

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: P634731

Luminaire Tested: GWS-SA3C-735-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634731  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-735-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

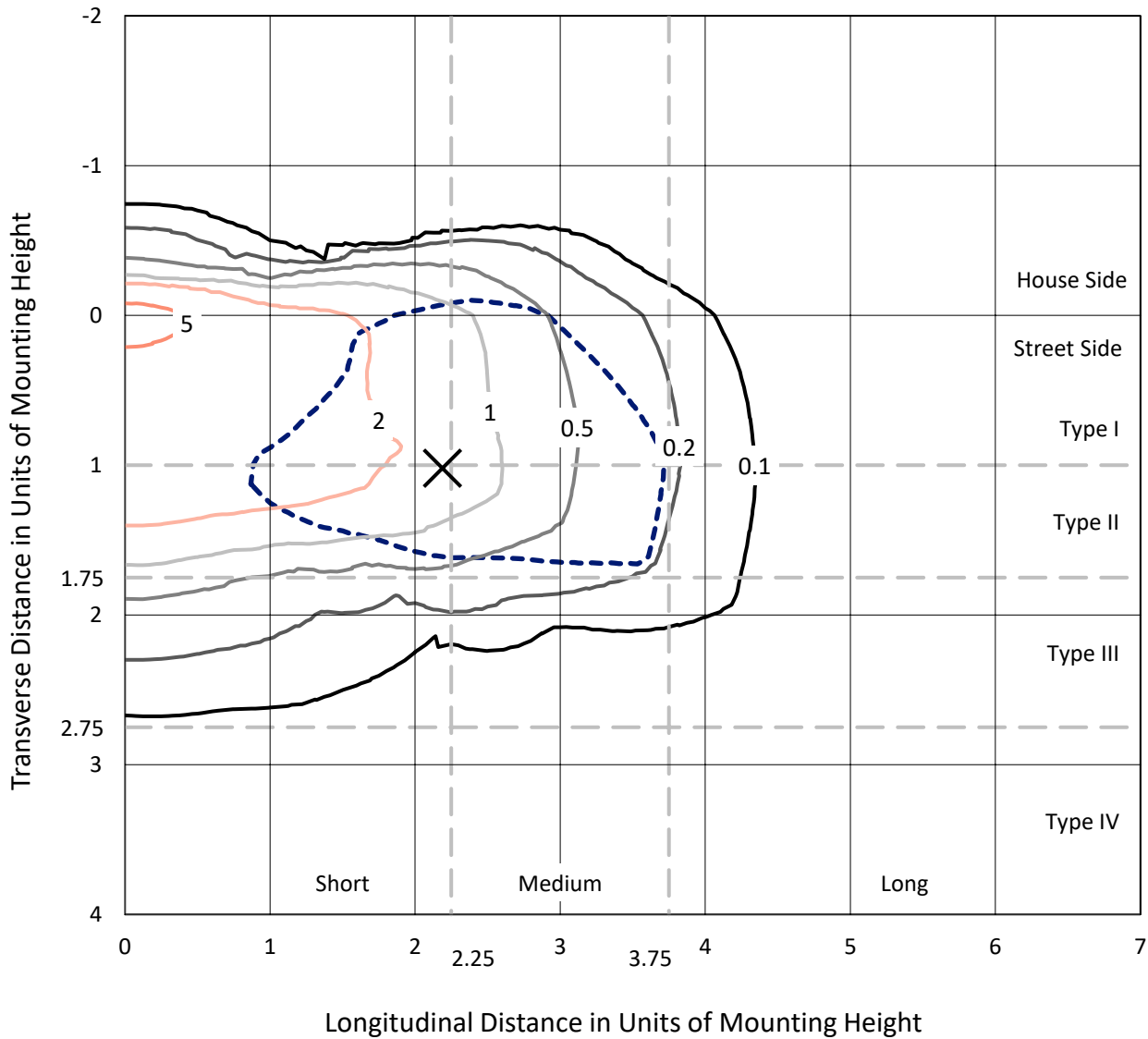
Lumens per Lamp: N/A  
Luminaire Lumens: 10906.4 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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

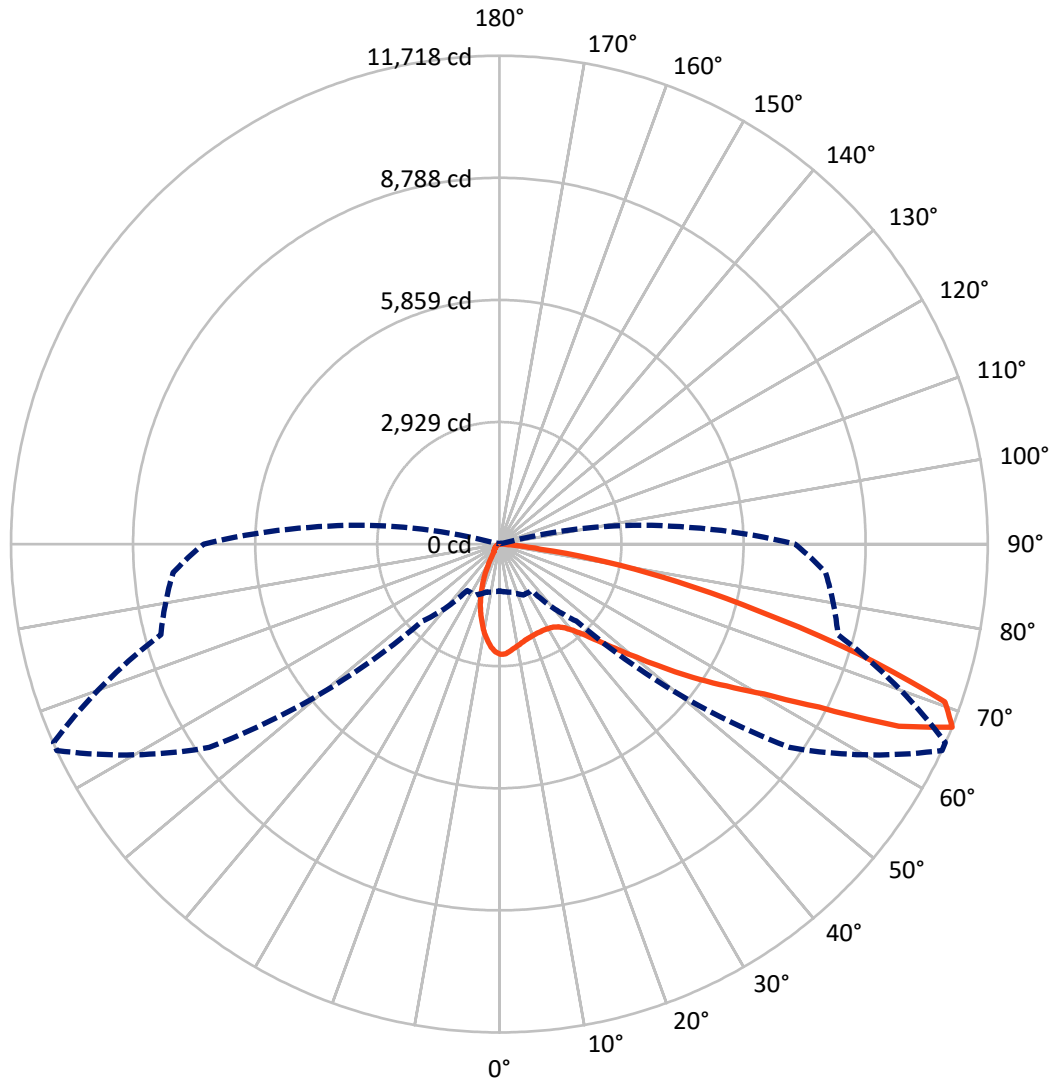
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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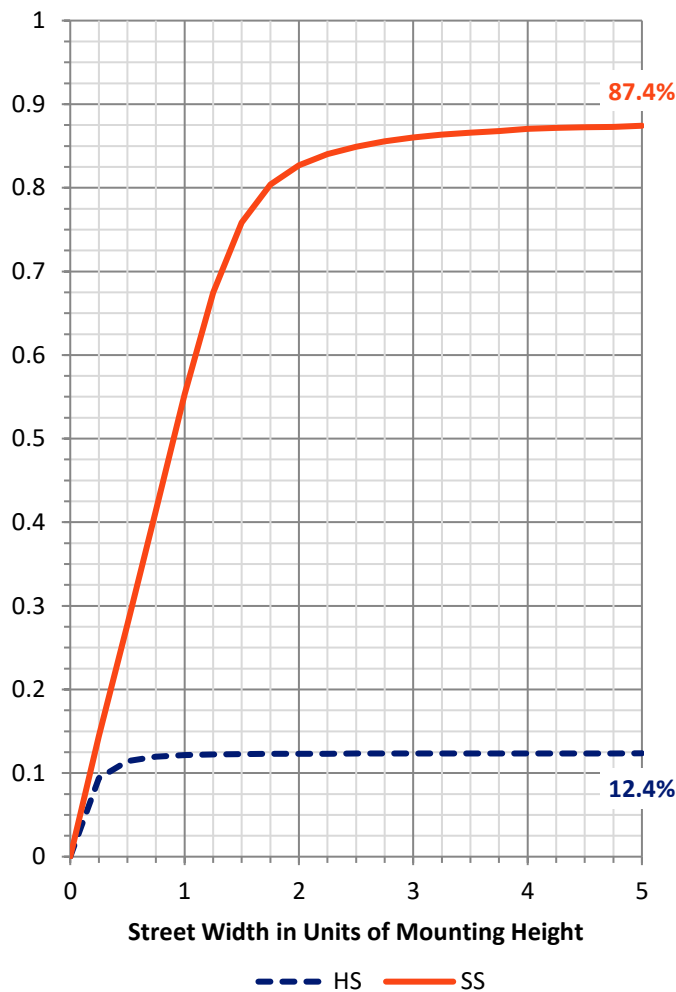
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1361.9	0.0	1361.9
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	9544.5	0.0	9544.5
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	10906.4	0.0	10906.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.7	2.0
10°-20°	493.9	4.5
20°-30°	705.7	6.5
30°-40°	1026.7	9.4
40°-50°	1608.0	14.7
50°-60°	2508.5	23.0
60°-70°	2755.5	25.3
70°-80°	1466.4	13.4
80°-90°	122.1	1.1
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°	10906.4	100.0
0°-180°	10906.4	100.0

