

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: P635262

Luminaire Tested: GWS-SA3D-735-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17208.3 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

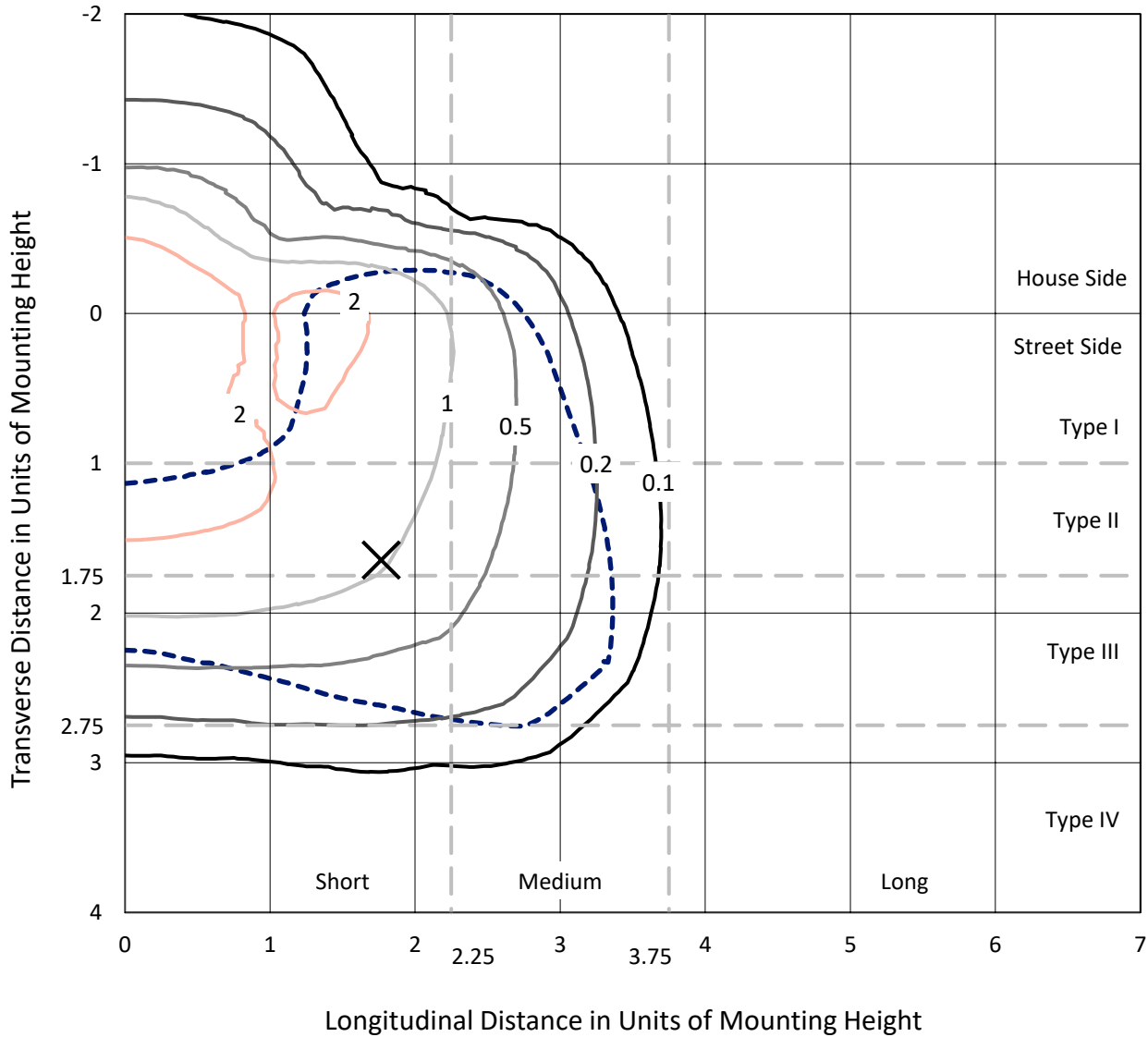
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

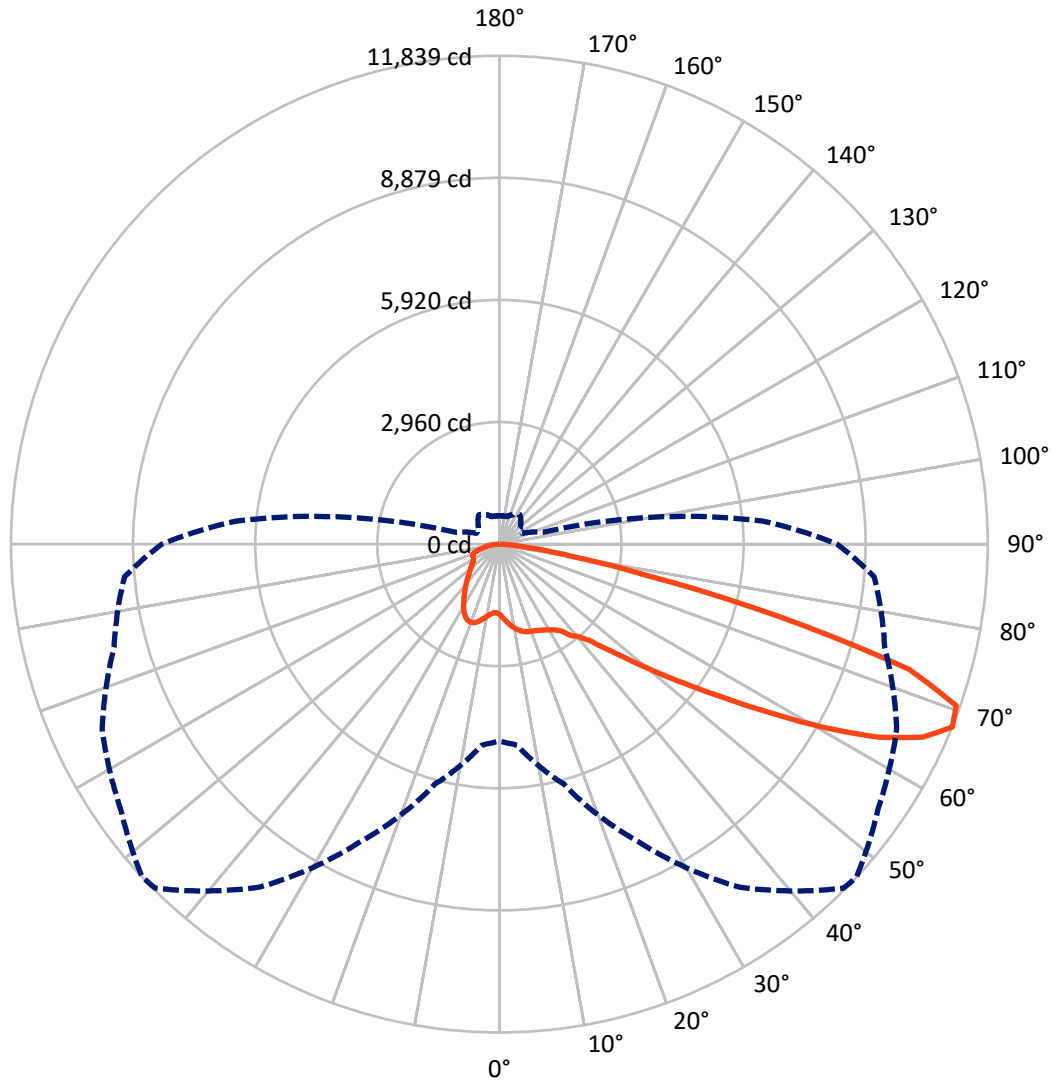
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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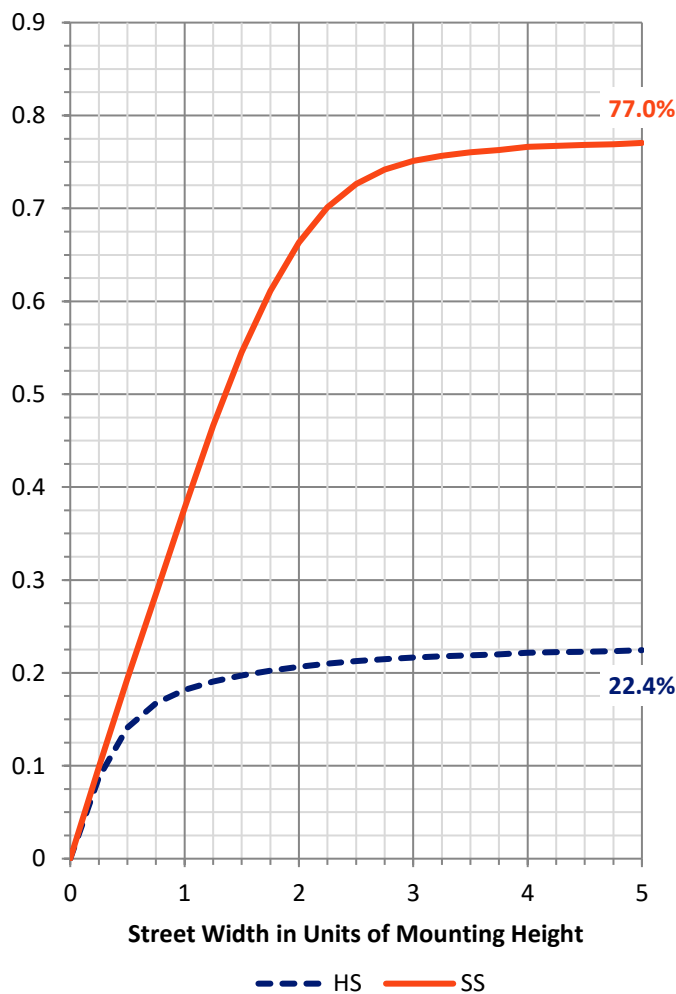
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3921.9	0.0	3921.9
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	13286.4	0.0	13286.4
	% Fixture	77.2	0.0	77.2
Total	Lumens	17208.3	0.0	17208.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.3	1.0
10°-20°	580.8	3.4
20°-30°	987.3	5.7
30°-40°	1446.3	8.4
40°-50°	2203.6	12.8
50°-60°	3942.7	22.9
60°-70°	5261.1	30.6
70°-80°	2379.2	13.8
80°-90°	233.1	1.4
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°	17208.3	100.0
0°-180°	17208.3	100.0

Coefficient of Utilization



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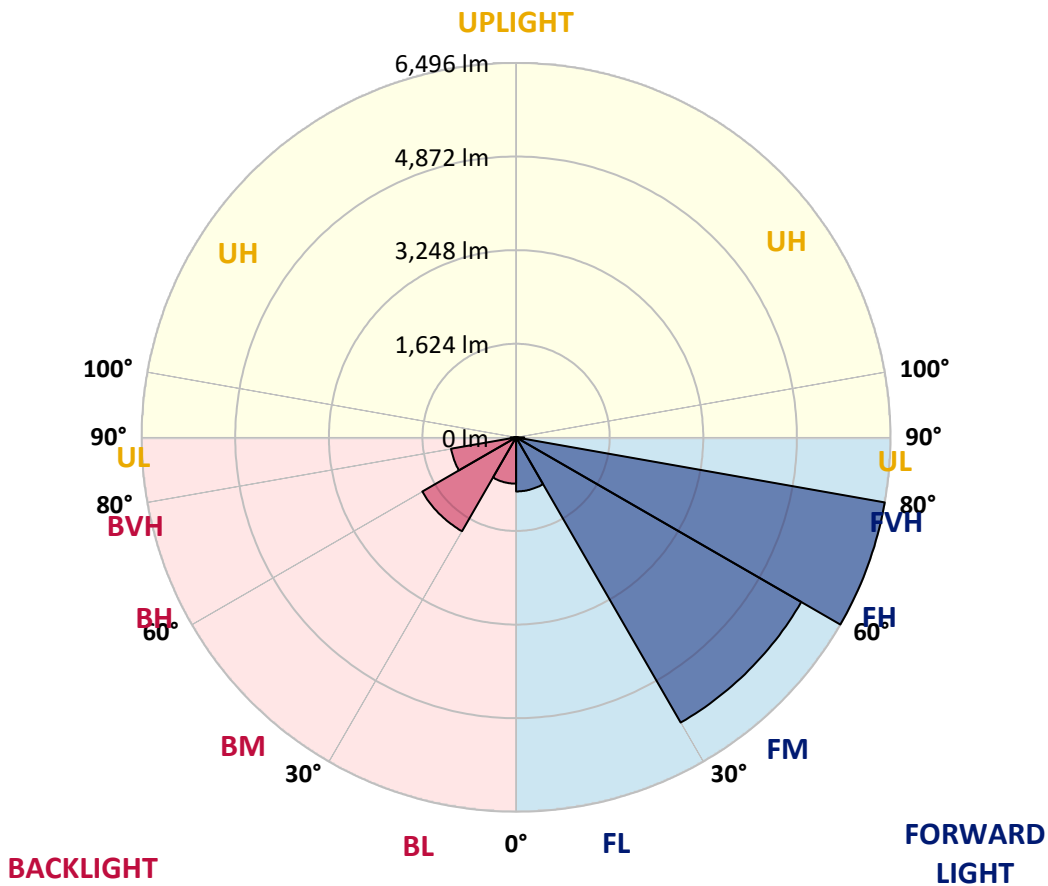
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	938.5	5.5			
