

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: P526544

Luminaire Tested: **GALN-SA1C-730-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526544
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-SA1C-730-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 5481 lumens
Efficiency: N/A
Efficacy: 96.2 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

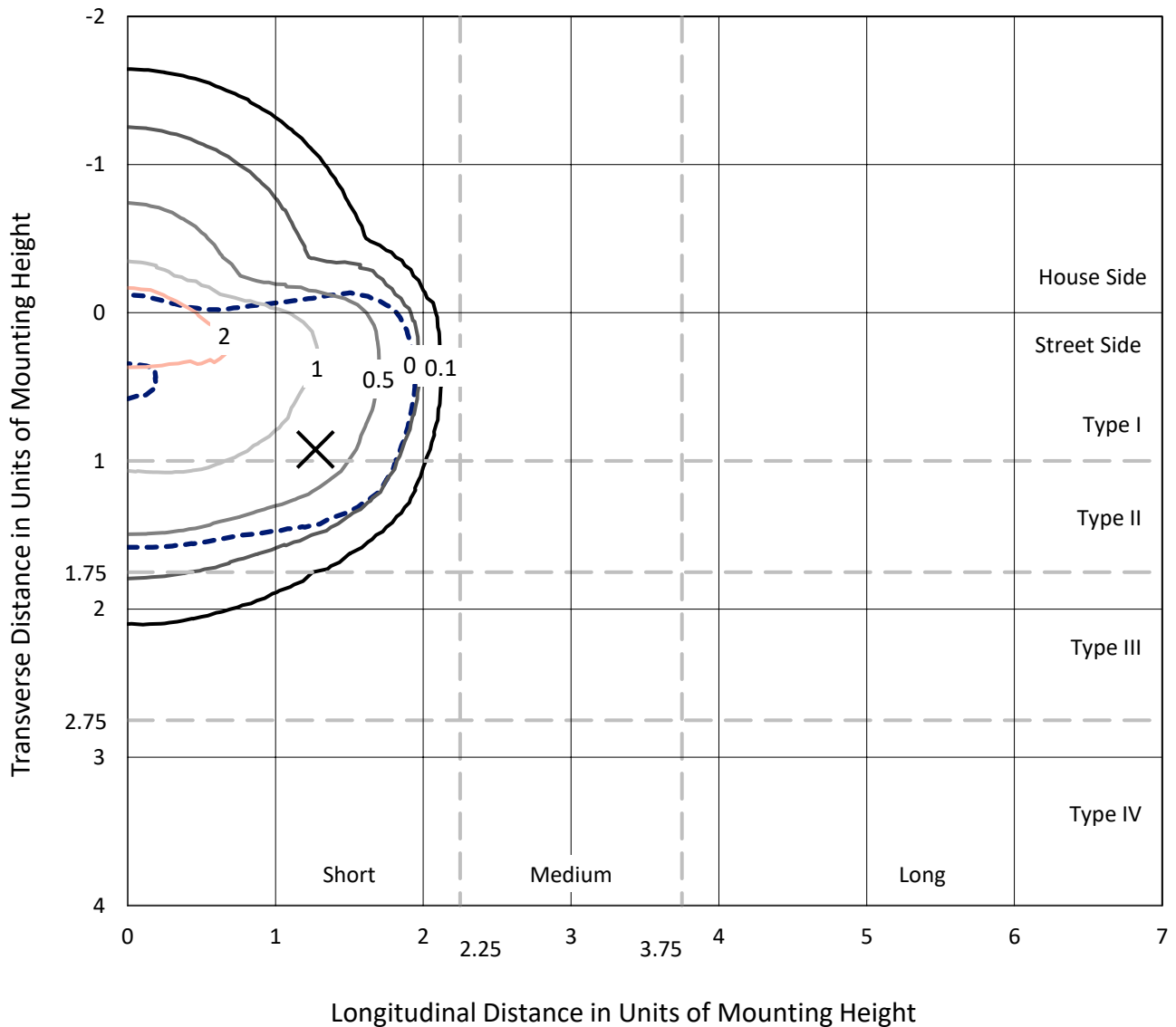
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

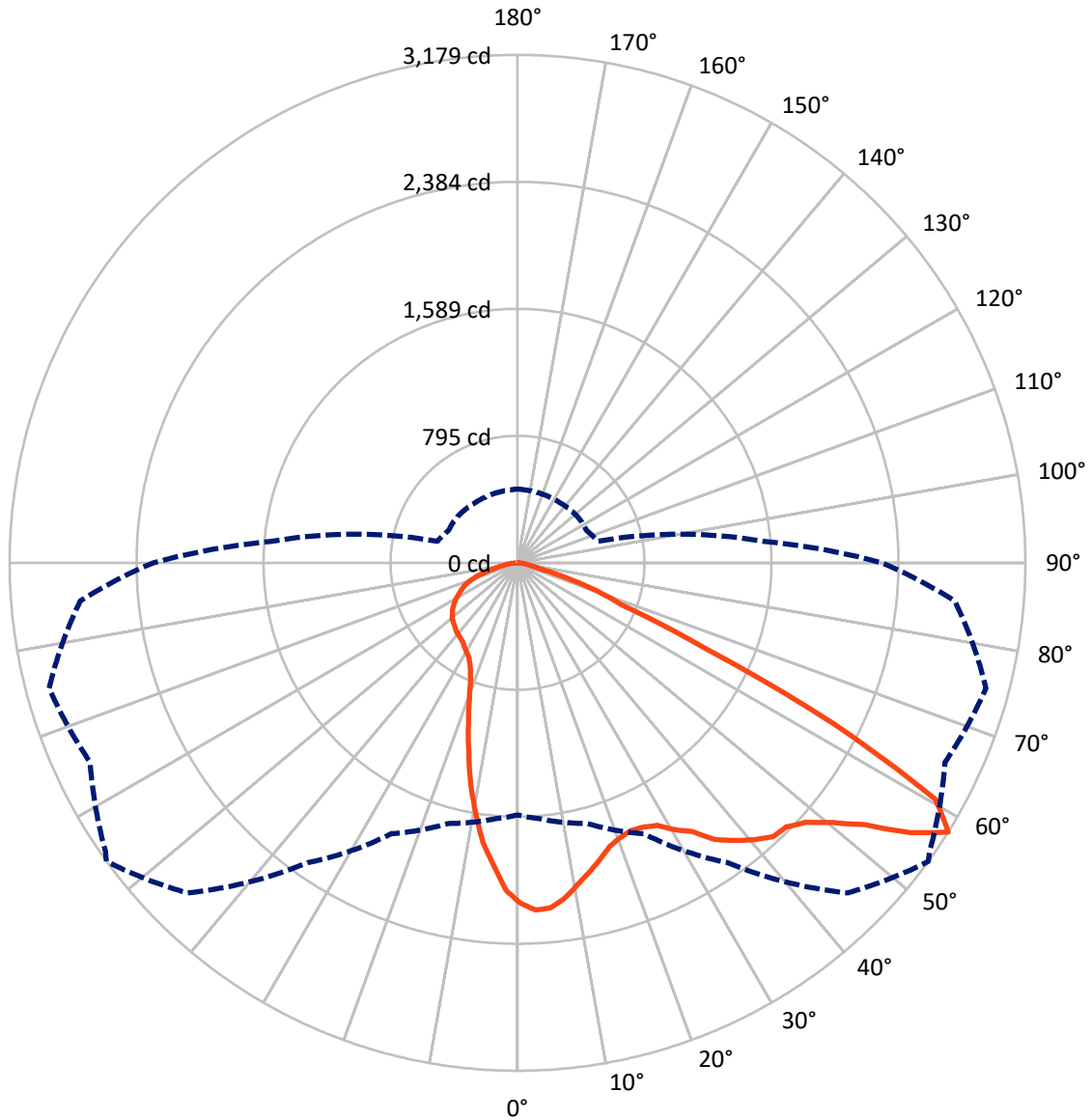
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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
House Side	Lumens	1516.3	0.0	1516.3
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	3964.6	0.0	3964.6
	% Fixture	72.3	0.0	72.3
Total	Lumens	5481.0	0.0	5481.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.7	3.4
10°-20°	425.4	7.8
20°-30°	597.7	10.9
30°-40°	835.6	15.2
40°-50°	1131.2	20.6
50°-60°	1377.8	25.1
60°-70°	717.6	13.1
70°-80°	183.9	3.4
80°-90°	28.0	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°	5481.0	100.0
0°-180°	5481.0	100.0

Coefficient of Utilization

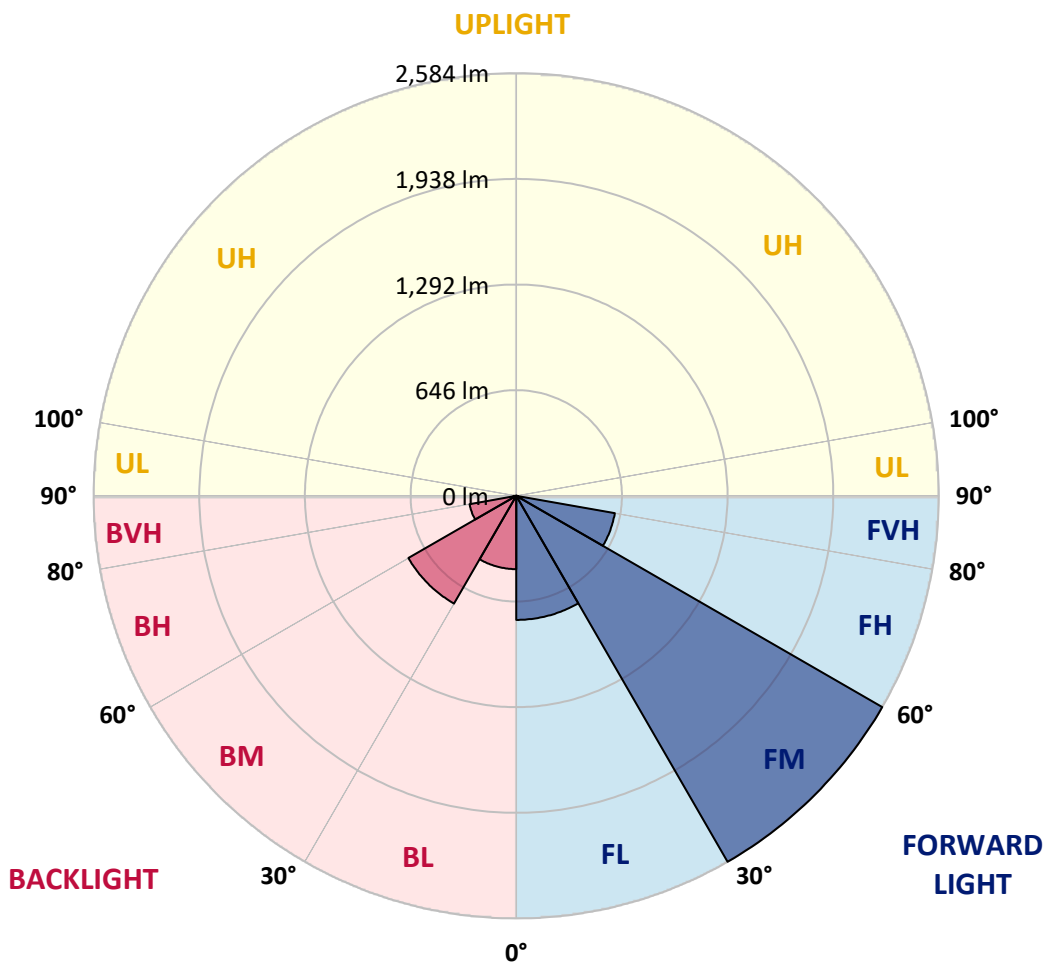


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	758.6	13.8			
FM (30°-60°)	2583.6	47.1			
FH (60°-80°)	611.8	11.2			G0/660
FVH (80°-90°)	10.6	0.2			G1/100
BL (0°-30°)	448.2	8.2	B1/500		
BM (30°-60°)	761.0	13.9	B1/1000		
