

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: P939392

Luminaire Tested: **GALN-SB2A-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939392
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-SB2A-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7346 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 57.3
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

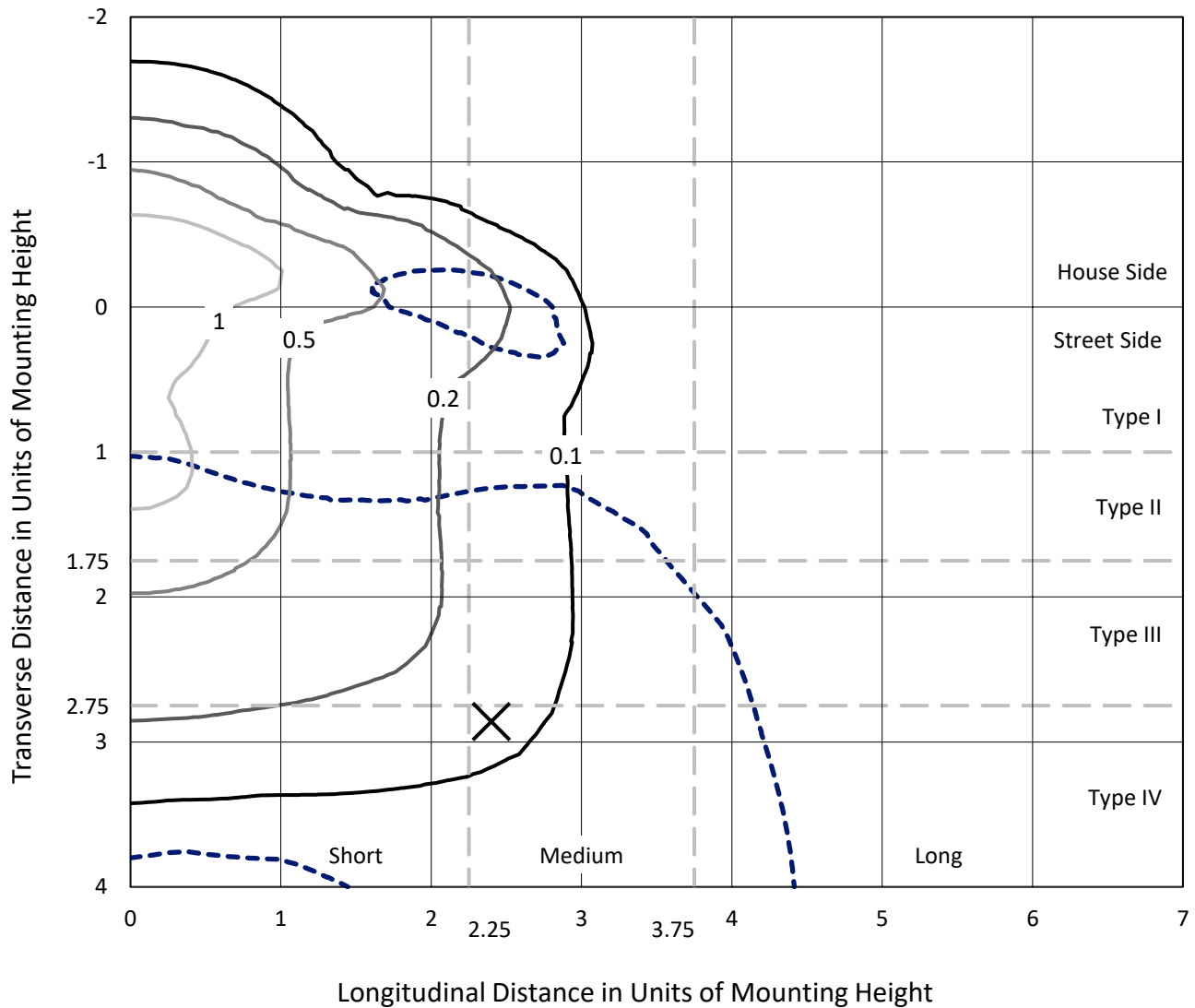


REPORT NUMBER: P939392

CATALOG NUMBER: GALN-SB2A-722-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

