

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: P634074

Luminaire Tested: GWS-SA3B-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6416.3 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 68.3
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

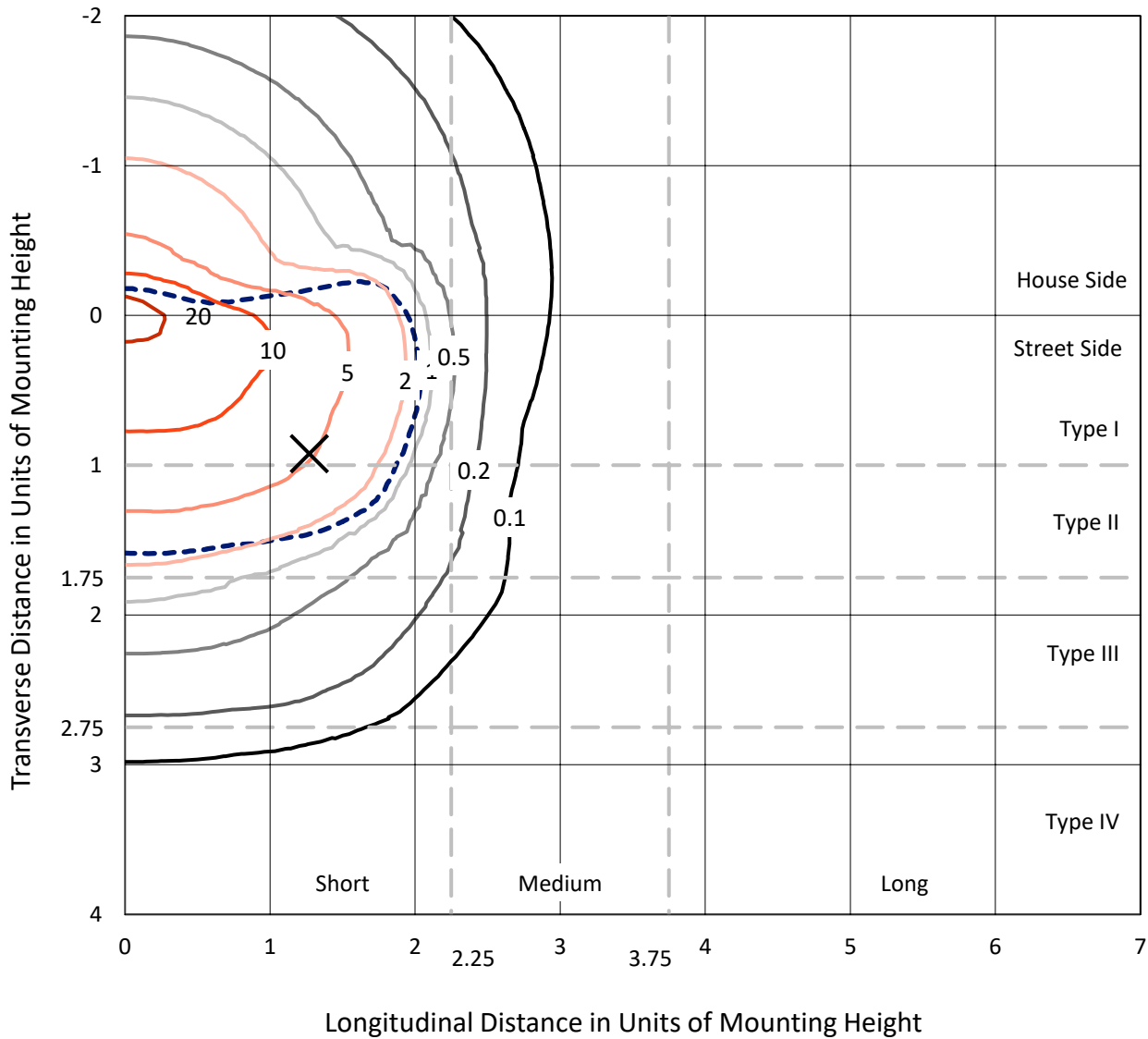


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Iso-Footcandle Lines of Horizontal Illumination

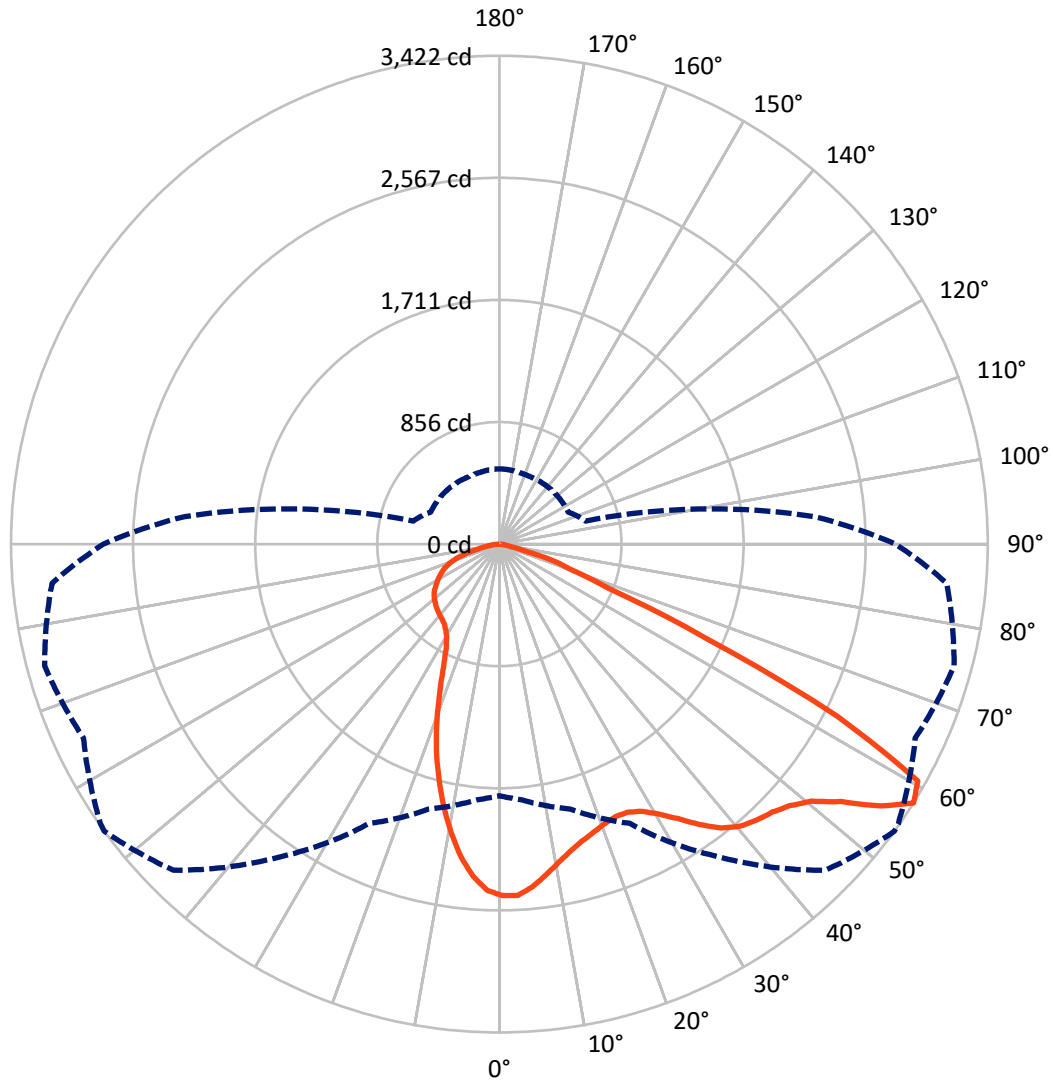
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.6 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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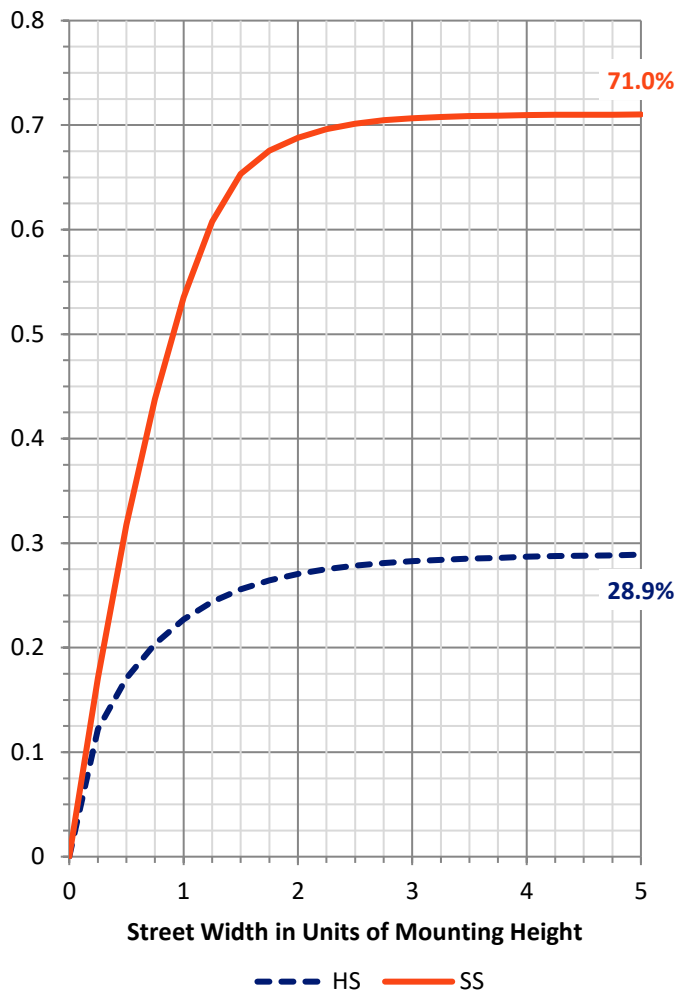
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1865.3	0.0	1865.3
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	4551.0	0.0	4551.0
	% Fixture	70.9	0.0	70.9
Total	Lumens	6416.3	0.0	6416.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.5	3.4
10°-20°	516.7	8.1
20°-30°	715.0	11.1
30°-40°	993.5	15.5
40°-50°	1312.1	20.4
50°-60°	1559.2	24.3
60°-70°	863.8	13.5
70°-80°	215.1	3.4
80°-90°	24.5	0.4
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°	6416.3	100.0
0°-180°	6416.3	100.0

Coefficient of Utilization



