

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: P526608

Luminaire Tested: **GALN-SA1C-740-U-T3R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526608  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1C-740-U-T3R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6210 lumens  
Efficiency: N/A  
Efficacy: 108.9 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

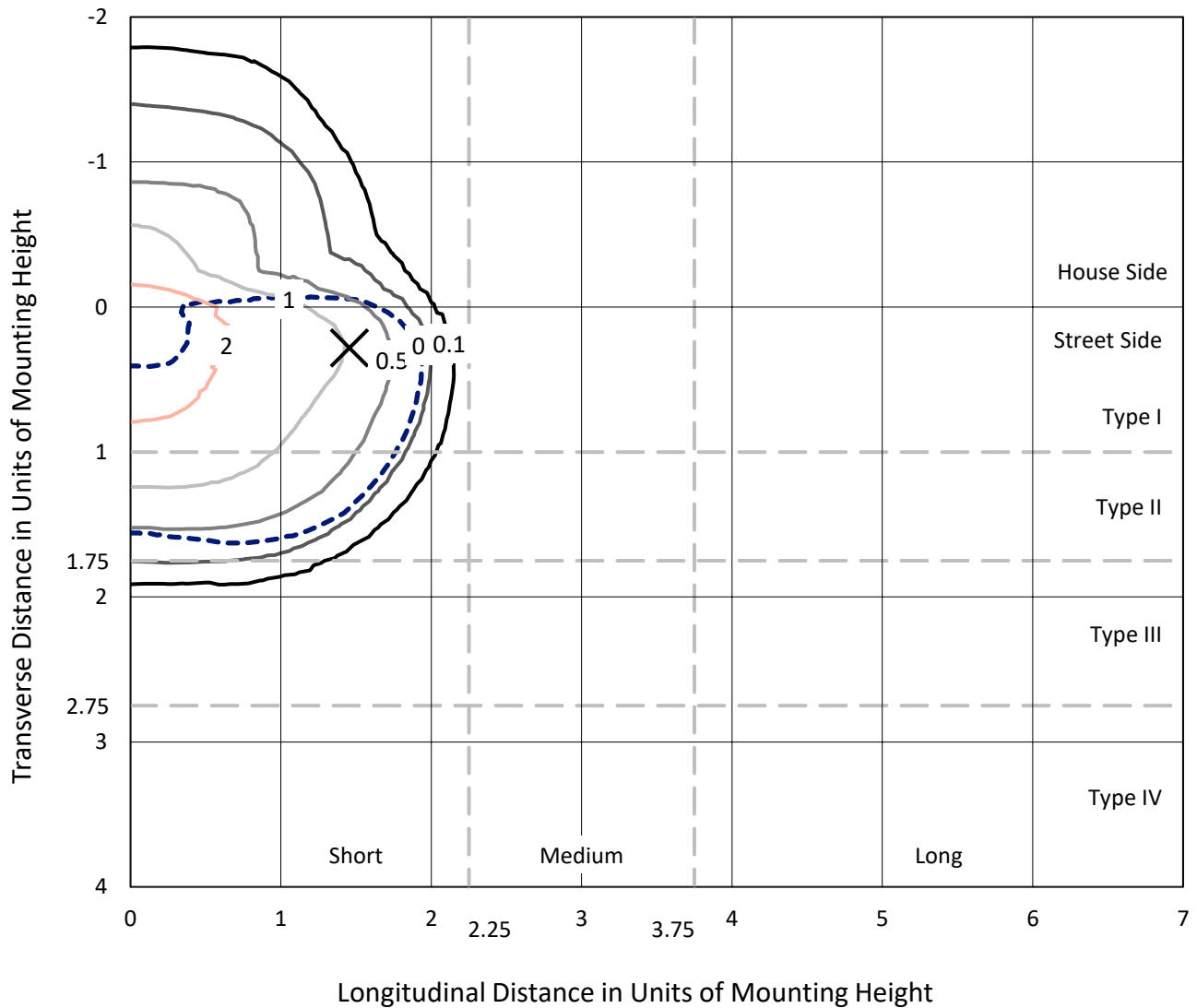
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

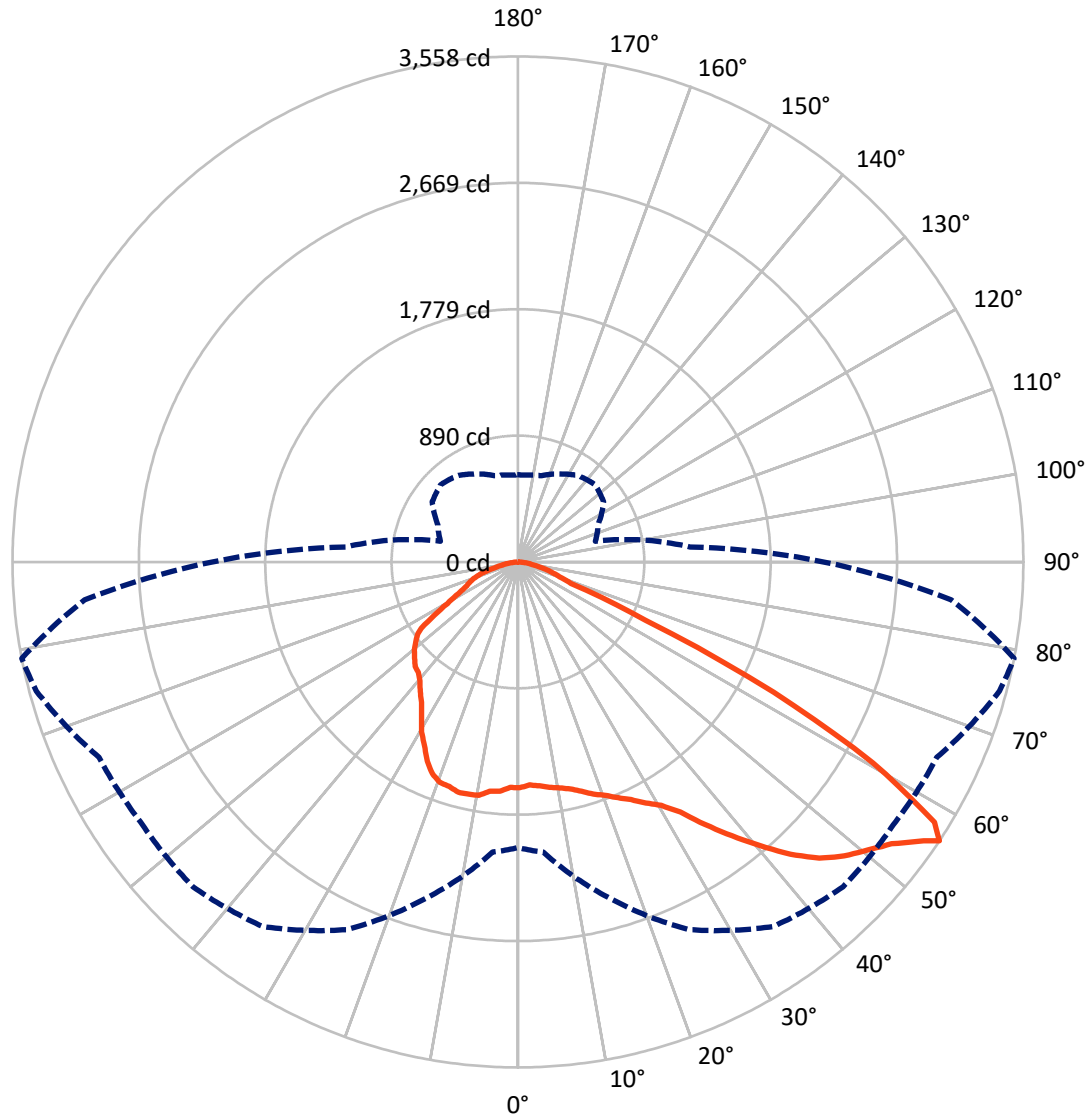
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

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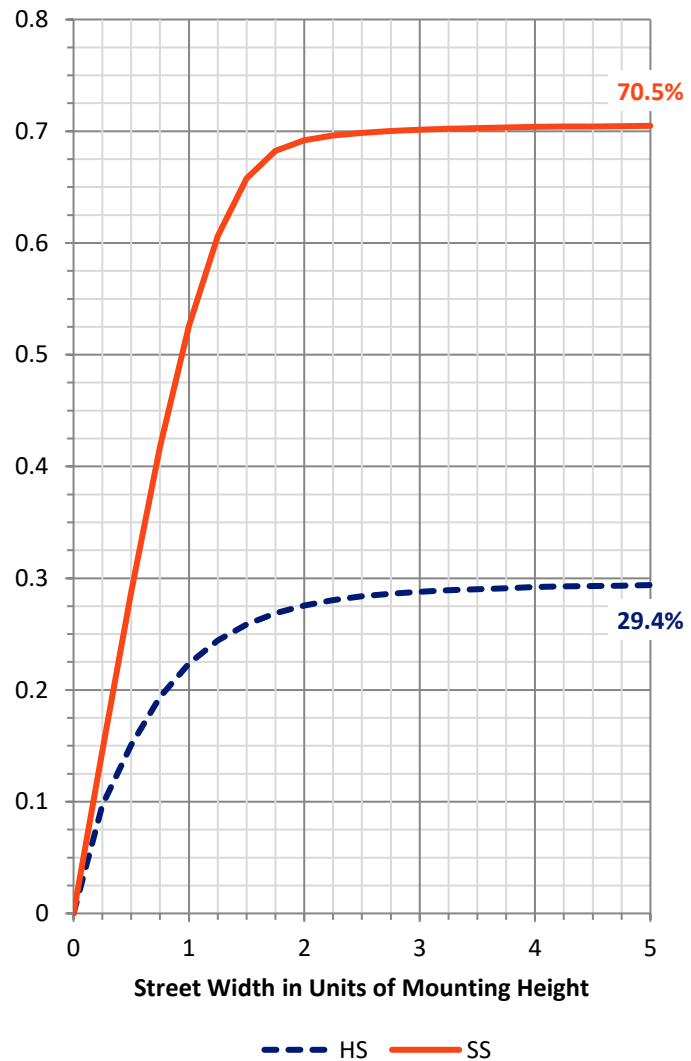
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1833.9	0.0	1833.9
	% Fixture	29.5	0.0	29.5
<b>Street Side</b>	Lumens	4376.1	0.0	4376.1
	% Fixture	70.5	0.0	70.5
<b>Total</b>	Lumens	6210.0	0.0	6210.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.5	2.3
10°-20°	395.3	6.4
20°-30°	676.4	10.9
30°-40°	1036.6	16.7
40°-50°	1401.0	22.6
50°-60°	1609.1	25.9
60°-70°	733.5	11.8
70°-80°	180.8	2.9
80°-90°	32.9	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°	6210.0	100.0
0°-180°	6210.0	100.0

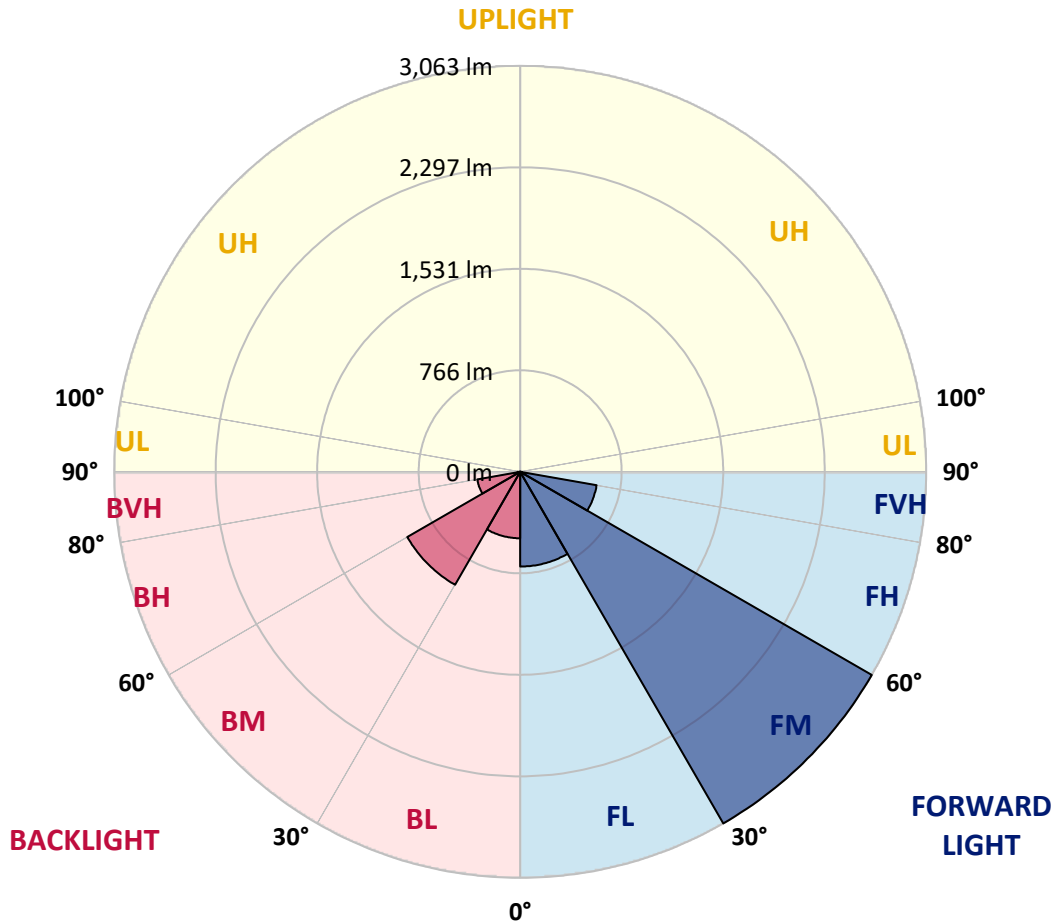