FM (30°-60°)	5713.3	33.2			
FH (60°-80°)	6495.9	37.7			G3/7500
FVH (80°-90°)	138.7	0.8			G2/225
BL (0°-30°)	804.0	4.7	B2/1000		
BM (30°-60°)	1879.2	10.9	B2/2500		
BH (60°-80°)	1144.3	6.6	B3/2500		G3/2500
BVH (80°-90°)	94.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1705.9	1705.9	1705.9	1705.9	1705.9	1705.9	1705.9	1705.9	1705.9	1705.9	1705.9
2.5°	1819.1	1825.3	1824.1	1814.1	1807.9	1796.7	1798.0	1780.5	1754.4	1737.0	1717.1
5°	1979.6	1989.6	1977.1	1961.0	1936.1	1900.0	1896.3	1856.4	1806.7	1771.8	1735.7
7.5°	2119.0	2125.2	2110.3	2082.9	2046.8	1998.3	1989.6	1942.3	1880.1	1825.3	1773.1
10°	2227.2	2234.7	2214.8	2178.7	2131.4	2082.9	2076.7	2028.2	1962.2	1897.5	1831.6
12.5°	2319.3	2321.8	2300.6	2252.1	2201.1	2151.3	2145.1	2100.3	2039.4	1973.4	1901.2
15°	2372.8	2374.1	2347.9	2294.4	2245.9	2202.3	2198.6	2160.0	2104.1	2041.8	1964.7
17.5°	2369.1	2371.6	2352.9	2305.6	2263.3	2237.2	2233.5	2208.6	2165.0	2109.0	2031.9
20°	2323.0	2325.5	2313.1	2282.0	2259.6	2252.1	2253.4	2245.9	2219.8	2173.7	2095.3
22.5°	2287.0	2290.7	2279.5	2257.1	2254.6	2272.0	2275.8	2279.5	2267.1	2226.0	2150.1
25°	2304.4	2310.6	2293.2	2262.1	2267.1	2305.6	2313.1	2325.5	2315.6	2280.7	2214.8
27.5°	2425.1	2428.8	2384.0	2320.6	2305.6	2346.7	2357.9	2377.8	2370.3	2338.0	2287.0
