

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: P939562

Luminaire Tested: **GALN-SB2B-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939562
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-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 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: 9221 lumens
Efficiency: N/A
Efficacy: 124.8 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



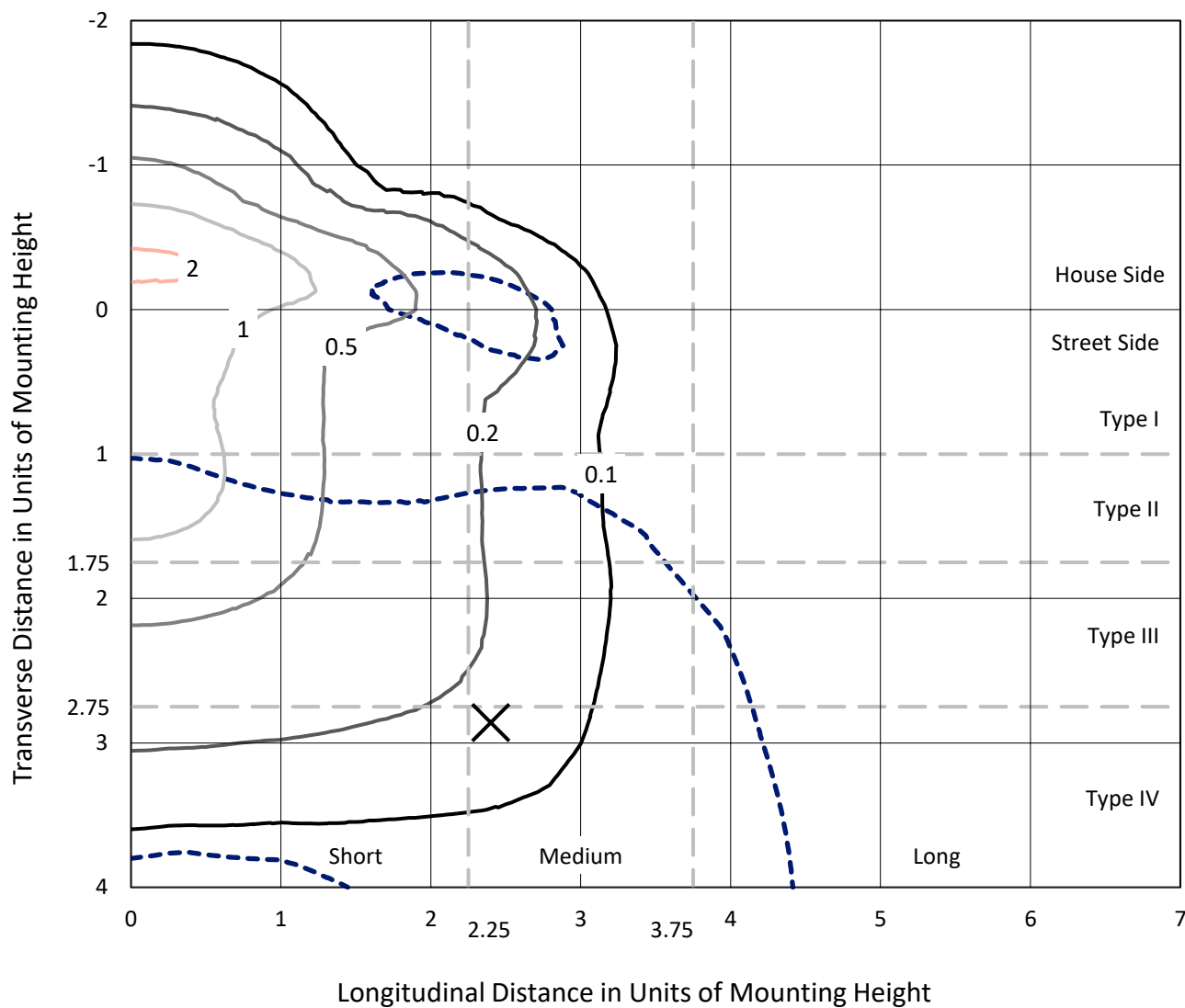
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

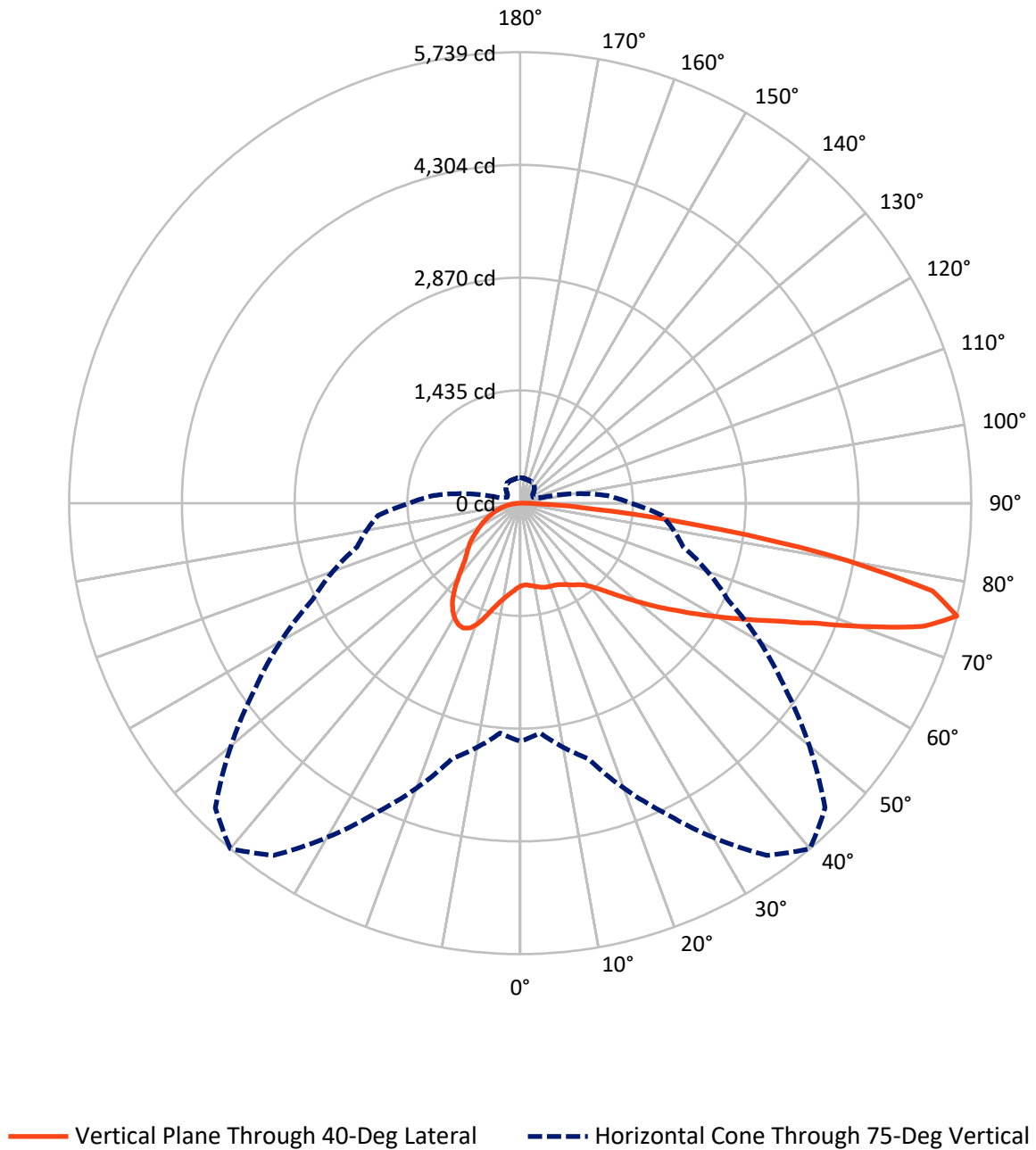


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2857.0	0.0	2857.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	6364.0	0.0	6364.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	9221.0	0.0	9221.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	1.1
10°-20°	353.4	3.8
20°-30°	645.2	7.0
30°-40°	915.1	9.9
40°-50°	1235.7	13.4
50°-60°	1662.4	18.0
60°-70°	2109.9	22.9
70°-80°	1914.9	20.8
80°-90°	279.1	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°	9221.0	100.0
0°-180°	9221.0	100.0

Coefficient of Utilization



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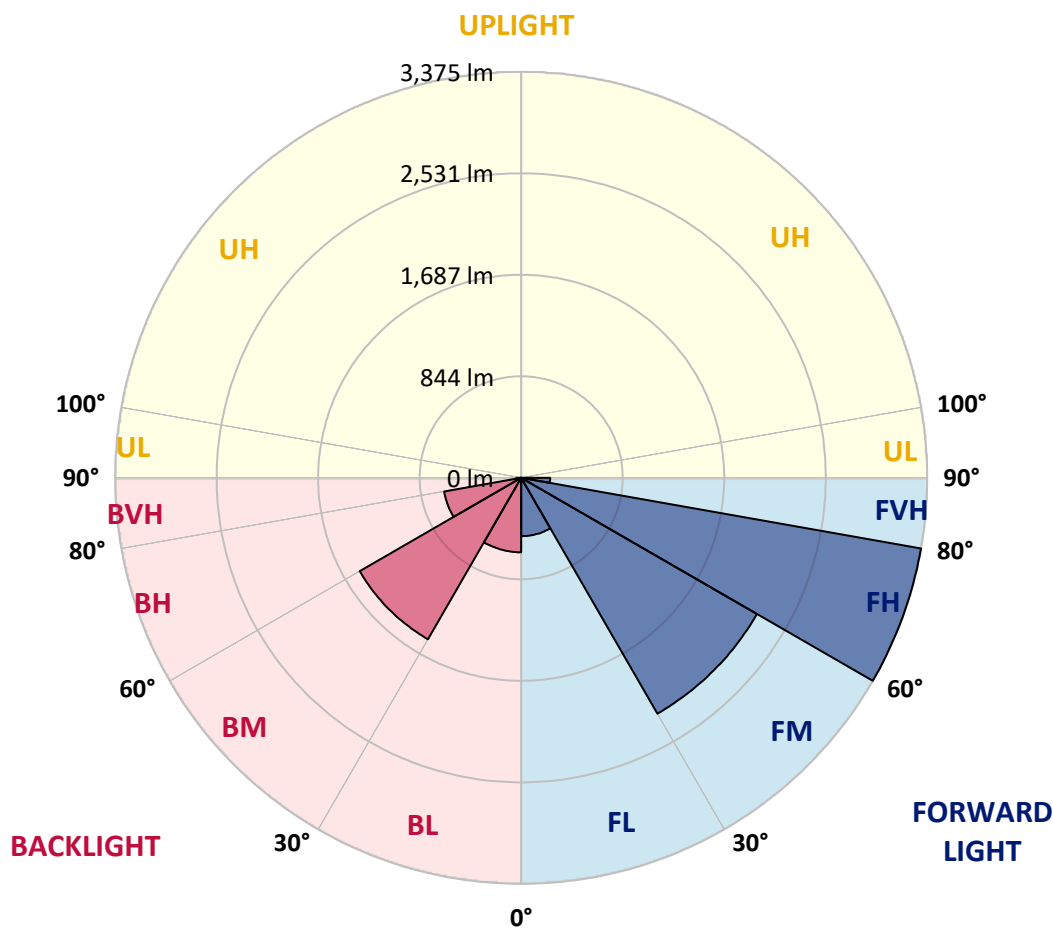
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	485.0	5.3			
FM	(30°-60°)	2263.5	24.5			
FH	(60°-80°)	3374.7	36.6			G2/5000
FVH	(80°-90°)	240.7	2.6			G3/500
BL	(0°-30°)	618.8	6.7	B2/1000		
BM	(30°-60°)	1549.7	16.8	B2/2500		
BH	(60°-80°)	650.0	7.0	B2/1000		G2/1000
