

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P632316

Luminaire Tested: GWS-SA2C-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9068.5 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

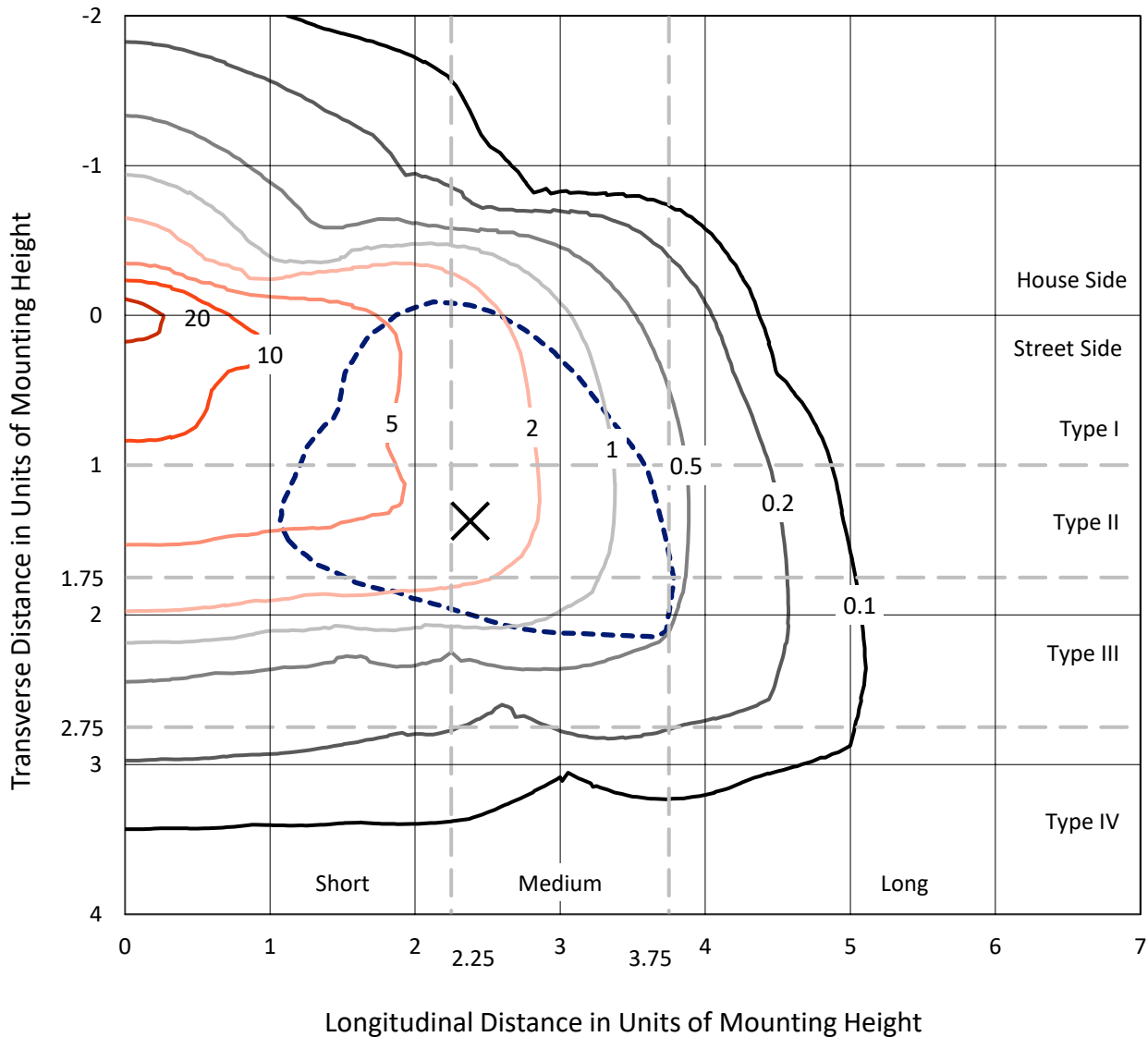
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

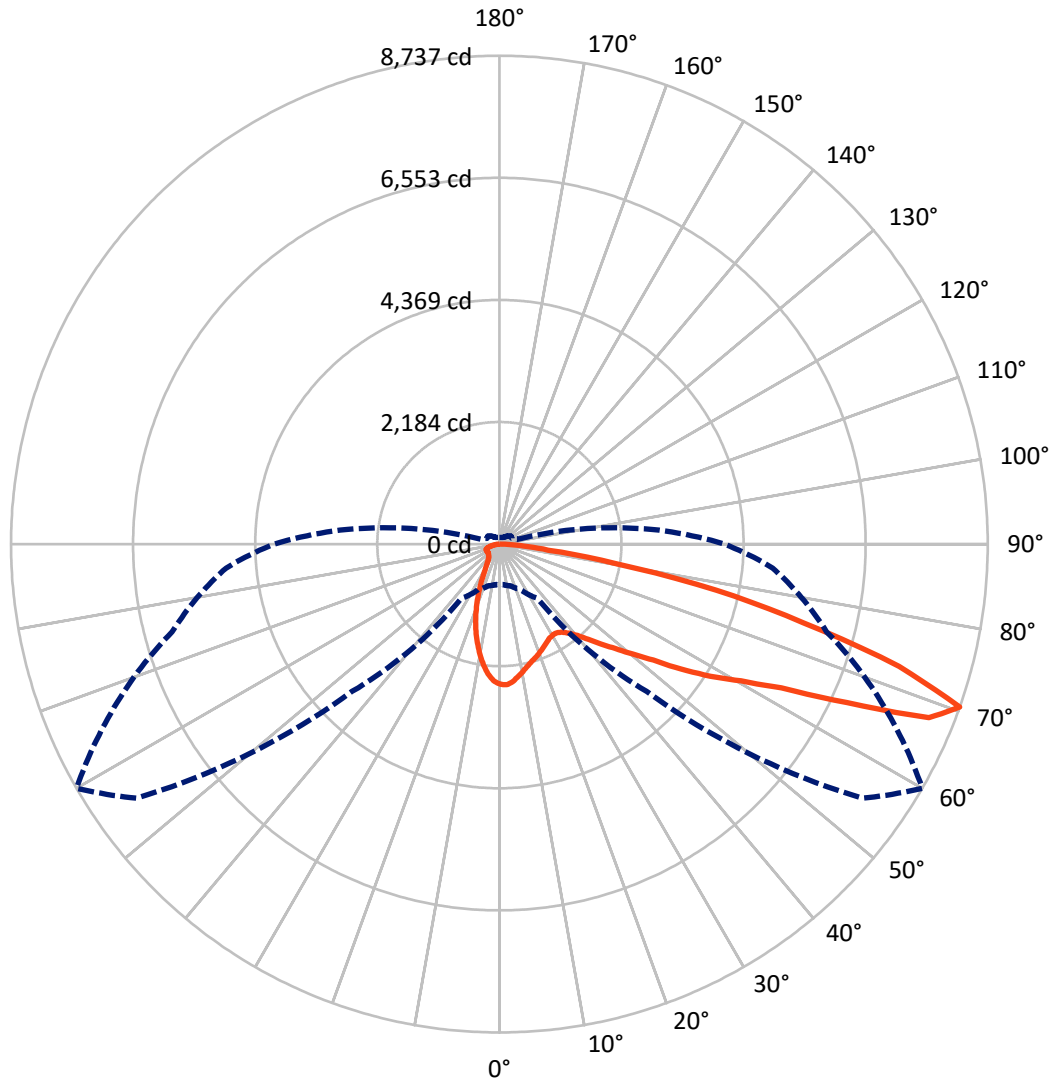
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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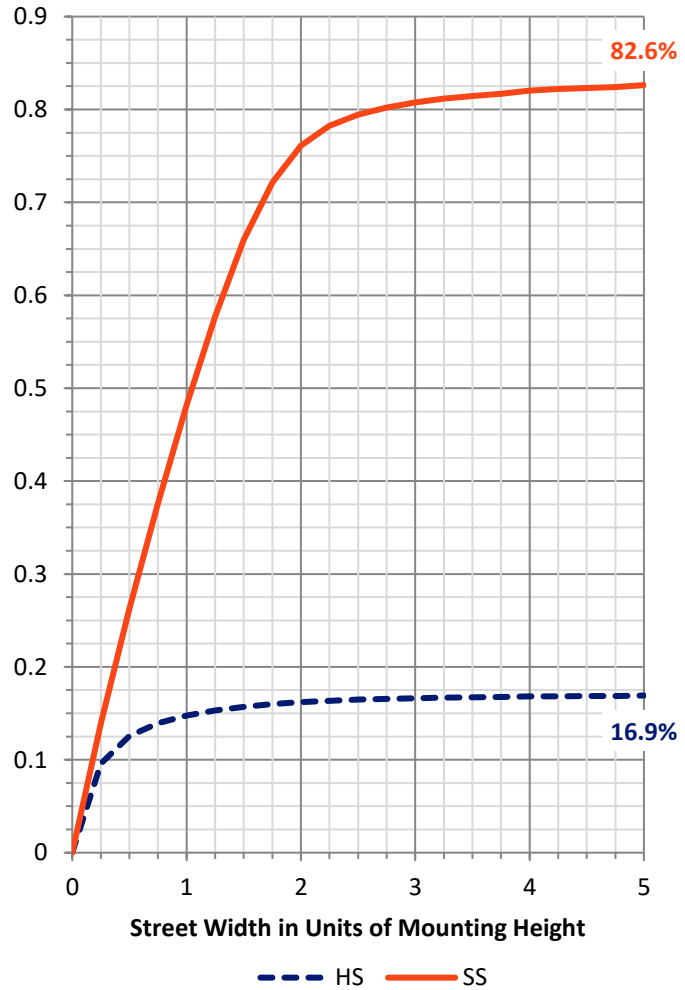
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1550.9	0.0	1550.9
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	7517.6	0.0	7517.6
	% Fixture	82.9	0.0	82.9
Total	Lumens	9068.5	0.0	9068.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.3	2.4
10°-20°	484.6	5.3
20°-30°	620.6	6.8
30°-40°	815.6	9.0
40°-50°	1183.3	13.0
50°-60°	1846.2	20.4
60°-70°	2417.1	26.7
70°-80°	1336.6	14.7
80°-90°	148.3	1.6
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°	9068.5	100.0
0°-180°	9068.5	100.0

Coefficient of Utilization



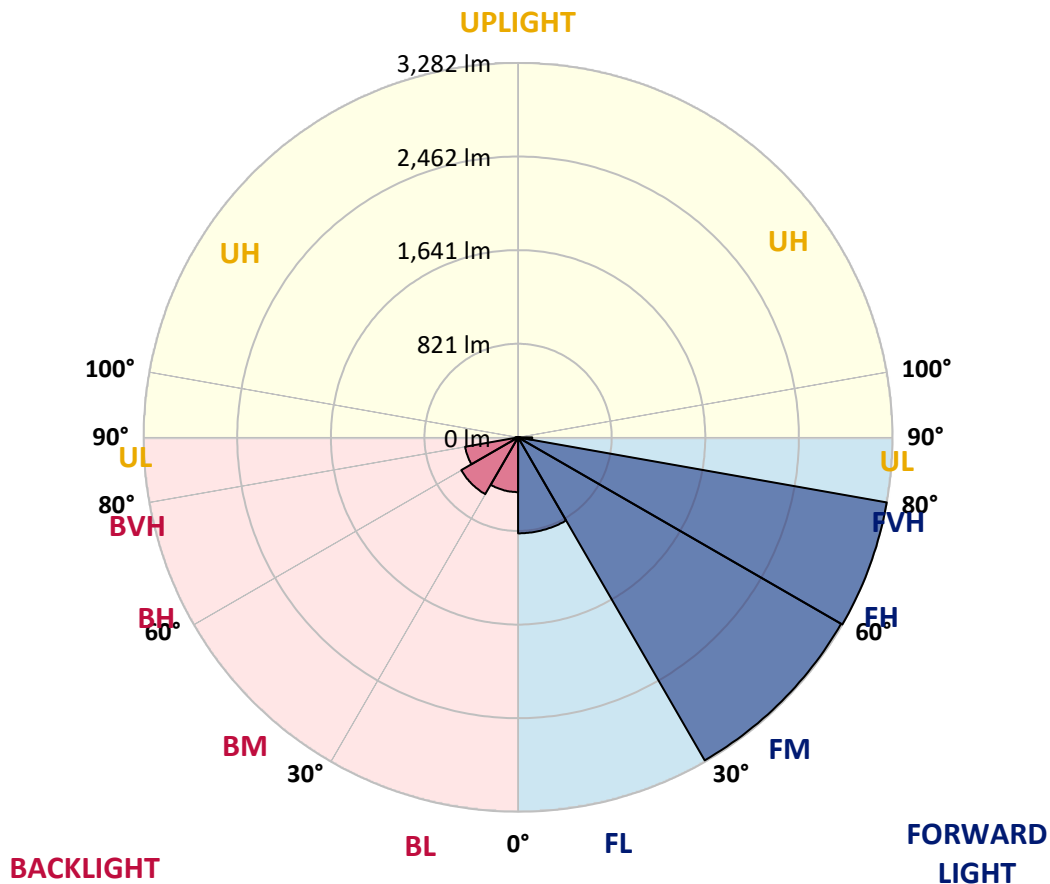
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	841.6	9.3			
FM (30°-60°)	3270.1	36.1			