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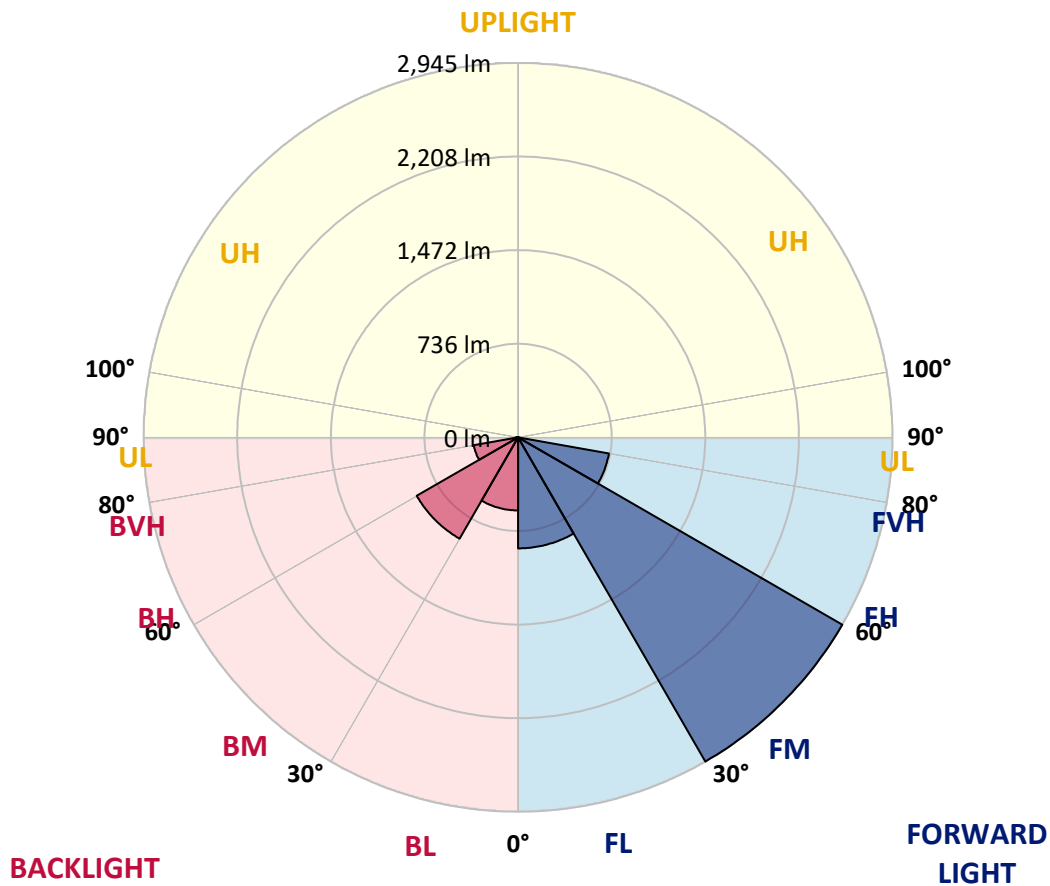
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	873.4	13.6			
FM (30°-60°)	2944.5	45.9			
FH (60°-80°)	725.4	11.3			G1/1800
FVH (80°-90°)	7.7	0.1			G0/10
BL (0°-30°)	574.8	9.0	B2/1000		
BM (30°-60°)	920.2	14.3	B1/1000		
BH (60°-80°)	353.5	5.5	B1/500		G1/500
BVH (80°-90°)	16.8	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°	54°	55°	65°	75°	85°
0°	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4
2.5°	2417.2	2422.2	2425.5	2437.0	2446.9	2455.7	2465.0	2465.0	2464.5	2462.8	2459.5
5°	2321.7	2327.2	2334.8	2350.8	2372.2	2387.6	2412.8	2415.0	2426.0	2430.4	2428.2
7.5°	2210.7	2212.4	2222.2	2243.1	2277.2	2304.6	2340.9	2345.3	2371.6	2387.0	2384.3
10°	2089.3	2083.8	2101.4	2132.2	2176.7	2222.8	2269.5	2273.3	2315.6	2344.7	2342.5
12.5°	1978.4	1978.9	1996.5	2033.9	2089.3	2146.4	2209.1	2217.9	2270.0	2307.4	2303.5
15°	1885.6	1887.8	1909.2	1951.5	2014.6	2082.7	2160.7	2169.0	2234.9	2284.3	2273.3
17.5°	1811.4	1813.6	1832.3	1880.6	1948.2	2030.6	2125.6	2133.8	2215.7	2274.4	2251.9
20°	1760.3	1759.2	1777.4	1823.5	1893.2	1982.8	2094.8	2106.9	2209.6	2278.3	2237.6
