

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: P526336

Luminaire Tested: **GALN-SA1B-735-U-SL3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526336  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-735-U-SL3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4537 lumens  
Efficiency: N/A  
Efficacy: 103.1 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

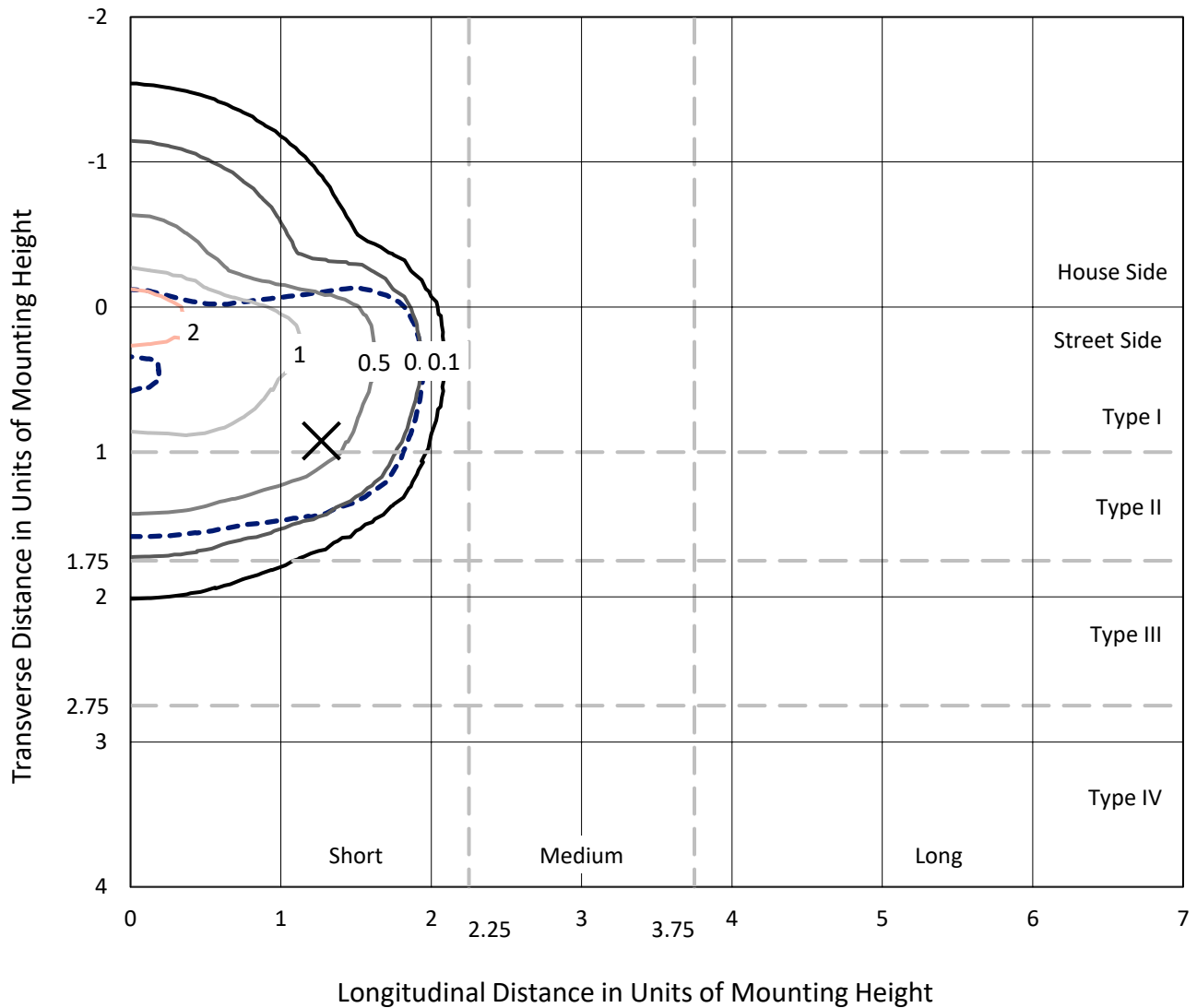
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

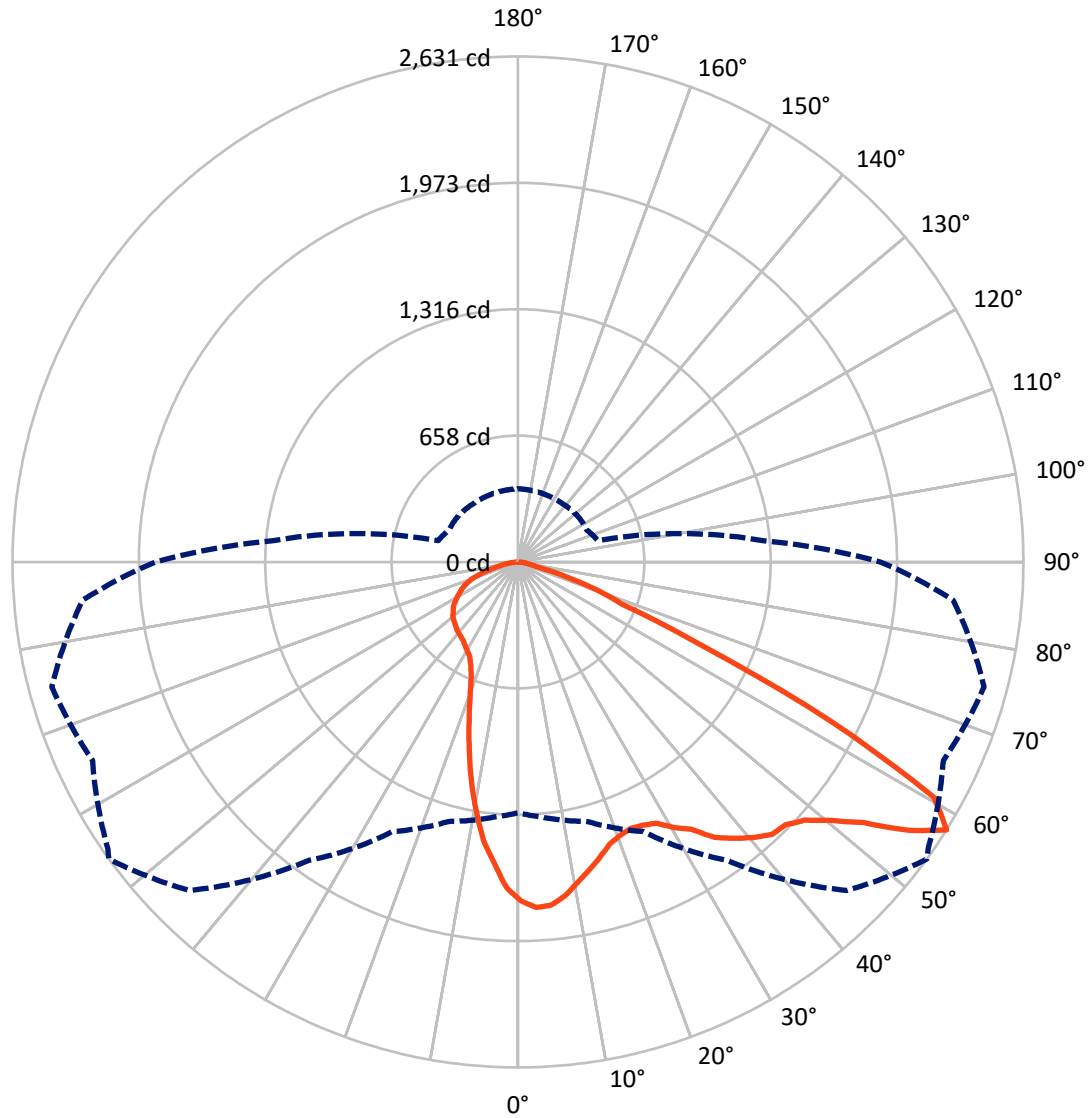
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1255.2	0.0	1255.2
	% Fixture	27.7	0.0	27.7
<b>Street Side</b>	Lumens	3281.8	0.0	3281.8
	% Fixture	72.3	0.0	72.3
<b>Total</b>	Lumens	4537.0	0.0	4537.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.1	3.4
10°-20°	352.1	7.8
20°-30°	494.7	10.9
30°-40°	691.7	15.2
40°-50°	936.4	20.6
50°-60°	1140.5	25.1
60°-70°	594.0	13.1
70°-80°	152.2	3.4
80°-90°	23.2	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°	4537.0	100.0
0°-180°	4537.0	100.0

**Coefficient of Utilization**



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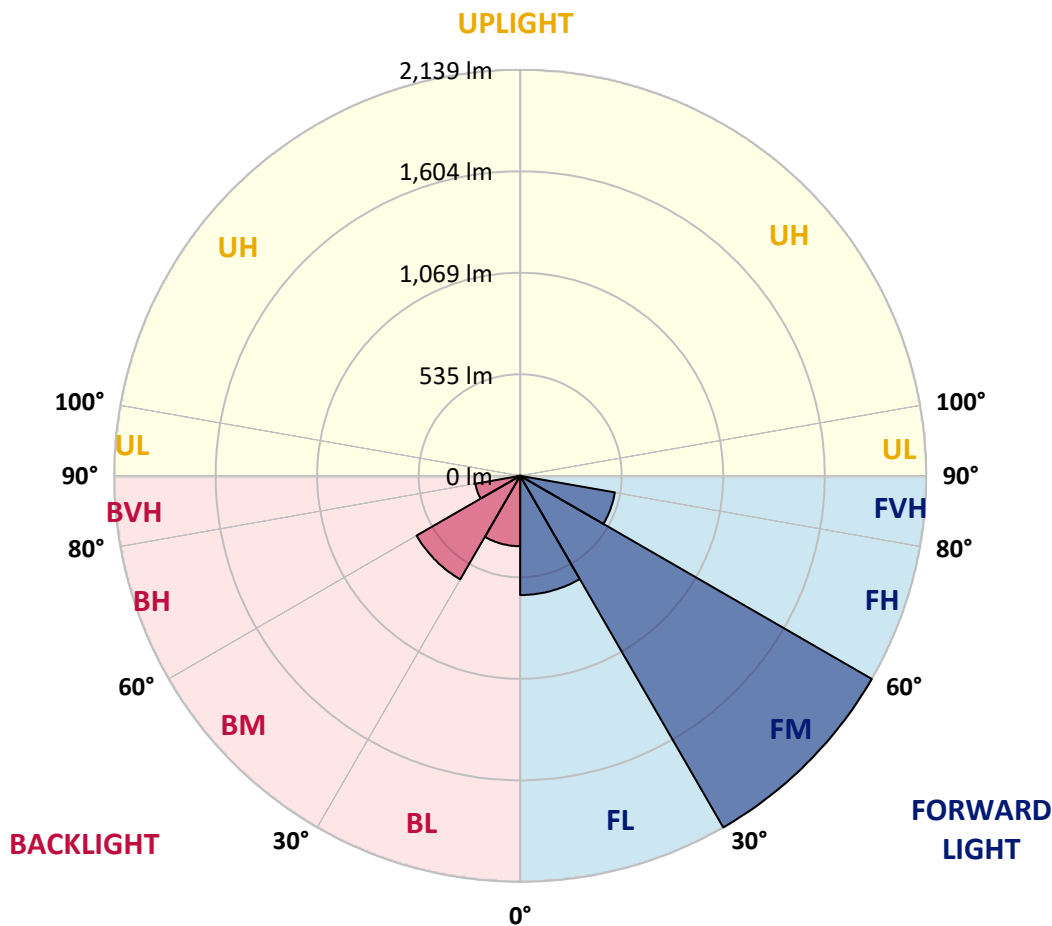
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	628.0	13.8			
FM (30°-60°)	2138.6	47.1			
FH (60°-80°)	506.5	11.2			G0/660
FVH (80°-90°)	8.8	0.2			G0/10
BL (0°-30°)	371.0	8.2	B1/500		
BM (30°-60°)	630.0	13.9	B1/1000		