**Coefficient of Utilization**



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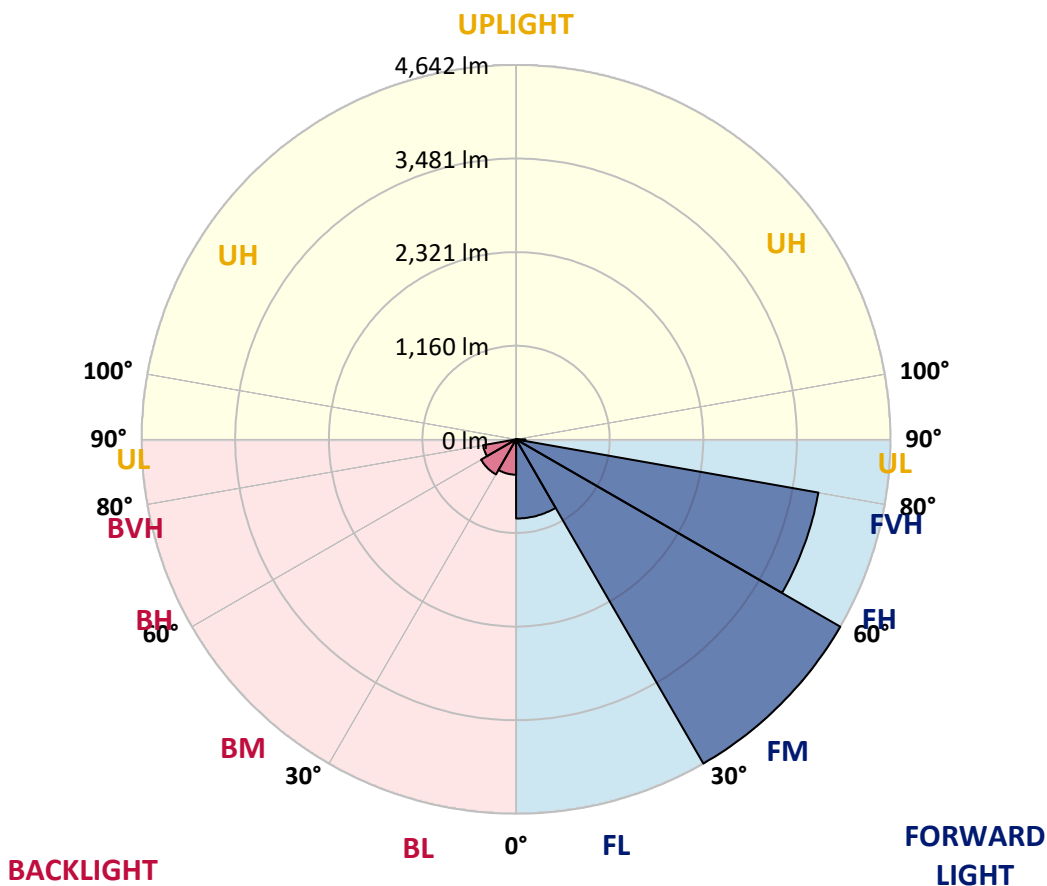
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	981.5	9.0			
FM (30°-60°)	4641.5	42.6			
FH (60°-80°)	3805.9	34.9			G2/5000
FVH (80°-90°)	115.6	1.1			G2/225
BL (0°-30°)	437.7	4.0	B1/500		
BM (30°-60°)	501.6	4.6	B1/1000		
BH (60°-80°)	416.0	3.8	B1/500		G1/500
BVH (80°-90°)	6.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2645.1	2645.1	2645.1	2645.1	2645.1	2645.1	2645.1	2645.1	2645.1	2645.1	2645.1
2.5°	2553.4	2561.3	2550.5	2577.1	2582.0	2611.6	2628.4	2640.2	2639.2	2654.0	2654.0
5°	2403.5	2411.4	2405.5	2434.1	2456.8	2503.1	2541.6	2586.0	2587.9	2633.3	2650.1
7.5°	2276.3	2277.3	2277.3	2312.8	2342.4	2399.6	2456.8	2524.8	2532.7	2602.7	2647.1
10°	2171.7	2174.7	2175.7	2216.1	2248.7	2317.7	2390.7	2472.6	2481.4	2576.1	2645.1
12.5°	2099.7	2100.7	2104.7	2147.1	2182.6	2254.6	2328.6	2422.3	2434.1	2545.5	2636.3
15°	2065.2	2063.3	2065.2	2100.7	2136.2	2205.3	2281.2	2381.8	2394.6	2519.9	2637.3
17.5°	2063.3	2060.3	2058.3	2085.0	2107.6	2168.8	2245.7	2355.2	2369.0	2508.1	2648.1
20°	2091.9	2089.9	2080.0	2091.9	2096.8	2147.1	2223.0	2334.5	2348.3	2506.1	2671.8
