

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: P632371

Luminaire Tested: GWS-SA2C-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632371
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-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9276.3 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

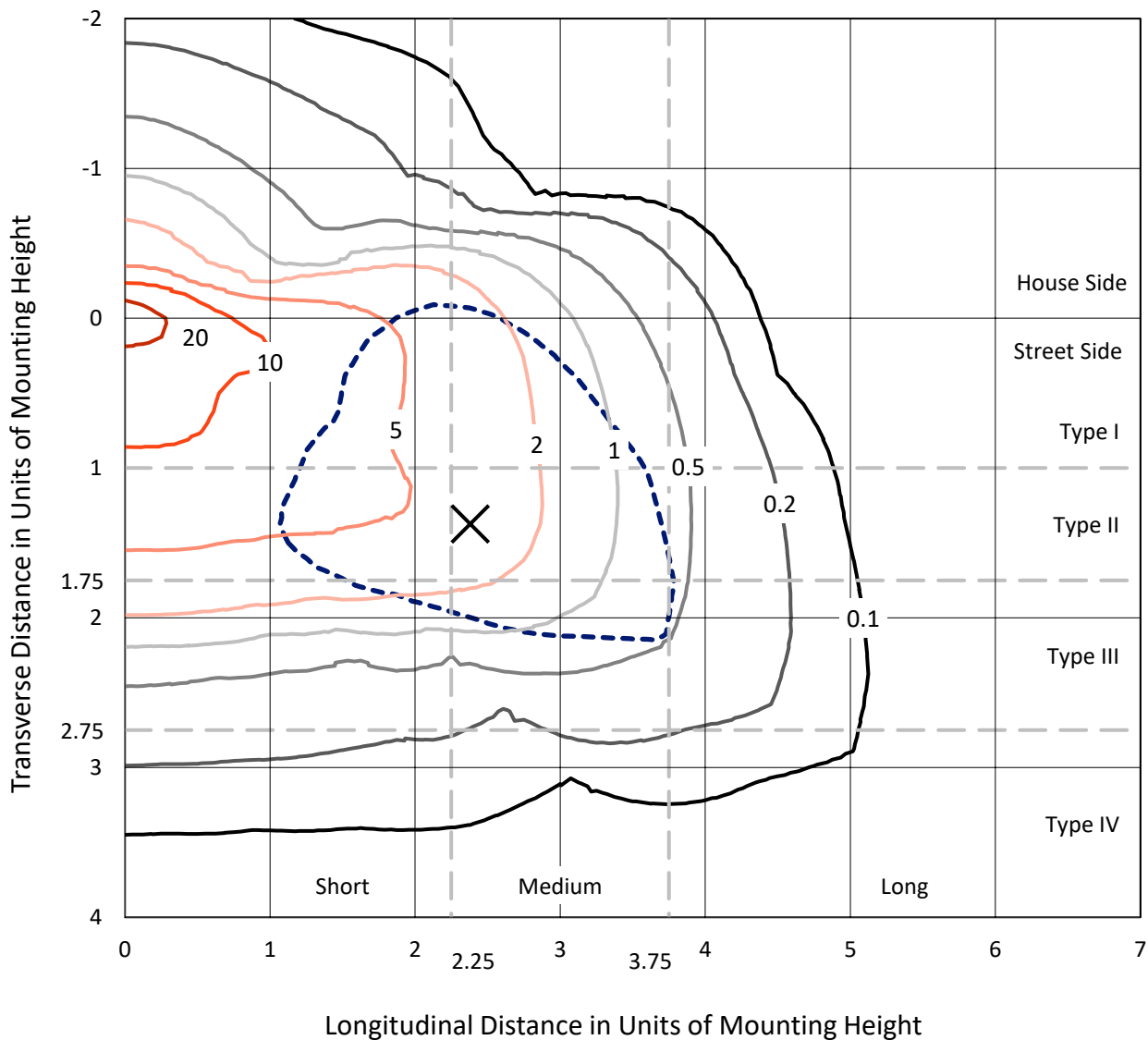
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

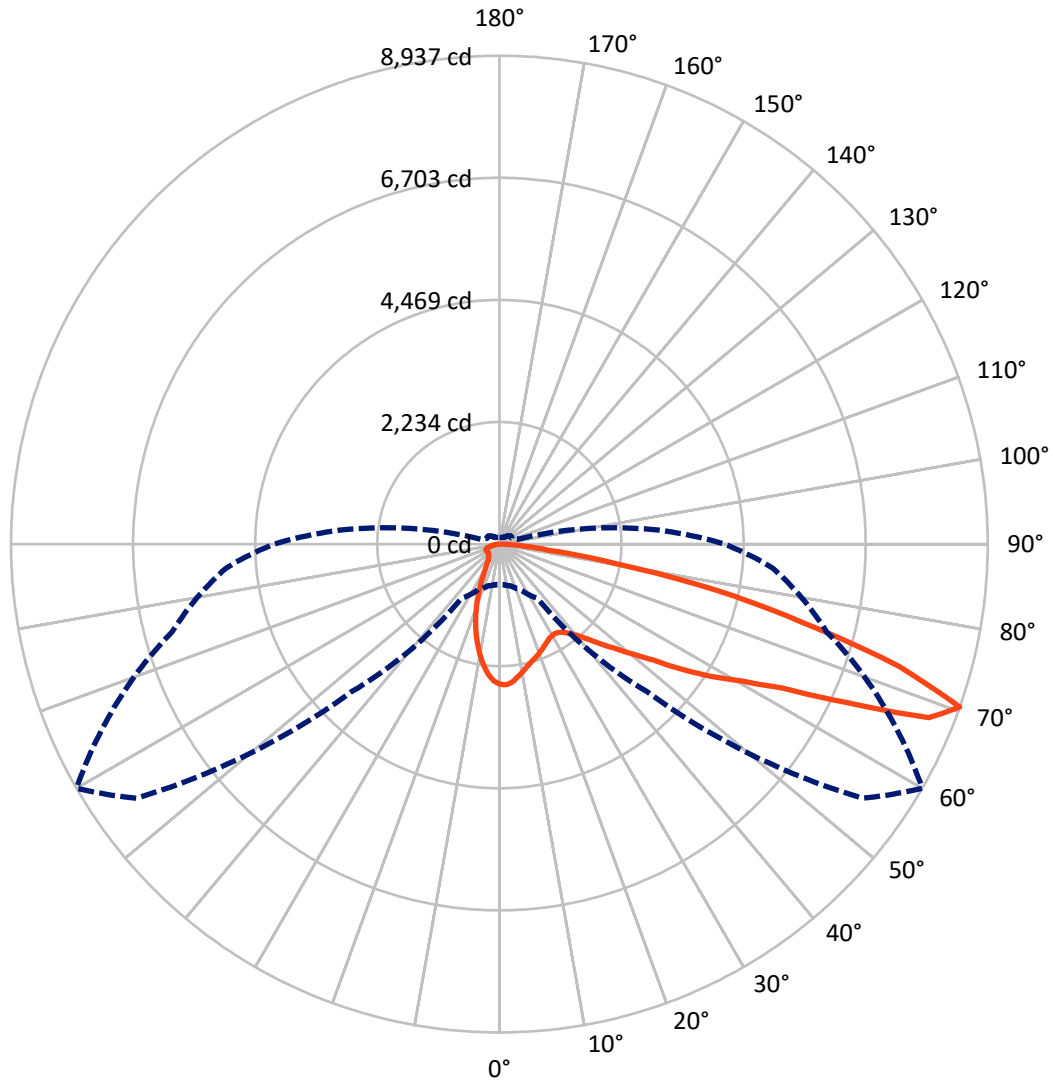
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.7 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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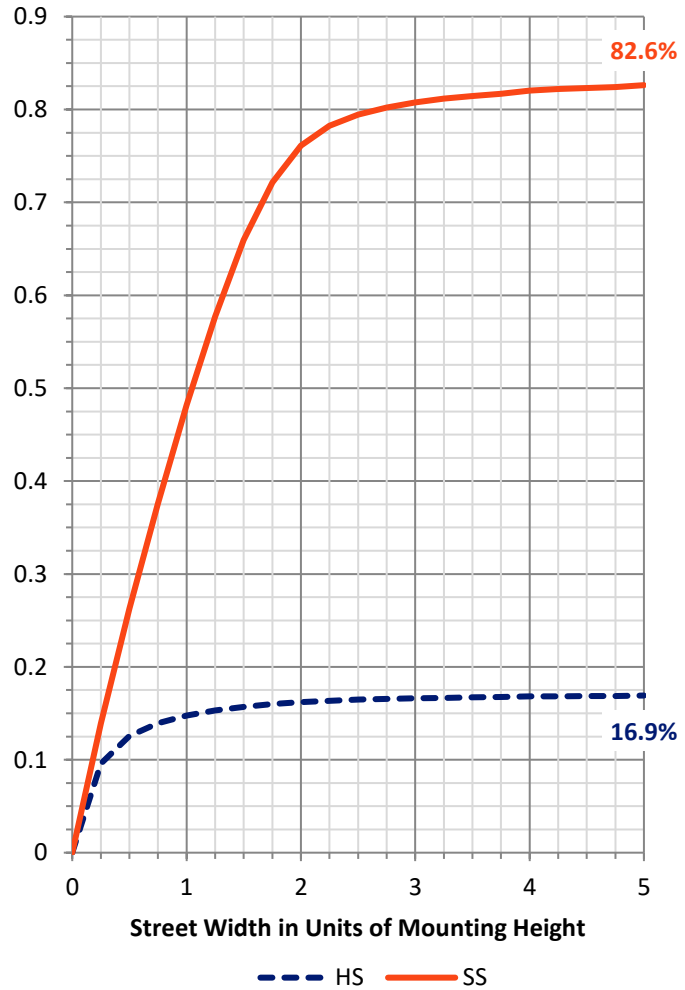
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1586.5	0.0	1586.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	7689.8	0.0	7689.8
	% Fixture	82.9	0.0	82.9
Total	Lumens	9276.3	0.0	9276.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.3	2.4
10°-20°	495.7	5.3
20°-30°	634.8	6.8
30°-40°	834.3	9.0
40°-50°	1210.4	13.0
50°-60°	1888.5	20.4
60°-70°	2472.4	26.7
70°-80°	1367.2	14.7
80°-90°	151.7	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°	9276.3	100.0
0°-180°	9276.3	100.0

Coefficient of Utilization