BH (60°-80°)	239.8	5.3	B1/500		G1/500
BVH (80°-90°)	14.4	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1763.5	1763.5	1763.5	1763.5	1763.5	1763.5	1763.5	1763.5	1763.5	1763.5	1763.5
2.5°	1813.6	1806.6	1807.8	1817.1	1805.5	1800.8	1800.8	1778.1	1779.8	1764.1	1760.0
5°	1771.6	1755.3	1766.4	1780.4	1782.7	1787.4	1795.0	1789.1	1772.8	1755.9	1728.5
7.5°	1662.0	1676.6	1680.7	1690.6	1711.6	1730.8	1754.7	1738.4	1737.8	1720.9	1704.6
10°	1565.8	1557.0	1579.2	1593.8	1628.8	1660.8	1697.6	1695.8	1704.6	1685.3	1657.3
12.5°	1470.1	1463.2	1473.6	1506.9	1555.9	1602.5	1646.3	1629.9	1676.6	1673.1	1613.0
15°	1368.7	1373.9	1389.1	1420.0	1484.1	1540.1	1595.5	1596.1	1637.5	1651.5	1571.0
17.5°	1297.5	1291.7	1310.9	1357.0	1414.2	1481.2	1544.2	1557.0	1620.6	1628.8	1558.2
20°	1244.5	1252.6	1277.7	1301.0	1366.9	1448.0	1519.1	1523.8	1617.1	1639.3	1537.8
22.5°	1231.6	1227.0	1235.1	1273.0	1327.3	1415.3	1505.7	1523.2	1616.5	1635.8	1499.3
25°	1218.2	1233.4	1232.8	1270.7	1310.4	1389.1	1516.8	1536.0	1647.4	1653.8	1504.6
27.5°	1248.5	1246.8	1263.1	1266.0	1315.0	1396.1	1540.1	1554.7	1698.7	1693.5	1508.6
30°	1278.9	1270.1	1280.0	1314.4	1337.2	1436.3	1604.3	1603.1	1765.2	1761.7	1521.5
32.5°	1316.2	1312.1	1318.5	1348.9	1387.3	1490.0	1658.5	1692.9	1832.9	1855.0	1565.8
35°	1323.2	1340.1	1355.3	1396.1	1450.9	1576.9	1760.6	1789.1	1911.0	1980.4	1650.3
37.5°	1367.5	1373.9	1409.5	1481.8	1532.0	1692.9	1825.3	1843.4	1982.2	2060.9	1739.6
