.5	1170.8	1168.6	1168.6	1169.2	1168.6	1172.5	1176.3	1180.1	1186.2
5°	1178.0	1184.5	1181.2	1178.5	1176.3	1175.8	1174.1	1173.6	1175.8	1180.7	1188.9
7.5°	1201.6	1208.2	1203.2	1198.3	1193.9	1191.7	1189.5	1186.2	1184.5	1187.3	1198.8
10°	1227.9	1234.5	1228.5	1219.7	1212.6	1209.8	1207.6	1204.3	1202.1	1203.8	1216.4
12.5°	1254.3	1260.9	1252.6	1240.6	1231.2	1229.6	1226.8	1225.7	1225.2	1224.6	1237.3
15°	1279.0	1284.5	1274.1	1259.8	1249.9	1247.1	1244.4	1246.0	1248.8	1252.1	1266.4
17.5°	1298.2	1303.7	1288.3	1269.7	1260.3	1259.2	1257.6	1263.1	1270.8	1279.0	1296.6
20°	1315.8	1321.3	1301.5	1276.3	1265.3	1265.3	1265.8	1277.4	1288.3	1300.4	1324.6
22.5°	1340.5	1344.9	1320.7	1286.1	1270.2	1271.3	1275.7	1287.2	1301.0	1317.4	1350.9
25°	1377.3	1380.6	1350.9	1304.8	1286.7	1290.0	1293.8	1299.3	1312.5	1331.7	1376.7
27.5°	1436.6	1439.4	1400.4	1337.8	1310.3	1315.8	1321.3	1317.4	1323.5	1340.0	1397.6
30°	1520.1	1521.7	1472.3	1389.4	1350.4	1353.1	1354.2	1338.3	1326.8	1340.0	1412.4
32.5°	1618.9	1618.4	1559.6	1452.0	1396.0	1393.2	1383.9	1352.6	1325.7	1337.2	1425.6
35°	1772.1	1766.1	1690.3	1539.9	1447.6	1430.6	1408.6	1368.5	1331.2	1334.5	1437.2
37.5°	2025.9	2007.2	1902.3	1683.7	1524.5	1481.1	1448.7	1394.3	1343.3	1333.4	1450.9
40°	2312.0	2288.4	2173.0	1880.9	1639.8	1570.1	1517.9	1431.1	1363.0	1338.3	1471.2
42.5°	2651.4	2617.9	2493.7	2113.2	1785.9	1684.8	1606.3	1477.8	1392.1	1354.2	1498.7
45°	3068.2	3023.7	2848.0	2375.1	1969.8	1835.3	1730.4	1548.6	1436.6	1385.0	1539.9
47.5°	3489.4	3500.4	3250.5	2675.0	2190.6	2020.9	1885.8	1655.2	1501.4	1434.4	1606.3
50°	3936.9	3944.6	3650.8	3007.2	2441.0	2230.7	2060.5	1774.3	1591.5	1504.7	1705.7
52.5°	4286.2	4287.3	4014.4	3354.8	2701.9	2461.3	2248.8	1910.5	1695.8	1598.1	1838.0
55°	4504.8	4502.0	4269.2	3683.8	3001.7	2703.5	2457.5	2065.4	1823.2	1707.9	2004.4
57.5°	4663.5	4655.2	4444.9	3966.6	3321.3	2989.6	2693.6	2241.1	1973.7	1838.6	2223.6
60°	4723.9	4719.0	4564.1	4211.0	3657.4	3306.0	2966.0	2437.7	2144.5	1992.9	2505.3
62.5°	4747.0	4756.3	4681.1	4447.7	4017.1	3656.3	3265.3	2672.8	2336.7	2167.5	2802.4
65°	4828.2	4845.3	4829.9	4757.4	4423.5	4066.5	3662.4	2952.3	2546.5	2354.8	3112.7
67.5°	4989.1	5006.2	5012.8	5128.1	4919.9	4577.8	4157.7	3300.5	2791.9	2549.2	3346.0
70°	4985.3	4980.4	5096.8	5423.0	5541.6	5285.7	4825.5	3728.8	3084.6	2710.7	3375.7
72.5°	4537.7	4498.2	4773.3	5419.7	6058.9	6024.9	5641.0	4281.3	3337.3	2730.4	2929.2
75°	3404.3	3298.8	3784.8	4884.2	6145.1	6444.4	6159.4	4623.9	3277.4	2412.5	2038.5
77.5°	1455.8	1349.8	1922.6	3615.7	5499.9	6024.3	5683.8	4034.1	2616.2	1595.3	1001.1
80°	381.1	380.6	581.0	1639.2	3740.3	4448.8	3902.9	2605.2	1494.8	570.0	276.2
82.5°	157.6	153.8	213.6	637.6	1827.6	2496.5	2037.4	1162.0	539.8	154.3	91.7
85°	58.8	58.2	103.8	220.2	644.7	1029.7	745.2	297.1	134.5	75.2	41.2
87.5°	16.5	15.9	22.5	76.3	157.1	238.3	127.4	48.9	37.9	29.7	12.1
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: P939572