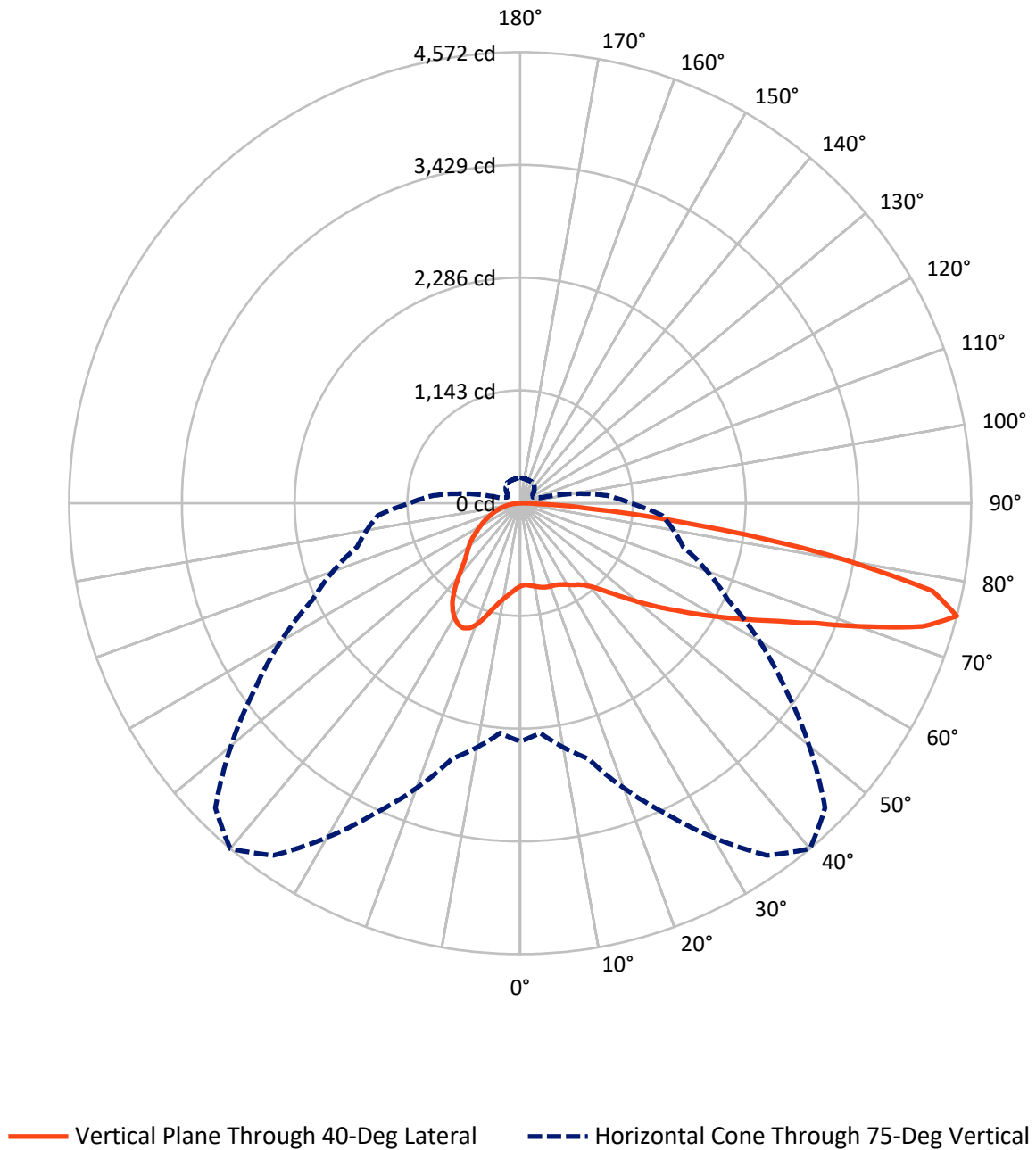


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Medium - N/A

REPORT NUMBER: P939392

CATALOG NUMBER: GALN-SB2A-722-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P939392

CATALOG NUMBER: GALN-SB2A-722-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2276.0	0.0	2276.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	5070.0	0.0	5070.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	7346.0	0.0	7346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	1.1
10°-20°	281.5	3.8
20°-30°	514.0	7.0
30°-40°	729.0	9.9
40°-50°	984.4	13.4
50°-60°	1324.3	18.0
60°-70°	1680.9	22.9
70°-80°	1525.5	20.8
80°-90°	222.4	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°	7346.0	100.0
0°-180°	7346.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939392

