

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: P527438

Luminaire Tested: **GALN-SA2C-722-U-T3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2C-722-U-T3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8861 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

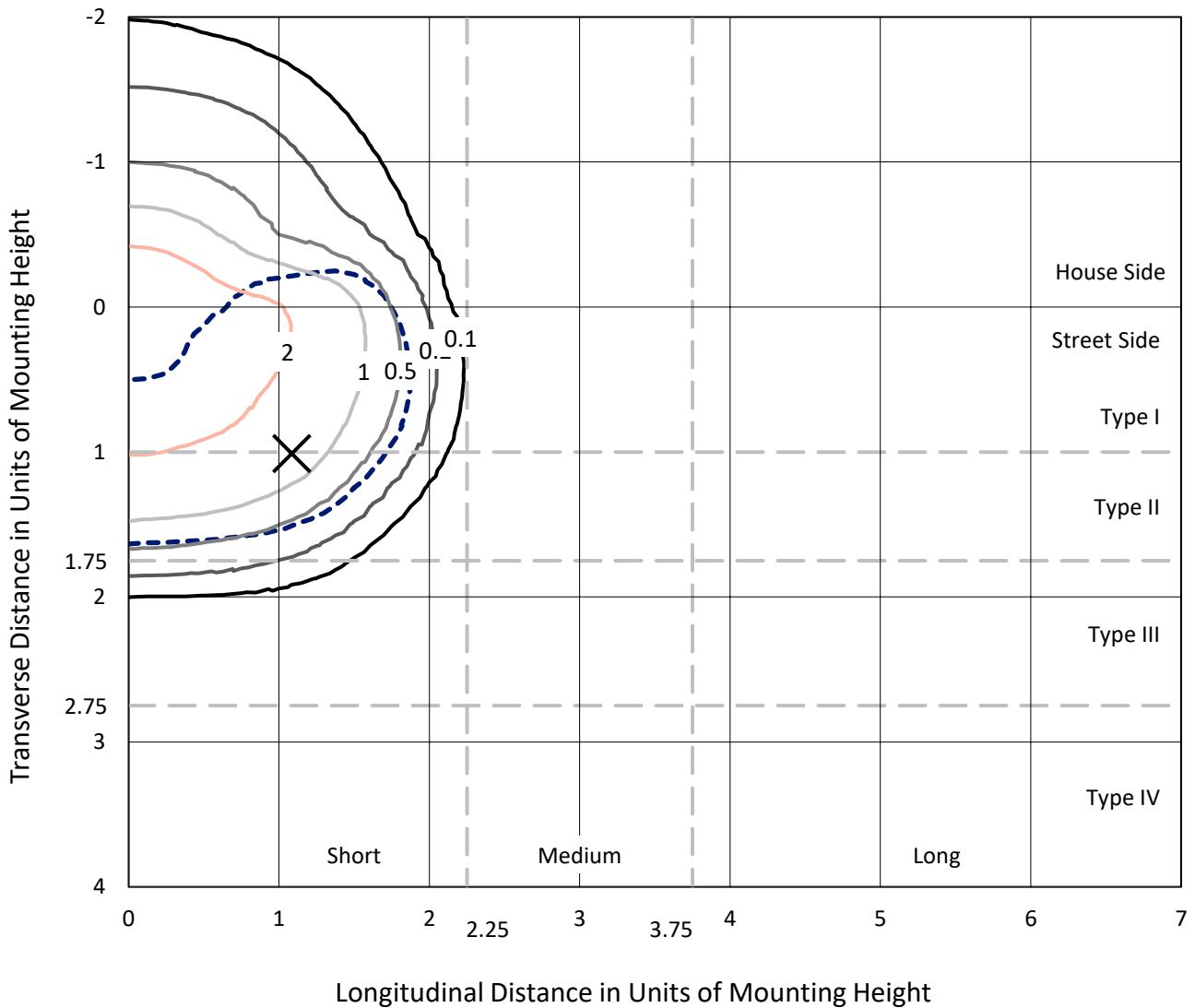
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P527438  
 CATALOG NUMBER: GALN-SA2C-722-U-T3-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

