

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: P631430

Luminaire Tested: GWS-SA1F-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-760-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7239.5 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

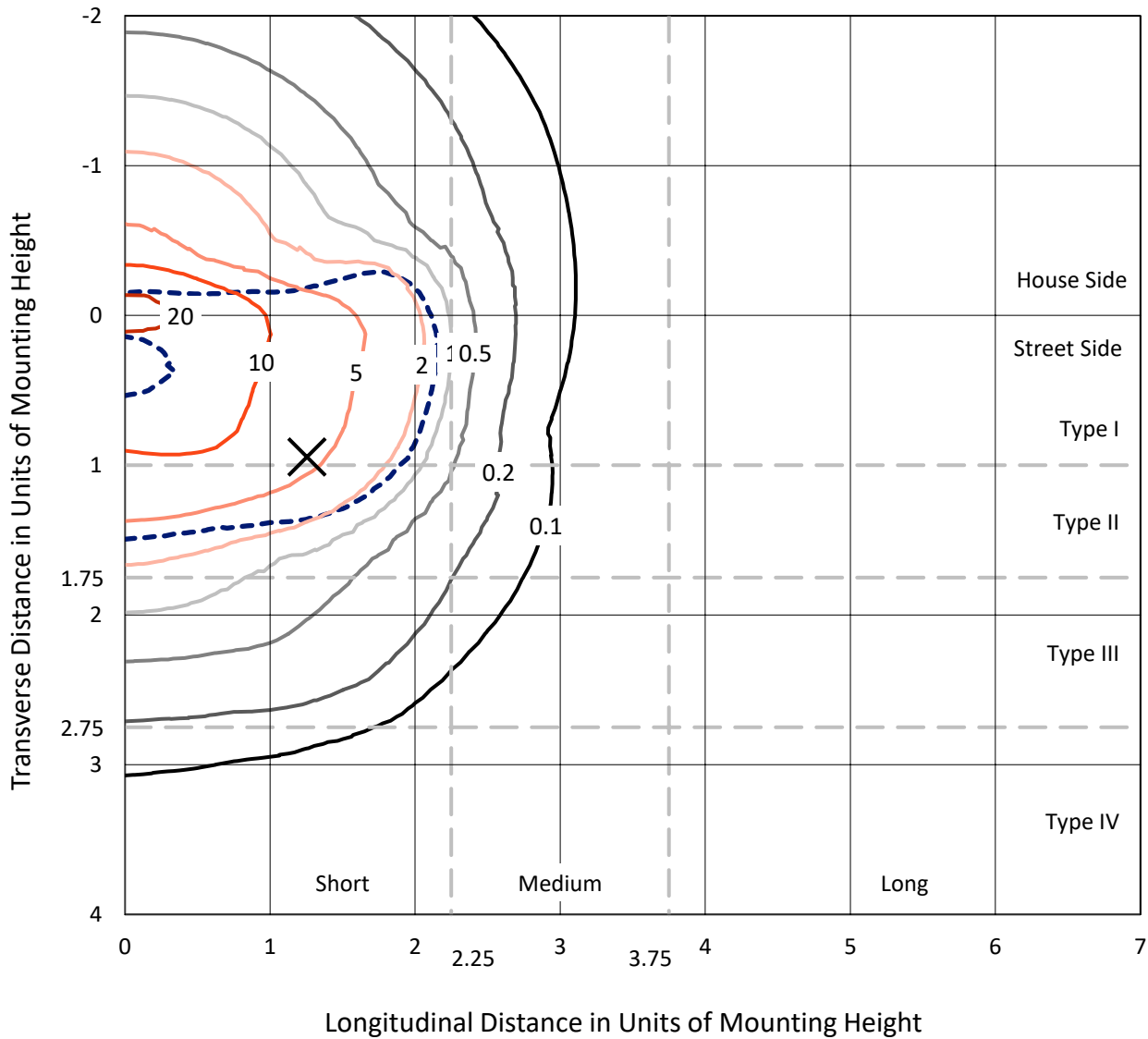
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

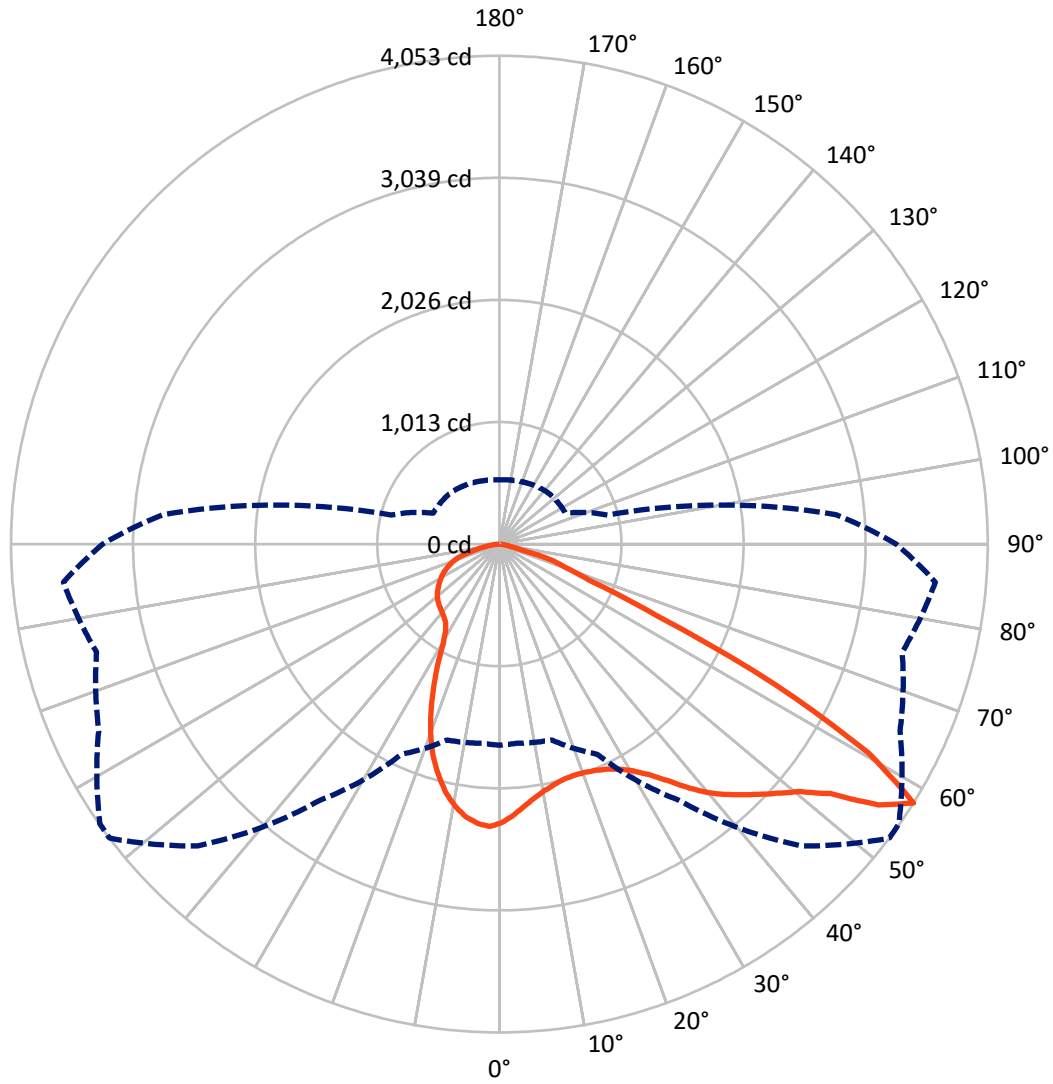
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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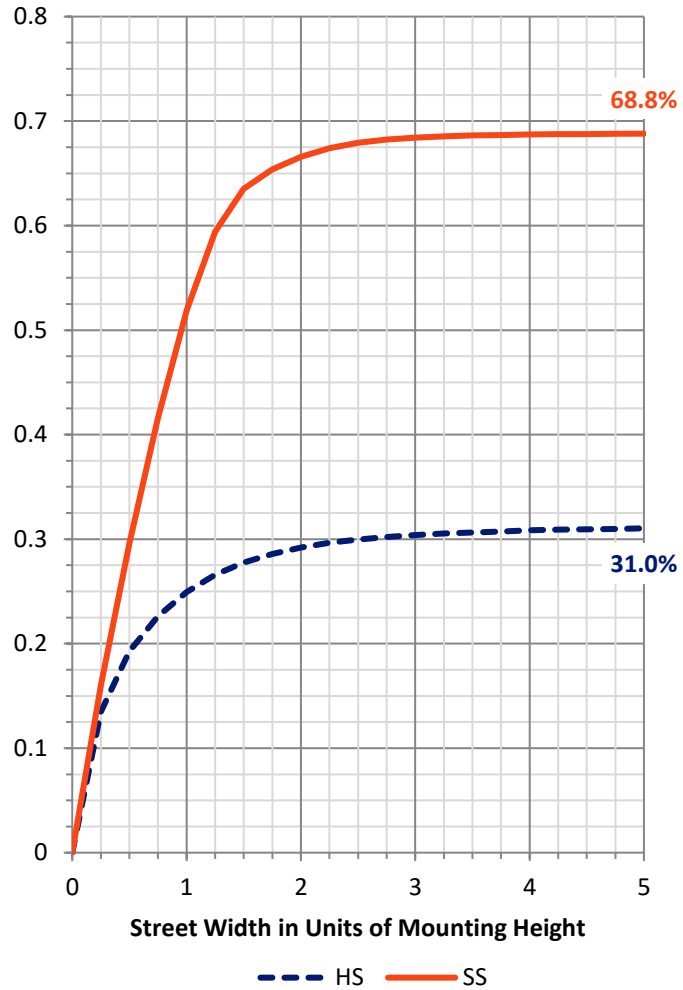
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2263.5	0.0	2263.5
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	4976.0	0.0	4976.0
	% Fixture	68.7	0.0	68.7
Total	Lumens	7239.5	0.0	7239.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.1	2.9
10°-20°	548.5	7.6
20°-30°	808.1	11.2
30°-40°	1131.1	15.6
40°-50°	1486.9	20.5
50°-60°	1743.4	24.1
60°-70°	1027.1	14.2
70°-80°	255.5	3.5
80°-90°	30.0	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°	7239.5	100.0
0°-180°	7239.5	100.0

Coefficient of Utilization



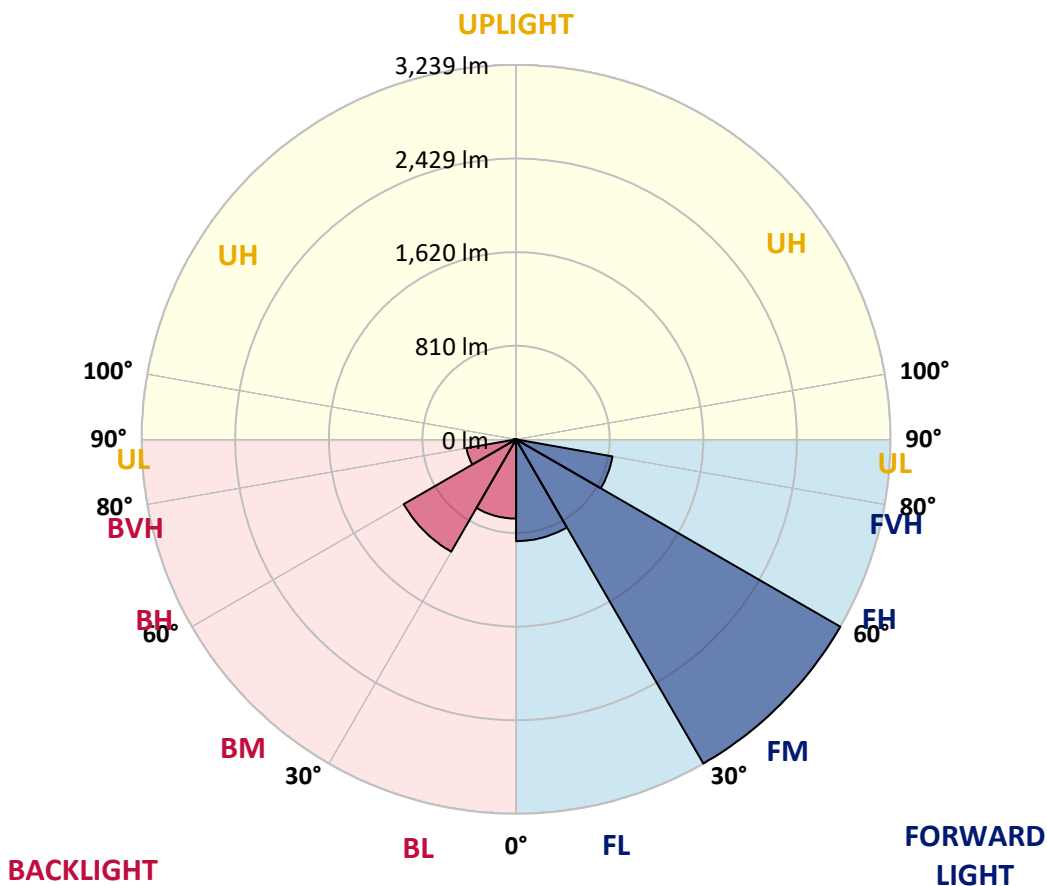
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	880.2	12.2			