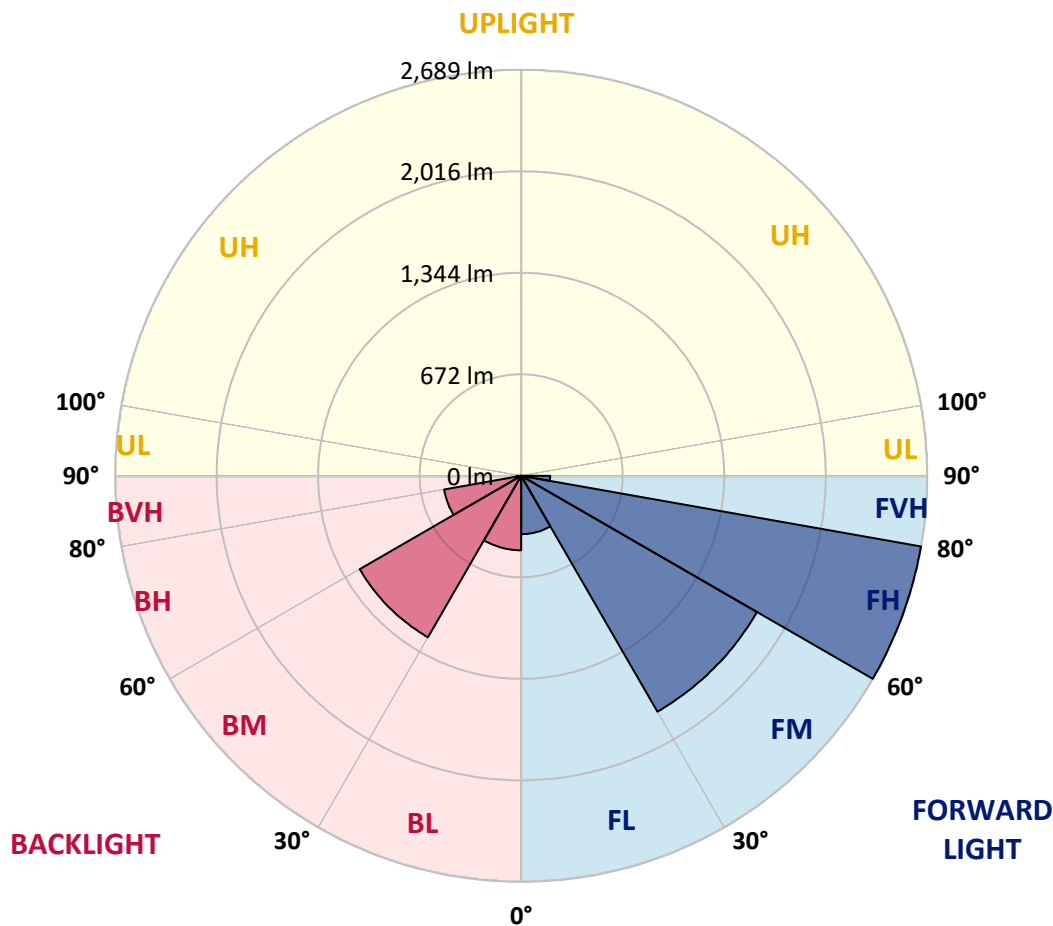
CATALOG NUMBER: GALN-SB2A-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	386.4	5.3			
FM	(30°-60°)	1803.3	24.5			
FH	(60°-80°)	2688.5	36.6			G2/5000
FVH	(80°-90°)	191.8	2.6			G2/225
BL	(0°-30°)	493.0	6.7	B1/500		
BM	(30°-60°)	1234.5	16.8	B2/2500		
BH	(60°-80°)	517.9	7.0	B2/1000		G2/1000
BVH	(80°-90°)	30.6	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-G2

