

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: P634571

Luminaire Tested: GWS-SA3C-722-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634571  
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-SA3C-722-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

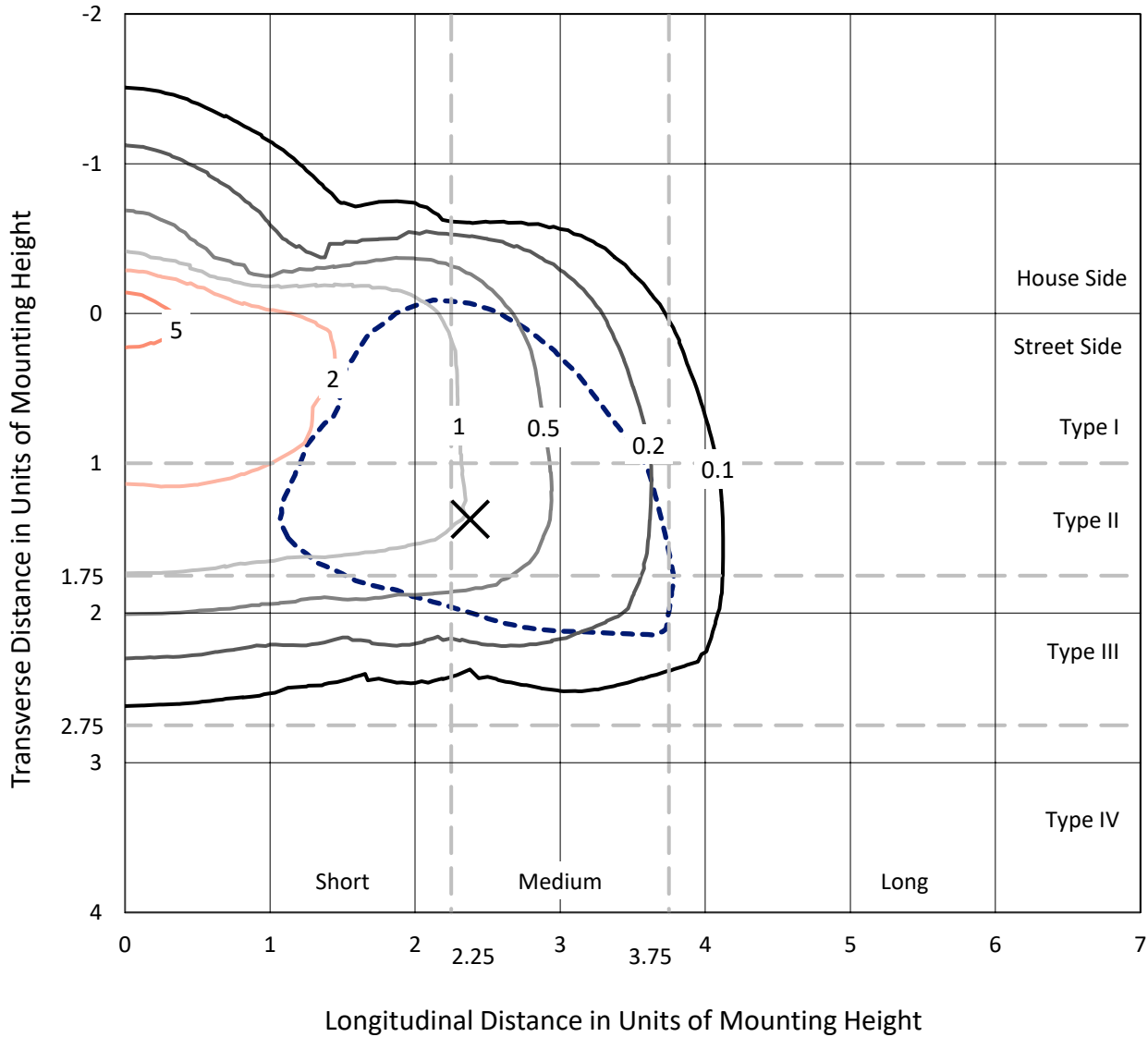
Lumens per Lamp: N/A  
Luminaire Lumens: 10067.8 lumens  
Efficiency: N/A  
Efficacy: 108.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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

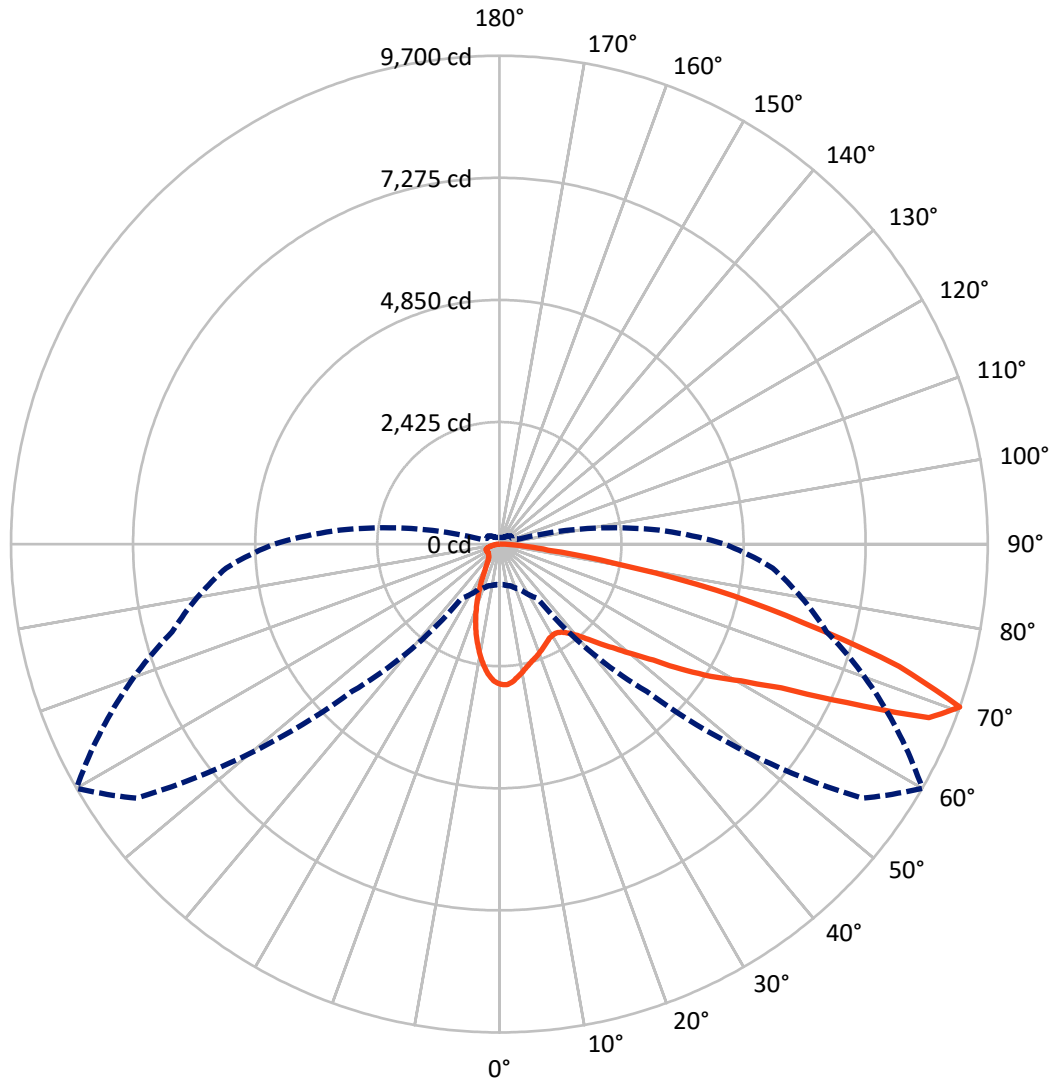
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 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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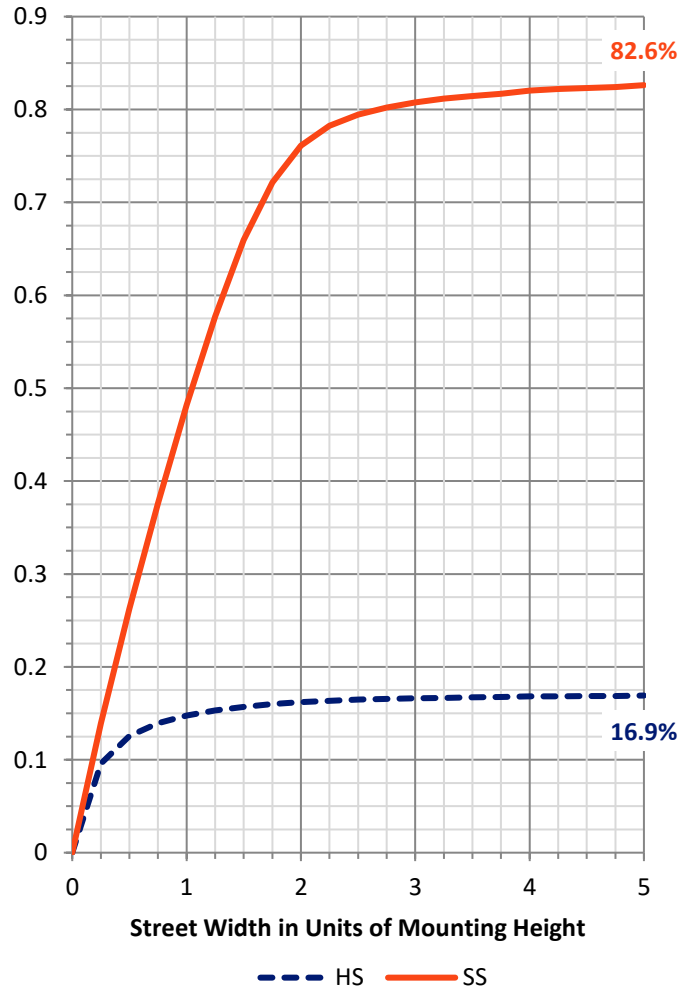
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1721.8	0.0	1721.8
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	8346.0	0.0	8346.0
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	10067.8	0.0	10067.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.1	2.4
10°-20°	538.0	5.3
20°-30°	689.0	6.8
30°-40°	905.5	9.0
40°-50°	1313.7	13.0
50°-60°	2049.7	20.4
60°-70°	2683.4	26.7
70°-80°	1483.8	14.7
80°-90°	164.7	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°	10067.8	100.0