22.5°	2166.8	2161.9	2147.1	2136.2	2109.6	2139.2	2207.2	2319.7	2335.5	2511.0	2702.3
25°	2278.3	2276.3	2257.5	2230.9	2162.9	2151.0	2208.2	2319.7	2334.5	2516.9	2734.9
27.5°	2445.9	2434.1	2410.4	2364.1	2266.4	2197.4	2228.0	2325.6	2340.4	2524.8	2761.5
30°	2616.5	2615.6	2607.7	2560.3	2415.3	2286.1	2269.4	2341.4	2355.2	2531.7	2786.2
32.5°	2793.1	2796.0	2815.8	2779.3	2620.5	2418.3	2344.3	2373.9	2383.8	2545.5	2807.9
35°	2960.7	2966.7	3018.9	3031.8	2870.0	2618.5	2466.6	2439.0	2440.0	2576.1	2836.5
37.5°	3121.5	3141.2	3225.1	3287.2	3180.7	2861.1	2643.2	2549.5	2541.6	2637.3	2879.9
40°	3304.0	3341.4	3447.0	3552.5	3519.0	3181.7	2883.8	2719.1	2702.3	2749.7	2957.8
42.5°	3506.1	3546.6	3686.6	3834.6	3850.4	3569.3	3184.6	2966.7	2938.1	2939.1	3103.8
45°	3723.1	3777.4	3940.1	4153.1	4248.8	4001.3	3555.5	3301.0	3272.4	3230.0	3338.5
47.5°	4008.2	4055.5	4212.3	4457.9	4641.3	4464.8	4041.7	3731.0	3678.7	3616.6	3703.4
50°	4253.7	4295.2	4430.3	4738.0	5119.7	5062.5	4593.0	4268.5	4218.2	4112.7	4184.7
52.5°	4308.0	4340.5	4464.8	4811.0	5485.6	5817.0	5268.6	4918.5	4883.0	4687.7	4715.3
55°	4064.4	4113.7	4225.1	4609.8	5581.2	6554.7	6145.4	5651.3	5577.3	5265.6	5314.9
