

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: P940077

Luminaire Tested: **GALN-SB3A-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
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-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11126 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

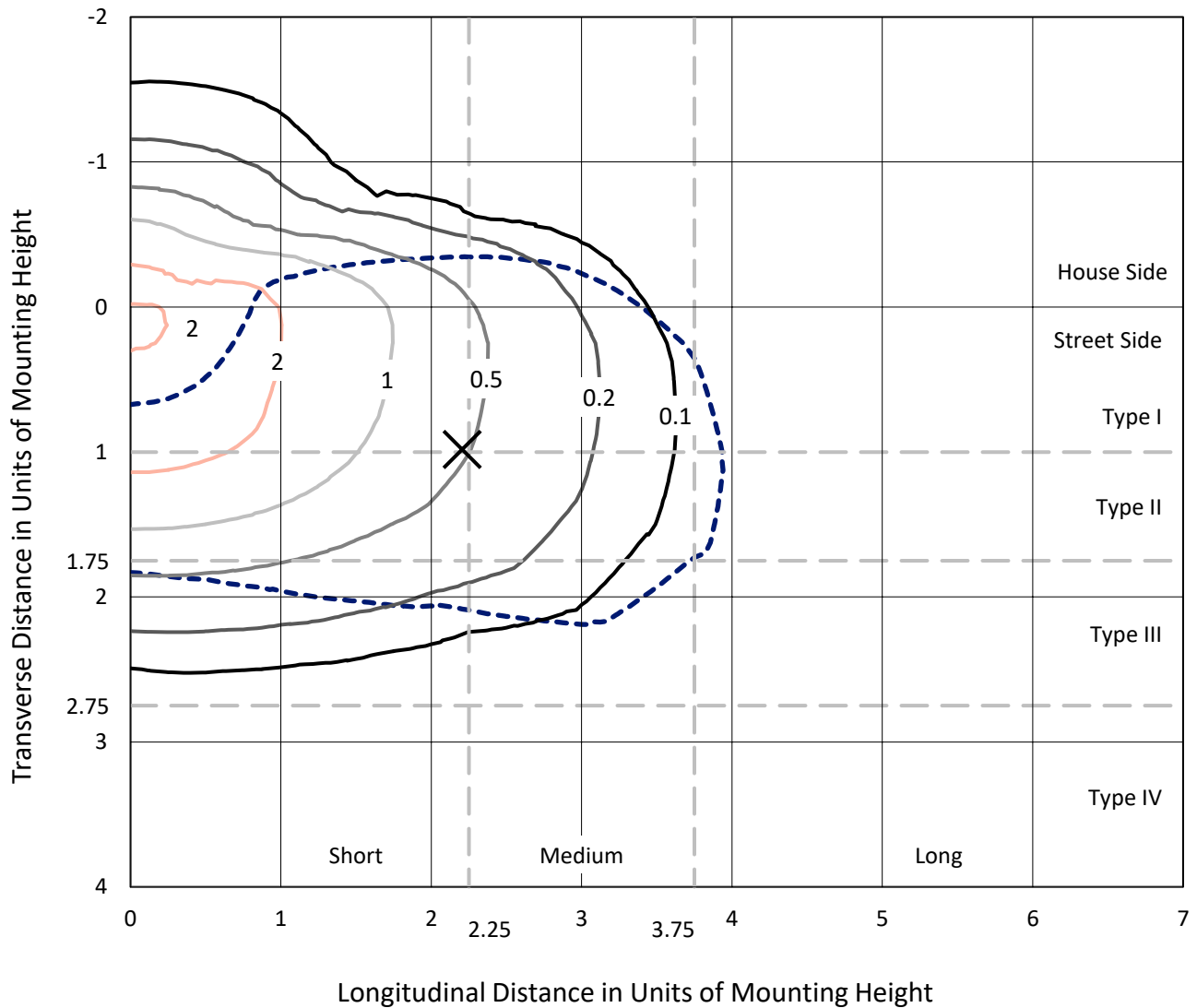
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

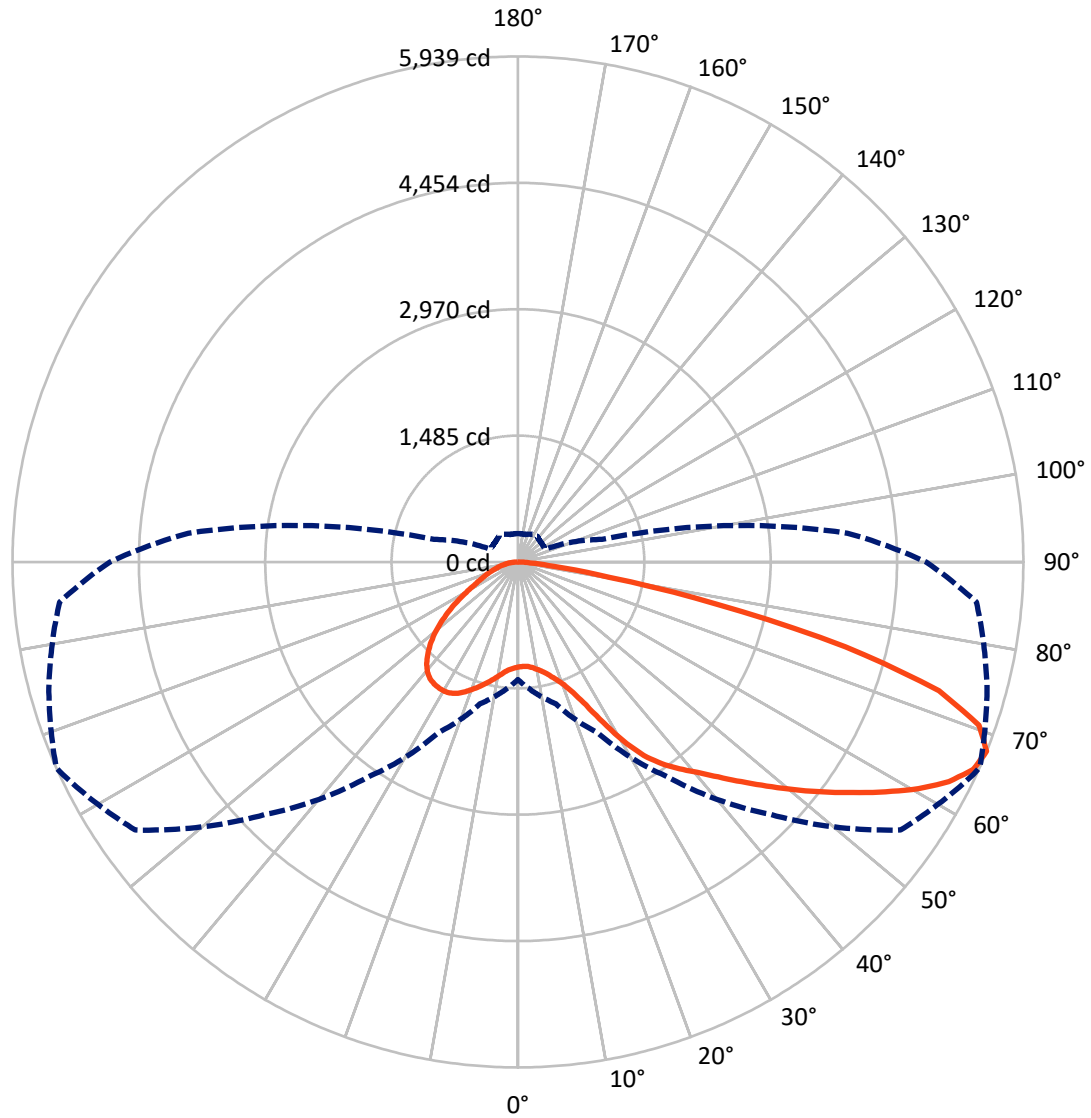
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2766.4	0.0	2766.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	8359.6	0.0	8359.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	11126.0	0.0	11126.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	1.1
10°-20°	404.2	3.6
20°-30°	779.1	7.0
30°-40°	1366.1	12.3
40°-50°	2030.9	18.3
50°-60°	2574.4	23.1
60°-70°	2519.0	22.6
70°-80°	1201.6	10.8
80°-90°	128.4	1.2
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°	11126.0	100.0
0°-180°	11126.0	100.0

Coefficient of Utilization



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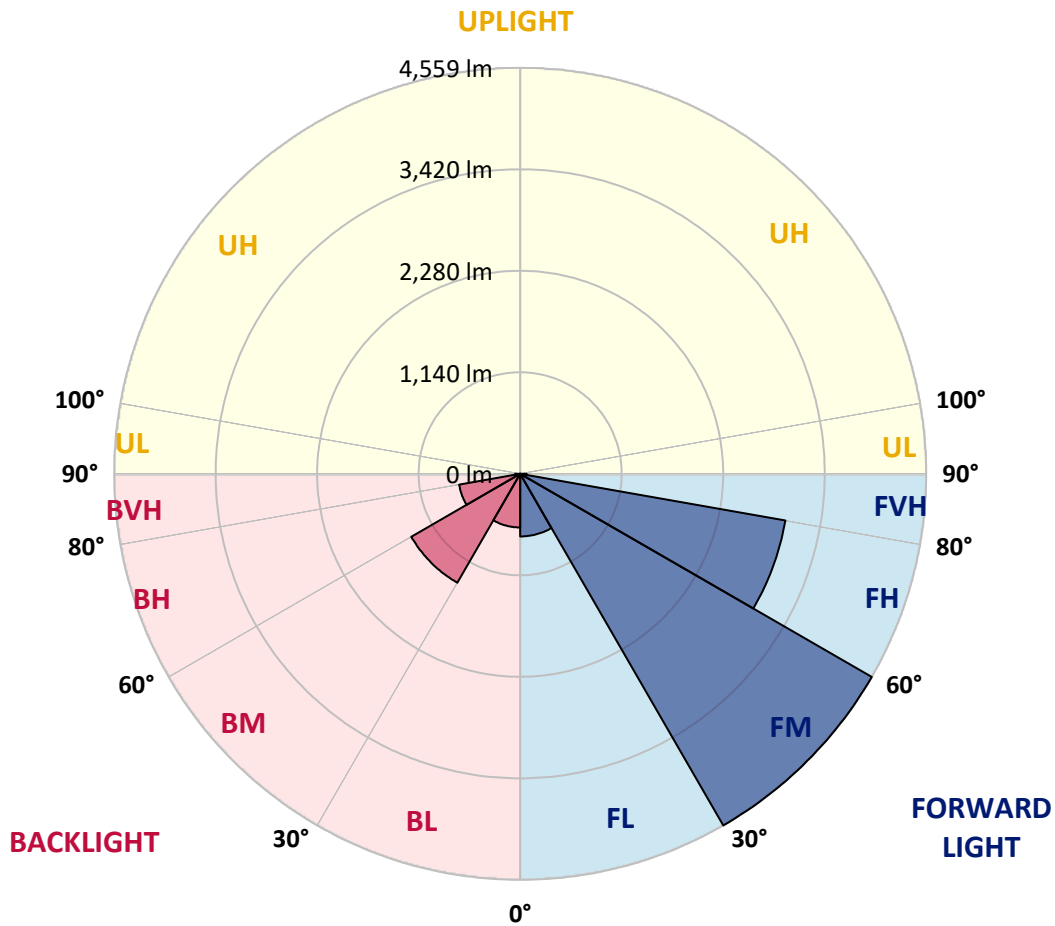
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	703.1	6.3			
FM	(30°-60°)	4559.3	41.0			
FH	(60°-80°)	3024.4	27.2			G2/5000
FVH	(80°-90°)	72.8	0.7			G1/100
BL	(0°-30°)	602.6	5.4	B2/1000		
BM	(30°-60°)	1412.0	12.7	B2/2500		
BH	(60°-80°)	696.2	6.3	B2/1000		G2/1000
BVH	(80°-90°)	55.6	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0