30°	2705.0	2702.5	2606.7	2451.2	2389.0	2405.2	2413.9	2442.5	2445.0	2423.8	2375.3
32.5°	3099.5	3087.0	2939.0	2691.3	2510.9	2471.1	2481.1	2519.6	2548.3	2525.9	2459.9
35°	3516.3	3505.1	3342.1	3052.2	2736.1	2598.0	2586.8	2616.7	2660.2	2598.0	2503.5
37.5°	3913.2	3895.8	3729.1	3370.7	3013.6	2820.7	2804.6	2774.7	2748.6	2629.1	2557.0
40°	4353.7	4333.8	4188.2	3782.6	3319.7	2991.2	2950.2	2831.9	2808.3	2732.4	2696.3
42.5°	4824.0	4824.0	4703.3	4303.9	3689.2	3235.1	3181.6	3003.7	3028.5	2978.8	2936.5
45°	5294.3	5308.0	5212.2	4829.0	4183.2	3695.5	3609.6	3357.0	3416.8	3394.4	3373.2
47.5°	5695.0	5721.1	5702.5	5365.3	4787.9	4255.4	4124.7	3862.2	3990.4	4043.9	4103.6
50°	6126.8	6155.4	6136.7	6003.6	5495.9	4933.5	4816.5	4545.3	4765.5	4926.0	5121.4
52.5°	6767.6	6808.6	6653.1	6602.1	6355.7	5703.7	5599.2	5290.6	5690.0	5956.3	6391.8
55°	7308.8	7307.6	7252.8	7369.8	7278.9	6645.6	6529.9	6249.9	6760.1	7042.5	7679.6
57.5°	7560.2	7590.0	7777.9	8108.9	8290.5	7796.6	7685.8	7399.6	7908.5	8055.4	8743.4
60°	7689.6	7726.9	8090.2	8744.7	9233.7	9053.3	9009.7	8645.2	8931.3	8913.9	9640.6
62.5°	7507.9	7582.6	8166.1	9035.9	9906.8	10316.2	10302.5	9751.3	9801.1	9630.6	10196.8
