

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: P635288

Luminaire Tested: GWS-SA3D-740-U-SL4-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635288  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-740-U-SL4-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16901.1 lumens  
Efficiency: N/A  
Efficacy: 139.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 120.8  
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

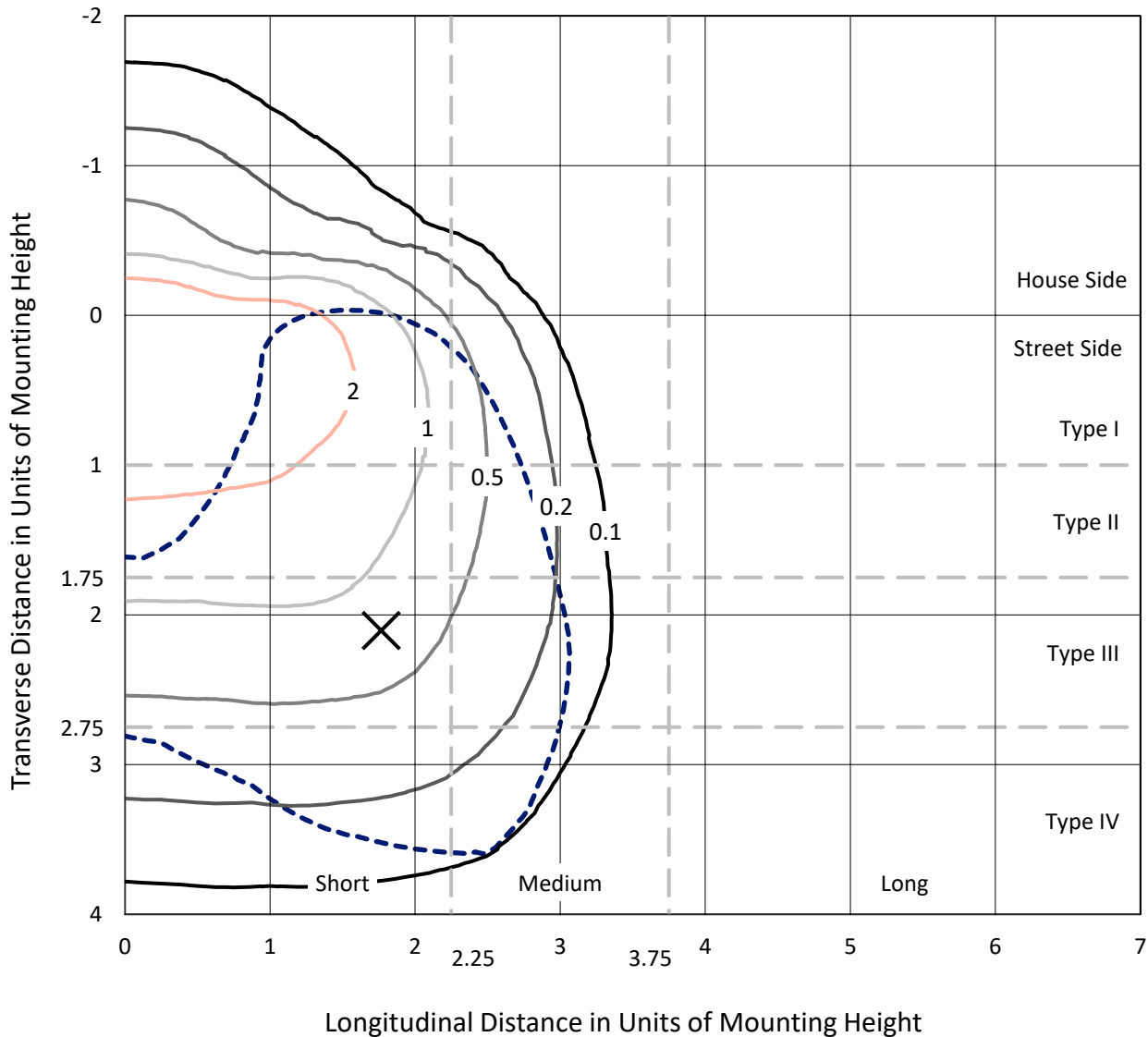


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### Iso-Footcandle Lines of Horizontal Illumination

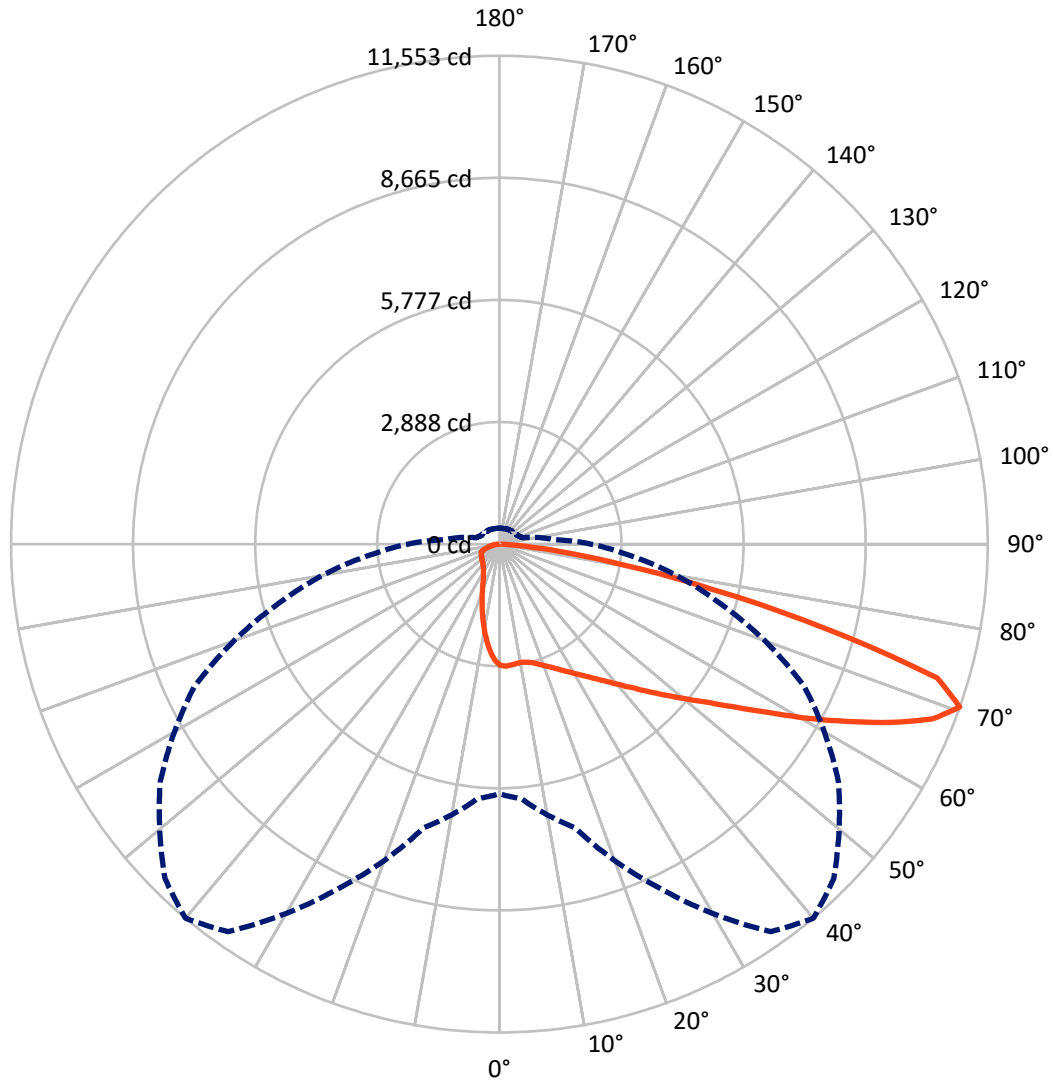
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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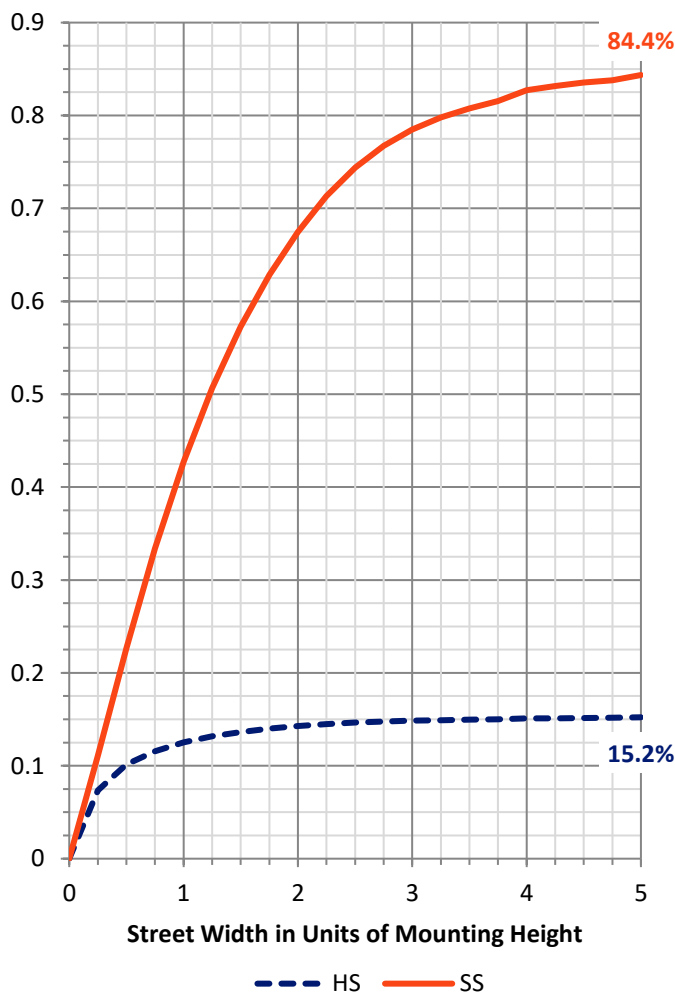
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2603.2	0.0	2603.2
	% Fixture	15.4	0.0	15.4
<b>Street Side</b>	Lumens	14297.9	0.0	14297.9
	% Fixture	84.6	0.0	84.6
<b>Total</b>	Lumens	16901.1	0.0	16901.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	253.5	1.5
10°-20°	660.9	3.9
20°-30°	1037.7	6.1
30°-40°	1560.2	9.2
40°-50°	2408.2	14.2
50°-60°	3576.4	21.2
60°-70°	4508.0	26.7
70°-80°	2606.9	15.4
80°-90°	289.3	1.7