Type IV Medium



REPORT NUMBER: P939392

CATALOG NUMBER: GALN-SB2A-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	840.0	840.0	840.0	840.0	840.0	840.0	840.0	840.0	840.0	840.0	840.0
2.5°	827.2	831.8	830.7	829.1	829.1	829.5	829.1	831.8	834.6	837.3	841.6
5°	835.7	840.4	838.1	836.1	834.6	834.2	833.0	832.6	834.2	837.7	843.5
7.5°	852.5	857.2	853.7	850.2	847.0	845.5	843.9	841.6	840.4	842.4	850.5
10°	871.2	875.9	871.6	865.4	860.3	858.3	856.8	854.4	852.9	854.1	863.0
12.5°	889.9	894.6	888.7	880.2	873.5	872.4	870.4	869.6	869.2	868.9	877.8
15°	907.4	911.3	903.9	893.8	886.8	884.8	882.9	884.1	886.0	888.3	898.5
17.5°	921.1	925.0	914.1	900.8	894.2	893.4	892.2	896.1	901.6	907.4	919.9
20°	933.5	937.4	923.4	905.5	897.7	897.7	898.1	906.3	914.1	922.6	939.8
22.5°	951.1	954.2	937.0	912.5	901.2	902.0	905.1	913.3	923.0	934.7	958.5
25°	977.2	979.5	958.5	925.7	912.9	915.2	917.9	921.8	931.2	944.8	976.8
27.5°	1019.3	1021.2	993.5	949.1	929.6	933.5	937.4	934.7	939.0	950.7	991.6
30°	1078.5	1079.6	1044.6	985.7	958.1	960.0	960.8	949.5	941.3	950.7	1002.1
32.5°	1148.6	1148.2	1106.5	1030.2	990.4	988.5	981.8	959.6	940.5	948.7	1011.5
35°	1257.3	1253.0	1199.3	1092.5	1027.0	1015.0	999.4	970.9	944.4	946.8	1019.6
37.5°	1437.3	1424.1	1349.7	1194.6	1081.6	1050.8	1027.8	989.3	953.0	946.0	1029.4
40°	1640.3	1623.6	1541.7	1334.5	1163.4	1113.9	1076.9	1015.4	967.0	949.5	1043.8
42.5°	1881.1	1857.3	1769.3	1499.3	1267.1	1195.4	1139.6	1048.5	987.7	960.8	1063.3
45°	2176.8	2145.3	2020.6	1685.1	1397.6	1302.1	1227.7	1098.7	1019.3	982.6	1092.5
47.5°	2475.7	2483.5	2306.2	1897.8	1554.2	1433.8	1338.0	1174.3	1065.2	1017.7	1139.6
50°	2793.2	2798.7	2590.2	2133.6	1731.9	1582.6	1461.9	1258.9	1129.1	1067.6	1210.2
52.5°	3041.0	3041.8	2848.1	2380.2	1916.9	1746.3	1595.5	1355.5	1203.2	1133.8	1304.1
55°	3196.1	3194.1	3028.9	2613.6	2129.7	1918.1	1743.6	1465.4	1293.5	1211.7	1422.1
57.5°	3308.7	3302.8	3153.6	2814.2	2356.4	2121.1	1911.1	1590.0	1400.3	1304.5	1577.6
60°	3351.5	3348.0	3238.1	2987.6	2594.9	2345.5	2104.3	1729.5	1521.5	1413.9	1777.5
62.5°	3367.9	3374.5	3321.1	3155.5	2850.1	2594.1	2316.7	1896.3	1657.8	1537.8	1988.2
65°	3425.6	3437.6	3426.7	3375.3	3138.4	2885.2	2598.4	2094.6	1806.7	1670.7	2208.4
67.5°	3539.7	3551.8	3556.5	3638.3	3490.6	3247.9	2949.8	2341.6	1980.8	1808.6	2374.0
70°	3537.0	3533.5	3616.1	3847.5	3931.7	3750.1	3423.6	2645.5	2188.5	1923.2	2395.0
72.5°	3219.4	3191.4	3386.6	3845.2	4298.7	4274.5	4002.2	3037.5	2367.7	1937.2	2078.2
75°	2415.3	2340.5	2685.3	3465.3	4359.9	4572.2	4370.0	3280.6	2325.3	1711.6	1446.3
77.5°	1032.9	957.7	1364.1	2565.3	3902.1	4274.2	4032.6	2862.2	1856.2	1131.9	710.3
80°	270.4	270.0	412.2	1163.0	2653.7	3156.3	2769.0	1848.4	1060.6	404.4	196.0
82.5°	111.8	109.1	151.6	452.4	1296.7	1771.2	1445.5	824.4	383.0	109.5	65.1
85°	41.7	41.3	73.6	156.2	457.4	730.5	528.7	210.8	95.5	53.4	29.2
87.5°	11.7	11.3	16.0	54.2	111.4	169.1	90.4	34.7	26.9	21.0	8.6
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: P939392