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	714.5	11.5			
FM (30°-60°)	3063.0	49.3			
FH (60°-80°)	585.5	9.4			G0/660
FVH (80°-90°)	13.1	0.2			G1/100
BL (0°-30°)	501.7	8.1	B2/1000		
BM (30°-60°)	983.7	15.8	B1/1000		
BH (60°-80°)	328.8	5.3	B1/500		G1/500
BVH (80°-90°)	19.7	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°	55°	65°	75°	79°	85°
0°	1588.9	1588.9	1588.9	1588.9	1588.9	1588.9	1588.9	1588.9	1588.9	1588.9	1588.9
2.5°	1511.5	1507.7	1517.0	1523.9	1532.4	1543.3	1548.7	1551.8	1578.8	1571.9	1592.8
5°	1479.0	1469.0	1476.0	1481.4	1496.1	1509.2	1523.9	1547.1	1571.9	1582.7	1608.2
7.5°	1450.4	1445.0	1443.5	1447.3	1467.4	1484.5	1510.0	1544.0	1584.3	1602.0	1616.7
10°	1403.2	1395.5	1407.1	1432.6	1438.0	1473.6	1503.0	1551.8	1586.6	1617.5	1660.8
12.5°	1382.4	1374.6	1376.9	1391.6	1429.5	1463.6	1498.4	1553.3	1626.8	1639.2	1697.2
15°	1415.6	1407.9	1410.2	1406.3	1442.7	1460.5	1515.4	1584.3	1654.6	1675.5	1737.4
17.5°	1491.4	1492.2	1482.1	1473.6	1465.1	1503.0	1540.9	1602.8	1665.5	1718.1	1764.5
20°	1636.1	1610.6	1590.4	1542.5	1529.3	1545.6	1593.5	1653.1	1709.6	1752.9	1805.5
22.5°	1747.5	1749.8	1721.2	1642.3	1613.6	1620.6	1661.6	1710.3	1772.2	1803.2	1863.5
