

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: P526620

Luminaire Tested: **GALN-SA1C-750-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526620
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-750-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 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: 6030 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

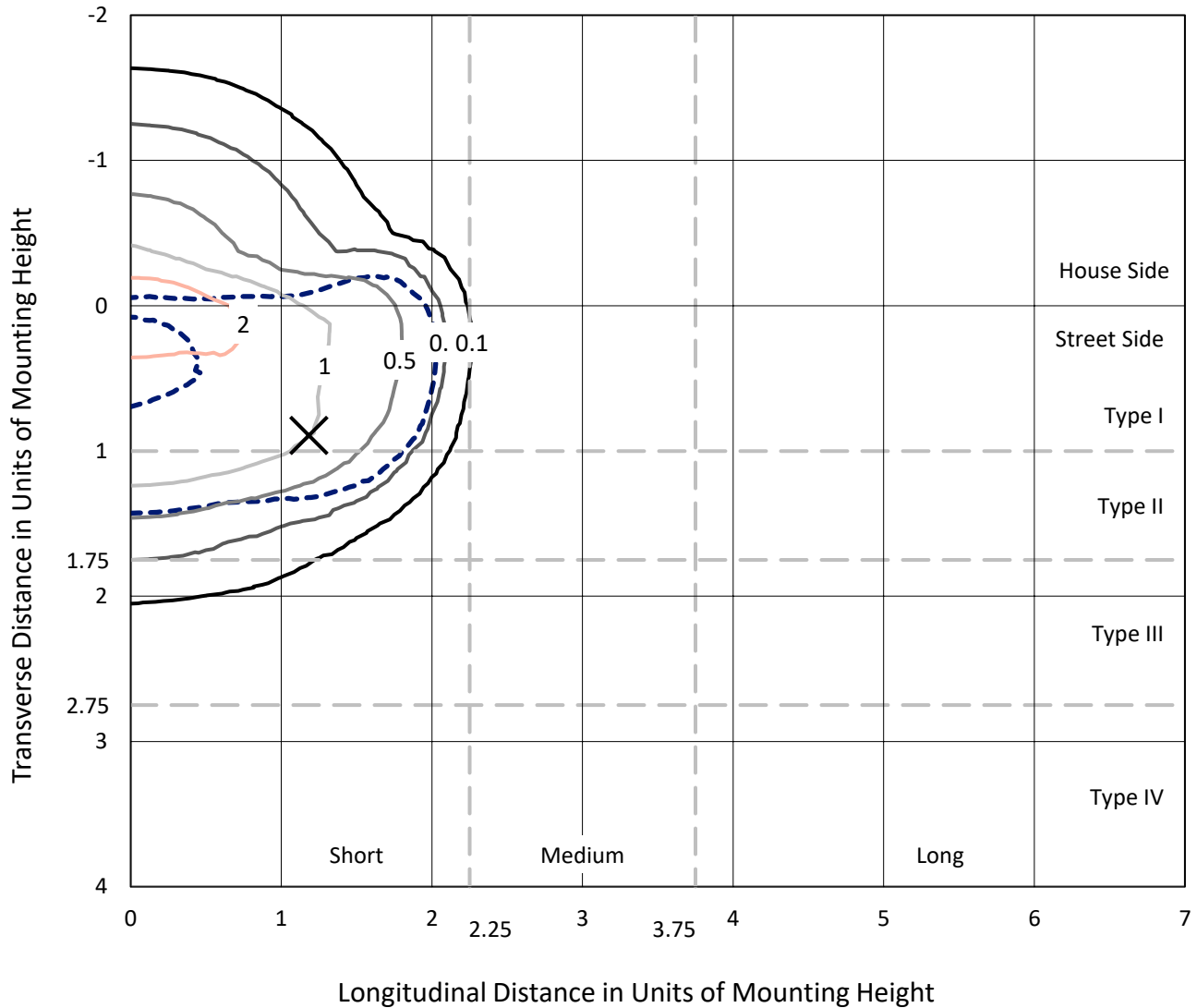
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

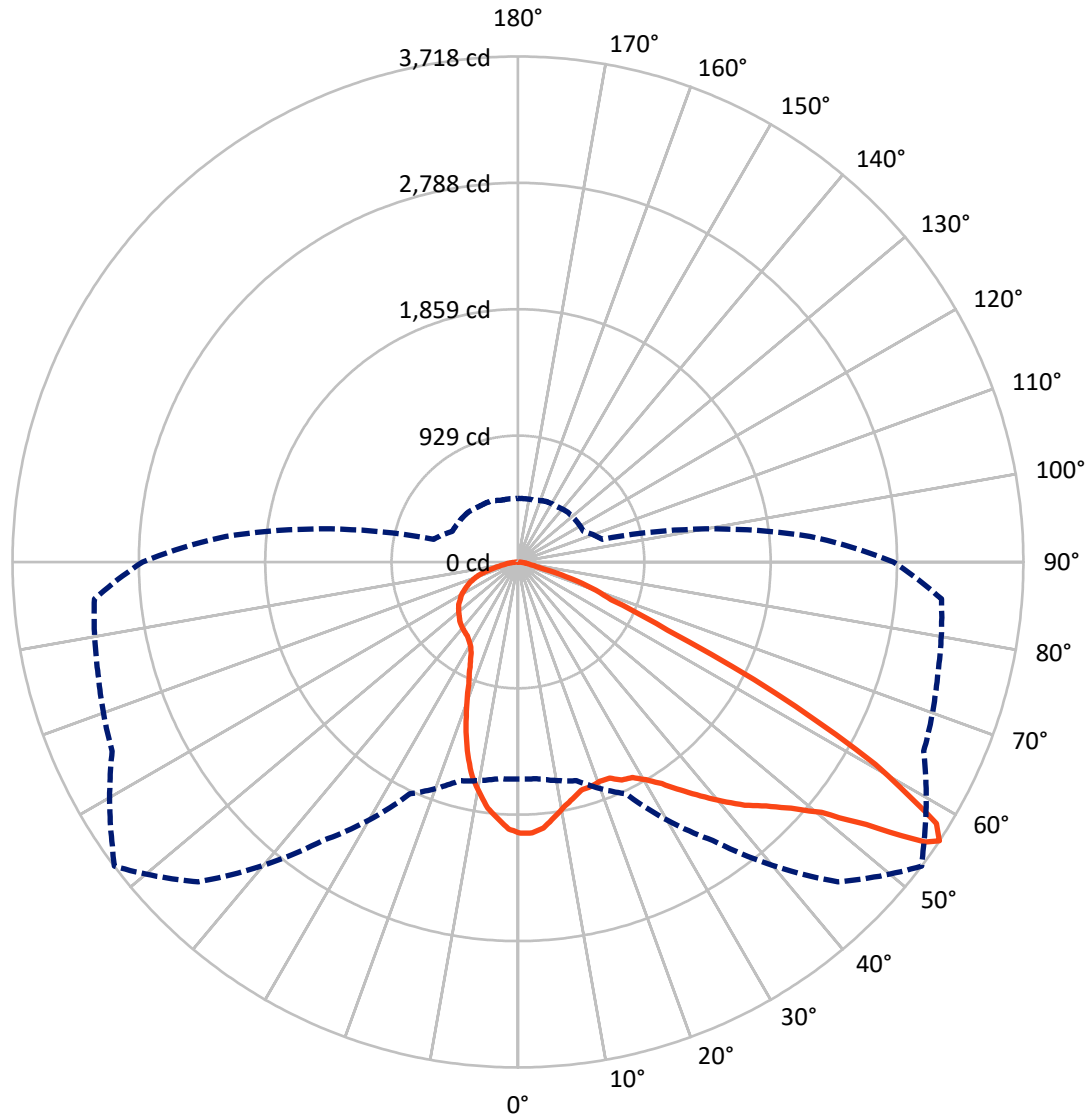
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - N/A

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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	1759.7	0.0	1759.7
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	4270.3	0.0	4270.3
	% Fixture	70.8	0.0	70.8
Total	Lumens	6030.0	0.0	6030.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.6	2.9
10°-20°	441.1	7.3
20°-30°	650.4	10.8
30°-40°	929.3	15.4
40°-50°	1279.1	21.2
50°-60°	1511.6	25.1
60°-70°	805.6	13.4
70°-80°	204.4	3.4
80°-90°	31.9	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°	6030.0	100.0
0°-180°	6030.0	100.0

Coefficient of Utilization

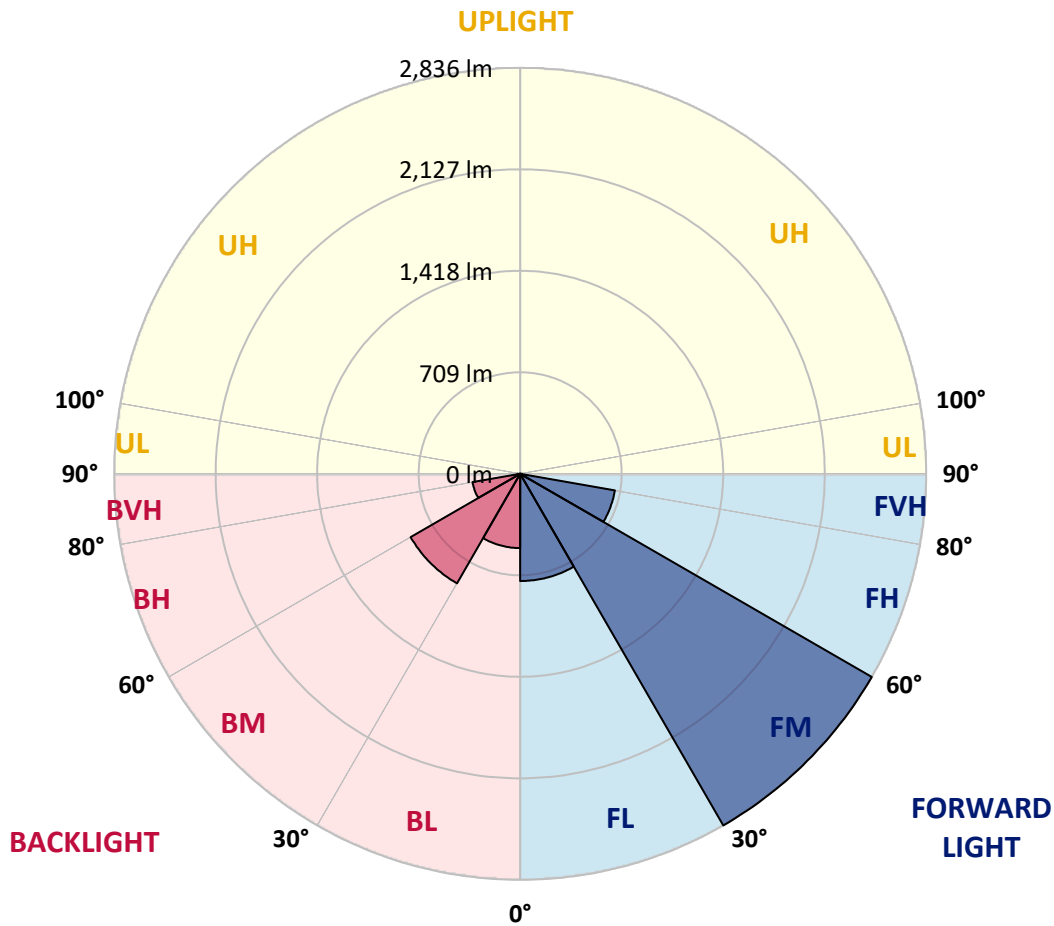


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	749.1	12.4			
FM (30°-60°)	2836.4	47.0			
FH (60°-80°)	672.0	11.1			G1/1800
FVH (80°-90°)	12.8	0.2			G1/100
BL (0°-30°)	519.0	8.6	B2/1000		
BM (30°-60°)	883.7	14.7	B1/1000		