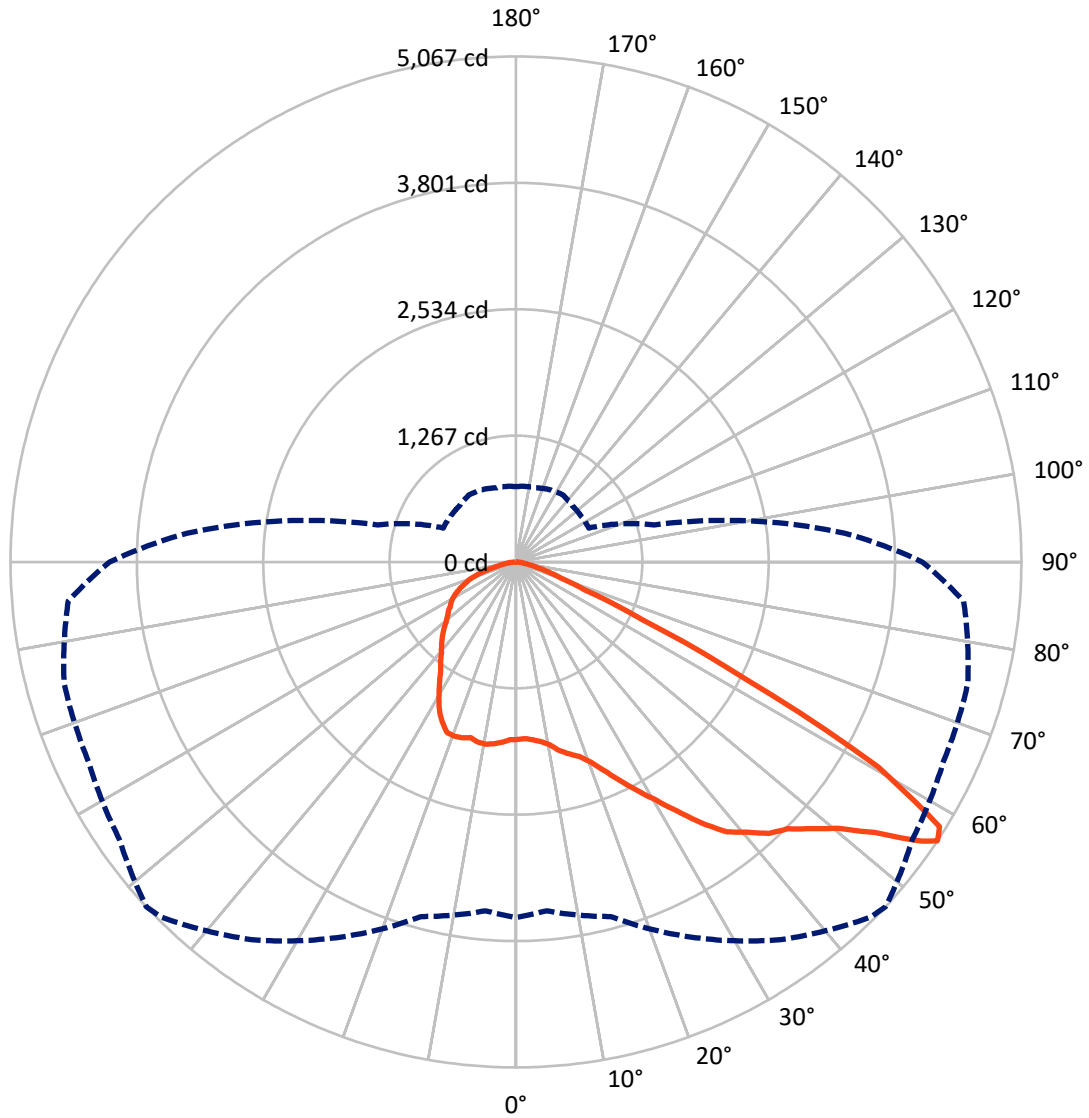
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P527438  
CATALOG NUMBER: GALN-SA2C-722-U-T3-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P527438  
 CATALOG NUMBER: GALN-SA2C-722-U-T3-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2808.0	0.0	2808.0
	% Fixture	31.7	0.0	31.7
<b>Street Side</b>	Lumens	6053.0	0.0	6053.0
	% Fixture	68.3	0.0	68.3
<b>Total</b>	Lumens	8861.0	0.0	8861.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.4	2.0
10°-20°	547.1	6.2
20°-30°	967.1	10.9
30°-40°	1452.5	16.4
40°-50°	1993.5	22.5
50°-60°	2375.0	26.8
60°-70°	1016.3	11.5
70°-80°	287.6	3.2
80°-90°	48.4	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°	8861.0	100.0
0°-180°	8861.0	100.0