CATALOG NUMBER: GALN-SB2A-722-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	840.0	840.0	840.0	840.0	840.0	840.0	840.0	840.0	840.0	840.0	840.0
2.5°	842.8	844.7	848.2	850.9	854.4	858.3	863.8	867.3	870.8	873.1	871.6
5°	846.3	850.5	859.5	868.5	879.0	888.7	900.0	908.2	914.8	916.8	917.6
7.5°	854.1	861.1	876.3	891.5	908.2	924.2	940.5	954.6	965.9	970.2	970.5
10°	867.7	877.0	898.5	919.9	942.1	966.7	987.7	1008.0	1023.9	1030.6	1030.9
12.5°	884.8	896.5	924.6	954.2	985.0	1018.9	1046.1	1071.1	1090.9	1099.9	1099.9
15°	907.0	922.2	958.1	997.8	1043.0	1090.2	1124.8	1152.5	1174.7	1185.6	1184.8
17.5°	931.2	951.5	996.7	1056.7	1121.3	1183.3	1223.8	1244.1	1267.1	1277.6	1277.2
20°	954.6	979.5	1044.2	1131.5	1217.6	1283.4	1316.1	1321.6	1323.2	1324.3	1327.4
22.5°	978.7	1012.2	1103.8	1225.8	1318.1	1363.7	1368.4	1345.0	1312.2	1297.1	1301.3
25°	1005.2	1049.6	1181.7	1329.8	1404.6	1410.0	1374.2	1317.3	1255.4	1226.9	1231.2
27.5°	1030.9	1092.9	1275.2	1429.1	1466.9	1419.0	1341.9	1261.2	1186.4	1156.4	1159.9
30°	1056.7	1142.4	1378.5	1516.0	1495.4	1396.8	1290.8	1200.8	1125.6	1094.1	1097.6
32.5°	1082.8	1200.0	1497.3	1578.7	1490.3	1349.7	1227.3	1133.0	1066.8	1033.7	1038.0
35°	1112.4	1270.9	1609.9	1613.0	1456.4	1280.3	1143.5	1052.0	994.3	967.8	973.7
37.5°	1150.9	1360.9	1709.3	1621.6	1397.2	1178.6	1039.5	956.1	908.6	896.5	905.1
40°	1198.9	1469.3	1785.2	1608.0	1309.5	1055.1	925.7	859.1	832.2	835.0	844.3
42.5°	1261.2	1590.4	1838.6	1572.9	1187.6	927.7	826.0	796.4	809.2	820.2	830.3
45°	1342.2	1716.3	1871.7	1513.3	1049.6	819.8	767.2	774.2	783.9	785.1	792.9
47.5°	1445.9	1843.7	1893.6	1423.3	909.0	743.8	729.8	731.3	729.4	721.2	727.4
50°	1575.2	1967.6	1913.0	1304.1	789.4	696.3	677.6	672.1	645.2	618.7	622.2
52.5°	1722.5	2081.4	1921.2	1156.0	696.3	656.5	626.1	591.8	541.6	533.4	536.1
55°	1886.2	2186.6	1900.2	974.1	617.9	605.5	559.5	518.2	512.7	505.7	506.9
57.5°	2081.7	2299.9	1857.3	771.1	537.7	545.9	501.1	505.7	496.0	485.1	483.1
60°	2295.7	2417.2	1782.1	586.0	454.7	471.4	485.9	485.5	482.7	473.8	470.7
62.5°	2488.1	2494.4	1634.1	448.8	381.8	413.8	453.1	452.7	450.4	445.3	443.4
65°	2602.7	2482.7	1387.1	353.4	321.8	366.2	408.7	411.8	412.2	411.8	411.8
67.5°	2582.4	2345.9	1048.1	281.3	272.3	317.9	364.7	369.0	372.1	372.9	373.6
70°	2353.3	2045.5	683.4	224.4	228.3	275.5	323.0	327.3	330.0	333.1	334.7
72.5°	1834.3	1503.9	391.2	181.6	189.7	238.8	281.7	286.8	288.3	294.2	296.5
75°	1117.8	884.4	211.2	143.0	155.8	204.2	240.8	246.6	249.4	256.4	257.2
77.5°	531.4	383.0	120.4	111.4	125.5	166.8	203.4	210.0	202.6	206.5	203.4
80°	179.6	142.2	76.0	84.9	95.8	130.1	162.9	169.5	153.9	153.1	151.6
82.5°	62.7	57.7	48.3	56.5	61.9	93.1	123.1	131.7	114.5	114.2	108.7
85°	24.5	23.4	26.9	30.8	37.0	57.3	81.0	85.3	70.5	56.9	56.1
87.5°	5.1	5.5	6.6	7.0	11.3	19.9	29.2	35.8	28.4	24.2	22.2
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)