FM (30°-60°)	3239.0	44.7			
FH (60°-80°)	846.7	11.7			G1/1800
FVH (80°-90°)	10.0	0.1			G1/100
BL (0°-30°)	685.4	9.5	B2/1000		
BM (30°-60°)	1122.4	15.5	B2/2500		
BH (60°-80°)	435.8	6.0	B1/500		G1/500
BVH (80°-90°)	19.9	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°	53°	55°	65°	75°	85°
0°	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8
2.5°	2178.9	2185.0	2186.2	2205.1	2206.4	2233.8	2252.1	2248.4	2267.3	2290.4	2308.7
5°	2074.7	2075.4	2081.4	2104.0	2116.2	2152.1	2182.6	2182.6	2219.2	2266.7	2307.5
7.5°	1988.8	1988.2	1993.7	2018.7	2038.8	2082.1	2123.5	2128.4	2179.5	2249.0	2315.4
10°	1909.0	1913.3	1919.4	1949.8	1975.4	2029.0	2078.4	2086.3	2150.9	2236.8	2326.4
12.5°	1857.8	1858.4	1867.6	1901.7	1934.6	1991.9	2043.7	2053.4	2127.8	2225.2	2334.3
15°	1824.9	1825.5	1835.3	1873.1	1911.4	1969.3	2022.3	2033.3	2114.3	2223.4	2349.5
17.5°	1810.3	1809.7	1818.8	1856.6	1898.6	1959.0	2015.6	2029.0	2120.4	2237.4	2376.4
20°	1810.3	1810.9	1815.8	1849.9	1892.6	1956.5	2022.3	2038.8	2144.2	2269.1	2417.8
22.5°	1835.9	1838.3	1840.8	1863.9	1897.4	1960.2	2040.0	2061.9	2195.4	2322.1	2472.0
25°	1885.9	1886.5	1888.9	1907.8	1923.0	1970.5	2069.3	2102.2	2275.2	2399.5	2540.3