2.5°	1221.2	1228.2	1226.4	1223.5	1222.9	1224.1	1225.8	1227.6	1227.0	1229.9	1234.6
5°	1217.7	1224.7	1224.1	1224.1	1226.4	1231.1	1234.0	1236.9	1234.0	1237.5	1244.0
7.5°	1220.0	1225.3	1227.6	1229.9	1235.8	1244.5	1251.6	1258.0	1254.5	1258.6	1266.8
10°	1249.8	1253.9	1256.2	1256.2	1260.3	1270.3	1277.3	1289.0	1286.0	1292.5	1303.0
12.5°	1304.2	1308.3	1308.3	1305.9	1308.8	1315.3	1317.6	1330.5	1325.2	1335.7	1346.3
15°	1370.8	1379.0	1372.6	1368.5	1369.6	1376.1	1375.5	1385.4	1380.2	1388.9	1398.3
17.5°	1444.5	1455.0	1444.5	1443.9	1441.5	1448.6	1449.1	1457.9	1448.6	1455.0	1461.4
20°	1531.6	1546.2	1537.4	1540.3	1535.1	1538.0	1540.9	1553.8	1539.2	1543.8	1542.1
22.5°	1654.3	1671.9	1662.5	1673.6	1670.1	1667.8	1667.2	1690.0	1667.2	1668.9	1652.0
25°	1833.2	1854.2	1837.9	1853.1	1853.1	1860.7	1869.4	1898.7	1860.7	1849.6	1805.7
27.5°	2097.4	2118.5	2086.3	2095.7	2092.7	2111.5	2102.1	2174.6	2133.7	2115.5	2027.3
30°	2415.4	2452.8	2392.0	2389.7	2386.8	2416.6	2430.0	2478.0	2436.5	2418.4	2312.0
32.5°	2759.2	2798.3	2725.8	2704.8	2693.7	2711.8	2700.7	2739.3	2710.6	2682.6	2551.0
35°	3122.8	3161.3	3092.4	3051.4	3007.0	2969.0	2929.3	2939.2	2912.3	2869.6	2733.4
37.5°	3466.5	3537.2	3464.1	3420.3	3338.5	3264.2	3153.2	3107.0	3081.8	3042.7	2905.3
40°	3816.6	3857.0	3801.4	3764.0	3675.2	3558.8	3381.1	3283.5	3249.6	3211.6	3095.3
42.5°	4074.4	4113.0	4083.2	4057.5	3987.9	3852.9	3623.1	3501.0	3451.9	3409.2	3310.4
