

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: P946266

Luminaire Tested: **GALN-SB2A-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
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-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7243 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - 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

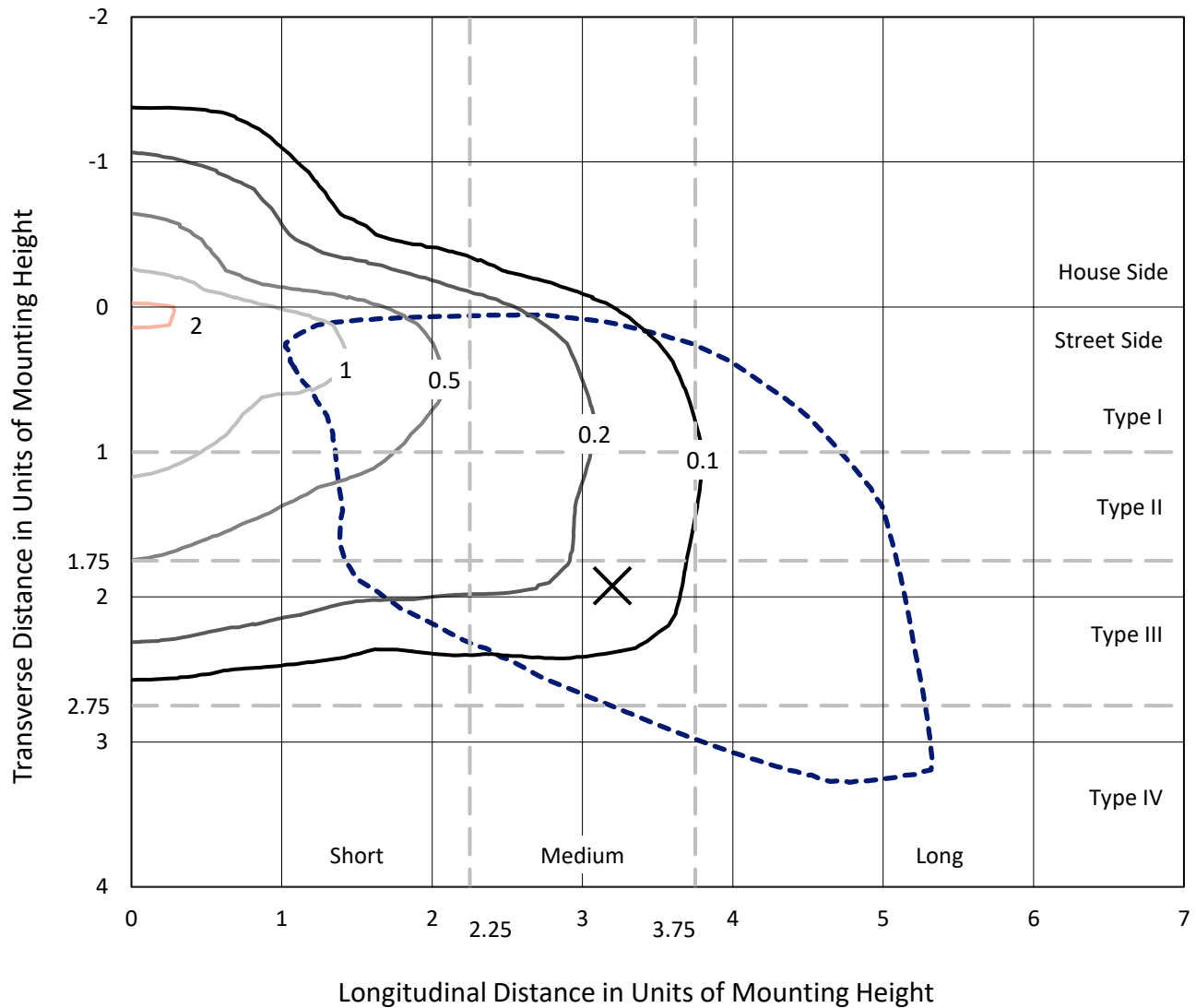


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

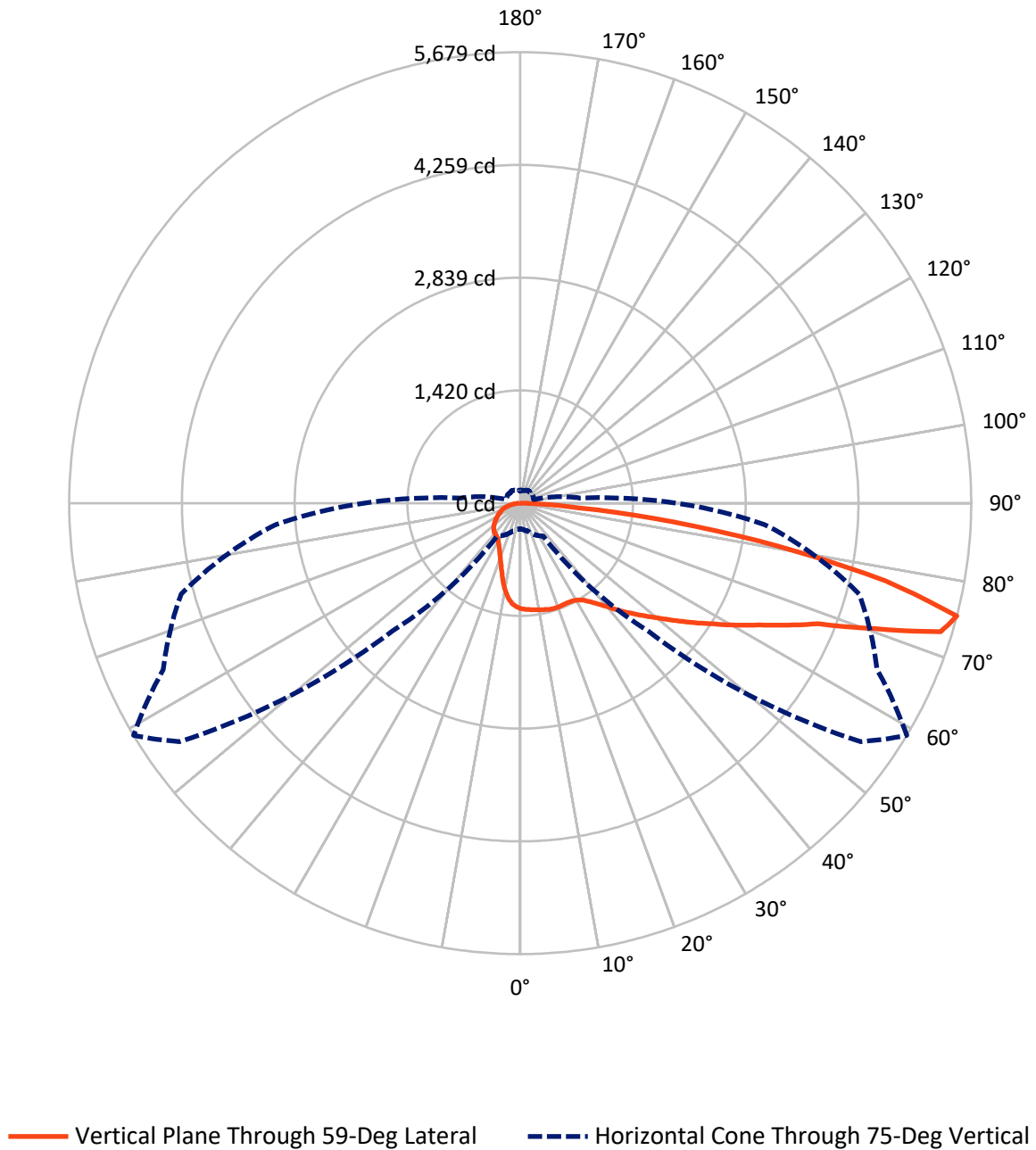


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1358.5	0.0	1358.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	5884.5	0.0	5884.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	7243.0	0.0	7243.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	1.6
10°-20°	304.7	4.2
20°-30°	462.8	6.4
30°-40°	688.0	9.5
40°-50°	1023.1	14.1
50°-60°	1388.7	19.2
60°-70°	1695.4	23.4
70°-80°	1330.6	18.4
80°-90°	230.5	3.2
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°	7243.0	100.0
0°-180°	7243.0	100.0

Coefficient of Utilization



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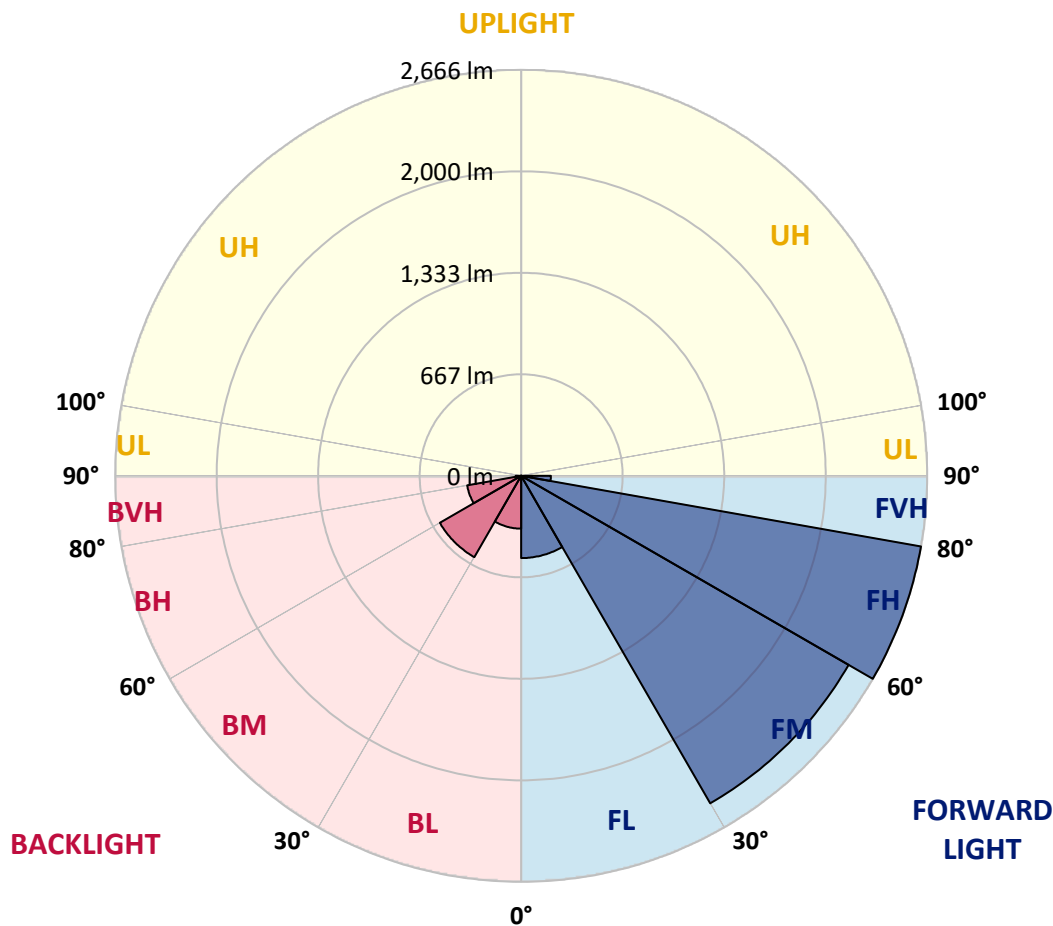
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	540.0	7.5			
FM	(30°-60°)	2483.2	34.3			
FH	(60°-80°)	2666.1	36.8			G2/5000
FVH	(80°-90°)	195.2	2.7			G2/225
BL	(0°-30°)	346.7	4.8	B1/500		
BM	(30°-60°)	616.6	8.5	B1/1000		
BH	(60°-80°)	359.9	5.0	B1/500		G1/500