22.5°	1739.5	1738.9	1752.1	1790.0	1855.3	1946.0	2076.1	2092.6	2216.2	2295.3	2228.8
25°	1749.9	1747.7	1759.2	1787.2	1839.4	1931.7	2081.6	2099.2	2244.2	2330.4	2230.5
27.5°	1782.3	1779.6	1789.4	1814.7	1854.3	1946.5	2120.1	2140.4	2303.5	2394.7	2252.5
30°	1831.7	1830.1	1840.0	1864.1	1898.7	1996.0	2193.7	2216.8	2395.3	2494.7	2300.2
32.5°	1889.4	1886.7	1904.2	1932.2	1972.3	2086.0	2292.5	2322.8	2504.0	2623.2	2380.4
35°	1954.2	1952.0	1976.2	2016.8	2074.5	2211.3	2412.3	2445.2	2615.0	2768.7	2487.0
37.5°	2017.4	2017.4	2064.1	2124.5	2197.0	2347.5	2524.9	2545.8	2691.8	2897.8	2601.2
40°	2073.4	2076.7	2147.0	2237.6	2329.9	2470.5	2599.0	2616.6	2725.9	2986.8	2700.6
42.5°	2135.5	2138.2	2220.0	2338.7	2448.5	2569.9	2644.1	2652.9	2732.5	3031.3	2770.9
45°	2184.9	2188.7	2290.4	2417.2	2551.8	2644.6	2679.8	2687.5	2741.8	3055.4	2822.0
47.5°	2210.7	2216.2	2332.6	2480.4	2621.5	2711.6	2738.5	2741.8	2780.3	3097.7	2883.5
50°	2206.3	2217.3	2348.6	2511.7	2673.2	2779.2	2833.0	2838.5	2858.8	3159.8	2955.5
52.5°	2245.3	2250.3	2382.6	2549.0	2746.8	2903.9	2997.2	3004.9	2995.6	3206.5	2998.3
55°	2180.5	2204.1	2340.3	2543.6	2858.8	3096.6	3240.5	3236.7	3119.7	3258.7	3069.7
57.5°	1763.6	1798.2	1922.9	2159.1	2674.3	3231.8	3422.3	3413.0	3215.8	3298.8	3147.2