BH (60°-80°)	289.7	5.3	B1/500		G1/500
BVH (80°-90°)	17.4	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°	2130.4	2130.4	2130.4	2130.4	2130.4	2130.4	2130.4	2130.4	2130.4	2130.4	2130.4
2.5°	2191.0	2182.5	2183.9	2195.2	2181.1	2175.5	2175.5	2148.0	2150.1	2131.1	2126.2
5°	2140.3	2120.5	2133.9	2150.8	2153.7	2159.3	2168.4	2161.4	2141.7	2121.2	2088.1
7.5°	2007.8	2025.4	2030.4	2042.3	2067.7	2091.0	2119.8	2100.1	2099.4	2079.0	2059.2
10°	1891.6	1881.0	1907.8	1925.4	1967.7	2006.4	2050.8	2048.7	2059.2	2036.0	2002.2
12.5°	1776.0	1767.6	1780.3	1820.4	1879.6	1936.0	1988.8	1969.1	2025.4	2021.2	1948.6
15°	1653.5	1659.8	1678.1	1715.5	1792.9	1860.6	1927.5	1928.2	1978.2	1995.1	1897.9
17.5°	1567.5	1560.5	1583.7	1639.4	1708.4	1789.4	1865.5	1881.0	1957.8	1967.7	1882.4
20°	1503.4	1513.3	1543.6	1571.7	1651.3	1749.3	1835.2	1840.9	1953.6	1980.3	1857.8
22.5°	1487.9	1482.3	1492.1	1537.9	1603.4	1709.8	1819.0	1840.1	1952.9	1976.1	1811.3
25°	1471.7	1490.0	1489.3	1535.1	1583.0	1678.1	1832.4	1855.6	1990.2	1998.0	1817.6
27.5°	1508.3	1506.2	1525.9	1529.5	1588.6	1686.6	1860.6	1878.2	2052.2	2045.9	1822.5
30°	1545.0	1534.4	1546.4	1587.9	1615.4	1735.2	1938.1	1936.7	2132.5	2128.3	1838.0
32.5°	1590.1	1585.1	1592.9	1629.5	1676.0	1800.0	2003.6	2045.2	2214.2	2241.0	1891.6
35°	1598.5	1618.9	1637.3	1686.6	1752.8	1905.0	2126.9	2161.4	2308.6	2392.5	1993.7
37.5°	1652.0	1659.8	1702.8	1790.1	1850.7	2045.2	2205.1	2226.9	2394.6	2489.7	2101.5