0°-180°	10067.8	100.0

**Coefficient of Utilization**



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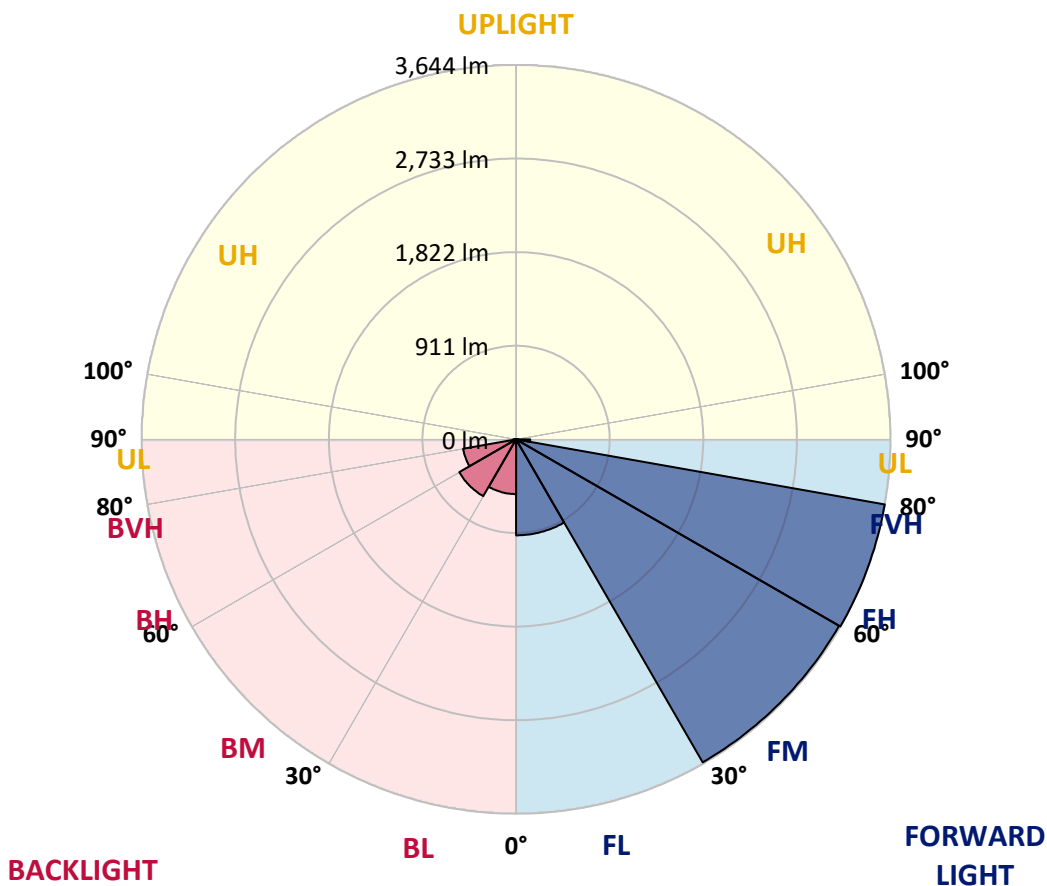
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	934.4	9.3			
FM (30°-60°)	3630.4	36.1			
FH (60°-80°)	3644.0	36.2			G2/5000
FVH (80°-90°)	137.2	1.4			G2/225
BL (0°-30°)	532.7	5.3	B2/1000		
BM (30°-60°)	638.4	6.3	B1/1000		
BH (60°-80°)	523.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	27.5	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-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2785.9	2785.9	2785.9	2785.9	2785.9	2785.9	2785.9	2785.9	2785.9	2785.9	2785.9
2.5°	2746.8	2749.8	2757.9	2769.7	2781.5	2787.4	2802.1	2797.7	2794.7	2788.8	2781.5
5°	2625.3	2631.2	2638.6	2661.4	2687.2	2707.8	2741.0	2744.6	2746.1	2749.1	2737.3
7.5°	2470.6	2472.1	2489.8	2520.0	2553.9	2589.2	2644.5	2659.9	2673.2	2687.9	2678.3
10°	2299.7	2303.4	2316.7	2360.1	2418.3	2470.6	2545.0	2570.8	2598.8	2631.2	2617.9
12.5°	2159.8	2160.5	2181.9	2228.3	2291.6	2362.3	2455.1	2486.1	2522.9	2573.7	2562.0
15°	2048.5	2048.5	2068.4	2108.2	2181.1	2264.4	2374.9	2414.6	2464.7	2533.2	2512.6
17.5°	1960.1	1960.9	1973.4	2015.4	2080.2	2172.3	2303.4	2357.2	2412.4	2503.0	2472.1