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°	16901.1	100.0
0°-180°	16901.1	100.0

**Coefficient of Utilization**



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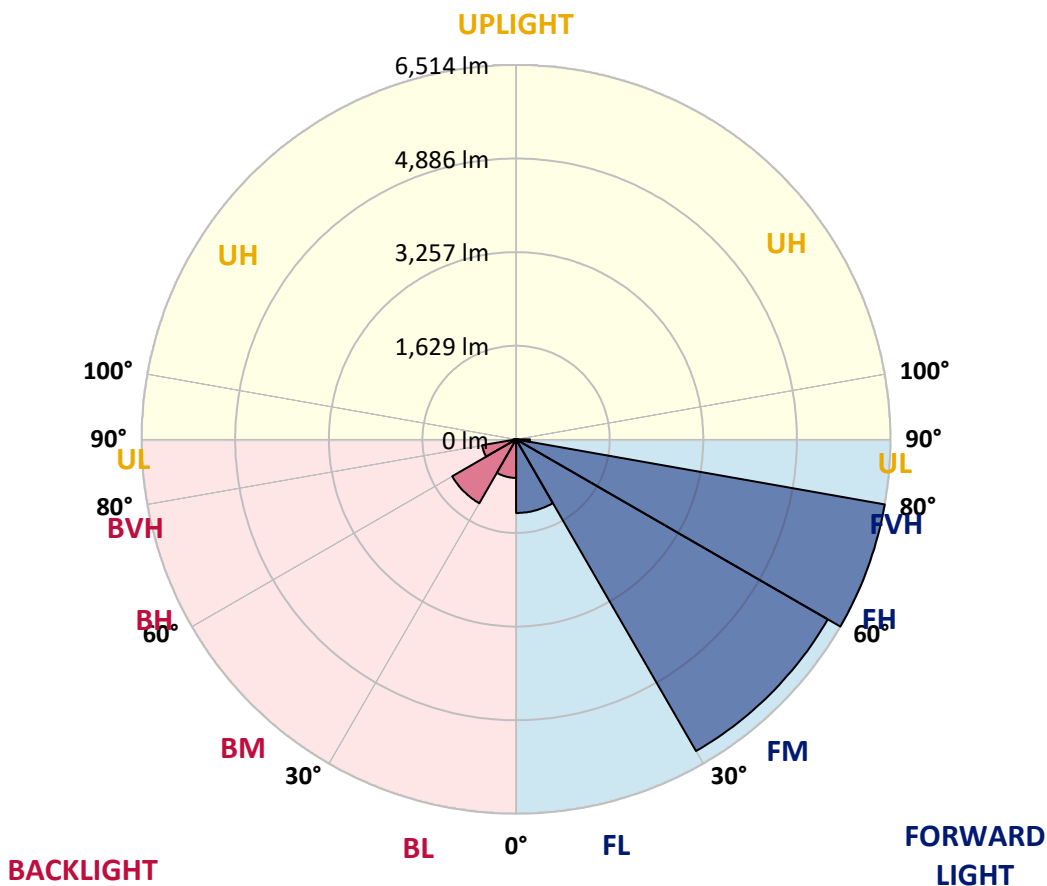
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1281.2	7.6			
FM (30°-60°)	6261.6	37.0			
FH (60°-80°)	6514.1	38.5			G3/7500
FVH (80°-90°)	241.0	1.4			G3/500
BL (0°-30°)	670.9	4.0	B2/1000		
BM (30°-60°)	1283.1	7.6	B2/2500		
BH (60°-80°)	600.8	3.6	B2/1000		G2/1000
BVH (80°-90°)	48.4	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-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0
2.5°	2887.7	2892.7	2896.5	2901.5	2899.0	2891.4	2897.8	2897.8	2883.9	2868.7	2854.9
5°	2891.4	2897.8	2896.5	2895.2	2885.1	2872.5	2872.5	2865.0	2841.0	2817.0	2794.3
7.5°	2883.9	2882.6	2881.4	2877.6	2866.2	2852.3	2849.8	2834.7	2803.1	2770.3	2737.5
10°	2849.8	2848.6	2852.3	2861.2	2858.6	2846.0	2846.0	2832.2	2795.6	2755.2	2712.3
12.5°	2822.1	2822.1	2837.2	2861.2	2870.0	2865.0	2866.2	2856.1	2814.5	2766.6	2716.1
15°	2825.8	2827.1	2859.9	2899.0	2915.4	2911.6	2912.9	2901.5	2854.9	2806.9	2738.8
17.5°	2851.1	2857.4	2914.2	2968.4	2989.8	2984.8	2976.0	2957.0	2904.1	2849.8	2766.6
20°	2904.1	2914.2	2987.3	3055.4	3080.7	3069.3	3054.2	3016.3	2958.3	2899.0	2796.8
