

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: P526568

Luminaire Tested: **GALN-SA1C-735-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-735-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5617 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

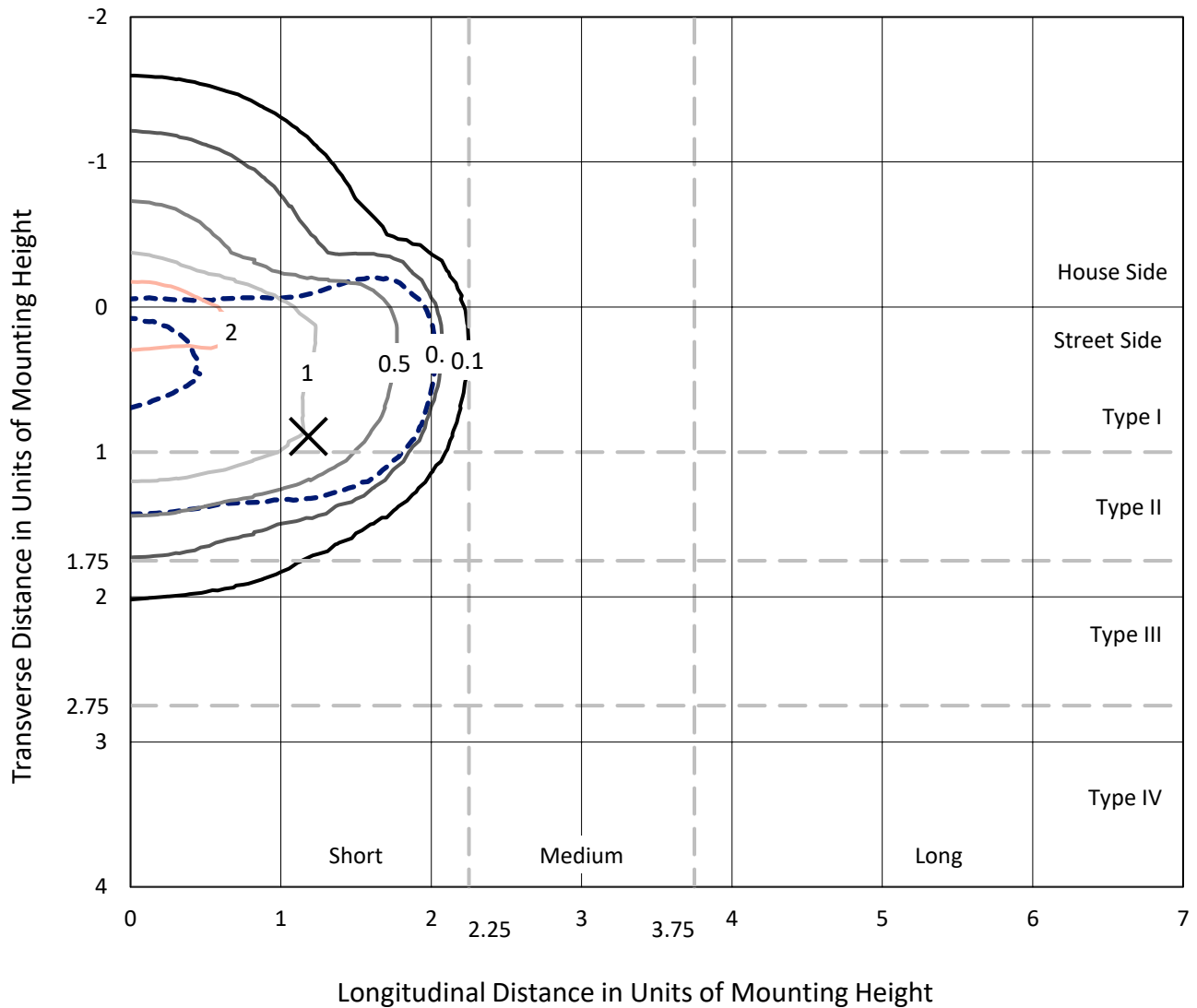
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

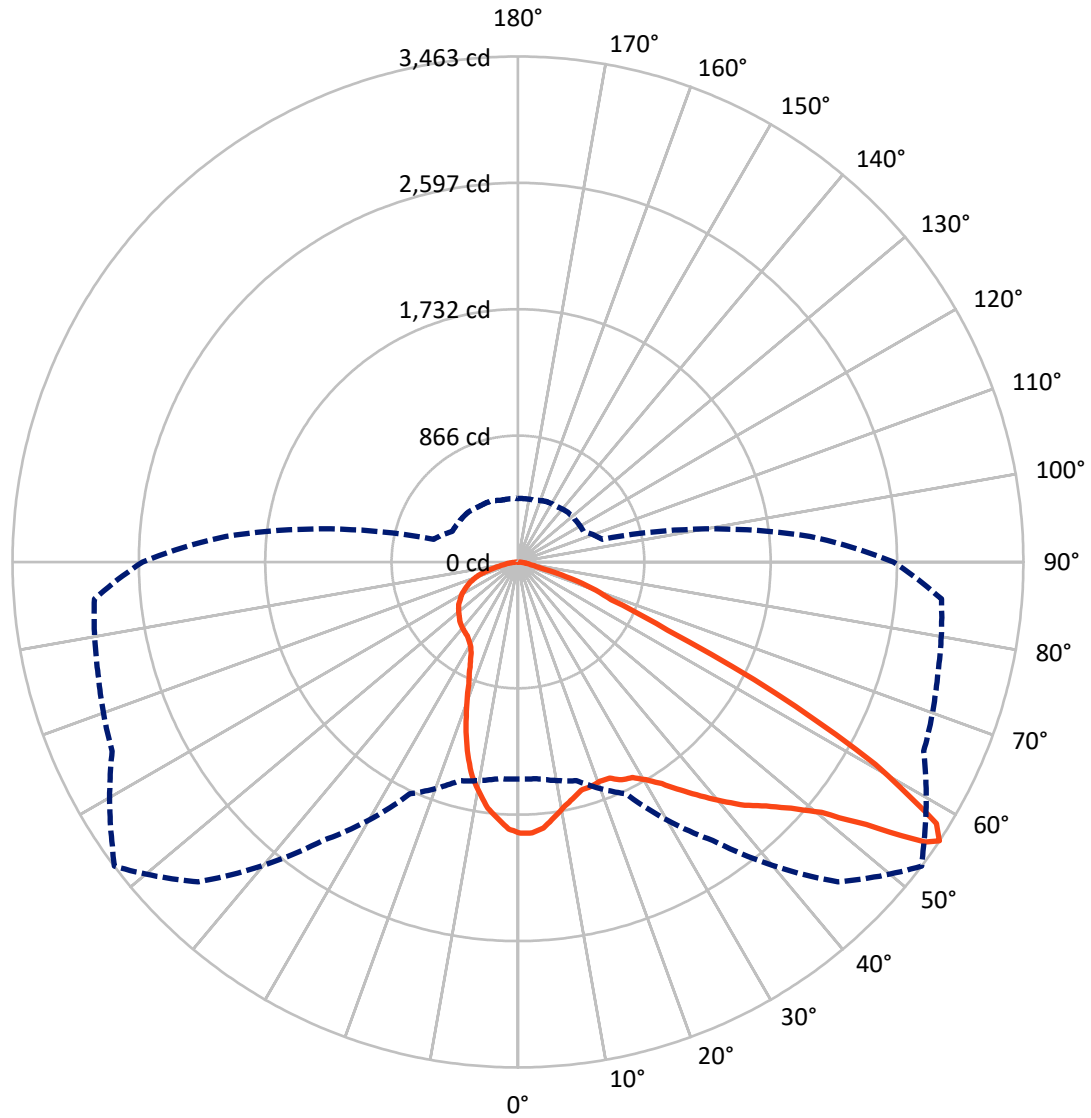
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - N/A

REPORT NUMBER: P526568
CATALOG NUMBER: GALN-SA1C-735-U-SL2-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1639.2	0.0	1639.2
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	3977.8	0.0	3977.8
	% Fixture	70.8	0.0	70.8
Total	Lumens	5617.0	0.0	5617.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.5	2.9
10°-20°	410.9	7.3
20°-30°	605.9	10.8
30°-40°	865.7	15.4
40°-50°	1191.5	21.2
50°-60°	1408.0	25.1
60°-70°	750.4	13.4
70°-80°	190.4	3.4
80°-90°	29.7	0.5
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°	5617.0	100.0
0°-180°	5617.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526568

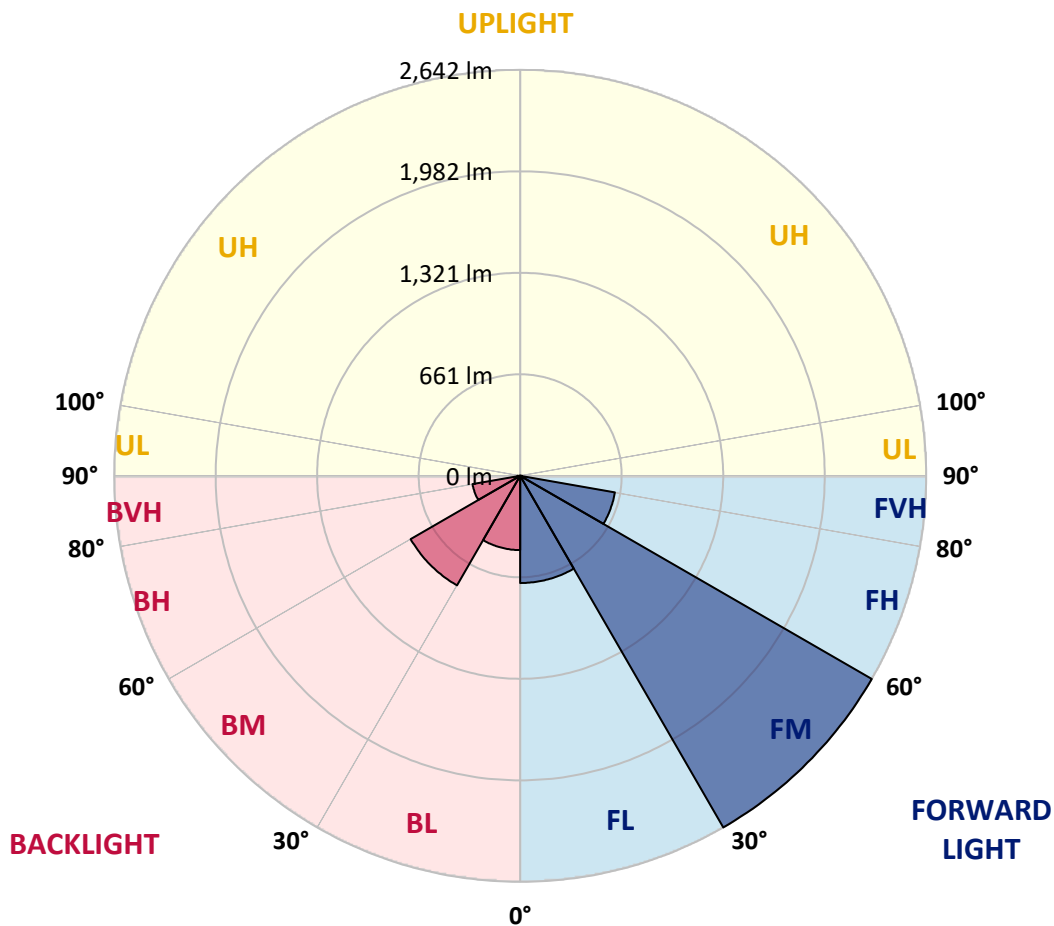
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	697.8	12.4			
FM (30°-60°)	2642.1	47.0			
FH (60°-80°)	625.9	11.1			G0/660
FVH (80°-90°)	11.9	0.2			G1/100
BL (0°-30°)	483.5	8.6	B1/500		
BM (30°-60°)	823.1	14.7	B1/1000		
BH (60°-80°)	314.8	5.6	B1/500		G1/500