20°	1913.7	1910.1	1912.3	1938.0	1993.3	2082.4	2232.0	2294.6	2369.0	2482.4	2435.3
22.5°	1911.5	1904.9	1895.3	1897.5	1929.9	2003.6	2155.3	2231.2	2324.8	2465.5	2397.7
25°	1949.1	1941.7	1924.8	1905.6	1902.7	1946.9	2083.2	2169.3	2279.1	2458.1	2361.6
27.5°	2012.4	2007.3	1985.2	1956.5	1926.3	1924.8	2028.6	2118.5	2245.9	2465.5	2335.8
30°	2096.4	2087.6	2073.6	2036.7	1991.1	1943.9	2007.3	2091.3	2223.9	2489.0	2324.8
32.5°	2191.4	2186.3	2173.0	2136.2	2087.6	2012.4	2024.2	2097.2	2223.9	2530.3	2327.0
35°	2292.4	2291.6	2291.6	2267.3	2213.5	2120.0	2091.3	2147.2	2257.7	2596.6	2350.5
37.5°	2390.3	2389.6	2413.2	2422.0	2360.9	2259.9	2205.4	2247.4	2332.1	2694.5	2408.7
40°	2469.9	2472.8	2524.4	2568.6	2534.7	2441.2	2364.5	2385.9	2452.9	2833.8	2510.4
42.5°	2550.2	2558.3	2635.6	2713.7	2727.0	2645.9	2568.6	2581.1	2626.0	3017.9	2662.1
45°	2637.8	2641.5	2749.8	2858.8	2922.9	2875.0	2811.7	2828.6	2838.9	3245.5	2888.3
47.5°	2722.5	2732.1	2872.1	3021.6	3143.2	3138.7	3103.4	3098.2	3100.4	3522.5	3155.7
50°	2838.2	2852.2	3016.5	3196.9	3375.2	3456.9	3467.3	3428.2	3412.0	3830.4	3488.6
52.5°	3057.7	3057.7	3205.0	3382.6	3622.0	3824.5	3893.8	3829.7	3778.1	4156.0	3842.2
55°	3332.5	3344.2	3461.4	3605.0	3908.5	4211.2	4445.5	4374.8	4228.9	4510.3	4212.7
