

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: P953406

Luminaire Tested: **GALN-SB7A-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953406
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-SB7A-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 25756 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

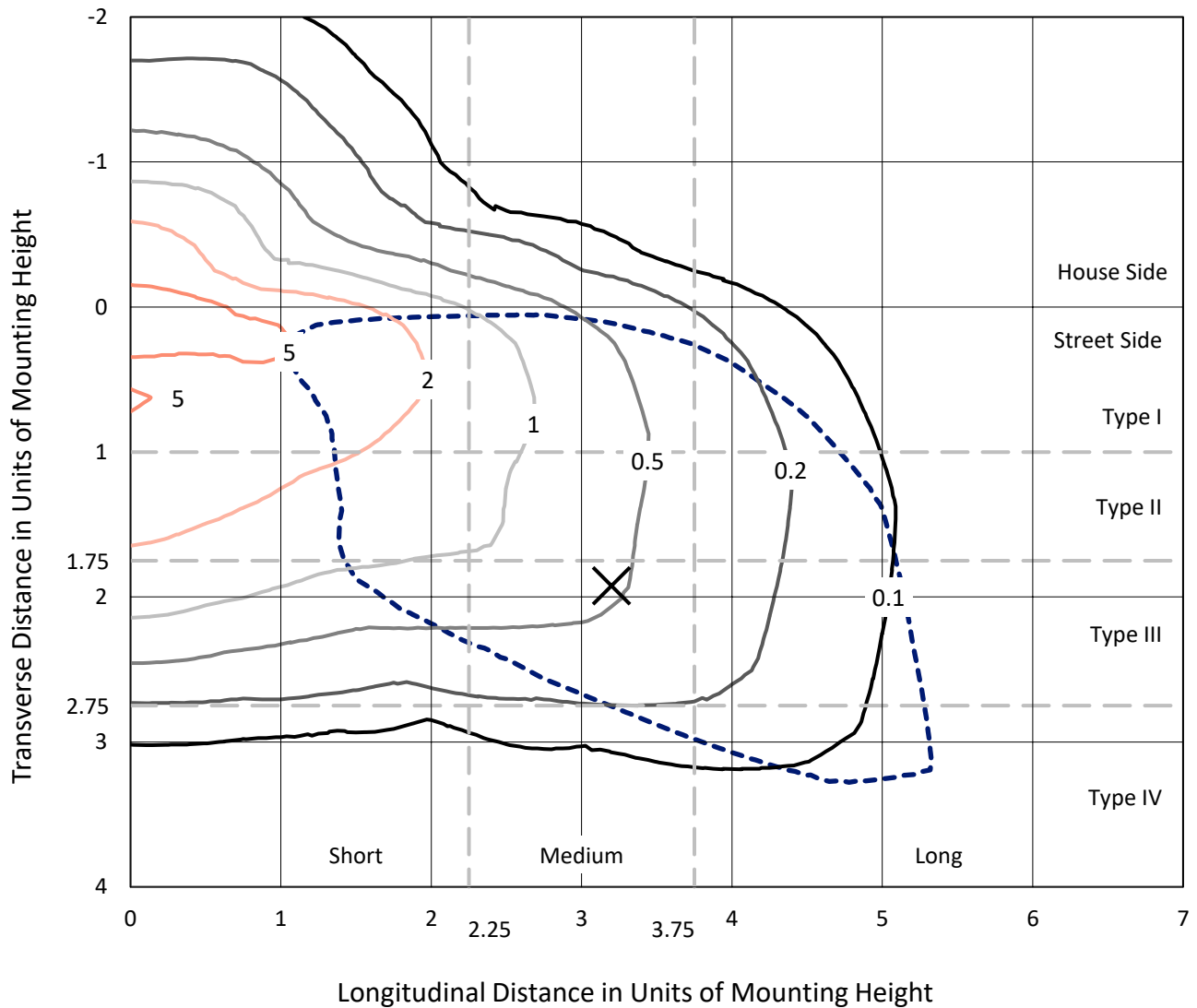
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

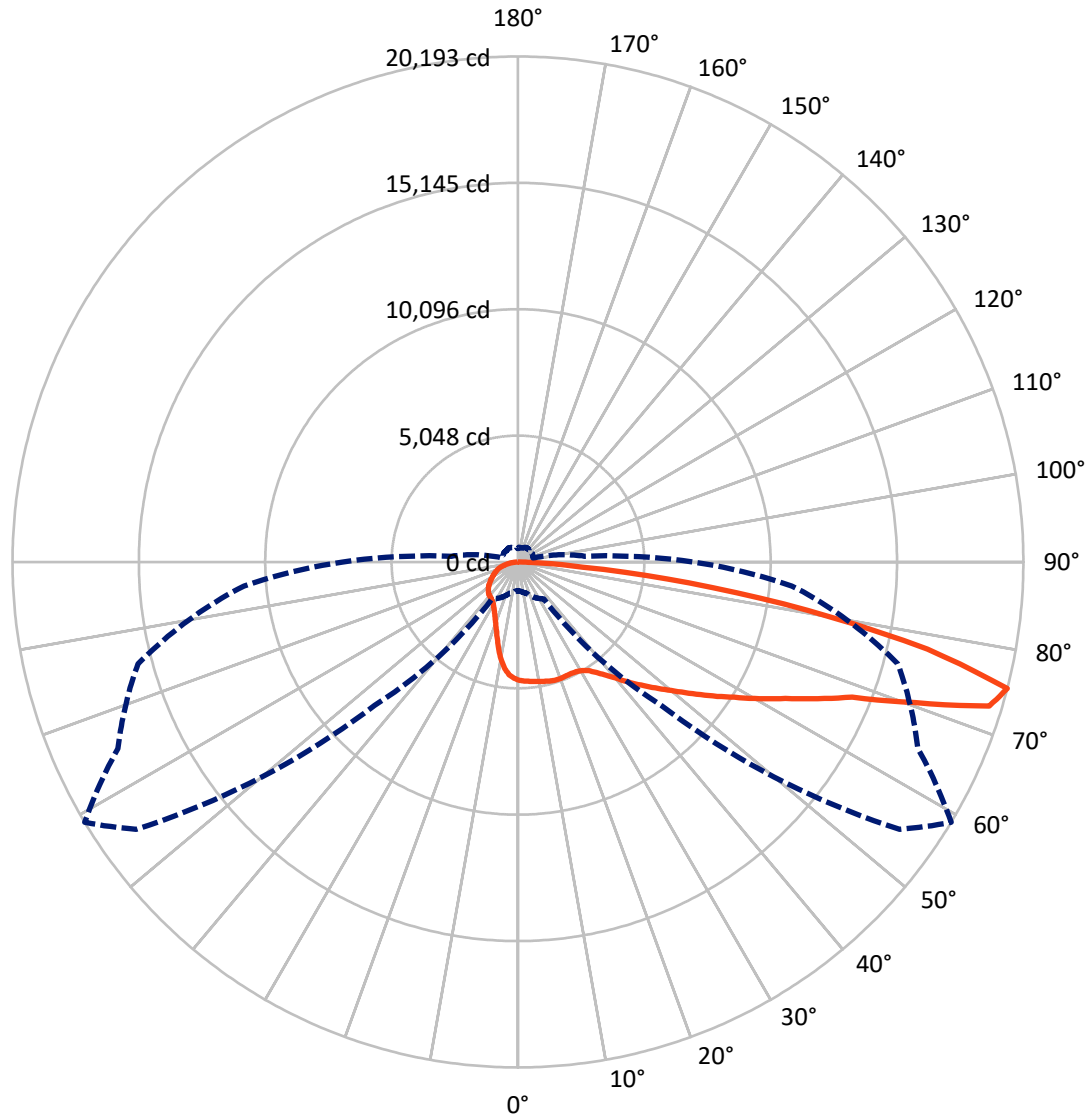
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4830.7	0.0	4830.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	20925.3	0.0	20925.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	25756.0	0.0	25756.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.9	1.6
10°-20°	1083.5	4.2
20°-30°	1645.7	6.4
30°-40°	2446.4	9.5
40°-50°	3638.2	14.1
50°-60°	4938.4	19.2
60°-70°	6028.9	23.4
70°-80°	4731.4	18.4
80°-90°	819.6	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°	25756.0	100.0
0°-180°	25756.0	100.0

Coefficient of Utilization



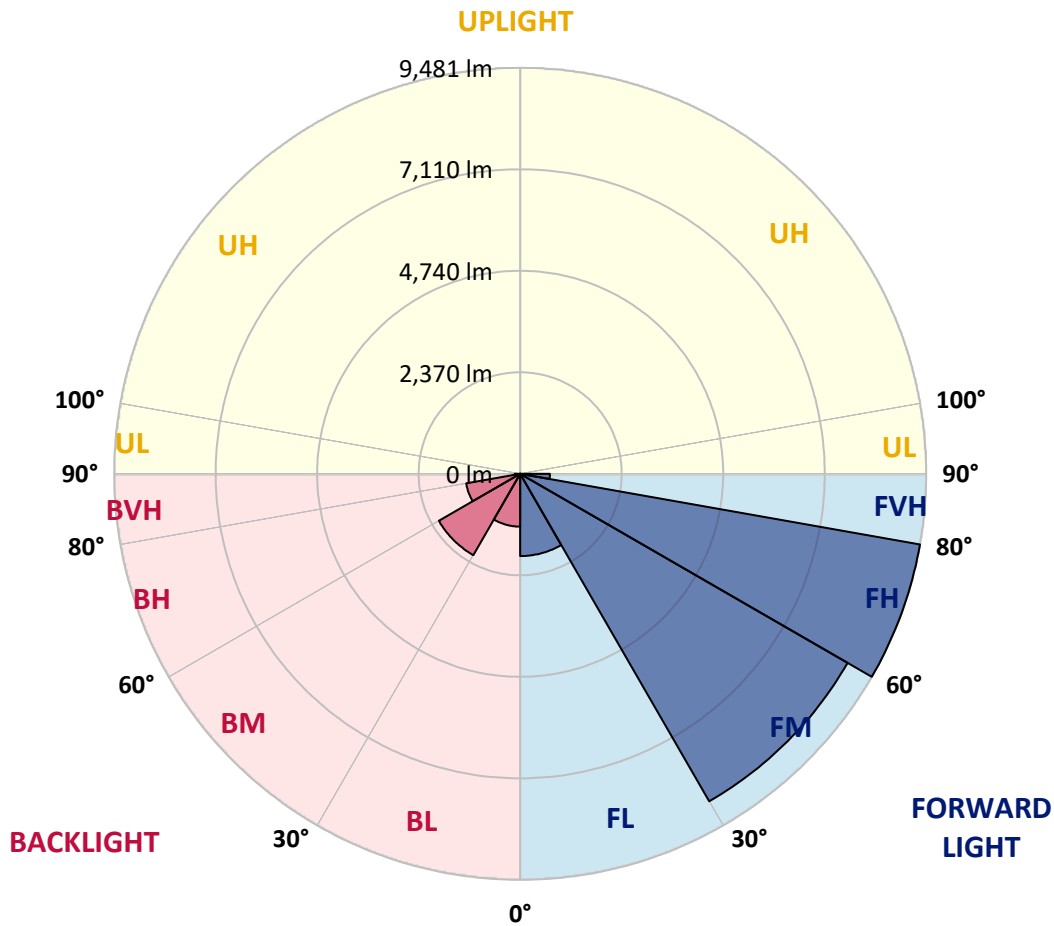
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1920.4	7.5			
FM (30°-60°)	8830.2	34.3			
FH (60°-80°)	9480.5	36.8			G4/12000
FVH (80°-90°)	694.1	2.7			G4/750
BL (0°-30°)	1232.7	4.8	B3/2500		
BM (30°-60°)	2192.7	8.5	B2/2500		
BH (60°-80°)	1279.8	5.0	B3/2500		G3/2500
BVH (80°-90°)	125.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	4727.5	4727.5	4727.5	4727.5	4727.5	4727.5	4727.5	4727.5	4727.5	4727.5	4727.5