**Coefficient of Utilization**

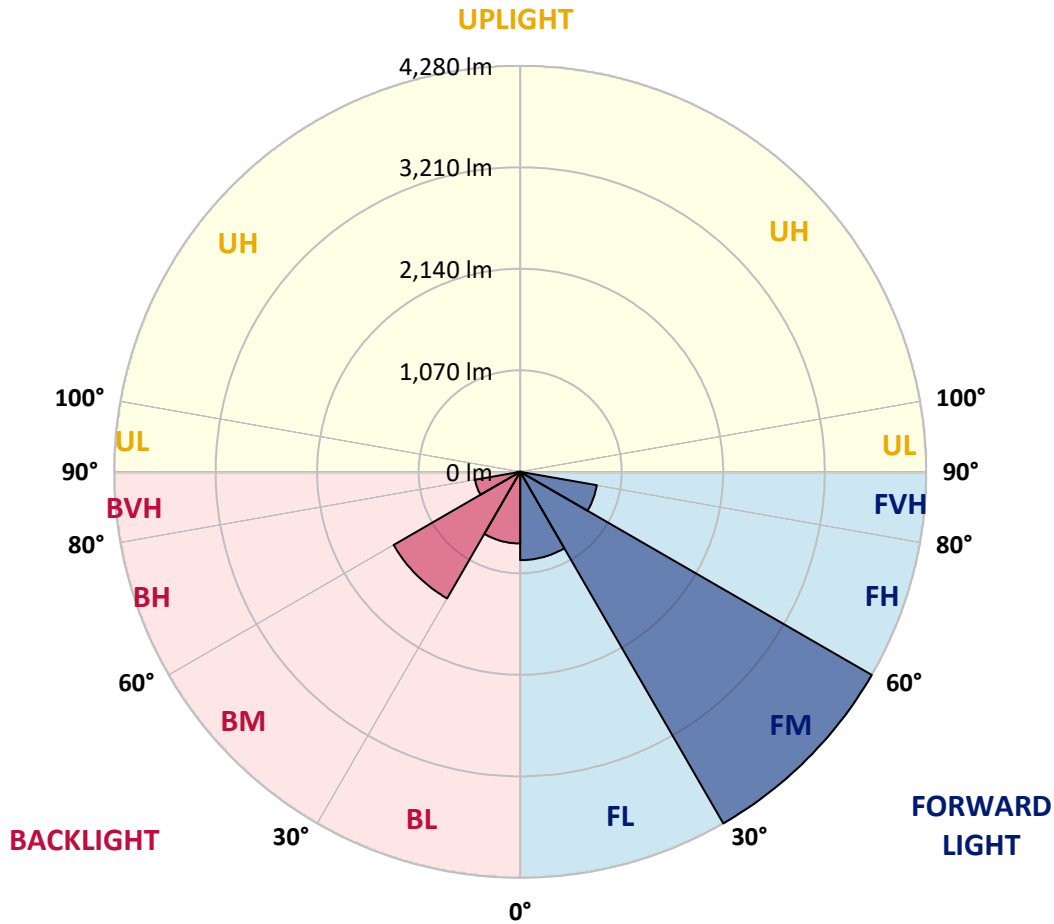


REPORT NUMBER: P527438  
 CATALOG NUMBER: GALN-SA2C-722-U-T3-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	931.6	10.5			
FM (30°-60°)	4280.1	48.3			
FH (60°-80°)	820.8	9.3			G1/1800
FVH (80°-90°)	20.5	0.2			G1/100
BL (0°-30°)	756.0	8.5	B2/1000		
BM (30°-60°)	1541.0	17.4	B2/2500		
BH (60°-80°)	483.1	5.5	B1/500		G1/500
BVH (80°-90°)	27.9	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