57.5°	3454.7	3469.5	3655.1	3878.3	4283.4	4651.0	4975.9	4950.8	4737.9	4878.6	4597.2
60°	3233.8	3264.7	3520.3	3894.5	4623.0	5360.4	5589.5	5516.5	5212.3	5265.3	5014.2
62.5°	2697.5	2731.4	3015.0	3537.2	4575.9	6127.2	6556.6	6287.8	5804.6	5753.7	5569.6
65°	1609.5	1608.0	1949.1	2641.5	3994.7	6340.1	8087.3	7585.7	6719.4	6424.0	6141.2
67.5°	1023.2	1021.0	1092.4	1399.6	2658.5	5818.5	9071.5	9201.8	7962.1	6916.8	6188.3
70°	807.3	806.6	858.2	998.1	1314.9	4140.5	8797.4	9699.8	8712.7	6729.0	5448.8
72.5°	588.6	590.0	669.6	836.1	1014.3	2078.7	7123.8	8299.5	8013.7	5940.1	4423.4
75°	422.8	425.0	472.9	640.1	935.5	1136.6	4737.2	6240.6	6097.0	4761.5	3043.0
77.5°	268.9	271.8	313.8	448.6	755.8	917.8	2872.1	4405.7	4056.6	2682.8	1082.1
80°	164.3	173.8	209.2	334.4	604.0	688.7	1435.7	2321.1	2031.6	735.9	363.9
82.5°	84.7	92.1	126.0	207.0	416.2	604.8	812.5	975.3	629.1	307.9	193.7
85°	26.5	30.9	44.2	84.0	198.2	374.9	537.7	484.7	288.8	145.1	89.9
87.5°	6.6	6.6	7.4	7.4	8.1	16.9	103.9	109.8	76.6	45.7	36.8
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°	2785.9	2785.9	2785.9	2785.9	2785.9	2785.9	2785.9	2785.9	2785.9	2785.9	2785.9
2.5°	2766.7	2749.1	2741.7	2741.0	2722.5	2696.0	2678.3	2665.8	2658.5	2657.0	2657.0
5°	2717.4	2694.5	2664.3	2641.5	2592.2	2542.1	2500.1	2476.5	2449.3	2445.6	2444.8