22.5°	3008.8	3015.1	3095.8	3162.7	3182.9	3169.0	3138.7	3084.5	3017.6	2955.8	2833.4
25°	3156.4	3163.9	3240.9	3302.7	3297.7	3281.3	3239.6	3172.8	3093.3	3027.7	2886.4
27.5°	3331.7	3344.3	3420.0	3469.2	3436.4	3412.5	3365.8	3285.0	3195.5	3136.2	2967.1
30°	3523.5	3528.5	3592.9	3642.1	3591.6	3558.8	3502.0	3415.0	3334.2	3290.1	3088.2
32.5°	3708.9	3714.0	3769.5	3797.2	3744.2	3720.3	3671.1	3579.0	3522.2	3498.2	3268.6
35°	3904.5	3903.2	3948.6	3972.6	3918.3	3908.2	3857.8	3787.1	3777.0	3808.6	3532.3
37.5°	4100.0	4088.6	4112.6	4144.2	4113.9	4124.0	4091.2	4067.2	4106.3	4188.3	3883.0
40°	4256.4	4256.4	4281.7	4320.8	4330.9	4375.0	4356.1	4387.6	4513.8	4709.3	4317.0
42.5°	4395.2	4396.5	4449.4	4510.0	4583.2	4651.3	4666.4	4748.4	5009.6	5316.1	4862.0
45°	4540.3	4541.5	4613.4	4701.8	4856.9	4986.9	5017.1	5201.3	5574.7	5948.2	5453.6
47.5°	4708.1	4694.2	4793.8	4941.4	5162.2	5348.9	5427.1	5688.3	6160.1	6619.3	6011.2
50°	4897.3	4868.3	4979.3	5234.1	5506.6	5762.7	5893.9	6192.9	6788.3	7238.7	6536.0
52.5°	5110.5	5094.1	5210.2	5520.5	5936.8	6232.0	6409.9	6802.2	7398.9	7855.6	6952.3
55°	5375.4	5336.3	5504.1	5899.0	6441.4	6817.4	7028.0	7405.2	8066.3	8415.7	7270.2
57.5°	5665.6	5622.7	5847.2	6372.0	7097.4	7509.9	7773.6	8083.9	8694.5	8844.6	7457.0