BVH (80°-90°)	17.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P526568

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3
2.5°	1835.3	1819.4	1828.8	1825.2	1854.7	1863.4	1859.0	1862.6	1879.2	1871.3	1854.7
5°	1714.9	1737.3	1741.6	1752.4	1769.7	1803.6	1830.2	1837.4	1845.4	1882.1	1878.5
7.5°	1605.4	1620.5	1612.6	1644.3	1681.8	1736.6	1769.0	1774.7	1847.5	1867.7	1882.8
10°	1536.2	1521.1	1557.1	1565.8	1608.3	1671.0	1709.9	1733.7	1800.0	1879.9	1889.3
12.5°	1472.1	1467.1	1488.7	1513.2	1560.7	1625.6	1665.2	1674.6	1776.9	1861.2	1905.2
15°	1424.5	1418.8	1440.4	1458.4	1513.9	1571.5	1622.0	1648.6	1751.7	1850.4	1891.5
17.5°	1387.1	1386.4	1398.6	1431.0	1488.0	1536.2	1617.7	1619.1	1738.7	1867.0	1903.0
20°	1384.9	1384.2	1386.4	1422.4	1474.3	1533.4	1604.0	1616.9	1738.7	1855.4	1903.7
22.5°	1402.9	1391.4	1404.4	1427.4	1464.9	1538.4	1609.0	1637.8	1780.5	1912.4	1936.1
25°	1431.8	1434.6	1441.8	1449.8	1471.4	1549.9	1653.7	1677.5	1829.5	1961.4	1980.8
27.5°	1484.4	1482.9	1485.8	1490.1	1508.9	1560.7	1671.7	1732.9	1931.8	2048.6	2029.1
30°	1561.5	1556.4	1567.9	1583.1	1565.8	1595.3	1731.5	1777.6	2026.9	2136.5	2083.1
32.5°	1631.3	1650.1	1671.7	1678.2	1657.3	1663.1	1810.8	1857.6	2106.2	2244.5	2149.4
35°	1718.5	1733.7	1762.5	1782.7	1779.1	1761.8	1918.9	1980.8	2220.8	2323.8	2219.3
37.5°	1803.6	1821.6	1869.1	1928.9	1895.8	1887.9	2034.1	2085.3	2256.1	2366.3	2270.5
40°	1940.5	1939.7	2021.9	2052.9	2082.4	2068.7	2153.8	2171.0	2274.8	2357.0	2271.9