65°	6674.2	6755.1	7670.9	8890.3	10291.3	11276.8	11280.5	10752.9	10469.2	9979.0	10103.4
67.5°	4773.0	4888.7	6021.0	7954.6	10155.7	11795.6	11839.2	11207.1	10626.0	9670.4	9122.9
70°	2601.8	2686.4	3573.5	5782.1	8933.8	11671.2	11752.1	10988.1	9934.2	8365.2	7022.6
72.5°	1182.1	1209.4	1662.3	3172.9	6103.1	10046.2	10384.6	9806.1	8158.6	6179.0	4465.7
75°	541.3	553.7	724.2	1518.0	3189.1	6722.8	6960.4	7303.8	5677.6	3902.0	2328.0
77.5°	339.7	343.4	411.9	694.3	1590.2	3355.8	3605.9	4348.7	3324.7	1931.1	973.0
80°	200.3	204.1	256.3	375.8	746.6	1535.4	1773.1	1719.6	1562.8	833.7	443.0
82.5°	100.8	104.5	148.1	214.0	406.9	610.9	719.2	722.9	582.3	451.7	250.1
85°	36.1	37.3	48.5	84.6	173.0	201.6	225.2	275.0	284.9	262.5	120.7
87.5°	0.0	0.0	1.2	2.5	5.0	19.9	21.2	39.8	83.4	93.3	48.5
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°	1705.9	1705.9	1705.9	1705.9	1705.9	1705.9	1705.9	1705.9	1705.9	1705.9	1705.9
2.5°	1710.9	1692.2	1686.0	1679.8	1669.8	1666.1	1658.6	1651.1	1651.1	1643.7	1639.9
5°	1719.6	1694.7	1678.5	1671.0	1664.8	1668.6	1668.6	1671.0	1679.8	1674.8	1677.3
7.5°	1750.7	1722.1	1699.7	1693.4	1693.4	1708.4	1718.3	1730.8	1746.9	1749.4	1749.4
10°	1805.4	1771.8	1748.2	1744.5	1750.7	1771.8	1786.8	1801.7	1821.6	1822.8	1825.3