60°	1221.0	1226.5	1339.1	1506.6	2064.1	2855.0	3369.1	3389.4	3233.4	3248.2	3003.8
62.5°	976.6	974.9	985.3	989.7	1312.7	2006.9	2659.4	2733.6	2686.4	2530.9	2128.9
65°	833.8	839.8	870.6	854.6	856.8	1130.3	1589.0	1599.4	1566.4	1510.4	1126.0
67.5°	652.5	662.9	717.3	779.4	759.6	727.7	824.4	819.5	645.9	499.8	413.0
70°	408.6	415.2	473.4	611.9	661.3	597.6	530.0	527.8	346.0	284.5	312.0
72.5°	238.4	239.5	255.9	341.1	438.8	408.6	390.0	375.7	222.4	226.8	248.8
75°	131.3	131.3	130.7	147.2	173.0	153.2	148.3	144.5	148.8	168.6	185.1
77.5°	27.5	28.0	29.7	39.0	50.5	61.5	77.4	78.0	97.2	112.6	125.8
80°	12.6	13.2	16.5	20.9	26.9	35.7	47.2	47.8	58.8	70.9	79.6
82.5°	6.6	7.1	8.8	11.0	14.3	18.7	26.4	26.4	35.2	41.7	47.2
85°	2.2	2.2	3.3	4.4	6.0	7.7	10.4	10.4	15.4	20.3	23.6
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	2.2	2.2	2.7	3.3	5.5
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°	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4	2463.4
2.5°	2452.4	2435.4	2435.9	2439.2	2428.8	2412.8	2402.4	2389.2	2381.0	2379.3	2385.4
5°	2417.2	2397.5	2383.7	2369.4	2339.8	2304.6	2277.2	2254.7	2239.8	2234.3	2227.7
7.5°	2368.9	2343.1	2308.5	2268.4	2214.6	2151.9	2108.0	2066.8	2038.2	2030.0	2026.2