42.5°	2101.2	2091.1	2174.7	2222.9	2261.1	2262.6	2278.4	2272.6	2283.5	2309.4	2256.8
45°	2253.9	2275.5	2359.8	2446.3	2484.5	2488.8	2383.6	2372.8	2298.6	2295.7	2228.0
47.5°	2440.5	2445.6	2514.8	2628.6	2717.2	2687.0	2519.8	2496.0	2364.9	2387.2	2276.2
50°	2451.3	2488.8	2550.8	2684.8	2957.2	2949.3	2696.3	2651.7	2471.5	2516.9	2411.0
52.5°	2225.1	2216.4	2289.9	2509.0	2939.2	3210.1	2988.9	2882.2	2700.7	2666.1	2629.3
55°	1695.5	1715.7	1780.5	2001.7	2552.2	3213.7	3387.4	3300.2	2945.7	2886.6	2844.1
56°	1487.2	1490.1	1551.4	1753.1	2328.9	3099.1	3463.0	3392.4	3067.4	2977.4	2912.5
57.5°	1232.9	1216.3	1248.0	1358.3	1965.7	2857.0	3380.1	3449.3	3210.1	3075.4	2985.3
60°	970.6	967.0	954.0	974.2	1242.2	2152.3	2813.8	2969.4	3195.7	2983.1	2859.2
62.5°	792.6	774.6	800.5	829.4	863.2	1335.2	1977.2	2068.7	2537.1	2381.5	2148.0
65°	614.6	606.0	638.4	732.1	752.3	848.1	1126.2	1196.9	1498.0	1471.4	1295.6
67.5°	423.0	424.4	452.5	595.2	697.5	688.9	689.6	726.3	781.8	580.8	505.8
70°	268.0	267.3	282.5	383.3	561.3	567.1	538.3	527.5	500.1	302.6	320.6
72.5°	172.2	167.2	175.1	211.8	290.4	335.8	345.9	352.4	289.7	237.8	258.0
75°	97.3	92.2	89.3	98.7	114.6	132.6	145.6	149.9	167.9	180.1	190.9
77.5°	29.5	26.7	32.4	43.2	56.9	76.4	93.0	95.8	113.1	127.5	138.3
80°	13.0	14.4	20.2	28.8	40.4	54.0	65.6	69.9	81.4	92.2	95.1
82.5°	7.9	8.6	13.7	19.5	28.1	38.2	46.8	48.3	59.8	68.5	70.6
85°	2.9	3.6	7.2	11.5	18.0	24.5	24.5	26.7	24.5	24.5	26.7