12.5°	1865.2	1831.6	1807.9	1812.9	1819.1	1846.5	1862.7	1875.1	1895.0	1895.0	1893.8
15°	1927.4	1890.0	1870.1	1880.1	1898.7	1929.9	1932.3	1933.6	1943.5	1941.1	1939.8
17.5°	1992.1	1952.3	1937.3	1952.3	1972.2	1987.1	1974.6	1957.2	1953.5	1948.5	1946.0
20°	2055.5	2014.5	2008.2	2019.4	2025.7	2013.2	1974.6	1942.3	1927.4	1919.9	1917.4
22.5°	2110.3	2075.4	2071.7	2071.7	2040.6	1997.0	1939.8	1896.3	1876.4	1866.4	1863.9
25°	2175.0	2142.6	2136.4	2102.8	2023.2	1943.5	1866.4	1826.6	1810.4	1805.4	1806.7
27.5°	2250.9	2228.5	2208.6	2112.8	1973.4	1849.0	1761.9	1744.5	1738.2	1744.5	1748.2
30°	2344.2	2321.8	2277.0	2100.3	1893.8	1725.8	1642.4	1641.2	1659.8	1676.0	1678.5
32.5°	2420.1	2410.1	2336.7	2060.5	1781.8	1590.2	1519.2	1524.2	1557.8	1580.2	1583.9
35°	2479.8	2496.0	2386.5	1994.6	1648.7	1462.0	1406.0	1408.5	1427.2	1458.3	1459.5
37.5°	2564.4	2619.2	2431.3	1893.8	1495.6	1351.3	1300.3	1281.6	1279.1	1287.8	1290.3
40°	2734.9	2817.0	2463.6	1746.9	1347.5	1251.7	1194.5	1158.4	1127.3	1103.7	1096.2
42.5°	2992.5	3087.0	2482.3	1569.0	1215.6	1153.4	1088.7	1042.7	987.9	938.2	920.8
45°	3465.3	3496.4	2482.3	1379.9	1098.7	1061.4	996.7	941.9	872.2	813.7	801.3
47.5°	4221.8	4122.2	2484.8	1197.0	995.4	980.5	924.5	862.3	785.1	736.6	729.1