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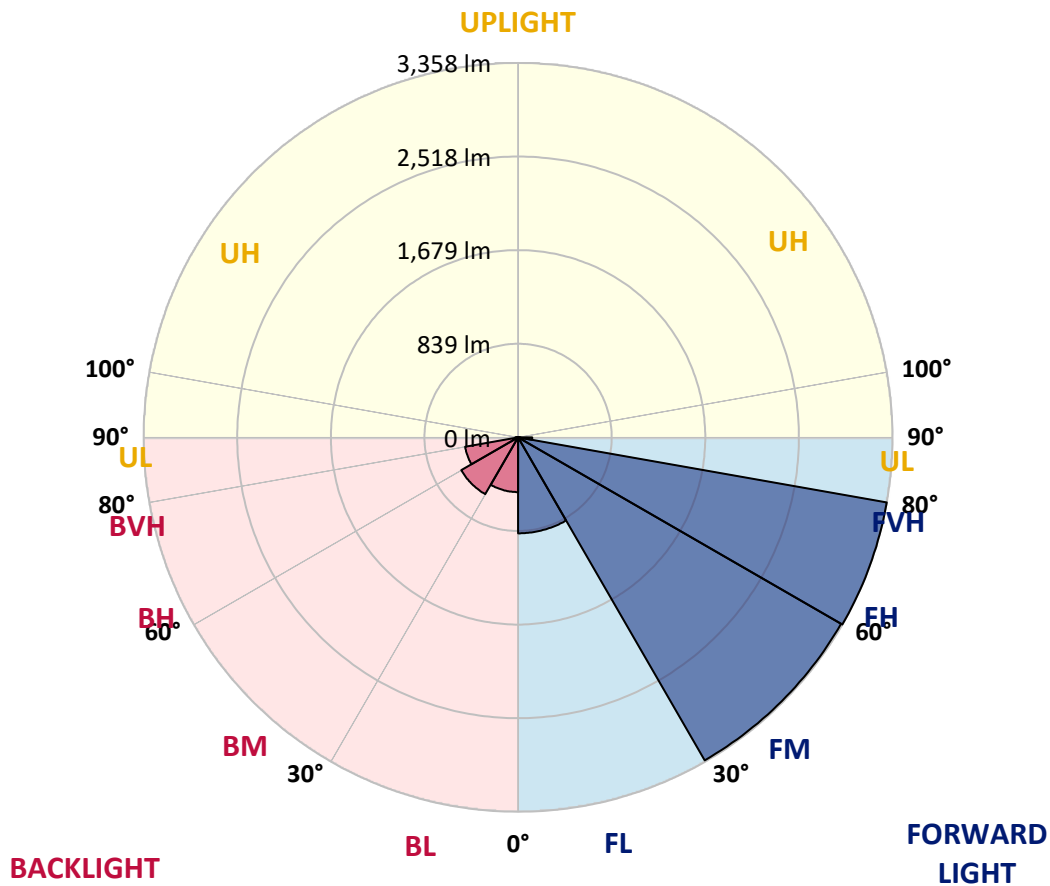
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	860.9	9.3			
FM (30°-60°)	3345.0	36.1			
FH (60°-80°)	3357.5	36.2			G2/5000
FVH (80°-90°)	126.4	1.4			G2/225
BL (0°-30°)	490.8	5.3	B1/500		
BM (30°-60°)	588.2	6.3	B1/1000		
BH (60°-80°)	482.1	5.2	B1/500		G1/500
BVH (80°-90°)	25.3	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°	2566.9	2566.9	2566.9	2566.9	2566.9	2566.9	2566.9	2566.9	2566.9	2566.9	2566.9
2.5°	2530.9	2533.6	2541.1	2551.9	2562.8	2568.2	2581.8	2577.7	2575.0	2569.6	2562.8
5°	2418.9	2424.3	2431.1	2452.2	2475.9	2494.9	2525.5	2528.9	2530.2	2532.9	2522.1
7.5°	2276.4	2277.7	2294.0	2321.9	2353.1	2385.7	2436.6	2450.8	2463.0	2476.6	2467.8
10°	2118.9	2122.3	2134.5	2174.6	2228.2	2276.4	2344.9	2368.7	2394.5	2424.3	2412.1
12.5°	1990.0	1990.6	2010.3	2053.1	2111.5	2176.6	2262.1	2290.6	2324.6	2371.4	2360.5
15°	1887.5	1887.5	1905.8	1942.5	2009.7	2086.3	2188.2	2224.8	2271.0	2334.1	2315.1
17.5°	1806.0	1806.7	1818.3	1856.9	1916.7	2001.5	2122.3	2171.9	2222.8	2306.2	2277.7
20°	1763.3	1759.9	1761.9	1785.7	1836.6	1918.7	2056.5	2114.2	2182.7	2287.2	2243.8
22.5°	1761.2	1755.1	1746.3	1748.4	1778.2	1846.1	1985.9	2055.8	2142.0	2271.6	2209.2