BVH	(80°-90°)	35.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4
2.5°	1340.7	1336.1	1340.7	1338.8	1338.0	1336.4	1336.8	1339.6	1338.0	1340.0	1333.3
5°	1331.8	1329.0	1333.7	1332.6	1337.6	1338.4	1343.5	1346.6	1348.5	1348.9	1343.9
7.5°	1317.0	1314.2	1320.9	1326.3	1337.2	1340.3	1350.9	1355.9	1358.7	1363.3	1355.9
10°	1262.8	1261.6	1278.0	1298.7	1324.4	1340.3	1356.3	1364.9	1369.2	1381.6	1373.1
12.5°	1167.0	1168.5	1189.9	1229.7	1281.1	1332.6	1362.6	1375.0	1381.6	1397.2	1393.3
15°	1075.4	1075.0	1098.4	1140.9	1212.9	1298.3	1365.7	1387.1	1398.4	1421.4	1418.3
17.5°	1022.4	1020.8	1037.2	1069.5	1136.6	1245.7	1357.9	1393.7	1417.9	1446.7	1444.0
20°	1012.7	1009.5	1018.1	1034.1	1081.6	1188.0	1337.6	1393.7	1433.5	1470.9	1469.3
22.5°	1048.1	1043.1	1039.5	1037.6	1058.6	1140.5	1314.6	1389.1	1456.5	1505.6	1502.8
25°	1119.4	1111.6	1093.7	1076.2	1069.9	1119.0	1294.4	1387.9	1490.7	1552.3	1542.2
27.5°	1234.8	1225.0	1188.8	1146.7	1108.9	1129.9	1285.4	1394.9	1528.5	1601.8	1581.5
30°	1377.8	1367.2	1321.6	1257.0	1189.2	1170.5	1296.7	1415.5	1576.9	1667.6	1627.9
32.5°	1505.9	1494.3	1455.3	1389.4	1297.9	1240.6	1332.6	1454.9	1652.8	1759.2	1697.6
35°	1619.7	1606.1	1571.0	1510.2	1431.1	1339.2	1397.2	1524.6	1760.8	1908.0	1792.3
37.5°	1731.2	1715.2	1677.0	1612.7	1557.4	1470.5	1486.5	1614.3	1904.1	2088.8	1917.8
40°	1855.8	1832.8	1786.5	1723.0	1669.2	1624.4	1603.7	1724.1	2049.9	2290.7	2074.4