40°	1709.1	1718.3	1783.1	1874.7	1957.8	2136.7	2278.3	2285.4	2422.1	2564.4	2172.0
42.5°	1786.6	1795.1	1859.2	1974.0	2085.3	2214.9	2343.2	2350.9	2420.0	2650.3	2284.0
45°	1866.9	1887.4	1962.7	2093.1	2193.1	2306.5	2358.0	2389.7	2439.7	2727.1	2374.9
47.5°	1979.6	1998.7	2060.7	2188.2	2305.1	2386.8	2426.3	2457.3	2486.9	2794.0	2433.3
50°	2099.4	2102.9	2178.3	2293.8	2379.8	2477.7	2553.8	2564.4	2548.9	2871.5	2532.7
52.5°	2187.5	2198.7	2257.2	2369.9	2498.1	2618.6	2722.9	2734.2	2703.9	2900.4	2566.5
55°	2041.6	2035.3	2130.4	2280.5	2577.8	2828.6	2980.0	2988.5	2816.6	2989.9	2677.1
57.5°	1578.1	1608.4	1689.4	1870.4	2290.3	2921.6	3178.7	3148.4	2951.8	3035.0	2747.5
60°	1146.9	1139.9	1194.1	1315.3	1726.0	2517.9	3005.4	3036.4	2841.2	2735.6	2265.7
62.5°	934.2	924.3	928.5	932.8	1113.8	1671.1	2224.8	2224.1	2188.2	1966.3	1528.1
65°	746.8	770.0	772.1	803.8	827.1	998.3	1289.2	1358.3	1182.9	970.1	703.8
67.5°	562.9	554.4	582.6	695.3	739.0	720.7	703.8	711.5	505.8	364.9	343.8
70°	331.8	328.3	362.1	484.7	608.7	572.8	530.5	531.2	347.3	255.0	283.9
72.5°	181.8	181.1	188.1	245.9	345.9	359.3	318.4	328.3	207.1	206.4	221.9
75°	101.4	99.3	97.2	108.5	124.7	131.7	134.6	136.0	142.3	159.2	165.6
77.5°	37.3	35.9	35.9	41.6	52.8	66.2	83.8	85.2	100.7	115.5	121.9
80°	12.7	14.1	19.0	26.1	35.2	47.2	57.1	58.5	71.2	81.0	83.1
82.5°	7.7	8.5	12.7	18.3	25.4	33.1	42.3	43.0	52.8	59.2	62.0
85°	3.5	4.2	7.0	11.3	16.2	21.8	22.5	22.5	21.8	22.5	21.1