BH (60°-80°)	338.0	5.6	B1/500		G1/500
BVH (80°-90°)	19.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0
2.5°	1970.2	1953.2	1963.2	1959.4	1991.1	2000.4	1995.7	1999.6	2017.4	2008.9	1991.1
5°	1841.0	1865.0	1869.6	1881.3	1899.8	1936.2	1964.8	1972.5	1981.0	2020.5	2016.6
7.5°	1723.4	1739.7	1731.2	1765.2	1805.4	1864.2	1899.0	1905.2	1983.4	2005.0	2021.3
10°	1649.2	1632.9	1671.6	1680.9	1726.5	1793.8	1835.6	1861.1	1932.3	2018.2	2028.2
12.5°	1580.3	1574.9	1598.1	1624.4	1675.5	1745.1	1787.7	1797.7	1907.6	1998.1	2045.2
15°	1529.3	1523.1	1546.3	1565.6	1625.2	1687.1	1741.2	1769.9	1880.5	1986.5	2030.5
17.5°	1489.1	1488.3	1501.4	1536.3	1597.4	1649.2	1736.6	1738.1	1866.6	2004.2	2042.9
20°	1486.7	1486.0	1488.3	1527.0	1582.7	1646.1	1721.9	1735.8	1866.6	1991.9	2043.7
22.5°	1506.1	1493.7	1507.6	1532.4	1572.6	1651.5	1727.3	1758.3	1911.4	2053.0	2078.5
25°	1537.0	1540.1	1547.9	1556.4	1579.6	1663.9	1775.3	1800.8	1964.0	2105.6	2126.5
27.5°	1593.5	1591.9	1595.0	1599.7	1619.8	1675.5	1794.6	1860.4	2073.9	2199.2	2178.3
30°	1676.3	1670.8	1683.2	1699.5	1680.9	1712.6	1858.8	1908.3	2176.0	2293.5	2236.3
32.5°	1751.3	1771.4	1794.6	1801.6	1779.1	1785.3	1943.9	1994.2	2261.1	2409.6	2307.5
35°	1844.9	1861.1	1892.1	1913.7	1909.9	1891.3	2059.9	2126.5	2384.1	2494.7	2382.5
37.5°	1936.2	1955.5	2006.6	2070.8	2035.2	2026.7	2183.7	2238.6	2422.0	2540.3	2437.4
40°	2083.1	2082.4	2170.6	2203.8	2235.5	2220.8	2312.1	2330.7	2442.1	2530.3	2439.0