25°	1795.9	1789.1	1773.5	1755.8	1753.1	1793.8	1919.4	1998.8	2099.9	2264.8	2175.9
27.5°	1854.2	1849.5	1829.1	1802.6	1774.8	1773.5	1869.2	1952.0	2069.4	2271.6	2152.2
30°	1931.6	1923.5	1910.6	1876.6	1834.5	1791.1	1849.5	1926.9	2049.0	2293.4	2142.0
32.5°	2019.2	2014.4	2002.2	1968.3	1923.5	1854.2	1865.1	1932.3	2049.0	2331.4	2144.0
35°	2112.1	2111.5	2111.5	2089.1	2039.5	1953.3	1926.9	1978.4	2080.2	2392.4	2165.8
37.5°	2202.4	2201.7	2223.4	2231.6	2175.3	2082.3	2032.1	2070.7	2148.8	2482.7	2219.4
40°	2275.7	2278.4	2325.9	2366.7	2335.4	2249.2	2178.7	2198.3	2260.1	2611.0	2313.0
42.5°	2349.7	2357.2	2428.4	2500.4	2512.6	2437.9	2366.7	2378.2	2419.6	2780.7	2452.8
45°	2430.5	2433.8	2533.6	2634.1	2693.1	2649.0	2590.6	2606.2	2615.7	2990.4	2661.2
47.5°	2508.5	2517.3	2646.3	2784.1	2896.0	2892.0	2859.4	2854.6	2856.7	3245.6	2907.6
50°	2615.1	2628.0	2779.3	2945.6	3109.8	3185.2	3194.7	3158.7	3143.8	3529.3	3214.4
52.5°	2817.3	2817.3	2953.1	3116.6	3337.2	3523.9	3587.6	3528.6	3481.1	3829.3	3540.1
55°	3070.5	3081.3	3189.2	3321.6	3601.2	3880.2	4096.0	4030.8	3896.5	4155.7	3881.5
57.5°	3183.1	3196.7	3367.7	3573.4	3946.7	4285.4	4584.7	4561.6	4365.4	4495.1	4235.8