27.5°	1952.9	1961.4	1963.8	1976.0	1976.0	1996.1	2115.0	2162.5	2383.1	2511.0	2627.4
30°	2046.7	2049.8	2054.0	2067.4	2052.8	2044.3	2182.0	2242.9	2508.0	2645.7	2732.2
32.5°	2129.0	2135.7	2158.8	2180.8	2154.6	2127.8	2280.7	2352.6	2628.0	2785.8	2843.7
35°	2199.0	2215.5	2260.0	2308.7	2290.4	2263.6	2411.7	2486.6	2726.7	2886.4	2942.4
37.5°	2283.7	2296.5	2357.5	2436.7	2453.1	2440.3	2571.3	2625.0	2792.5	2912.0	2996.0
40°	2369.7	2389.2	2467.8	2577.4	2640.2	2649.3	2718.8	2754.7	2815.1	2862.0	2985.7
42.5°	2457.4	2490.9	2598.8	2726.7	2838.2	2858.9	2843.1	2858.3	2807.8	2793.1	2937.5
45°	2564.6	2604.2	2726.1	2889.4	3036.3	3068.5	2965.0	2950.9	2806.5	2766.9	2907.7
47.5°	2691.4	2731.0	2847.4	3037.5	3225.1	3248.9	3089.9	3064.3	2849.2	2807.1	2947.9
50°	2803.5	2830.9	2935.1	3147.8	3401.2	3415.3	3227.6	3196.5	2955.2	2918.7	3073.4
52.5°	2689.5	2686.5	2796.2	3058.2	3492.6	3661.4	3439.6	3409.8	3159.9	3103.9	3267.8
55°	2281.9	2247.2	2345.3	2603.0	3237.3	3880.2	3819.8	3760.1	3432.9	3290.3	3450.0
57.5°	1668.3	1658.6	1682.3	1924.2	2593.3	3541.4	4052.6	4047.1	3668.7	3460.9	3631.6
60°	1304.6	1289.9	1226.6	1233.3	1767.6	2766.3	3517.0	3678.5	3815.0	3563.3	3758.3