60°	5978.4	5964.6	6230.7	6927.1	7879.6	8359.0	8549.4	8830.8	9240.8	9093.2	7410.3
62.5°	6264.8	6259.8	6647.0	7528.9	8708.4	9235.7	9387.1	9461.5	9634.4	9076.8	7039.4
65°	6566.3	6609.2	7132.7	8226.5	9658.3	10175.6	10238.6	10049.4	9766.8	8646.6	6279.9
67.5°	6604.2	6687.4	7438.0	8880.0	10559.1	11047.3	10996.8	10272.7	9375.8	7449.4	4922.5
70°	5906.5	6051.6	6951.1	8979.6	11193.6	11553.2	11188.6	9792.1	7956.5	5396.9	3095.8
72.5°	4935.1	5060.0	5854.8	7657.5	10374.9	10832.8	10339.6	8288.3	5622.7	3095.8	1576.9
75°	3841.4	3986.5	4719.4	6086.9	7767.3	7950.2	7703.0	5780.4	3090.8	1276.7	716.6
77.5°	2343.9	2448.6	3018.9	4124.0	5434.7	5161.0	4373.8	3240.9	1356.2	611.8	442.8
80°	1037.0	1101.3	1487.4	2215.3	3140.0	2968.4	2340.2	1383.9	741.8	388.6	309.1
82.5°	556.3	598.0	733.0	876.8	1378.9	1441.9	1169.4	797.3	398.6	222.0	176.6
85°	244.7	268.7	333.0	317.9	452.9	445.3	449.1	547.5	190.5	102.2	114.8
87.5°	0.0	0.0	0.0	0.0	1.3	1.3	13.9	73.2	18.9	30.3	26.5
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°	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0
2.5°	2839.7	2817.0	2810.7	2803.1	2789.3	2765.3	2747.6	2727.4	2718.6	2708.5	2709.8
5°	2769.1	2741.3	2714.8	2680.8	2637.9	2589.9	2557.1	2519.3	2499.1	2480.2	2485.2