2.5°	4767.6	4751.0	4767.6	4760.7	4757.9	4752.4	4753.8	4763.5	4757.9	4764.9	4741.3
5°	4735.8	4726.1	4742.7	4738.5	4756.6	4759.3	4777.3	4788.4	4795.3	4796.7	4778.7
7.5°	4683.1	4673.4	4697.0	4716.4	4755.2	4766.3	4803.7	4821.7	4831.4	4848.0	4821.7
10°	4490.5	4486.4	4544.6	4618.0	4709.4	4766.3	4823.1	4853.5	4868.8	4913.1	4882.6
12.5°	4149.7	4155.2	4231.4	4372.8	4555.6	4738.5	4845.2	4889.6	4913.1	4968.5	4954.7
15°	3824.1	3822.7	3905.8	4056.9	4313.2	4616.6	4856.3	4932.5	4972.7	5054.4	5043.4
17.5°	3635.7	3630.1	3688.3	3803.3	4041.6	4429.6	4828.6	4956.1	5042.0	5144.5	5134.8
20°	3601.0	3589.9	3620.4	3677.2	3846.3	4224.5	4756.6	4956.1	5097.4	5230.4	5224.9
22.5°	3727.1	3709.1	3696.6	3689.7	3764.5	4055.5	4674.8	4939.4	5179.1	5353.7	5344.0
25°	3980.7	3952.9	3889.2	3826.9	3804.7	3979.3	4602.8	4935.3	5301.1	5520.0	5484.0
27.5°	4390.8	4356.1	4227.3	4077.6	3943.2	4018.1	4570.9	4960.2	5435.5	5695.9	5623.9
30°	4899.3	4861.9	4699.7	4469.7	4228.7	4162.2	4611.1	5033.7	5607.3	5930.1	5788.8
32.5°	5355.1	5313.5	5175.0	4940.8	4615.2	4411.6	4738.5	5173.6	5877.5	6255.7	6036.8
35°	5759.7	5711.2	5586.5	5370.3	5089.1	4762.1	4968.5	5421.6	6261.2	6785.0	6373.5
37.5°	6155.9	6099.1	5963.4	5734.7	5538.0	5229.0	5285.8	5740.3	6771.1	7427.9	6819.6
40°	6599.3	6517.6	6352.7	6126.9	5935.6	5776.3	5702.9	6131.0	7289.3	8145.6	7376.6
42.5°	7028.8	6951.2	6754.5	6561.9	6322.2	6276.5	6186.4	6588.2	7856.0	8934.0	7941.9
45°	7491.6	7398.8	7160.5	6916.6	6765.6	6609.0	6654.7	7045.5	8411.6	9737.6	8534.9