40°	1414.7	1422.3	1476.0	1551.8	1620.6	1768.7	1885.9	1891.8	2004.9	2122.7	1797.9
42.5°	1478.9	1485.9	1539.0	1634.0	1726.2	1833.5	1939.6	1946.0	2003.2	2193.9	1890.6
45°	1545.4	1562.3	1624.7	1732.6	1815.4	1909.3	1951.8	1978.1	2019.5	2257.4	1965.8
47.5°	1638.7	1654.4	1705.7	1811.3	1908.1	1975.8	2008.4	2034.1	2058.6	2312.8	2014.2
50°	1737.8	1740.7	1803.1	1898.8	1969.9	2051.0	2114.0	2122.7	2109.9	2377.0	2096.5
52.5°	1810.7	1820.0	1868.4	1961.8	2067.9	2167.6	2253.9	2263.2	2238.2	2400.9	2124.5
55°	1690.0	1684.8	1763.5	1887.7	2133.8	2341.4	2466.8	2473.8	2331.5	2474.9	2216.0
57.5°	1306.3	1331.4	1398.4	1548.3	1895.9	2418.4	2631.2	2606.1	2443.4	2512.3	2274.3
60°	949.4	943.6	988.5	1088.8	1428.7	2084.2	2487.8	2513.4	2351.9	2264.4	1875.4
62.5°	773.3	765.1	768.6	772.1	922.0	1383.3	1841.6	1841.0	1811.3	1627.6	1264.9
65°	618.2	637.4	639.1	665.4	684.6	826.3	1067.2	1124.3	979.1	803.0	582.6
67.5°	465.9	458.9	482.3	575.6	611.7	596.6	582.6	589.0	418.7	302.1	284.6
70°	274.7	271.8	299.7	401.2	503.9	474.1	439.1	439.7	287.5	211.1	235.0
72.5°	150.5	149.9	155.7	203.5	286.3	297.4	263.6	271.8	171.4	170.9	183.7
75°	84.0	82.2	80.5	89.8	103.2	109.1	111.4	112.6	117.8	131.8	137.0
77.5°	30.9	29.7	29.7	34.4	43.7	54.8	69.4	70.6	83.4	95.6	100.9
80°	10.5	11.7	15.7	21.6	29.2	39.1	47.2	48.4	58.9	67.1	68.8
82.5°	6.4	7.0	10.5	15.2	21.0	27.4	35.0	35.6	43.7	49.0	51.3
85°	2.9	3.5	5.8	9.3	13.4	18.1	18.7	18.7	18.1	18.7	17.5