REPORT NUMBER: P527438

CATALOG NUMBER: GALN-SA2C-722-U-T3-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1779.9	1779.9	1779.9	1779.9	1779.9	1779.9	1779.9	1779.9	1779.9	1779.9	1779.9
2.5°	1773.1	1769.7	1767.5	1785.6	1778.8	1779.9	1773.1	1779.9	1784.4	1774.3	1788.9
5°	1769.7	1779.9	1770.9	1776.5	1791.2	1786.7	1791.2	1804.8	1801.4	1798.0	1793.5
7.5°	1801.4	1802.5	1809.3	1811.5	1816.1	1811.5	1818.3	1830.8	1827.4	1808.2	1810.4
10°	1846.6	1848.8	1850.0	1862.4	1870.3	1871.4	1863.5	1852.2	1851.1	1877.1	1859.0
12.5°	1898.6	1892.9	1906.5	1911.0	1920.0	1930.2	1940.4	1916.6	1931.3	1932.5	1911.0
15°	1974.3	1979.9	1964.1	1964.1	1967.5	1968.6	1996.9	1985.6	1983.3	1970.9	1979.9
17.5°	2087.3	2048.9	2047.7	2031.9	2029.7	2038.7	2048.9	2057.9	2088.4	2063.6	2015.0
20°	2169.8	2178.8	2146.1	2126.8	2130.2	2150.6	2140.4	2181.1	2202.6	2161.9	2114.4
22.5°	2315.6	2285.1	2293.0	2250.0	2253.4	2274.9	2273.8	2315.6	2328.0	2263.6	2194.7
25°	2413.9	2406.0	2412.8	2378.9	2383.4	2400.3	2427.5	2496.4	2476.0	2404.9	2245.5
27.5°	2557.4	2541.6	2535.9	2523.5	2519.0	2564.2	2595.8	2669.3	2654.6	2550.6	2335.9
30°	2704.3	2694.2	2699.8	2649.0	2667.0	2763.1	2772.1	2872.7	2865.9	2682.9	2436.5
32.5°	2806.0	2811.7	2821.9	2793.6	2873.8	2950.7	2981.2	3095.3	3101.0	2910.0	2630.9
35°	2969.9	2950.7	2956.3	2989.1	3026.4	3166.5	3216.3	3292.0	3339.4	3148.5	2817.3
37.5°	3072.7	3093.1	3069.3	3121.3	3218.5	3386.9	3432.1	3510.1	3559.8	3383.5	3071.6
40°	3233.2	3200.4	3217.4	3254.7	3354.1	3573.4	3560.9	3641.2	3657.0	3583.5	3308.9
42.5°	3406.1	3390.3	3366.6	3451.3	3534.9	3694.3	3719.2	3681.9	3762.1	3779.1	3648.0
45°	3612.9	3632.1	3635.5	3637.8	3711.2	3850.2	3816.3	3783.6	3876.2	3999.4	3858.2
47.5°	3805.0	3744.0	3788.1	3849.1	3953.1	3954.2	3993.8	3915.8	4014.1	4123.7	4048.0
50°	3869.5	3840.1	3898.8	4014.1	4174.6	4191.5	4196.1	4085.3	4136.2	4223.2	4113.6
52.5°	3844.6	3834.4	3984.7	4163.3	4398.3	4484.2	4506.8	4370.1	4398.3	4358.8	4258.2
55°	3725.9	3756.4	3907.9	4271.8	4632.3	4897.8	4940.8	4767.9	4588.2	4618.7	4508.0
56°	3563.2	3510.1	3679.6	4148.6	4622.1	5032.3	5067.4	4851.5	4729.5	4689.9	4505.7
57.5°	3023.0	2954.1	3176.7	3732.7	4365.6	4981.5	5007.5	4886.5	4705.7	4625.5	4176.8
60°	1769.7	1803.6	2086.2	2574.4	3367.7	4084.2	4171.2	4259.3	4138.4	3779.1	3108.9
62.5°	854.4	832.9	1035.2	1475.9	2052.3	2607.1	2581.1	2828.6	2964.2	2685.1	1963.0
65°	447.5	445.3	565.0	805.8	1127.8	1369.7	1393.4	1526.8	1713.2	1383.2	996.7
67.5°	328.9	337.9	397.8	566.2	725.5	740.2	736.8	803.5	821.6	695.0	612.5
70°	257.7	262.2	306.3	430.6	540.2	483.7	473.5	481.4	534.5	557.1	530.0
72.5°	186.5	191.0	228.3	290.4	337.9	330.0	336.8	380.8	446.4	470.1	441.9
75°	124.3	127.7	148.0	177.4	200.0	215.8	228.3	279.1	340.2	353.7	340.2
77.5°	85.9	89.3	102.8	125.4	127.7	137.9	142.4	166.1	203.4	220.4	211.3
80°	48.6	48.6	55.4	64.4	79.1	92.7	94.9	114.1	131.1	142.4	144.7
82.5°	22.6	23.7	29.4	39.6	52.0	64.4	66.7	79.1	91.5	102.8	106.2
85°	11.3	12.4	17.0	23.7	31.6	38.4	37.3	38.4	40.7	38.4	39.6
87.5°	3.4	3.4	4.5	5.7	4.5	5.7	5.7	6.8	7.9	9.0	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P527438