60°	2979.5	3008.0	3243.5	3588.3	4259.6	4939.0	5150.0	5082.8	4802.5	4851.4	4620.0
62.5°	2485.4	2516.6	2778.0	3259.2	4216.1	5645.5	6041.2	5793.4	5348.2	5301.4	5131.7
65°	1483.0	1481.6	1795.9	2433.8	3680.6	5841.6	7451.5	6989.3	6191.2	5919.0	5658.4
67.5°	942.7	940.7	1006.5	1289.5	2449.5	5361.1	8358.3	8478.4	7336.2	6373.1	5701.8
70°	743.9	743.2	790.7	919.6	1211.5	3815.0	8105.8	8937.2	8027.8	6200.0	5020.4
72.5°	542.3	543.6	616.9	770.3	934.6	1915.3	6563.8	7647.0	7383.7	5473.1	4075.6
75°	389.6	391.6	435.7	589.8	862.0	1047.2	4364.8	5750.0	5617.7	4387.2	2803.7
77.5°	247.7	250.4	289.1	413.3	696.4	845.7	2646.3	4059.4	3737.6	2471.9	997.0
80°	151.4	160.2	192.8	308.1	556.5	634.6	1322.8	2138.6	1871.9	678.0	335.3
82.5°	78.1	84.8	116.1	190.7	383.5	557.2	748.6	898.6	579.6	283.7	178.5
85°	24.4	28.5	40.7	77.4	182.6	345.5	495.5	446.6	266.1	133.7	82.8
87.5°	6.1	6.1	6.8	6.8	7.5	15.6	95.7	101.1	70.6	42.1	33.9
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°	2566.9	2566.9	2566.9	2566.9	2566.9	2566.9	2566.9	2566.9	2566.9	2566.9	2566.9
2.5°	2549.2	2532.9	2526.1	2525.5	2508.5	2484.1	2467.8	2456.2	2449.5	2448.1	2448.1
5°	2503.8	2482.7	2454.9	2433.8	2388.4	2342.2	2303.5	2281.8	2256.7	2253.3	2252.6
7.5°	2443.3	2412.8	2359.9	2300.8	2221.4	2144.7	2079.6	2035.4	1991.3	1983.2	1980.5