FH (60°-80°)	3282.3	36.2			G2/5000
FVH (80°-90°)	123.6	1.4			G2/225
BL (0°-30°)	479.8	5.3	B1/500		
BM (30°-60°)	575.0	6.3	B1/1000		
BH (60°-80°)	471.3	5.2	B1/500		G1/500
BVH (80°-90°)	24.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4
2.5°	2474.2	2476.9	2484.2	2494.8	2505.4	2510.7	2524.0	2520.0	2517.3	2512.0	2505.4
5°	2364.7	2370.0	2376.7	2397.2	2420.5	2439.0	2468.9	2472.2	2473.5	2476.2	2465.6
7.5°	2225.4	2226.7	2242.6	2269.8	2300.4	2332.2	2382.0	2395.9	2407.9	2421.1	2412.5
10°	2071.5	2074.8	2086.7	2125.9	2178.3	2225.4	2292.4	2315.6	2340.8	2370.0	2358.1
12.5°	1945.4	1946.1	1965.3	2007.1	2064.2	2127.9	2211.5	2239.3	2272.5	2318.3	2307.7
15°	1845.2	1845.2	1863.1	1898.9	1964.6	2039.6	2139.1	2175.0	2220.1	2281.8	2263.2
17.5°	1765.6	1766.2	1777.5	1815.3	1873.7	1956.7	2074.8	2123.2	2173.0	2254.6	2226.7
20°	1723.8	1720.5	1722.5	1745.7	1795.4	1875.7	2010.4	2066.8	2133.8	2236.0	2193.5
22.5°	1721.8	1715.8	1707.2	1709.2	1738.4	1804.7	1941.4	2009.8	2094.0	2220.7	2159.7
25°	1755.6	1749.0	1733.7	1716.5	1713.8	1753.6	1876.4	1954.0	2052.9	2214.1	2127.2
27.5°	1812.7	1808.0	1788.1	1762.3	1735.1	1733.7	1827.3	1908.2	2023.0	2220.7	2104.0