25°	1909.1	1892.9	1862.0	1799.3	1735.1	1740.5	1770.7	1814.8	1831.8	1853.5	1919.2
27.5°	2056.9	2061.5	2000.4	1941.6	1862.0	1846.5	1900.6	1908.4	1879.8	1920.8	1943.2
30°	2207.0	2203.1	2162.9	2094.0	2015.9	2019.0	2043.0	2005.1	1965.6	1988.1	2003.5
32.5°	2362.5	2318.4	2316.8	2254.9	2195.4	2166.7	2137.3	2155.9	2094.8	2099.4	2084.7
35°	2487.0	2493.2	2457.6	2413.5	2384.1	2333.8	2253.4	2286.6	2275.0	2269.6	2206.2
37.5°	2577.5	2553.5	2571.3	2556.6	2528.8	2466.1	2382.6	2414.3	2419.7	2446.0	2372.5
40°	2651.8	2641.7	2688.9	2696.6	2677.3	2541.9	2391.8	2486.2	2567.4	2624.7	2537.3
42.5°	2687.3	2709.0	2758.5	2818.1	2774.8	2630.1	2439.8	2541.1	2722.2	2812.7	2693.5
45°	2735.3	2707.5	2780.9	2890.0	2890.8	2704.4	2486.2	2615.4	2842.8	2974.3	2800.3
47.5°	2686.6	2700.5	2776.3	2914.8	2950.4	2782.5	2611.5	2720.6	2975.9	3092.7	2899.3
50°	2577.5	2605.4	2743.8	2887.7	2995.2	2865.3	2755.4	2834.3	3098.9	3187.8	2915.5
52.5°	2463.8	2479.3	2695.9	2908.6	3015.3	2972.0	2948.0	2991.4	3249.0	3295.4	2935.7
55°	2154.4	2227.9	2537.3	2899.3	3113.6	3164.6	3146.1	3209.5	3419.1	3465.6	3045.5
56°	2011.3	2049.9	2442.1	2856.0	3132.9	3235.0	3225.7	3254.4	3509.6	3558.4	3062.5
57.5°	1746.7	1749.8	2082.4	2664.1	3060.2	3255.9	3246.6	3269.1	3491.9	3458.6	2913.2