50°	5361.5	5011.9	2535.8	1045.2	909.6	912.0	871.0	802.6	732.9	696.8	690.6
52.5°	6653.1	6108.1	2672.7	933.2	837.4	856.1	833.7	767.7	705.5	674.4	668.2
55°	7867.5	7116.0	2789.6	853.6	776.4	808.8	807.5	746.6	690.6	659.5	655.7
57.5°	8900.2	7806.5	2772.2	788.9	724.2	765.2	783.9	732.9	680.6	654.5	650.8
60°	9542.3	8172.3	2524.6	729.1	684.3	734.1	770.2	729.1	685.6	679.4	680.6
62.5°	9821.0	8105.1	2049.3	684.3	658.2	719.2	785.1	755.3	731.6	746.6	755.3
65°	9388.0	7527.8	1508.0	650.8	633.3	722.9	820.0	796.3	731.6	741.6	745.3
67.5°	8186.0	6408.0	1090.0	617.2	602.2	734.1	869.7	790.1	689.3	689.3	681.9
70°	5899.1	4608.8	791.4	583.6	571.1	717.9	872.2	747.8	640.8	637.1	618.4
72.5°	3549.9	2718.7	617.2	546.2	523.8	637.1	817.5	698.0	593.5	562.4	540.0
75°	1844.0	1362.5	517.6	505.2	449.2	540.0	747.8	620.9	507.7	480.3	467.8
77.5°	790.1	637.1	444.2	450.4	373.3	454.2	603.5	537.5	450.4	415.6	404.4
80°	389.5	362.1	350.9	360.8	298.6	350.9	520.1	470.3	382.0	342.2	326.0
82.5°	222.7	211.5	252.6	256.3	212.8	293.6	439.2	398.2	316.0	272.5	246.4
85°	103.3	110.7	153.0	154.3	131.9	201.6	287.4	224.0	168.0	139.4	133.1
87.5°	41.1	48.5	67.2	65.9	38.6	37.3	24.9	13.7	11.2	10.0	8.7
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)