10°	2320.6	2283.2	2221.7	2147.0	2057.5	1972.9	1893.2	1832.3	1783.9	1756.5	1765.3
12.5°	2270.6	2224.4	2128.3	2013.5	1888.9	1761.4	1657.1	1556.0	1478.0	1439.0	1427.5
15°	2226.6	2164.0	2030.0	1874.6	1708.7	1548.3	1397.3	1245.7	1146.8	1093.0	1078.2
17.5°	2189.3	2108.0	1926.2	1732.9	1534.6	1306.1	1120.5	979.9	912.3	882.6	880.4
20°	2152.5	2053.1	1823.5	1580.2	1333.6	1077.6	911.7	845.8	821.7	811.2	810.7
22.5°	2119.5	1995.4	1715.3	1427.5	1133.6	905.7	814.5	786.0	779.4	779.4	778.3
25°	2091.5	1937.7	1604.3	1265.5	952.9	806.3	764.0	751.9	754.7	759.6	760.2
27.5°	2080.0	1892.7	1497.2	1099.0	828.3	748.6	729.4	727.7	735.4	743.1	744.2
30°	2092.1	1861.9	1387.4	939.8	753.6	713.5	704.7	708.0	717.3	725.0	725.0
32.5°	2129.4	1846.6	1275.3	823.3	710.2	688.8	686.0	689.3	696.4	700.8	701.4
35°	2192.6	1852.6	1159.5	744.8	682.2	670.6	670.1	672.3	675.0	677.8	678.3
37.5°	2272.2	1879.5	1035.3	699.2	664.0	657.4	656.3	655.8	656.3	656.3	656.9
40°	2350.2	1920.2	924.4	672.3	651.4	645.9	643.2	639.3	638.8	637.7	637.1
42.5°	2407.9	1951.5	836.0	653.1	639.9	633.3	630.0	623.9	623.4	622.8	622.3
45°	2451.3	1977.8	762.4	634.4	627.8	621.7	614.6	609.1	610.2	611.3	611.3