10°	2378.2	2336.8	2246.5	2142.7	2023.9	1909.2	1809.4	1731.4	1679.8	1643.2	1636.4
12.5°	2313.7	2258.7	2126.4	1971.6	1808.8	1652.0	1502.0	1374.4	1282.1	1228.5	1219.0
15°	2253.3	2176.6	1995.4	1797.9	1586.1	1371.7	1159.2	993.6	864.0	817.8	807.0
17.5°	2198.3	2102.6	1868.5	1618.0	1354.0	1073.7	832.1	684.8	608.8	585.7	580.3
20°	2143.4	2026.6	1739.5	1428.7	1107.7	793.4	608.1	538.9	510.4	501.6	498.9
22.5°	2084.3	1943.1	1599.0	1242.0	858.6	593.9	497.5	467.0	458.1	458.8	458.1
25°	2025.3	1858.3	1451.8	1039.1	639.3	481.9	434.4	422.8	424.9	431.0	432.3
27.5°	1976.4	1783.0	1307.2	816.5	499.5	414.7	392.3	391.6	399.1	407.2	408.6
30°	1941.1	1715.8	1164.7	627.8	411.3	368.5	359.7	363.8	372.6	378.7	380.8
32.5°	1916.0	1658.1	1012.6	493.4	360.4	336.0	331.9	336.0	341.4	347.5	348.9
35°	1907.2	1616.0	863.3	402.5	325.8	312.2	309.5	311.5	314.2	317.6	319.0
37.5°	1926.9	1595.0	707.2	350.2	304.7	296.6	292.5	291.2	291.8	293.2	293.9
40°	1985.2	1604.5	579.6	319.7	291.2	283.7	276.9	274.2	273.5	274.9	274.2
42.5°	2085.7	1644.5	487.3	302.0	280.3	269.4	262.0	259.3	259.3	262.7	262.7
45°	2232.9	1723.2	420.8	289.1	270.8	257.2	249.1	247.7	250.4	255.9	256.6