57.5°	3448.9	3536.7	3641.3	4141.3	5321.9	6947.2	7370.3	6427.4	6360.4	5821.9	5822.9
60°	2527.8	2598.8	2668.8	3126.4	4706.4	6920.6	8481.8	7299.3	7177.0	6276.5	6259.8
62.5°	1838.4	1874.9	1873.9	2036.6	3232.0	6464.9	9065.7	8613.0	8328.0	6762.8	6667.1
65°	1445.9	1444.9	1487.3	1540.5	1804.9	4990.5	9137.7	10531.3	10223.6	7414.7	7215.5
67.5°	1125.3	1147.0	1189.4	1346.2	1356.1	2611.6	8504.5	11717.7	11711.8	8409.8	7857.5
70°	867.9	897.5	957.7	1186.5	1252.5	1461.6	6363.3	11342.0	11437.6	8854.6	7402.9
72.5°	557.2	555.3	644.0	958.6	1203.2	1218.0	3519.0	9009.5	9118.0	8020.3	5985.6
75°	311.7	313.6	363.9	586.8	1121.4	1146.0	1742.7	6424.5	6510.3	6252.9	4598.9
77.5°	122.3	126.2	170.6	308.7	739.7	1023.7	1035.6	4381.0	4393.8	3875.0	2820.7
80°	49.3	52.3	86.8	191.3	450.7	689.4	739.7	2581.0	2528.8	1500.1	820.6
82.5°	14.8	15.8	34.5	108.5	235.7	490.2	499.0	990.2	935.0	322.5	209.1
85°	1.0	1.0	7.9	33.5	83.8	123.3	332.4	322.5	286.0	80.9	92.7
87.5°	0.0	0.0	1.0	1.0	2.0	3.9	35.5	59.2	60.2	14.8	41.4
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°	2645.1	2645.1	2645.1	2645.1	2645.1	2645.1	2645.1	2645.1	2645.1	2645.1	2645.1
2.5°	2654.0	2618.5	2615.6	2587.9	2560.3	2525.8	2485.4	2455.8	2435.1	2398.6	2391.7