CATALOG NUMBER: GALN-SB2B-727-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0
2.5°	1187.8	1190.6	1195.5	1199.4	1204.3	1209.8	1217.5	1222.4	1227.4	1230.7	1228.5
5°	1192.8	1198.8	1211.5	1224.1	1238.9	1252.6	1268.6	1280.1	1289.4	1292.2	1293.3
7.5°	1203.8	1213.6	1235.1	1256.5	1280.1	1302.6	1325.7	1345.4	1361.4	1367.4	1368.0
10°	1223.0	1236.2	1266.4	1296.6	1327.9	1362.5	1392.1	1420.7	1443.2	1452.5	1453.1
12.5°	1247.1	1263.6	1303.2	1344.9	1388.3	1436.1	1474.5	1509.6	1537.7	1550.3	1550.3
15°	1278.4	1299.9	1350.4	1406.4	1470.1	1536.6	1585.4	1624.4	1655.7	1671.1	1670.0
17.5°	1312.5	1341.1	1404.8	1489.3	1580.5	1667.8	1724.9	1753.5	1785.9	1800.7	1800.2
20°	1345.4	1380.6	1471.8	1594.8	1716.1	1808.9	1855.1	1862.8	1865.0	1866.6	1871.0
22.5°	1379.5	1426.7	1555.8	1727.7	1857.8	1922.1	1928.7	1895.7	1849.6	1828.2	1834.2
25°	1416.8	1479.4	1665.6	1874.3	1979.7	1987.4	1936.9	1856.7	1769.4	1729.3	1735.4
27.5°	1453.1	1540.4	1797.4	2014.3	2067.6	2000.0	1891.3	1777.6	1672.2	1629.9	1634.9
30°	1489.3	1610.1	1942.9	2136.8	2107.7	1968.7	1819.4	1692.5	1586.5	1542.0	1547.0
32.5°	1526.1	1691.4	2110.4	2225.2	2100.5	1902.3	1729.9	1597.0	1503.6	1456.9	1463.0
35°	1567.9	1791.4	2269.1	2273.5	2052.8	1804.5	1611.8	1482.7	1401.5	1364.1	1372.4
37.5°	1622.2	1918.2	2409.2	2285.6	1969.3	1661.2	1465.2	1347.6	1280.6	1263.6	1275.7
40°	1689.8	2070.9	2516.3	2266.4	1845.7	1487.1	1304.8	1210.9	1173.0	1176.9	1190.0
42.5°	1777.6	2241.7	2591.5	2217.0	1673.8	1307.6	1164.2	1122.5	1140.6	1156.0	1170.3
45°	1891.9	2419.1	2638.2	2132.9	1479.4	1155.4	1081.3	1091.2	1104.9	1106.6	1117.5
47.5°	2037.9	2598.6	2668.9	2006.1	1281.2	1048.4	1028.6	1030.8	1028.0	1016.5	1025.3
50°	2220.3	2773.3	2696.4	1838.0	1112.6	981.4	955.0	947.3	909.4	872.1	877.0
52.5°	2427.8	2933.6	2707.9	1629.4	981.4	925.3	882.5	834.2	763.3	751.8	755.6
55°	2658.5	3081.9	2678.3	1372.9	871.0	853.4	788.6	730.4	722.7	712.8	714.5
57.5°	2934.2	3241.7	2617.9	1086.8	757.8	769.4	706.2	712.8	699.1	683.7	681.0
60°	3235.7	3407.0	2511.9	825.9	640.9	664.5	684.8	684.3	680.4	667.8	663.4
62.5°	3506.9	3515.7	2303.2	632.6	538.2	583.2	638.7	638.1	634.8	627.7	624.9
65°	3668.4	3499.3	1955.0	498.1	453.6	516.2	576.1	580.5	581.0	580.5	580.5
67.5°	3639.8	3306.5	1477.2	396.5	383.9	448.1	514.0	520.1	524.4	525.5	526.6
70°	3316.9	2883.1	963.2	316.3	321.8	388.3	455.3	461.3	465.1	469.5	471.7
72.5°	2585.5	2119.8	551.4	255.9	267.4	336.6	397.0	404.2	406.4	414.6	417.9
75°	1575.5	1246.6	297.6	201.5	219.7	287.8	339.4	347.6	351.5	361.3	362.4
77.5°	749.1	539.8	169.7	157.1	176.8	235.0	286.7	296.0	285.6	291.1	286.7
80°	253.2	200.4	107.1	119.7	135.1	183.4	229.5	238.9	216.9	215.8	213.6
82.5°	88.4	81.3	68.1	79.6	87.3	131.2	173.5	185.6	161.5	160.9	153.2
85°	34.6	32.9	37.9	43.4	52.2	80.7	114.2	120.3	99.4	80.2	79.1
87.5°	7.1	7.7	9.3	9.9	15.9	28.0	41.2	50.5	40.1	34.0	31.3
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)