30°	1888.3	1880.4	1867.8	1834.6	1793.5	1751.0	1808.0	1883.7	2003.1	2242.0	2094.0
32.5°	1973.9	1969.3	1957.3	1924.2	1880.4	1812.7	1823.3	1889.0	2003.1	2279.1	2096.0
35°	2064.8	2064.2	2064.2	2042.3	1993.8	1909.6	1883.7	1934.1	2033.6	2338.9	2117.2
37.5°	2153.1	2152.4	2173.6	2181.6	2126.5	2035.6	1986.5	2024.4	2100.7	2427.1	2169.7
40°	2224.7	2227.4	2273.8	2313.6	2283.1	2198.9	2129.8	2149.1	2209.5	2552.5	2261.2
42.5°	2297.1	2304.3	2374.0	2444.3	2456.3	2383.3	2313.6	2324.9	2365.4	2718.4	2397.9
45°	2376.0	2379.3	2476.9	2575.1	2632.8	2589.7	2532.6	2547.9	2557.1	2923.4	2601.6
47.5°	2452.3	2460.9	2587.0	2721.7	2831.2	2827.2	2795.3	2790.7	2792.7	3172.9	2842.5
50°	2556.5	2569.1	2717.0	2879.6	3040.2	3113.8	3123.1	3087.9	3073.3	3450.2	3142.4
52.5°	2754.2	2754.2	2886.9	3046.8	3262.4	3444.9	3507.3	3449.6	3403.1	3743.5	3460.8
55°	3001.7	3012.3	3117.8	3247.2	3520.6	3793.3	4004.2	3940.5	3809.2	4062.6	3794.6
57.5°	3111.8	3125.1	3292.3	3493.3	3858.3	4189.4	4482.0	4459.4	4267.7	4394.4	4140.9
60°	2912.8	2940.6	3170.9	3507.9	4164.1	4828.3	5034.7	4969.0	4695.0	4742.7	4516.5
62.5°	2429.8	2460.3	2715.7	3186.1	4121.7	5519.0	5905.8	5663.7	5228.4	5182.6	5016.8