87.5°	0.0	0.0	0.7	1.4	1.4	2.2	2.9	2.9	3.6	4.3	5.0
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°	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3
2.5°	1863.4	1859.8	1854.0	1833.1	1830.9	1824.5	1788.4	1782.7	1788.4	1771.1	1772.6
5°	1859.8	1870.6	1827.3	1806.4	1767.5	1739.4	1707.0	1690.4	1660.9	1642.2	1663.1
7.5°	1875.6	1871.3	1817.3	1771.9	1713.5	1642.2	1585.2	1552.8	1500.9	1486.5	1497.3
10°	1869.9	1846.8	1783.4	1723.6	1613.3	1550.6	1458.4	1369.1	1320.1	1294.8	1291.2
12.5°	1861.9	1855.4	1749.5	1646.5	1530.5	1398.6	1268.9	1184.6	1104.6	1070.0	1075.1
15°	1871.3	1816.5	1686.1	1555.7	1401.5	1228.6	1088.8	980.0	924.5	902.1	902.1
17.5°	1867.0	1797.8	1655.8	1454.1	1258.8	1054.2	900.7	835.1	812.1	812.1	818.6
20°	1869.1	1810.0	1594.6	1352.5	1090.2	887.7	776.0	752.3	762.4	766.0	769.6
22.5°	1881.4	1769.7	1534.8	1240.8	933.8	759.5	704.7	705.4	723.4	742.9	739.3
25°	1896.5	1753.8	1462.0	1129.8	814.2	696.8	679.5	677.3	691.0	701.1	702.5
27.5°	1883.5	1726.5	1387.8	991.5	716.2	655.0	651.4	652.8	657.2	677.3	670.8
30°	1926.1	1734.4	1294.8	875.5	662.2	641.3	637.0	634.8	641.3	647.1	642.0
32.5°	1978.7	1706.3	1225.7	763.8	635.5	631.2	622.6	619.7	623.3	617.5	620.4
35°	2001.7	1701.2	1135.6	683.8	614.6	611.0	606.0	605.3	606.0	600.9	596.6
37.5°	2014.7	1725.0	1032.6	647.1	601.7	605.3	593.7	592.3	579.3	582.2	584.4
40°	2037.0	1688.3	949.0	611.8	593.7	586.5	576.4	574.3	565.6	560.6	565.6