BVH	(80°-90°)	38.4	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-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1054.4	1054.4	1054.4	1054.4	1054.4	1054.4	1054.4	1054.4	1054.4	1054.4	1054.4
2.5°	1038.3	1044.2	1042.7	1040.7	1040.7	1041.2	1040.7	1044.2	1047.6	1051.0	1056.4
5°	1049.1	1054.9	1052.0	1049.5	1047.6	1047.1	1045.6	1045.1	1047.1	1051.5	1058.8
7.5°	1070.1	1076.0	1071.6	1067.1	1063.2	1061.3	1059.3	1056.4	1054.9	1057.4	1067.6
10°	1093.6	1099.4	1094.0	1086.2	1079.9	1077.4	1075.5	1072.5	1070.6	1072.0	1083.3
12.5°	1117.0	1122.9	1115.6	1104.8	1096.5	1095.0	1092.6	1091.6	1091.1	1090.6	1101.9
15°	1139.0	1143.9	1134.6	1121.9	1113.1	1110.7	1108.2	1109.7	1112.1	1115.1	1127.8
17.5°	1156.2	1161.1	1147.4	1130.7	1122.4	1121.4	1120.0	1124.9	1131.7	1139.0	1154.7
20°	1171.8	1176.7	1159.1	1136.6	1126.8	1126.8	1127.3	1137.6	1147.4	1158.1	1179.6
22.5°	1193.8	1197.7	1176.2	1145.4	1131.2	1132.2	1136.1	1146.4	1158.6	1173.3	1203.1
25°	1226.6	1229.5	1203.1	1162.0	1145.9	1148.8	1152.2	1157.1	1168.9	1186.0	1226.1
27.5°	1279.4	1281.9	1247.1	1191.4	1166.9	1171.8	1176.7	1173.3	1178.7	1193.3	1244.7
30°	1353.7	1355.2	1311.2	1237.3	1202.6	1205.1	1206.0	1191.9	1181.6	1193.3	1257.9
32.5°	1441.8	1441.3	1389.0	1293.1	1243.2	1240.8	1232.5	1204.6	1180.6	1190.9	1269.6
35°	1578.2	1572.8	1505.4	1371.4	1289.2	1274.0	1254.5	1218.8	1185.5	1188.4	1279.9
37.5°	1804.2	1787.5	1694.1	1499.5	1357.7	1319.0	1290.2	1241.7	1196.3	1187.5	1292.1
40°	2059.0	2038.0	1935.2	1675.1	1460.4	1398.2	1351.8	1274.5	1213.9	1191.9	1310.2