7.5°	2708.5	2665.6	2611.4	2539.5	2462.5	2376.7	2307.4	2253.1	2216.5	2191.3	2203.9
10°	2670.7	2620.2	2525.6	2408.3	2278.3	2147.1	2047.5	1954.1	1896.1	1850.7	1848.2
12.5°	2663.1	2597.5	2460.0	2289.7	2101.7	1926.4	1780.0	1653.9	1576.9	1520.2	1541.6
15°	2670.7	2587.4	2403.2	2179.9	1942.8	1705.6	1523.9	1378.9	1286.8	1235.0	1231.3
17.5°	2679.5	2577.3	2338.9	2061.4	1776.2	1505.0	1294.3	1140.4	1045.8	994.1	995.4
20°	2687.1	2562.2	2263.2	1931.4	1607.2	1318.3	1100.1	953.7	869.2	831.4	837.7
22.5°	2699.7	2547.0	2182.5	1792.6	1434.4	1137.9	946.2	827.6	777.1	751.9	753.1
25°	2723.7	2538.2	2099.2	1641.3	1264.1	994.1	840.2	760.7	729.2	714.0	712.8
27.5°	2772.9	2545.8	2012.2	1494.9	1110.2	884.3	772.1	720.3	698.9	688.8	687.5
30°	2854.9	2576.1	1936.5	1346.1	977.7	798.6	725.4	693.8	681.2	672.4	671.1
32.5°	2979.8	2632.8	1854.5	1207.3	870.5	735.5	688.8	672.4	663.6	658.5	658.5
35°	3169.0	2736.3	1773.7	1086.2	787.2	686.3	659.8	653.5	645.9	643.4	645.9
37.5°	3441.5	2901.5	1700.6	980.2	727.9	648.4	628.2	630.8	624.5	628.2	632.0
40°	3787.1	3122.3	1638.7	893.2	683.8	620.7	600.5	609.3	605.5	609.3	615.6
42.5°	4224.9	3396.1	1592.1	825.0	652.2	598.0	579.0	587.9	585.4	590.4	596.7
45°	4713.1	3756.9	1570.6	777.1	629.5	581.6	561.4	567.7	565.2	569.0	575.3