87.5°	0.0	0.0	1.2	1.2	1.2	1.7	2.3	1.7	2.9	3.5	3.5
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°	1763.5	1763.5	1763.5	1763.5	1763.5	1763.5	1763.5	1763.5	1763.5	1763.5	1763.5
2.5°	1747.7	1741.3	1721.5	1704.0	1698.7	1675.4	1641.0	1645.1	1620.0	1631.7	1619.4
5°	1723.8	1702.2	1651.5	1629.9	1573.4	1547.7	1530.2	1486.5	1466.1	1462.0	1444.5
7.5°	1662.6	1649.2	1585.6	1527.3	1467.2	1415.9	1350.0	1305.1	1273.0	1264.3	1238.6
10°	1614.2	1584.4	1496.4	1407.8	1322.0	1232.8	1147.1	1080.0	1047.4	1009.5	996.6
12.5°	1566.4	1521.5	1402.5	1288.8	1178.0	1065.4	961.6	880.0	808.8	791.9	786.1
15°	1536.6	1458.5	1318.5	1181.5	1024.0	877.1	773.3	719.6	675.9	657.8	670.6
17.5°	1497.6	1406.6	1238.1	1055.5	882.3	747.0	660.1	626.9	611.2	612.9	607.7
20°	1448.6	1357.6	1132.5	941.2	755.8	647.9	598.3	586.1	588.4	592.5	590.7
22.5°	1413.6	1298.1	1056.1	824.6	653.1	593.1	572.7	563.9	571.5	575.0	572.1
25°	1386.8	1247.4	963.4	721.4	593.7	562.2	552.8	552.3	563.9	568.6	565.7
27.5°	1362.3	1200.1	871.2	642.6	554.0	538.3	535.3	542.3	549.9	554.6	558.7
30°	1347.7	1164.0	784.9	576.7	534.2	526.6	521.3	527.8	531.8	536.5	534.2
32.5°	1361.7	1138.3	701.5	539.4	517.8	510.3	517.3	513.2	520.2	524.3	517.8
35°	1405.4	1115.6	642.1	519.6	499.2	502.1	503.3	501.5	504.4	500.9	508.5
37.5°	1448.6	1107.4	587.2	502.7	490.4	490.4	489.3	485.8	491.6	490.4	493.9
40°	1503.4	1112.7	540.6	484.6	482.3	481.1	476.4	475.9	473.5	474.1	475.3