42.5°	2004.6	1677.5	866.8	596.6	582.2	574.3	567.1	554.8	551.9	547.6	544.7
45°	1978.7	1615.5	793.3	577.9	568.5	564.2	550.5	537.5	526.7	531.1	524.6
47.5°	1998.1	1593.9	720.6	562.0	549.8	544.7	531.1	521.0	510.2	505.1	503.7
50°	2075.9	1634.2	659.3	550.5	533.9	531.1	513.0	501.5	491.4	487.8	489.3
52.5°	2261.8	1744.5	617.5	526.7	518.8	505.8	495.7	481.3	474.8	463.3	470.5
55°	2497.5	1923.9	606.7	504.4	500.1	488.5	474.8	464.0	451.8	442.4	440.3
56°	2573.1	2009.6	598.1	495.7	488.5	482.1	464.0	457.6	438.1	435.9	434.5
57.5°	2634.4	2085.3	599.5	479.2	472.0	466.2	455.4	439.5	426.6	418.6	422.2
60°	2496.0	1952.0	572.1	454.0	452.5	441.7	426.6	419.4	403.5	394.1	392.0
62.5°	1855.4	1325.1	464.0	421.5	420.8	409.3	392.0	384.1	381.2	368.2	368.2
65°	1068.6	830.8	401.4	394.9	389.1	377.6	360.3	353.8	346.6	342.3	338.7
67.5°	456.1	430.9	364.6	363.9	357.4	343.0	325.7	315.6	306.2	297.6	301.9
70°	330.7	335.8	329.3	325.7	317.8	299.8	284.6	272.4	258.0	252.2	256.5
72.5°	262.3	273.1	282.5	283.2	273.8	252.9	236.3	219.8	203.9	196.0	199.6
75°	198.9	206.1	215.4	217.6	203.9	189.5	173.7	156.4	144.1	134.7	136.2
77.5°	143.4	142.0	150.6	149.2	142.7	132.6	118.2	102.3	88.6	80.0	80.7
80°	98.0	100.2	105.2	104.5	96.6	90.1	79.3	66.3	56.2	49.0	47.6
82.5°	68.5	72.1	76.4	72.8	66.3	59.8	51.9	42.5	34.6	28.8	27.4
85°	24.5	28.1	32.4	34.6	36.7	35.3	29.5	23.8	17.3	14.4	13.7
87.5°	5.0	5.8	6.5	6.5	6.5	5.8	5.0	5.0	4.3	2.2	2.2
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)