42.5°	1976.6	1954.8	1899.5	1845.3	1777.9	1765.0	1739.7	1852.7	2209.2	2512.4	2233.4
45°	2106.8	2080.7	2013.6	1945.1	1902.6	1858.6	1871.4	1981.3	2365.5	2738.4	2400.2
47.5°	2228.7	2199.5	2120.4	2044.0	2020.6	1937.3	1992.2	2122.7	2528.0	2967.5	2565.4
50°	2294.6	2265.7	2199.9	2130.9	2112.6	2034.3	2123.1	2278.2	2698.2	3195.8	2723.9
52.5°	2349.5	2318.3	2232.2	2194.0	2188.6	2139.9	2284.4	2455.9	2868.5	3397.6	2877.1
55°	2407.9	2373.3	2263.4	2229.1	2254.0	2258.3	2475.7	2657.3	3048.5	3594.4	3021.6
57.5°	2475.4	2431.3	2293.4	2258.7	2317.9	2397.0	2695.5	2866.2	3225.4	3776.7	3150.2
60°	2538.9	2494.4	2351.1	2305.9	2386.9	2558.0	2947.6	3119.0	3425.7	3939.2	3271.8
62.5°	2551.3	2514.7	2397.0	2396.6	2480.4	2745.8	3246.1	3374.2	3600.6	4099.7	3380.9
65°	2335.5	2312.5	2242.7	2393.1	2614.5	3016.2	3578.4	3700.8	3823.1	4240.0	3476.7
67.5°	1777.5	1780.6	1775.6	2065.8	2506.1	3404.6	4059.6	4050.3	4097.8	4397.4	3587.0
70°	812.8	831.1	950.3	1426.1	2007.8	3449.4	4855.2	4734.1	4442.6	4601.2	3682.4
72.5°	439.1	453.1	501.9	690.8	1207.1	3066.8	5449.8	5535.9	4901.2	4738.4	3577.6
75°	322.2	330.0	363.9	439.1	506.9	2279.4	5236.7	5678.5	4958.5	4418.5	3089.4
77.5°	241.2	244.7	272.4	347.9	259.5	1201.6	4184.3	4702.9	4244.7	3630.2	2282.1
80°	174.9	178.8	199.5	261.1	182.0	439.5	2873.2	3301.0	2907.1	2314.0	1137.3
82.5°	120.8	122.3	131.3	177.7	127.0	170.7	1630.2	1935.7	1622.8	812.0	307.0
85°	72.9	74.8	78.7	103.6	72.1	81.0	703.7	727.8	485.1	194.0	95.5