62.5°	1158.3	1147.4	1114.5	1023.7	1052.9	1854.8	2578.0	2726.1	3333.6	3147.1	3228.2
65°	959.1	956.0	983.4	979.8	882.3	1024.3	1455.1	1604.3	2096.1	2122.3	2096.1
67.5°	697.1	691.6	761.0	898.1	849.4	773.2	811.0	862.8	1074.8	965.2	868.9
70°	453.3	445.4	485.6	648.9	760.4	673.9	584.3	575.8	591.0	367.4	397.3
72.5°	304.1	294.9	294.3	357.1	459.4	453.9	452.7	448.5	400.3	290.0	321.7
75°	169.4	162.1	160.3	154.2	164.5	167.6	178.5	184.6	199.9	220.0	243.7
77.5°	28.6	28.0	35.3	45.1	62.2	79.8	98.7	104.2	128.6	152.3	167.6
80°	15.8	16.5	21.3	26.2	34.7	47.5	60.9	64.6	79.2	92.0	104.2
82.5°	8.5	8.5	11.0	14.0	18.9	25.0	32.9	36.0	45.7	53.6	62.2
85°	3.0	3.0	4.3	5.5	7.9	10.4	12.8	14.6	20.1	27.4	31.1
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.4	2.4	3.0	5.5	7.9
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°	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8
2.5°	2324.0	2307.5	2330.0	2340.4	2344.1	2346.5	2330.7	2319.7	2316.0	2304.5	2297.8
5°	2332.5	2321.5	2342.8	2342.8	2327.6	2311.8	2279.5	2256.9	2241.1	2222.2	2219.2
7.5°	2347.1	2339.2	2350.8	2327.0	2288.6	2246.0	2189.9	2146.0	2110.7	2087.5	2088.1
10°	2366.6	2356.9	2347.7	2294.7	2224.6	2146.0	2060.1	1996.1	1937.6	1910.8	1896.2