42.5°	2255.6	2244.8	2334.5	2386.4	2427.4	2428.9	2445.9	2439.7	2451.4	2479.2	2422.7
45°	2419.6	2442.8	2533.3	2626.2	2667.2	2671.8	2558.9	2547.3	2467.6	2464.5	2391.8
47.5°	2620.0	2625.4	2699.7	2821.9	2917.0	2884.5	2705.1	2679.5	2538.8	2562.7	2443.6
50°	2631.6	2671.8	2738.3	2882.2	3174.6	3166.1	2894.6	2846.6	2653.2	2702.0	2588.3
52.5°	2388.7	2379.4	2458.3	2693.5	3155.3	3446.1	3208.6	3094.2	2899.2	2862.1	2822.7
55°	1820.1	1841.8	1911.4	2148.9	2739.9	3450.0	3636.4	3542.8	3162.2	3098.8	3053.2
56°	1596.6	1599.7	1665.4	1882.0	2500.1	3327.0	3717.6	3641.8	3293.0	3196.3	3126.7
57.5°	1323.5	1305.7	1339.8	1458.1	2110.2	3067.1	3628.7	3702.9	3446.1	3301.5	3204.8
60°	1042.0	1038.1	1024.2	1045.8	1333.6	2310.6	3020.7	3187.8	3430.7	3202.5	3069.4
62.5°	850.9	831.6	859.4	890.3	926.7	1433.4	2122.6	2220.8	2723.6	2556.6	2305.9
65°	659.8	650.5	685.4	785.9	807.6	910.5	1209.0	1284.9	1608.2	1579.6	1390.8
67.5°	454.1	455.6	485.8	638.9	748.8	739.5	740.3	779.7	839.3	623.5	543.0
70°	287.8	287.0	303.2	411.5	602.6	608.8	577.8	566.2	536.8	324.9	344.2
72.5°	184.9	179.5	188.0	227.4	311.7	360.5	371.3	378.3	311.0	255.3	276.9
75°	104.4	99.0	95.9	106.0	123.0	142.3	156.3	160.9	180.2	193.4	205.0
77.5°	31.7	28.6	34.8	46.4	61.1	82.0	99.8	102.9	121.4	136.9	148.5
80°	13.9	15.5	21.7	30.9	43.3	58.0	70.4	75.0	87.4	99.0	102.1
82.5°	8.5	9.3	14.7	20.9	30.2	41.0	50.3	51.8	64.2	73.5	75.8
85°	3.1	3.9	7.7	12.4	19.3	26.3	26.3	28.6	26.3	26.3	28.6