87.5°	0.0	0.0	1.4	1.4	1.4	2.1	2.8	2.1	3.5	4.2	4.2
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°	2130.4	2130.4	2130.4	2130.4	2130.4	2130.4	2130.4	2130.4	2130.4	2130.4	2130.4
2.5°	2111.4	2103.6	2079.7	2058.5	2052.2	2024.0	1982.5	1987.4	1957.1	1971.2	1956.4
5°	2082.5	2056.4	1995.1	1969.1	1900.7	1869.7	1848.6	1795.8	1771.1	1766.2	1745.0
7.5°	2008.5	1992.3	1915.5	1845.1	1772.5	1710.5	1630.9	1576.7	1537.9	1527.4	1496.4
10°	1950.1	1914.1	1807.7	1700.7	1597.1	1489.3	1385.7	1304.7	1265.3	1219.5	1204.0
12.5°	1892.3	1838.0	1694.3	1556.9	1423.1	1287.1	1161.7	1063.1	977.1	956.7	949.7
15°	1856.4	1761.9	1592.9	1427.3	1237.1	1059.6	934.2	869.4	816.5	794.7	810.2
17.5°	1809.2	1699.2	1495.6	1275.1	1065.9	902.5	797.5	757.3	738.3	740.4	734.1
20°	1750.0	1640.1	1368.1	1137.1	913.0	782.7	722.8	708.0	710.8	715.8	713.7
22.5°	1707.7	1568.2	1275.8	996.2	789.0	716.5	691.8	681.2	690.4	694.6	691.1
25°	1675.3	1506.9	1163.8	871.5	717.2	679.1	667.9	667.2	681.2	686.9	683.4
27.5°	1645.7	1449.9	1052.5	776.4	669.3	650.3	646.7	655.2	664.3	670.0	674.9
30°	1628.1	1406.2	948.3	696.7	645.3	636.2	629.8	637.6	642.5	648.1	645.3
32.5°	1645.0	1375.2	847.5	651.7	625.6	616.4	624.9	620.0	628.4	633.3	625.6
35°	1697.8	1347.7	775.7	627.7	603.1	606.6	608.0	605.9	609.4	605.2	614.3
37.5°	1750.0	1337.8	709.4	607.3	592.5	592.5	591.1	586.8	593.9	592.5	596.7
40°	1816.2	1344.2	653.1	585.4	582.6	581.2	575.6	574.9	572.1	572.8	574.2