45°	4279.0	4307.7	4289.0	4298.3	4268.5	4137.6	3873.9	3734.2	3683.4	3631.3	3553.6
47.5°	4361.5	4391.9	4421.7	4477.2	4528.1	4431.6	4143.4	3986.7	3933.0	3879.8	3803.2
50°	4352.1	4383.1	4469.6	4587.7	4745.5	4713.4	4427.5	4255.6	4206.0	4145.2	4074.4
52.5°	4277.3	4312.3	4423.4	4619.8	4871.2	4924.4	4716.9	4533.3	4486.5	4414.1	4343.3
55°	4080.9	4101.9	4268.5	4546.8	4901.0	5071.7	5000.4	4829.1	4782.3	4681.2	4604.0
57.5°	3716.7	3747.1	3989.7	4349.8	4826.2	5171.7	5249.4	5140.1	5095.1	4949.5	4868.9
60°	3241.4	3289.9	3567.6	4018.9	4635.6	5171.1	5475.6	5445.8	5408.4	5213.8	5129.6
62.5°	2703.6	2759.7	3026.9	3551.2	4302.4	5024.4	5617.1	5701.9	5682.6	5457.5	5350.0
65°	2076.4	2115.0	2380.9	2946.2	3783.9	4709.3	5633.5	5876.6	5880.2	5642.8	5465.1
67.5°	1382.5	1493.6	1724.5	2210.8	3089.4	4194.3	5489.7	5905.3	5939.2	5706.5	5407.2
70°	674.6	820.7	1047.0	1436.9	2210.8	3404.5	5113.8	5670.3	5745.7	5520.6	5062.3
72.5°	280.0	327.4	450.7	709.1	1269.1	2297.3	4358.5	5033.1	5172.8	4891.7	4256.2
75°	188.8	204.6	257.8	363.6	578.1	1132.9	3143.2	3752.9	3978.0	3694.5	3019.9
77.5°	145.6	155.5	187.6	254.3	343.7	428.5	1682.4	2261.7	2378.0	2201.5	1571.3
80°	114.6	122.2	140.3	185.3	243.8	229.2	573.5	1024.7	1092.0	916.0	505.1
82.5°	99.4	102.3	100.5	125.7	161.9	133.9	188.2	378.2	417.4	302.8	164.8
85°	71.9	80.1	83.6	77.7	85.9	67.8	77.2	133.9	147.3	131.5	92.9
87.5°	29.2	43.3	53.2	50.3	31.6	19.3	24.0	39.2	45.0	49.1	30.4