47.5°	2448.8	1838.6	380.8	279.6	262.0	246.4	238.2	237.5	243.0	251.8	252.5
50°	2704.6	2004.9	359.0	272.8	255.9	237.5	229.4	230.1	236.2	245.7	247.7
52.5°	3012.8	2231.6	360.4	270.1	252.5	232.1	224.0	222.6	228.7	238.2	240.3
55°	3331.1	2507.1	386.9	270.8	247.7	229.4	218.5	213.8	219.2	226.0	226.7
57.5°	3681.3	2818.0	452.7	269.4	241.6	226.7	213.8	202.9	206.3	210.4	212.4
60°	4076.3	3183.8	594.5	272.2	238.9	220.6	204.3	190.0	189.4	192.1	192.8
62.5°	4604.4	3681.3	754.0	276.9	245.0	213.1	190.0	175.1	172.4	173.7	174.4
65°	5008.2	3918.9	703.8	272.8	257.9	207.7	176.5	160.9	155.4	154.1	154.1
67.5°	4843.9	3604.6	490.0	262.0	264.0	208.4	165.6	145.9	139.1	135.7	135.1
70°	4121.8	2927.9	340.7	251.1	257.2	207.0	154.1	133.7	124.9	120.1	119.5
72.5°	3256.4	2235.7	275.6	229.4	233.5	186.6	137.1	120.1	112.7	106.6	106.6
75°	2095.8	1364.2	230.1	204.3	190.7	145.2	118.8	107.2	99.8	93.7	93.7
77.5°	705.2	506.3	178.5	173.1	142.5	109.3	99.8	92.3	86.2	80.8	80.1
80°	286.4	240.3	131.0	131.0	99.8	83.5	78.1	74.7	70.6	63.8	63.8
82.5°	166.3	145.9	91.6	79.4	66.5	57.7	54.3	50.9	50.9	46.2	46.2
85°	80.1	80.8	55.0	48.9	38.0	33.3	31.9	29.9	29.2	26.5	25.8
87.5°	43.4	44.1	27.8	21.7	14.9	12.9	10.9	10.2	9.5	8.8	8.8
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)