87.5°	0.0	0.0	0.8	1.5	1.5	2.3	3.1	3.1	3.9	4.6	5.4
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°	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0	1995.0
2.5°	2000.4	1996.5	1990.3	1967.9	1965.6	1958.6	1919.9	1913.7	1919.9	1901.4	1902.9
5°	1996.5	2008.1	1961.7	1939.3	1897.5	1867.3	1832.5	1814.7	1783.0	1762.9	1785.3
7.5°	2013.5	2008.9	1950.9	1902.1	1839.5	1762.9	1701.8	1667.0	1611.3	1595.8	1607.4
10°	2007.3	1982.6	1914.5	1850.3	1732.0	1664.7	1565.6	1469.7	1417.1	1390.1	1386.2
12.5°	1998.8	1991.9	1878.2	1767.5	1643.0	1501.4	1362.2	1271.7	1185.8	1148.7	1154.1
15°	2008.9	1950.1	1810.1	1670.1	1504.5	1318.9	1168.8	1052.0	992.5	968.5	968.5
17.5°	2004.2	1930.0	1777.6	1561.0	1351.4	1131.7	966.9	896.5	871.8	871.8	878.7
20°	2006.6	1943.1	1711.8	1451.9	1170.4	953.0	833.1	807.6	818.4	822.3	826.1
22.5°	2019.7	1899.8	1647.6	1332.0	1002.5	815.3	756.5	757.3	776.6	797.5	793.7
25°	2036.0	1882.8	1569.5	1212.9	874.1	748.0	729.4	727.1	741.8	752.7	754.2
27.5°	2022.0	1853.4	1489.8	1064.4	768.9	703.1	699.3	700.8	705.5	727.1	720.2
30°	2067.7	1861.9	1390.1	939.9	710.9	688.5	683.8	681.5	688.5	694.6	689.2
32.5°	2124.1	1831.7	1315.8	820.0	682.3	677.6	668.3	665.2	669.1	662.9	666.0
35°	2148.9	1826.3	1219.1	734.1	659.8	656.0	650.5	649.8	650.5	645.1	640.5
37.5°	2162.8	1851.9	1108.5	694.6	645.9	649.8	637.4	635.9	621.9	625.0	627.3
40°	2186.8	1812.4	1018.8	656.7	637.4	629.7	618.8	616.5	607.2	601.8	607.2