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°	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0	1234.0
2.5°	1235.2	1239.3	1242.2	1245.7	1248.1	1251.6	1258.6	1262.7	1263.2	1266.2	1265.6
5°	1246.3	1252.1	1258.6	1267.9	1278.4	1287.2	1300.7	1310.0	1313.5	1316.4	1315.9
7.5°	1270.3	1278.4	1290.1	1306.5	1321.7	1333.4	1349.8	1360.9	1372.0	1376.1	1376.7
10°	1305.9	1317.6	1334.6	1356.8	1373.1	1388.3	1405.3	1414.7	1425.8	1430.4	1432.8
12.5°	1350.3	1362.6	1384.8	1415.8	1431.0	1441.5	1447.4	1445.0	1447.4	1451.5	1452.6
15°	1401.2	1414.7	1439.8	1473.1	1483.6	1474.3	1461.4	1449.7	1448.0	1449.1	1453.2
17.5°	1461.4	1471.4	1500.6	1528.6	1521.0	1482.5	1454.4	1435.7	1426.3	1423.4	1427.5
20°	1545.6	1545.6	1569.6	1587.1	1536.2	1470.8	1426.9	1396.5	1377.2	1369.1	1367.3
22.5°	1647.9	1638.5	1653.7	1641.5	1533.3	1438.0	1377.2	1324.6	1295.4	1283.7	1282.0
25°	1777.7	1766.6	1762.5	1686.5	1512.3	1386.0	1287.2	1223.5	1197.8	1191.3	1192.5
27.5°	1973.5	1945.4	1892.2	1711.0	1473.7	1304.2	1182.0	1123.0	1108.3	1108.9	1110.7
30°	2234.2	2178.1	2047.7	1715.1	1410.6	1188.4	1074.4	1032.3	1025.3	1028.3	1038.2
32.5°	2475.6	2422.4	2206.7	1696.4	1313.5	1075.0	978.0	949.9	939.4	942.9	947.6
35°	2665.0	2650.4	2354.1	1670.1	1194.3	968.6	891.5	867.5	847.0	842.4	845.9
37.5°	2843.9	2838.1	2464.5	1633.3	1076.2	893.2	821.9	790.3	760.5	744.2	744.7
40°	3040.3	3034.5	2537.0	1576.6	971.5	827.7	759.4	717.8	681.0	651.2	654.1