7.5°	2651.8	2618.7	2561.2	2497.1	2411.0	2327.7	2257.0	2209.1	2161.2	2152.4	2149.5
10°	2581.1	2536.2	2438.2	2325.5	2196.6	2072.1	1963.8	1879.1	1823.1	1783.4	1776.0
12.5°	2511.1	2451.5	2307.8	2139.9	1963.1	1792.9	1630.1	1491.7	1391.5	1333.3	1323.0
15°	2445.6	2362.3	2165.7	1951.3	1721.5	1488.7	1258.1	1078.4	937.7	887.6	875.8
17.5°	2385.9	2282.0	2027.9	1756.1	1469.6	1165.3	903.1	743.2	660.7	635.7	629.8
20°	2326.2	2199.5	1888.0	1550.6	1202.2	861.1	660.0	584.9	553.9	544.4	541.4
22.5°	2262.2	2108.9	1735.5	1348.0	931.8	644.5	539.9	506.8	497.2	498.0	497.2
25°	2198.1	2016.9	1575.6	1127.8	693.9	523.0	471.4	458.9	461.1	467.8	469.2
27.5°	2145.0	1935.1	1418.7	886.2	542.2	450.1	425.8	425.0	433.1	442.0	443.4
30°	2106.7	1862.2	1264.0	681.4	446.4	400.0	390.4	394.8	404.4	411.0	413.2
32.5°	2079.5	1799.6	1099.0	535.5	391.1	364.6	360.2	364.6	370.5	377.1	378.6
35°	2069.9	1753.9	937.0	436.8	353.6	338.8	335.9	338.1	341.1	344.7	346.2
37.5°	2091.3	1731.1	767.6	380.1	330.7	321.9	317.5	316.0	316.7	318.2	319.0
40°	2154.6	1741.4	629.1	346.9	316.0	307.9	300.5	297.6	296.9	298.3	297.6
42.5°	2263.6	1784.8	528.9	327.8	304.2	292.4	284.3	281.4	281.4	285.1	285.1
45°	2423.5	1870.3	456.7	313.8	293.9	279.2	270.3	268.9	271.8	277.7	278.4