60°	1093.0	1141.0	1417.2	2049.2	2602.3	3020.8	3073.4	2893.1	2944.2	2873.8	2266.5
62.5°	566.2	559.3	742.6	1198.2	1727.4	2162.9	2211.6	2203.1	2124.2	2021.3	1480.6
65°	282.3	283.9	388.3	593.3	885.0	1132.5	1268.6	1283.3	1073.7	987.8	702.4
67.5°	205.0	212.7	279.3	362.8	416.9	466.5	571.7	560.8	424.7	403.8	374.4
70°	159.4	166.3	226.7	276.9	251.4	251.4	273.8	283.1	302.5	311.0	321.0
72.5°	116.0	121.4	173.3	191.1	164.8	177.1	205.0	226.7	246.8	249.9	261.5
75°	79.7	84.3	113.7	105.2	99.0	122.2	150.1	170.2	184.9	192.6	199.6
77.5°	51.8	53.4	65.0	54.9	63.4	78.9	97.5	114.5	129.2	135.4	136.9
80°	23.2	25.5	27.8	34.8	44.1	56.5	69.6	83.5	92.8	95.1	99.8
82.5°	13.2	13.2	17.0	24.8	32.5	41.0	50.3	60.3	71.2	73.5	72.7
85°	7.0	7.0	10.1	14.7	20.1	24.0	23.2	24.0	25.5	29.4	28.6
87.5°	2.3	2.3	3.1	3.1	3.9	4.6	3.9	5.4	7.0	7.0	7.0
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°	1588.9	1588.9	1588.9	1588.9	1588.9	1588.9	1588.9	1588.9	1588.9	1588.9	1588.9
2.5°	1586.6	1593.5	1584.3	1604.4	1604.4	1600.5	1581.2	1587.3	1592.0	1592.0	1595.9
5°	1616.7	1614.4	1620.6	1596.6	1581.9	1576.5	1544.8	1529.3	1516.2	1515.4	1503.8
7.5°	1633.8	1627.6	1625.3	1607.5	1542.5	1503.0	1435.0	1395.5	1387.0	1356.8	1368.4