47.5°	5181.1	4084.9	1589.5	749.4	610.6	567.7	546.2	548.8	547.5	546.2	550.0
50°	5584.8	4346.0	1643.8	740.5	598.0	553.8	533.6	534.9	531.1	523.5	526.1
52.5°	5914.1	4555.4	1676.6	740.5	591.7	538.7	519.8	521.0	513.4	503.4	504.6
55°	6131.1	4639.9	1650.1	739.3	589.1	526.1	505.9	507.1	499.6	487.0	488.2
57.5°	6192.9	4557.9	1539.1	725.4	586.6	516.0	492.0	494.5	489.5	475.6	475.6
60°	6020.1	4257.7	1336.0	693.8	580.3	509.7	481.9	485.7	483.2	469.3	469.3
62.5°	5567.2	3724.1	1093.8	645.9	562.6	502.1	473.1	480.6	487.0	479.4	478.1
65°	4719.4	2983.5	889.4	592.9	539.9	489.5	460.5	479.4	493.3	503.4	503.4
67.5°	3541.1	2135.8	725.4	537.4	505.9	464.2	444.1	461.7	471.8	478.1	481.9
70°	2158.5	1256.5	571.5	473.1	456.7	426.4	411.3	393.6	379.7	377.2	378.5
72.5°	1055.9	719.1	464.2	402.4	389.8	362.1	328.0	320.4	314.1	310.3	309.1
75°	581.6	500.8	383.5	334.3	311.6	277.5	270.0	257.4	254.8	249.8	251.0
77.5°	411.3	394.9	316.6	271.2	237.2	219.5	223.3	214.5	214.5	210.7	209.4
80°	309.1	310.3	243.5	198.1	175.4	169.0	172.8	172.8	170.3	169.0	167.8
82.5°	195.5	220.8	164.0	127.4	124.9	126.2	124.9	123.6	126.2	122.4	121.1
85°	135.0	159.0	99.7	75.7	75.7	74.4	77.0	75.7	78.2	74.4	74.4
87.5°	30.3	70.6	36.6	22.7	24.0	22.7	24.0	25.2	27.8	29.0	29.0
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)