87.5°	30.0	32.0	35.1	43.6	28.4	22.6	116.1	145.7	90.8	56.9	29.6
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°	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4	1329.4
2.5°	1331.4	1328.7	1321.3	1311.1	1301.8	1290.1	1285.0	1280.7	1276.8	1269.4	1265.9
5°	1339.6	1332.2	1312.3	1286.6	1257.4	1225.4	1194.2	1172.8	1154.5	1140.9	1129.6
7.5°	1352.0	1338.0	1301.8	1249.2	1182.2	1113.6	1051.6	1007.6	974.5	962.4	941.4
10°	1364.9	1348.1	1285.0	1192.3	1076.6	971.0	888.8	843.6	817.1	808.5	795.2
12.5°	1380.1	1355.5	1258.9	1113.2	958.5	842.8	771.1	744.6	731.0	726.3	727.4
15°	1402.3	1361.8	1219.6	1014.2	845.9	749.3	702.9	684.6	677.6	677.2	678.7
17.5°	1419.1	1362.9	1158.4	908.2	759.4	692.8	654.6	647.6	652.2	659.3	662.0
20°	1437.8	1352.4	1078.1	811.6	698.6	643.3	627.3	632.0	643.3	653.4	656.9
22.5°	1451.0	1333.3	981.1	736.4	646.0	614.8	614.1	623.8	630.0	635.1	637.8
25°	1462.7	1301.0	878.2	673.3	602.8	597.7	606.3	603.2	598.9	603.2	605.9
27.5°	1471.3	1250.0	786.3	618.0	572.4	586.0	580.9	573.9	573.5	575.9	579.8
30°	1468.5	1181.8	710.7	565.4	550.9	564.2	552.1	550.9	549.8	550.9	555.2
32.5°	1468.5	1104.2	652.6	529.1	537.3	532.2	531.1	528.3	523.7	523.3	528.3
35°	1476.7	1026.7	602.8	509.6	526.0	513.9	514.7	508.1	498.3	493.7	498.3
37.5°	1493.5	964.3	553.3	500.3	506.1	505.7	502.6	491.3	474.2	459.4	464.4
40°	1534.0	946.0	519.4	496.0	496.8	501.5	493.3	471.5	432.5	408.3	411.5