42.5°	2361.2	2331.4	2220.9	1881.9	1590.5	1500.5	1430.5	1316.1	1239.8	1206.0	1334.7
45°	2732.4	2692.8	2536.3	2115.2	1754.3	1634.5	1541.1	1379.2	1279.4	1233.4	1371.4
47.5°	3107.5	3117.3	2894.8	2382.3	1950.9	1799.8	1679.5	1474.1	1337.1	1277.4	1430.5
50°	3506.1	3513.0	3251.3	2678.1	2173.9	1986.6	1835.0	1580.2	1417.3	1340.1	1519.0
52.5°	3817.2	3818.2	3575.1	2987.7	2406.2	2192.0	2002.7	1701.5	1510.2	1423.2	1636.9
55°	4011.8	4009.4	3802.0	3280.7	2673.3	2407.7	2188.6	1839.4	1623.7	1521.0	1785.1
57.5°	4153.2	4145.8	3958.5	3532.5	2957.9	2662.5	2398.9	1995.9	1757.7	1637.4	1980.2
60°	4207.0	4202.6	4064.7	3750.2	3257.2	2944.2	2641.5	2171.0	1909.8	1774.8	2231.1
62.5°	4227.5	4235.8	4168.8	3961.0	3577.5	3256.2	2908.0	2380.3	2081.0	1930.4	2495.7
65°	4299.9	4315.1	4301.4	4236.8	3939.5	3621.6	3261.6	2629.2	2267.8	2097.1	2772.0
67.5°	4443.2	4458.4	4464.2	4566.9	4381.6	4076.9	3702.7	2939.3	2486.4	2270.3	2979.9
70°	4439.8	4435.4	4539.1	4829.6	4935.2	4707.3	4297.5	3320.8	2747.1	2414.0	3006.3
72.5°	4041.2	4006.0	4251.0	4826.6	5395.9	5365.6	5023.7	3812.8	2972.1	2431.7	2608.7
75°	3031.7	2937.8	3370.7	4349.8	5472.7	5739.2	5485.4	4118.0	2918.8	2148.5	1815.4
77.5°	1296.5	1202.1	1712.2	3220.0	4898.0	5365.1	5061.9	3592.7	2329.9	1420.7	891.6
80°	339.4	338.9	517.4	1459.9	3331.1	3962.0	3475.8	2320.1	1331.2	507.7	246.0
82.5°	140.4	136.9	190.2	567.8	1627.6	2223.3	1814.4	1034.9	480.8	137.4	81.7
85°	52.3	51.8	92.4	196.1	574.2	917.0	663.7	264.6	119.8	67.0	36.7