47.5°	7925.3	7821.4	7540.1	7268.5	7185.4	6888.9	7084.3	7548.4	8989.4	10552.3	9122.4
50°	8159.4	8056.9	7822.7	7577.5	7512.4	7233.9	7549.8	8101.2	9594.9	11364.2	9686.3
52.5°	8354.8	8244.0	7937.7	7802.0	7782.6	7609.4	8123.4	8733.0	10200.3	12081.9	10230.8
55°	8562.6	8439.3	8048.6	7926.7	8015.3	8030.6	8803.7	9449.4	10840.5	12781.6	10744.8
57.5°	8802.3	8645.8	8155.3	8032.0	8242.6	8523.8	9585.2	10192.0	11469.5	13430.0	11202.1
60°	9028.2	8870.2	8360.3	8199.6	8487.8	9096.1	10481.6	11091.2	12181.7	14007.8	11634.4
62.5°	9072.5	8942.3	8523.8	8522.4	8820.3	9763.9	11542.9	11998.8	12803.8	14578.6	12022.3
65°	8304.9	8223.2	7975.2	8510.0	9297.0	10725.5	12724.8	13159.8	13594.9	15077.4	12363.2
67.5°	6320.8	6331.9	6313.9	7346.1	8911.8	12106.8	14435.9	14402.7	14571.7	15637.2	12755.3
70°	2890.2	2955.4	3379.3	5071.1	7139.7	12266.2	17265.2	16834.3	15797.9	16361.8	13094.7
72.5°	1561.5	1611.4	1784.6	2456.6	4292.4	10905.6	19379.5	19685.7	17428.7	16849.5	12722.0
75°	1145.8	1173.6	1294.1	1561.5	1802.6	8105.4	18621.6	20192.8	17632.4	15712.0	10985.9
77.5°	857.6	870.1	968.5	1237.3	922.8	4273.0	14879.3	16723.4	15094.1	12909.1	8115.1
80°	622.1	636.0	709.4	928.3	647.0	1562.9	10217.0	11738.3	10337.5	8228.7	4044.4
82.5°	429.5	435.1	466.9	631.8	451.7	606.9	5797.1	6883.4	5770.8	2887.5	1091.8
85°	259.1	266.0	279.9	368.6	256.3	288.2	2502.3	2588.2	1725.0	690.0	339.5
87.5°	106.7	113.6	124.7	155.2	101.1	80.4	412.9	518.2	322.8	202.3	105.3