65°	1449.8	1448.4	1755.6	2379.3	3598.2	5710.8	7284.6	6832.8	6052.5	5786.4	5531.6
67.5°	921.6	919.6	984.0	1260.7	2394.6	5241.0	8171.0	8288.5	7171.8	6230.3	5574.1
70°	727.2	726.5	773.0	899.0	1184.4	3729.6	7924.2	8737.0	7847.9	6061.1	4907.9
72.5°	530.1	531.5	603.1	753.1	913.6	1872.4	6416.7	7475.7	7218.3	5350.5	3984.3
75°	380.9	382.8	426.0	576.6	842.6	1023.8	4267.0	5621.2	5491.8	4288.9	2740.9
77.5°	242.2	244.8	282.7	404.1	680.8	826.7	2587.0	3968.4	3653.9	2416.5	974.7
80°	148.0	156.6	188.4	301.2	544.1	620.4	1293.2	2090.7	1829.9	662.8	327.8
82.5°	76.3	82.9	113.5	186.4	374.9	544.7	731.8	878.5	566.6	277.3	174.5
85°	23.9	27.9	39.8	75.6	178.5	337.7	484.4	436.6	260.1	130.7	80.9
87.5°	6.0	6.0	6.6	6.6	7.3	15.3	93.6	98.9	69.0	41.1	33.2
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°	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4
2.5°	2492.1	2476.2	2469.6	2468.9	2452.3	2428.4	2412.5	2401.2	2394.6	2393.3	2393.3
5°	2447.7	2427.1	2399.9	2379.3	2334.9	2289.8	2251.9	2230.7	2206.2	2202.8	2202.2
7.5°	2388.6	2358.8	2307.0	2249.3	2171.6	2096.7	2033.0	1989.8	1946.7	1938.8	1936.1
10°	2324.9	2284.4	2196.2	2094.7	1978.6	1866.4	1768.9	1692.6	1642.2	1606.3	1599.7