5°	2650.1	2602.7	2558.4	2479.5	2391.7	2297.0	2214.2	2137.2	2088.9	2056.3	2042.5
7.5°	2642.2	2582.0	2479.5	2330.5	2183.6	2017.9	1888.7	1770.3	1689.5	1642.1	1621.4
10°	2636.3	2555.4	2388.7	2162.9	1935.0	1706.2	1510.0	1334.4	1236.8	1159.8	1147.0
12.5°	2624.4	2516.9	2272.3	1966.6	1672.7	1368.9	1118.4	903.4	754.5	687.4	663.8
15°	2612.6	2476.5	2156.0	1759.5	1386.7	1011.9	708.1	501.0	398.4	366.9	364.9
17.5°	2610.6	2440.0	2029.7	1563.2	1086.9	662.8	403.4	324.5	302.8	294.9	294.9
20°	2616.5	2409.4	1905.5	1337.4	792.0	403.4	300.8	281.1	268.3	261.4	261.4
22.5°	2622.5	2377.9	1786.1	1109.5	525.7	294.9	265.3	248.5	233.7	225.9	221.9
25°	2626.4	2343.4	1654.0	880.7	343.2	256.4	232.8	211.1	193.3	183.4	183.4
27.5°	2625.4	2301.9	1520.8	656.8	266.3	227.8	199.2	176.5	158.8	147.9	148.9
30°	2617.5	2256.6	1382.7	458.6	232.8	199.2	170.6	147.0	129.2	120.3	119.3
32.5°	2611.6	2208.2	1223.0	322.5	209.1	174.6	145.0	122.3	107.5	100.6	99.6
35°	2604.7	2160.9	1071.1	245.6	188.4	150.9	122.3	103.6	91.7	85.8	85.8
37.5°	2606.7	2111.6	906.4	211.1	167.7	131.2	104.5	88.8	78.9	73.0	72.0
40°	2637.3	2082.0	744.6	191.3	148.9	113.4	90.7	76.9	67.1	61.1	60.2
42.5°	2713.2	2083.0	589.8	176.5	132.2	96.7	78.9	66.1	57.2	50.3	49.3