87.5°	14.7	14.2	20.1	68.0	139.9	212.3	113.5	43.5	33.7	26.4	10.8
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°	1054.4	1054.4	1054.4	1054.4	1054.4	1054.4	1054.4	1054.4	1054.4	1054.4	1054.4
2.5°	1057.9	1060.3	1064.7	1068.1	1072.5	1077.4	1084.3	1088.7	1093.1	1096.0	1094.0
5°	1062.3	1067.6	1078.9	1090.1	1103.3	1115.6	1129.8	1140.0	1148.3	1150.8	1151.8
7.5°	1072.0	1080.8	1099.9	1119.0	1140.0	1160.1	1180.6	1198.2	1212.4	1217.8	1218.3
10°	1089.2	1100.9	1127.8	1154.7	1182.6	1213.4	1239.8	1265.2	1285.3	1293.6	1294.1
12.5°	1110.7	1125.3	1160.6	1197.7	1236.4	1278.9	1313.2	1344.5	1369.4	1380.6	1380.6
15°	1138.6	1157.6	1202.6	1252.5	1309.2	1368.4	1411.9	1446.7	1474.5	1488.2	1487.3
17.5°	1168.9	1194.3	1251.0	1326.4	1407.5	1485.3	1536.2	1561.6	1590.5	1603.7	1603.2
20°	1198.2	1229.5	1310.7	1420.3	1528.3	1611.0	1652.1	1658.9	1660.9	1662.3	1666.3
22.5°	1228.5	1270.6	1385.5	1538.6	1654.5	1711.7	1717.6	1688.3	1647.2	1628.1	1633.5
25°	1261.8	1317.6	1483.3	1669.2	1763.1	1769.9	1724.9	1653.5	1575.8	1540.1	1545.5
27.5°	1294.1	1371.8	1600.7	1793.9	1841.3	1781.2	1684.4	1583.1	1489.2	1451.6	1456.0
30°	1326.4	1434.0	1730.3	1903.0	1877.0	1753.3	1620.3	1507.3	1412.9	1373.3	1377.7
32.5°	1359.1	1506.3	1879.5	1981.7	1870.7	1694.1	1540.6	1422.2	1339.1	1297.5	1302.9
35°	1396.3	1595.3	2020.8	2024.7	1828.1	1607.1	1435.4	1320.5	1248.1	1214.8	1222.2
37.5°	1444.7	1708.3	2145.5	2035.5	1753.8	1479.4	1304.8	1200.2	1140.5	1125.3	1136.1