12.5°	2261.9	2208.1	2078.8	1927.5	1768.2	1615.0	1468.3	1343.6	1253.4	1200.9	1191.7
15°	2202.8	2127.9	1950.7	1757.6	1550.6	1340.9	1133.3	971.4	844.6	799.5	788.9
17.5°	2149.1	2055.5	1826.6	1581.8	1323.7	1049.7	813.5	669.5	595.2	572.6	567.3
20°	2095.3	1981.2	1700.6	1396.7	1082.8	775.6	594.5	526.8	499.0	490.3	487.7
22.5°	2037.6	1899.6	1563.2	1214.2	839.3	580.6	486.3	456.5	447.9	448.5	447.9
25°	1979.9	1816.7	1419.2	1015.8	625.0	471.1	424.6	413.4	415.4	421.3	422.7
27.5°	1932.1	1743.0	1277.9	798.2	488.3	405.4	383.5	382.8	390.1	398.1	399.4
30°	1897.6	1677.3	1138.6	613.7	402.1	360.3	351.7	355.6	364.3	370.2	372.2
32.5°	1873.1	1620.9	989.9	482.4	352.3	328.4	324.5	328.4	333.7	339.7	341.0
35°	1864.4	1579.8	844.0	393.5	318.5	305.2	302.6	304.5	307.2	310.5	311.8
37.5°	1883.7	1559.2	691.4	342.4	297.9	290.0	286.0	284.6	285.3	286.6	287.3
40°	1940.7	1568.5	566.6	312.5	284.6	277.3	270.7	268.1	267.4	268.7	268.1
42.5°	2038.9	1607.7	476.4	295.3	274.0	263.4	256.1	253.5	253.5	256.8	256.8
45°	2182.9	1684.6	411.4	282.7	264.7	251.5	243.5	242.2	244.8	250.1	250.8
47.5°	2393.9	1797.4	372.2	273.4	256.1	240.9	232.9	232.2	237.5	246.2	246.8