42.5°	1874.0	1358.3	620.7	571.3	573.5	576.3	565.7	557.3	560.8	553.7	553.7
45°	1935.3	1371.0	591.8	561.5	559.4	558.7	550.2	545.3	542.5	543.2	549.5
47.5°	2031.8	1389.3	569.9	548.1	549.5	538.9	536.8	530.5	533.3	537.5	538.2
50°	2100.1	1428.0	553.0	532.6	537.5	530.5	517.8	515.0	515.0	522.0	520.6
52.5°	2148.0	1482.3	536.8	515.7	517.8	512.2	507.9	501.6	497.4	507.2	512.2
55°	2294.5	1572.4	532.6	501.6	500.9	495.3	487.5	481.2	479.1	480.5	490.3
57.5°	2280.5	1544.3	519.2	476.9	475.5	467.8	460.0	457.9	457.2	458.6	461.4
60°	1851.4	1140.6	463.6	448.8	446.7	445.2	437.5	429.0	424.8	429.0	425.5
62.5°	1225.1	763.7	408.6	414.9	416.4	412.8	400.2	391.7	393.1	398.0	390.3
65°	601.6	448.8	370.6	387.5	388.9	379.0	367.0	357.2	352.2	356.5	353.0
67.5°	343.8	343.1	339.6	357.2	356.5	346.6	327.6	319.1	310.7	312.1	310.0
70°	291.7	297.3	304.3	314.9	314.2	302.9	280.4	274.0	262.1	260.7	257.1
72.5°	229.7	239.5	255.0	262.8	256.4	242.3	227.6	217.0	206.4	200.1	202.2
75°	170.5	184.6	193.0	198.0	188.1	180.4	168.4	155.7	143.0	137.4	135.3
77.5°	124.0	128.2	136.0	139.5	133.2	125.4	118.4	105.7	93.7	85.9	83.8
80°	86.7	89.5	95.1	95.1	95.1	91.6	82.4	69.7	62.0	55.0	53.5
82.5°	60.6	63.4	69.0	66.2	65.5	61.3	55.7	45.8	37.3	32.4	31.0
85°	21.1	23.2	28.2	33.8	35.9	35.2	31.7	25.4	19.7	16.2	14.8
87.5°	4.9	4.9	5.6	4.9	4.9	5.6	4.9	4.9	4.9	3.5	2.8
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)