47.5°	2500.2	2000.9	708.5	616.8	613.0	606.9	598.1	594.3	598.1	602.0	602.0
50°	2559.5	2033.3	664.6	599.2	597.6	590.4	582.7	581.1	585.5	591.0	591.0
52.5°	2602.9	2061.3	633.3	581.7	581.7	572.3	565.7	565.2	570.1	575.6	576.2
55°	2684.2	2126.7	622.3	561.3	559.1	552.0	547.0	543.2	549.2	554.2	554.2
57.5°	2775.9	2213.5	625.0	532.2	529.5	527.3	523.4	519.0	520.7	526.2	526.7
60°	2581.5	2045.4	594.8	503.1	501.5	500.4	495.4	487.7	489.9	494.3	494.9
62.5°	1803.2	1359.4	481.1	466.9	472.4	471.8	465.2	456.4	457.0	463.0	463.0
65°	935.9	735.4	422.4	433.9	442.1	438.8	427.9	420.2	419.1	426.8	425.1
67.5°	403.7	401.5	384.5	399.3	408.1	400.9	389.4	376.8	377.9	380.6	378.4
70°	325.2	335.0	342.2	358.1	365.2	352.1	339.4	332.3	326.3	325.7	321.9
72.5°	259.8	273.5	289.5	305.9	308.1	294.9	279.0	272.4	263.1	262.5	258.7
75°	195.5	207.1	219.7	232.9	232.9	220.2	209.8	206.5	195.5	192.2	188.9
77.5°	133.5	140.6	150.5	153.8	157.1	152.1	141.7	136.2	123.6	120.3	115.9
80°	84.0	89.0	95.0	97.2	100.5	94.5	86.2	80.2	71.4	68.7	66.5
82.5°	50.5	53.8	57.7	58.8	61.5	57.1	49.4	45.0	40.1	37.9	36.3
85°	25.8	27.5	29.7	30.2	29.7	25.3	22.5	20.3	17.0	16.5	15.4
87.5°	6.6	7.7	8.2	7.7	7.1	5.5	3.8	2.7	1.1	1.1	0.5
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)