42.5°	1551.2	1124.3	513.8	472.9	474.7	477.0	468.3	461.3	464.2	458.4	458.4
45°	1601.9	1134.8	489.9	464.8	463.0	462.4	455.4	451.4	449.0	449.6	454.9
47.5°	1681.8	1150.0	471.8	453.7	454.9	446.1	444.4	439.1	441.5	445.0	445.5
50°	1738.4	1182.1	457.8	440.9	445.0	439.1	428.6	426.3	426.3	432.1	431.0
52.5°	1778.1	1227.0	444.4	426.9	428.6	424.0	420.5	415.2	411.7	419.9	424.0
55°	1899.4	1301.6	440.9	415.2	414.6	410.0	403.5	398.3	396.5	397.7	405.9
57.5°	1887.7	1278.3	429.8	394.8	393.6	387.2	380.8	379.1	378.5	379.6	382.0
60°	1532.5	944.1	383.7	371.5	369.7	368.6	362.1	355.1	351.6	355.1	352.2
62.5°	1014.1	632.1	338.2	343.5	344.6	341.7	331.2	324.2	325.4	329.5	323.1
65°	498.0	371.5	306.7	320.7	321.9	313.7	303.8	295.7	291.6	295.1	292.2
67.5°	284.6	284.0	281.1	295.7	295.1	286.9	271.2	264.2	257.2	258.3	256.6
70°	241.4	246.1	251.9	260.7	260.1	250.8	232.1	226.8	216.9	215.8	212.9
72.5°	190.1	198.3	211.1	217.5	212.3	200.6	188.4	179.6	170.9	165.6	167.4
75°	141.1	152.8	159.8	163.9	155.7	149.3	139.4	128.9	118.4	113.7	112.0
77.5°	102.6	106.1	112.6	115.5	110.2	103.8	98.0	87.5	77.6	71.1	69.4
80°	71.7	74.1	78.7	78.7	78.7	75.8	68.2	57.7	51.3	45.5	44.3
82.5°	50.2	52.5	57.1	54.8	54.2	50.7	46.1	37.9	30.9	26.8	25.7
85°	17.5	19.2	23.3	28.0	29.7	29.2	26.2	21.0	16.3	13.4	12.2
87.5°	4.1	4.1	4.7	4.1	4.1	4.7	4.1	4.1	4.1	2.9	2.3
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)