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°	4727.5	4727.5	4727.5	4727.5	4727.5	4727.5	4727.5	4727.5	4727.5	4727.5	4727.5
2.5°	4734.4	4724.7	4698.4	4662.3	4629.1	4587.5	4569.5	4554.3	4540.4	4514.1	4501.6
5°	4763.5	4737.2	4666.5	4575.0	4471.1	4357.5	4246.7	4170.5	4105.3	4056.9	4016.7
7.5°	4807.8	4757.9	4629.1	4442.0	4203.7	3959.9	3739.6	3583.0	3465.2	3422.3	3347.5
10°	4853.5	4794.0	4569.5	4239.7	3828.2	3452.8	3160.4	2999.7	2905.5	2875.0	2827.9
12.5°	4907.6	4820.3	4476.7	3958.5	3408.4	2996.9	2742.0	2647.8	2599.3	2582.6	2586.8
15°	4986.6	4842.5	4336.7	3606.6	3008.0	2664.4	2499.5	2434.4	2409.5	2408.1	2413.6
17.5°	5046.1	4846.6	4119.2	3229.7	2700.4	2463.5	2327.7	2302.8	2319.4	2344.3	2354.0
20°	5112.6	4809.2	3833.8	2886.1	2484.3	2287.5	2230.7	2247.3	2287.5	2323.5	2336.0
22.5°	5159.7	4741.3	3488.8	2618.7	2297.2	2186.4	2183.6	2218.2	2240.4	2258.4	2268.1
25°	5201.3	4626.3	3123.0	2394.2	2143.4	2125.4	2155.9	2144.8	2129.6	2144.8	2154.5
27.5°	5231.8	4444.8	2796.0	2197.5	2035.4	2083.8	2065.8	2040.9	2039.5	2047.8	2061.7
30°	5222.1	4202.3	2527.2	2010.4	1959.2	2006.3	1963.3	1959.2	1955.0	1959.2	1974.4
32.5°	5222.1	3926.6	2320.8	1881.6	1910.7	1892.6	1888.5	1878.8	1862.2	1860.8	1878.8
35°	5251.2	3650.9	2143.4	1812.3	1870.5	1827.5	1830.3	1806.7	1772.1	1755.5	1772.1
37.5°	5310.8	3429.2	1967.5	1779.0	1799.8	1798.4	1787.3	1747.2	1686.2	1633.5	1651.6
40°	5454.9	3364.1	1846.9	1763.8	1766.6	1783.2	1754.1	1676.5	1537.9	1452.0	1463.1
42.5°	5680.7	3473.5	1820.6	1726.4	1744.4	1761.0	1704.2	1524.1	1425.7	1374.5	1374.5