40°	1504.9	1844.3	2240.9	2018.4	1643.8	1324.4	1162.0	1078.4	1044.7	1048.1	1059.8
42.5°	1583.1	1996.4	2307.9	1974.4	1490.7	1164.5	1036.8	999.7	1015.8	1029.5	1042.2
45°	1684.8	2154.4	2349.5	1899.5	1317.6	1029.0	963.0	971.8	984.0	985.5	995.3
47.5°	1814.9	2314.3	2376.9	1786.6	1141.0	933.6	916.0	918.0	915.5	905.3	913.1
50°	1977.3	2469.8	2401.3	1636.9	990.9	874.0	850.5	843.6	809.9	776.6	781.0
52.5°	2162.2	2612.6	2411.6	1451.1	874.0	824.1	785.9	742.9	679.8	669.5	673.0
55°	2367.6	2744.7	2385.2	1222.7	775.7	760.0	702.3	650.5	643.6	634.8	636.3
57.5°	2613.1	2887.0	2331.4	967.9	674.9	685.2	628.9	634.8	622.6	608.9	606.4
60°	2881.6	3034.2	2237.0	735.6	570.7	591.8	609.9	609.4	606.0	594.7	590.8
62.5°	3123.2	3131.0	2051.2	563.4	479.3	519.4	568.8	568.3	565.4	559.0	556.6
65°	3267.0	3116.4	1741.1	443.6	404.0	459.7	513.0	516.9	517.4	516.9	516.9
67.5°	3241.6	2944.7	1315.6	353.1	341.9	399.1	457.8	463.1	467.1	468.0	469.0
70°	2954.0	2567.6	857.8	281.7	286.6	345.8	405.4	410.8	414.2	418.2	420.1
72.5°	2302.5	1887.8	491.0	227.9	238.2	299.8	353.6	360.0	361.9	369.2	372.2
75°	1403.1	1110.2	265.1	179.5	195.6	256.3	302.2	309.6	313.0	321.8	322.8
77.5°	667.1	480.8	151.1	139.9	157.5	209.3	255.3	263.6	254.3	259.2	255.3
80°	225.5	178.5	95.4	106.6	120.3	163.3	204.4	212.7	193.2	192.2	190.2
82.5°	78.7	72.4	60.6	70.9	77.8	116.9	154.5	165.3	143.8	143.3	136.5
85°	30.8	29.3	33.7	38.6	46.5	71.9	101.7	107.1	88.5	71.4	70.4
87.5°	6.4	6.8	8.3	8.8	14.2	24.9	36.7	45.0	35.7	30.3	27.9
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)