12.5°	2379.4	2365.4	2327.0	2239.3	2136.3	2030.9	1909.6	1814.6	1729.9	1691.5	1688.4
15°	2395.2	2369.7	2292.9	2167.4	2024.2	1880.4	1724.4	1592.2	1477.6	1417.9	1414.8
17.5°	2416.0	2373.9	2252.1	2085.1	1906.0	1693.9	1497.7	1331.4	1209.5	1163.2	1171.1
20°	2445.2	2378.8	2205.7	1993.7	1759.1	1481.9	1237.5	1084.6	1037.7	1034.6	1028.5
22.5°	2478.1	2381.8	2154.6	1891.3	1581.2	1255.8	1022.4	957.2	956.6	971.9	975.5
25°	2515.3	2384.3	2096.7	1771.9	1388.6	1030.4	904.2	884.7	900.0	928.6	932.3
27.5°	2562.8	2389.2	2026.6	1640.9	1183.9	890.2	839.0	834.2	852.4	879.3	878.0
30°	2632.9	2406.8	1952.3	1490.4	973.7	823.8	799.4	800.0	807.4	820.1	822.0
32.5°	2704.2	2434.2	1879.8	1321.0	853.1	786.0	775.1	773.8	773.8	779.3	780.5
35°	2771.8	2465.3	1801.2	1144.3	794.6	764.1	756.8	753.1	751.3	750.1	748.2
37.5°	2809.6	2480.6	1724.4	970.0	763.5	749.5	742.2	737.3	730.6	725.7	724.5
40°	2793.1	2462.9	1635.4	839.6	744.6	735.5	726.9	720.2	711.1	706.8	704.4
42.5°	2738.3	2408.0	1538.5	778.1	729.4	720.2	709.9	698.9	692.8	689.1	688.5
45°	2680.4	2341.6	1421.5	742.2	714.7	703.8	691.6	679.4	672.7	670.9	670.3
47.5°	2678.6	2308.7	1297.2	713.5	697.1	686.1	670.9	658.7	651.4	648.9	646.5