CATALOG NUMBER: GALN-SA2C-722-U-T3-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1779.9	1779.9	1779.9	1779.9	1779.9	1779.9	1779.9	1779.9	1779.9	1779.9	1779.9
2.5°	1790.1	1793.5	1770.9	1792.3	1784.4	1783.3	1799.1	1796.9	1802.5	1800.2	1786.7
5°	1791.2	1783.3	1807.0	1785.6	1795.7	1817.2	1802.5	1836.4	1819.5	1830.8	1805.9
7.5°	1826.2	1828.5	1824.0	1833.0	1828.5	1838.7	1830.8	1838.7	1825.1	1826.2	1848.8
10°	1856.8	1850.0	1857.9	1846.6	1854.5	1851.1	1833.0	1827.4	1831.9	1826.2	1840.9
12.5°	1913.3	1900.8	1895.2	1881.6	1872.6	1838.7	1810.4	1794.6	1816.1	1819.5	1812.7
15°	1970.9	1972.0	1946.0	1915.5	1859.0	1808.2	1814.9	1820.6	1820.6	1829.6	1812.7
17.5°	2007.1	2007.1	1983.3	1922.3	1864.7	1835.3	1828.5	1810.4	1794.6	1792.3	1791.2
20°	2070.3	2051.1	1996.9	1921.2	1862.4	1848.8	1798.0	1755.0	1722.3	1711.0	1709.8
22.5°	2142.7	2094.1	2018.4	1923.4	1859.0	1839.8	1744.9	1680.5	1621.7	1596.8	1600.2
25°	2209.3	2131.4	2030.8	1913.3	1846.6	1753.9	1647.7	1558.4	1497.4	1477.0	1466.9
27.5°	2255.7	2170.9	2030.8	1922.3	1800.2	1657.9	1549.4	1435.2	1382.1	1368.5	1370.8
30°	2317.8	2220.6	2065.8	1903.1	1707.6	1533.5	1403.6	1329.0	1297.4	1286.1	1294.0
32.5°	2463.6	2350.6	2114.4	1856.8	1598.0	1409.2	1304.1	1262.3	1216.0	1193.4	1185.5
35°	2621.8	2473.8	2161.9	1778.8	1474.8	1296.2	1230.7	1192.3	1136.9	1112.0	1116.5
37.5°	2845.6	2632.0	2165.3	1649.9	1341.4	1232.9	1173.0	1113.1	1067.9	1029.5	1018.2
40°	3147.3	2847.8	2157.4	1514.3	1234.1	1158.4	1114.3	1039.7	988.8	961.7	967.4
42.5°	3412.9	3101.0	2124.6	1360.6	1136.9	1107.5	1057.8	984.3	934.6	906.3	904.1
45°	3636.7	3287.5	2062.4	1229.5	1055.5	1051.0	993.4	936.9	897.3	871.3	882.6
47.5°	3843.5	3437.8	1968.6	1098.5	980.9	990.0	934.6	899.6	874.7	851.0	849.8
50°	3918.1	3435.5	1886.1	990.0	921.0	916.5	914.2	877.0	851.0	830.6	839.7
52.5°	4042.4	3473.9	1796.9	915.4	866.8	867.9	875.8	848.7	819.3	806.9	818.2
55°	4220.9	3479.6	1600.2	828.4	821.6	829.5	829.5	811.4	786.5	776.4	770.7
56°	4075.1	3311.2	1435.2	805.8	799.0	799.0	820.5	800.1	769.6	761.7	754.9
57.5°	3758.7	2901.0	1201.3	778.6	768.5	784.3	795.6	774.1	745.9	734.6	741.3
60°	2592.4	1963.0	902.9	719.9	719.9	745.9	754.9	723.3	710.8	709.7	700.7
62.5°	1513.2	1143.7	706.3	666.8	669.0	690.5	697.3	679.2	663.4	682.6	691.6
65°	802.4	682.6	605.7	610.3	611.4	628.3	657.7	656.6	655.5	661.1	662.2
67.5°	580.9	567.3	550.4	545.8	548.1	560.5	589.9	612.5	611.4	597.8	587.7
70°	517.6	498.4	488.2	489.3	480.3	495.0	518.7	533.4	507.4	491.6	484.8
72.5°	430.6	424.9	418.1	419.3	401.2	397.8	370.7	370.7	363.9	359.4	367.3
75°	328.9	326.6	330.0	324.3	305.1	284.8	269.0	254.3	231.7	222.6	218.1
77.5°	207.9	214.7	222.6	210.2	202.3	187.6	171.8	157.1	139.0	128.8	128.8
80°	141.3	146.9	152.6	150.3	141.3	127.7	115.3	99.4	87.0	79.1	78.0
82.5°	107.4	111.9	119.8	110.7	101.7	90.4	80.2	68.9	57.6	48.6	48.6
85°	38.4	44.1	48.6	53.1	56.5	57.6	49.7	40.7	32.8	26.0	24.9
87.5°	10.2	11.3	12.4	11.3	11.3	11.3	12.4	11.3	10.2	7.9	7.9
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)