47.5°	2657.7	1995.5	413.2	303.5	284.3	267.4	258.6	257.8	263.7	273.3	274.0
50°	2935.4	2176.0	389.7	296.1	277.7	257.8	249.0	249.7	256.3	266.7	268.9
52.5°	3269.8	2422.0	391.1	293.2	274.0	251.9	243.1	241.6	248.2	258.6	260.8
55°	3615.3	2721.1	419.9	293.9	268.9	249.0	237.2	232.0	237.9	245.3	246.0
57.5°	3995.4	3058.4	491.3	292.4	262.2	246.0	232.0	220.2	223.9	228.4	230.6
60°	4424.1	3455.5	645.3	295.4	259.3	239.4	221.7	206.3	205.5	208.5	209.2
62.5°	4997.2	3995.4	818.4	300.5	265.9	231.3	206.3	190.0	187.1	188.6	189.3
65°	5435.5	4253.2	763.9	296.1	279.9	225.4	191.5	174.6	168.7	167.2	167.2
67.5°	5257.2	3912.2	531.8	284.3	286.5	226.1	179.7	158.4	151.0	147.3	146.6
70°	4473.5	3177.8	369.8	272.5	279.2	224.7	167.2	145.1	135.5	130.4	129.6
72.5°	3534.3	2426.4	299.1	249.0	253.4	202.6	148.8	130.4	122.3	115.6	115.6
75°	2274.7	1480.6	249.7	221.7	207.0	157.6	128.9	116.4	108.3	101.7	101.7
77.5°	765.3	549.5	193.7	187.8	154.7	118.6	108.3	100.2	93.6	87.7	86.9
80°	310.9	260.8	142.2	142.2	108.3	90.6	84.7	81.0	76.6	69.2	69.2
82.5°	180.5	158.4	99.4	86.2	72.2	62.6	58.9	55.2	55.2	50.1	50.1
85°	86.9	87.7	59.7	53.0	41.3	36.1	34.6	32.4	31.7	28.7	28.0
87.5°	47.1	47.9	30.2	23.6	16.2	14.0	11.8	11.0	10.3	9.6	9.6
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)