45°	5967.5	3664.7	1877.4	1672.3	1691.7	1720.8	1551.8	1465.9	1421.6	1422.9	1429.9
47.5°	6330.5	3865.7	1982.7	1625.2	1615.5	1632.2	1450.7	1398.0	1337.0	1352.3	1391.1
50°	6750.3	4069.3	2082.5	1561.5	1531.0	1477.0	1385.5	1335.7	1258.1	1222.0	1231.7
52.5°	7204.8	4266.1	2122.6	1483.9	1439.6	1377.2	1341.2	1280.2	1186.0	1126.4	1125.1
55°	7635.7	4444.8	2078.3	1391.1	1348.1	1299.6	1294.1	1256.7	1155.5	1072.4	1072.4
57.5°	8043.0	4594.4	1967.5	1296.9	1255.3	1226.2	1263.6	1245.6	1118.1	1011.4	1005.9
60°	8388.0	4697.0	1806.7	1201.3	1172.2	1156.9	1213.7	1208.2	1065.5	946.3	942.2
62.5°	8662.4	4737.2	1629.4	1109.8	1102.9	1075.2	1144.5	1144.5	999.0	882.6	878.4
65°	8877.1	4698.4	1449.3	1019.8	1033.6	992.0	1059.9	1051.6	928.3	825.8	820.2
67.5°	9067.0	4570.9	1249.8	931.1	962.9	910.3	971.3	951.9	850.7	769.0	763.4
70°	9151.5	4274.4	1022.5	842.4	881.2	829.9	882.6	846.6	763.4	708.0	696.9
72.5°	8472.6	3552.5	805.0	749.6	782.8	741.3	787.0	745.4	669.2	644.3	623.5
75°	7009.4	2665.8	619.3	648.4	673.4	641.5	672.0	641.5	572.2	590.2	539.0
77.5°	5090.5	1799.8	473.9	541.7	552.8	536.2	562.5	527.9	465.5	461.4	440.6
80°	2531.4	1054.4	371.3	428.1	424.0	412.9	443.4	426.7	374.1	396.3	392.1
82.5°	732.9	451.7	270.2	300.7	292.3	295.1	317.3	325.6	487.7	483.6	494.6
85°	230.0	177.3	162.1	167.7	159.3	163.5	187.0	371.3	343.6	200.9	217.5
87.5°	59.6	61.0	40.2	43.0	44.3	52.7	59.6	225.8	108.1	70.7	74.8
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)