45°	2865.1	2124.4	452.7	160.8	114.4	83.8	68.1	56.2	47.3	41.4	40.4
47.5°	3113.6	2247.7	343.2	147.0	99.6	73.0	58.2	47.3	39.5	34.5	33.5
50°	3509.1	2470.6	270.2	130.2	83.8	63.1	49.3	39.5	32.5	27.6	26.6
52.5°	3984.5	2804.9	231.8	115.4	72.0	55.2	42.4	32.5	26.6	22.7	21.7
55°	4530.9	3204.4	214.0	100.6	61.1	47.3	34.5	26.6	21.7	18.7	16.8
57.5°	5031.9	3564.3	213.0	85.8	52.3	40.4	28.6	22.7	18.7	14.8	13.8
60°	5520.1	3865.1	200.2	71.0	45.4	33.5	24.7	18.7	15.8	12.8	11.8
62.5°	5962.9	4109.7	167.7	57.2	38.5	27.6	20.7	16.8	13.8	10.8	10.8
65°	6519.2	4421.4	128.2	46.4	31.6	22.7	17.8	14.8	12.8	9.9	9.9
67.5°	7094.2	4586.1	91.7	38.5	25.6	19.7	15.8	13.8	10.8	8.9	8.9
70°	6425.5	3875.0	66.1	31.6	21.7	16.8	13.8	12.8	10.8	8.9	7.9
72.5°	5018.1	2794.1	49.3	24.7	18.7	15.8	12.8	11.8	9.9	7.9	7.9
75°	3721.2	1629.3	37.5	19.7	14.8	12.8	12.8	11.8	9.9	7.9	6.9
77.5°	2022.8	568.1	28.6	15.8	11.8	9.9	10.8	10.8	8.9	6.9	5.9
80°	535.5	155.8	19.7	11.8	9.9	7.9	7.9	9.9	7.9	5.9	5.9
82.5°	155.8	45.4	13.8	9.9	7.9	6.9	6.9	6.9	5.9	4.9	3.9
85°	75.9	16.8	9.9	7.9	6.9	5.9	4.9	4.9	3.9	3.0	3.0
87.5°	33.5	6.9	7.9	6.9	6.9	4.9	3.9	3.0	3.0	2.0	1.0
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)