42.5°	2152.0	1800.8	930.6	640.5	625.0	616.5	608.8	595.6	592.5	587.9	584.8
45°	2124.1	1734.3	851.7	620.4	610.3	605.7	591.0	577.1	565.5	570.1	563.1
47.5°	2145.0	1711.1	773.5	603.4	590.2	584.8	570.1	559.3	547.7	542.3	540.7
50°	2228.6	1754.4	707.8	591.0	573.2	570.1	550.8	538.4	527.6	523.7	525.2
52.5°	2428.1	1872.7	662.9	565.5	556.9	543.0	532.2	516.7	509.8	497.4	505.1
55°	2681.1	2065.4	651.3	541.5	536.8	524.5	509.8	498.2	485.0	475.0	472.6
56°	2762.3	2157.4	642.0	532.2	524.5	517.5	498.2	491.2	470.3	468.0	466.4
57.5°	2828.1	2238.6	643.6	514.4	506.7	500.5	488.9	471.9	457.9	449.4	453.3
60°	2679.5	2095.5	614.2	487.3	485.8	474.2	457.9	450.2	433.2	423.1	420.8
62.5°	1991.9	1422.5	498.2	452.5	451.7	439.4	420.8	412.3	409.2	395.3	395.3
65°	1147.2	891.9	430.9	423.9	417.7	405.3	386.8	379.8	372.1	367.4	363.6
67.5°	489.7	462.6	391.4	390.6	383.7	368.2	349.6	338.8	328.8	319.5	324.1
70°	355.1	360.5	353.5	349.6	341.1	321.8	305.5	292.4	276.9	270.7	275.4
72.5°	281.6	293.2	303.2	304.0	293.9	271.5	253.7	235.9	218.9	210.4	214.3
75°	213.5	221.2	231.3	233.6	218.9	203.4	186.4	167.9	154.7	144.7	146.2
77.5°	153.9	152.4	161.7	160.1	153.2	142.3	126.9	109.8	95.1	85.9	86.6
80°	105.2	107.5	112.9	112.2	103.7	96.7	85.1	71.2	60.3	52.6	51.1
82.5°	73.5	77.4	82.0	78.1	71.2	64.2	55.7	45.6	37.1	30.9	29.4
85°	26.3	30.2	34.8	37.1	39.5	37.9	31.7	25.5	18.6	15.5	14.7
87.5°	5.4	6.2	7.0	7.0	7.0	6.2	5.4	5.4	4.6	2.3	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)