50°	2759.0	2342.2	1157.1	688.5	678.8	667.2	650.1	636.7	627.6	624.6	623.9
52.5°	2926.0	2468.4	1031.6	663.6	654.4	641.0	627.0	613.6	602.6	597.1	596.5
55°	3106.3	2628.6	953.6	638.0	625.8	614.2	601.4	586.8	574.6	566.1	564.8
57.5°	3292.8	2803.5	929.8	605.7	596.5	588.6	573.4	557.5	543.5	535.6	533.8
60°	3446.3	2954.0	974.3	571.5	566.7	556.3	542.3	527.1	517.3	511.2	510.0
62.5°	2885.1	2405.0	786.6	534.4	534.4	523.4	507.6	496.6	489.9	485.6	484.4
65°	1831.0	1489.2	536.8	497.2	496.6	482.0	468.6	461.3	458.2	451.5	450.3
67.5°	797.6	680.6	458.8	459.4	457.0	441.1	427.7	422.3	416.2	408.9	408.2
70°	413.7	421.7	410.7	417.4	413.1	394.2	381.4	372.9	360.1	352.8	353.4
72.5°	333.9	342.4	354.6	365.0	355.8	340.6	320.5	310.1	293.7	285.8	286.4
75°	254.7	263.8	275.4	286.4	279.1	260.2	247.4	237.0	218.1	209.0	210.8
77.5°	175.5	180.4	194.4	193.8	191.3	185.8	167.0	154.8	135.3	124.3	125.5
80°	109.1	112.1	118.8	121.9	120.6	113.3	98.1	89.0	77.4	70.7	71.3
82.5°	65.8	67.6	73.7	74.3	73.7	68.2	56.7	50.0	42.7	39.0	39.0
85°	33.5	34.7	38.4	38.4	34.7	29.2	26.2	23.2	18.9	17.1	17.1
87.5°	9.1	9.1	11.6	9.7	7.9	7.3	3.7	3.0	1.2	0.6	0.6
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)