42.5°	1597.5	976.8	512.0	485.5	490.6	495.2	479.3	428.6	400.9	386.5	386.5
45°	1678.2	1030.6	528.0	470.3	475.7	483.9	436.4	412.2	399.8	400.2	402.1
47.5°	1780.2	1087.1	557.6	457.0	454.3	459.0	407.9	393.1	376.0	380.3	391.2
50°	1898.3	1144.4	585.6	439.1	430.5	415.4	389.6	375.6	353.8	343.7	346.4
52.5°	2026.1	1199.7	596.9	417.3	404.8	387.3	377.2	360.0	333.5	316.8	316.4
55°	2147.3	1250.0	584.5	391.2	379.1	365.5	363.9	353.4	325.0	301.6	301.6
57.5°	2261.8	1292.0	553.3	364.7	353.0	344.8	355.3	350.3	314.4	284.4	282.9
60°	2358.9	1320.9	508.1	337.8	329.6	325.3	341.3	339.8	299.6	266.1	265.0
62.5°	2436.0	1332.2	458.2	312.1	310.1	302.4	321.8	321.8	280.9	248.2	247.0
65°	2496.4	1321.3	407.6	286.8	290.7	279.0	298.1	295.7	261.1	232.2	230.7
67.5°	2549.8	1285.4	351.5	261.8	270.8	256.0	273.1	267.7	239.2	216.2	214.7
70°	2573.5	1202.0	287.6	236.9	247.8	233.4	248.2	238.1	214.7	199.1	196.0
72.5°	2382.6	999.0	226.4	210.8	220.1	208.5	221.3	209.6	188.2	181.2	175.3
75°	1971.2	749.7	174.2	182.3	189.4	180.4	189.0	180.4	160.9	166.0	151.6
77.5°	1431.5	506.1	133.3	152.3	155.5	150.8	158.2	148.5	130.9	129.7	123.9
80°	711.9	296.5	104.4	120.4	119.2	116.1	124.7	120.0	105.2	111.4	110.3
82.5°	206.1	127.0	76.0	84.6	82.2	83.0	89.2	91.6	137.2	136.0	139.1
85°	64.7	49.9	45.6	47.1	44.8	46.0	52.6	104.4	96.6	56.5	61.2
87.5°	16.8	17.1	11.3	12.1	12.5	14.8	16.8	63.5	30.4	19.9	21.0
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)