10°	1660.8	1672.4	1660.8	1564.1	1473.6	1383.1	1316.6	1255.5	1231.5	1212.2	1200.6
12.5°	1716.5	1711.1	1643.8	1513.1	1386.2	1278.7	1179.7	1115.5	1091.5	1074.5	1072.9
15°	1763.7	1736.6	1633.8	1432.6	1250.1	1135.6	1054.4	1008.7	997.9	999.4	1006.4
17.5°	1780.0	1761.4	1581.2	1349.1	1148.7	1014.1	976.2	969.3	979.3	990.9	994.0
20°	1805.5	1776.1	1559.5	1235.4	1023.4	938.3	936.0	960.8	979.3	996.3	998.7
22.5°	1858.9	1784.6	1489.1	1127.9	937.6	915.9	938.3	959.2	987.8	1001.8	989.4
25°	1874.3	1766.0	1390.1	998.7	883.4	902.0	926.0	954.6	974.7	982.4	987.8
27.5°	1887.5	1737.4	1256.3	912.8	866.4	901.2	926.0	949.9	960.8	967.7	973.9
30°	1924.6	1728.9	1140.2	855.6	855.6	885.7	917.4	923.6	938.3	946.8	957.7
32.5°	1943.2	1670.1	1021.1	819.2	844.7	893.5	895.8	907.4	908.2	915.1	903.5
35°	1991.9	1628.3	910.5	792.9	849.4	885.7	897.3	890.4	852.5	833.9	837.8
37.5°	2027.5	1607.5	830.8	789.8	850.1	894.2	900.4	847.8	808.4	777.4	785.2
40°	2123.4	1555.6	770.5	784.4	857.1	903.5	886.5	829.3	758.1	726.4	721.0
42.5°	2196.9	1518.5	732.6	778.2	862.5	916.7	879.5	792.1	719.4	690.0	697.8
45°	2282.0	1510.0	712.4	779.7	871.8	923.6	871.0	763.5	686.1	674.5	672.2
47.5°	2312.2	1448.9	690.8	766.6	869.5	921.3	842.4	741.8	673.8	675.3	681.5