50°	2644.1	1960.0	351.0	266.7	250.1	232.2	224.3	224.9	230.9	240.2	242.2
52.5°	2945.3	2181.6	352.3	264.1	246.8	226.9	219.0	217.6	223.6	232.9	234.9
55°	3256.5	2451.0	378.2	264.7	242.2	224.3	213.6	209.0	214.3	220.9	221.6
57.5°	3598.8	2754.9	442.6	263.4	236.2	221.6	209.0	198.4	201.7	205.7	207.7
60°	3985.0	3112.5	581.2	266.1	233.6	215.6	199.7	185.8	185.1	187.8	188.4
62.5°	4501.2	3598.8	737.2	270.7	239.5	208.3	185.8	171.2	168.5	169.9	170.5
65°	4896.0	3831.1	688.1	266.7	252.1	203.0	172.5	157.3	151.9	150.6	150.6
67.5°	4735.4	3523.9	479.0	256.1	258.1	203.7	161.9	142.7	136.0	132.7	132.0
70°	4029.5	2862.4	333.1	245.5	251.5	202.4	150.6	130.7	122.1	117.4	116.8
72.5°	3183.5	2185.6	269.4	224.3	228.2	182.5	134.0	117.4	110.1	104.2	104.2
75°	2048.9	1333.6	224.9	199.7	186.4	142.0	116.1	104.8	97.5	91.6	91.6
77.5°	689.4	495.0	174.5	169.2	139.3	106.8	97.5	90.2	84.3	79.0	78.3
80°	280.0	234.9	128.1	128.1	97.5	81.6	76.3	73.0	69.0	62.4	62.4
82.5°	162.6	142.7	89.6	77.6	65.0	56.4	53.1	49.8	49.8	45.1	45.1
85°	78.3	79.0	53.7	47.8	37.2	32.5	31.2	29.2	28.5	25.9	25.2
87.5°	42.5	43.1	27.2	21.2	14.6	12.6	10.6	10.0	9.3	8.6	8.6
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)