42.5°	3261.3	3226.8	2571.5	1495.3	882.7	772.2	708.5	652.4	603.9	576.4	578.1
45°	3502.7	3425.0	2570.9	1391.9	807.9	721.4	654.1	574.6	529.6	503.9	502.7
47.5°	3758.8	3614.4	2539.4	1277.3	735.4	665.2	570.0	509.2	479.3	463.6	460.1
50°	4023.0	3791.5	2485.6	1145.8	661.1	601.5	517.3	475.8	453.0	438.4	433.2
52.5°	4271.4	3952.3	2420.7	996.7	585.7	539.6	494.0	461.8	437.8	421.5	414.5
55°	4502.3	4090.8	2328.9	844.1	524.4	498.1	482.9	456.0	428.5	409.2	401.6
57.5°	4707.5	4180.8	2170.5	700.9	480.5	469.4	471.2	446.0	414.5	398.1	387.6
60°	4878.2	4246.9	1936.1	568.2	444.9	441.3	453.0	427.3	390.5	371.8	363.6
62.5°	4980.5	4245.7	1648.5	465.3	414.5	415.6	429.1	403.9	366.5	349.0	343.7
65°	4971.7	4141.7	1332.8	398.1	385.2	386.4	403.9	378.2	346.6	336.1	335.5
67.5°	4795.8	3888.0	1022.4	354.2	353.1	358.3	378.8	360.7	334.4	333.2	335.0
70°	4319.4	3361.3	736.6	319.2	319.8	327.4	354.2	349.6	327.9	330.3	329.7
72.5°	3463.6	2562.7	494.5	282.3	282.9	295.2	330.9	340.8	321.5	352.5	357.2
75°	2306.7	1598.2	318.0	243.2	243.8	259.5	310.4	323.8	304.0	351.3	354.2
77.5°	1108.3	718.4	230.3	204.6	204.6	219.2	268.3	289.9	259.0	273.0	250.2
80°	382.9	270.1	181.2	164.8	161.3	171.3	226.2	251.4	223.3	205.8	192.9
82.5°	150.8	140.3	145.6	128.0	116.3	122.8	176.0	207.5	164.3	148.5	147.9
85°	86.5	91.2	102.9	84.8	67.2	75.4	129.2	149.1	123.9	109.3	111.7
87.5°	23.4	32.2	47.3	43.8	30.4	32.2	61.4	82.4	71.3	54.9	56.7
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)