50°	2261.9	1386.2	674.5	739.5	854.0	900.4	797.5	713.2	666.8	686.1	697.0
52.5°	2197.7	1322.0	641.3	703.2	822.3	867.9	776.7	711.7	659.8	653.7	656.0
55°	2217.0	1269.4	594.9	653.7	771.2	807.6	753.4	697.0	642.8	619.6	627.4
56°	2154.4	1215.3	564.7	622.7	736.4	768.9	741.8	683.8	628.9	613.4	613.4
57.5°	1977.2	1033.5	525.2	573.2	662.9	701.6	719.4	676.1	613.4	586.4	587.1
60°	1458.2	734.9	471.1	505.1	549.2	580.2	662.9	654.4	574.8	556.2	549.2
62.5°	898.9	536.9	432.4	445.6	468.0	493.5	578.6	592.5	533.8	513.6	509.0
65°	503.6	410.8	403.0	408.4	419.3	432.4	480.4	511.3	471.1	440.2	438.6
67.5°	368.2	367.4	373.6	378.3	382.9	382.9	394.5	406.9	401.5	376.7	374.4
70°	327.2	329.5	334.2	335.0	336.5	331.1	321.8	317.9	324.1	308.7	305.6
72.5°	270.0	277.7	283.1	283.9	275.4	268.4	256.0	242.9	238.3	235.2	234.4
75°	207.3	212.7	215.0	214.3	211.2	201.1	186.4	173.3	164.8	155.5	160.1
77.5°	140.0	147.8	151.6	151.6	147.0	131.5	124.5	114.5	106.0	95.9	97.5
80°	98.2	103.7	109.8	109.1	101.3	93.6	83.5	74.3	67.3	59.6	58.8
82.5°	73.5	76.6	79.7	78.1	72.7	65.0	58.0	49.5	41.8	36.4	36.4
85°	26.3	28.6	34.8	36.4	39.5	39.5	33.3	27.8	22.4	18.6	18.6
87.5°	7.7	7.7	8.5	8.5	7.7	8.5	7.0	7.7	8.5	5.4	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

(END OF REPORT)