

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: P635242

Luminaire Tested: GWS-SA3D-735-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635242  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-735-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

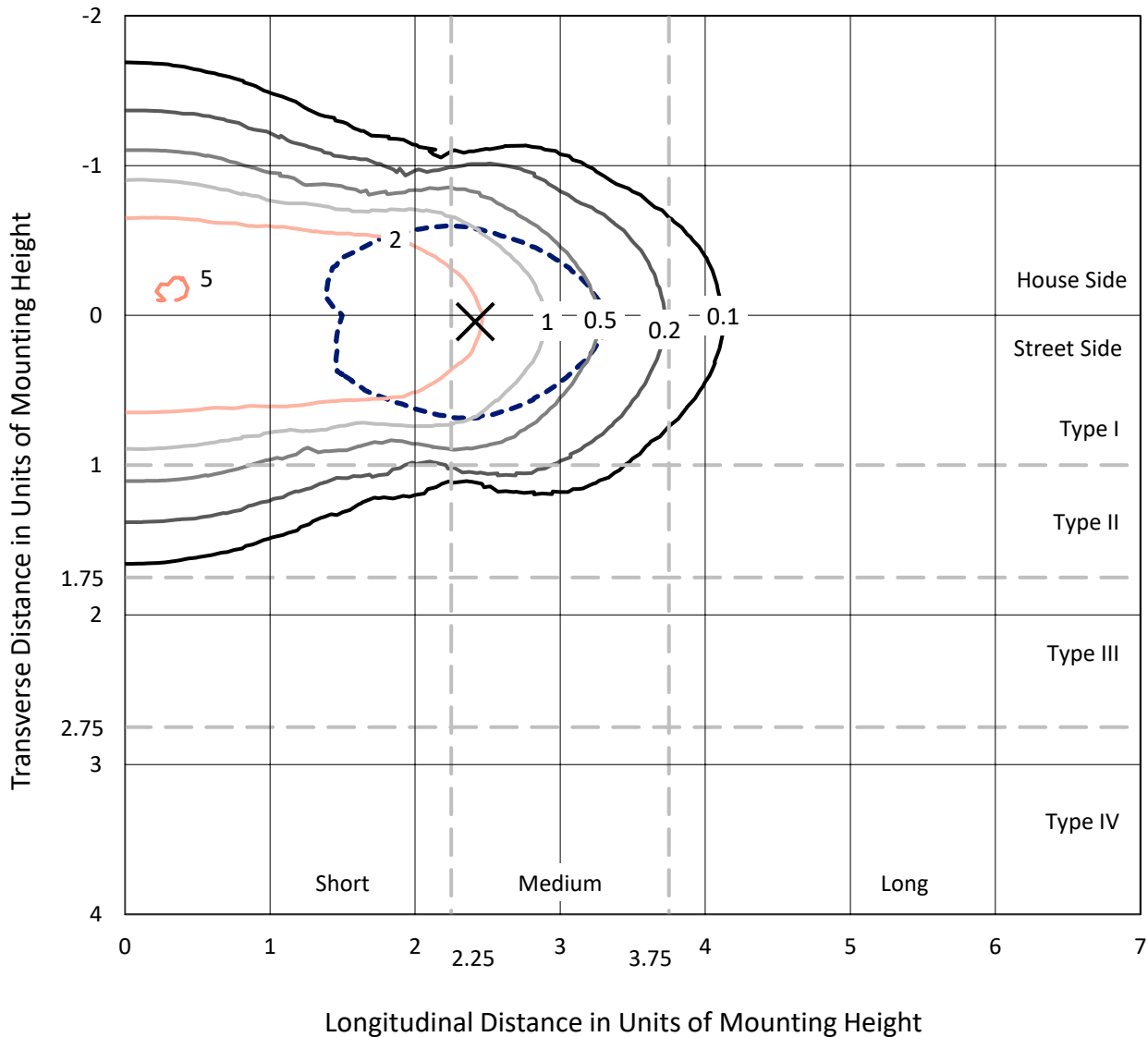
Lumens per Lamp: N/A  
Luminaire Lumens: 17325.2 lumens  
Efficiency: N/A  
Efficacy: 143.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

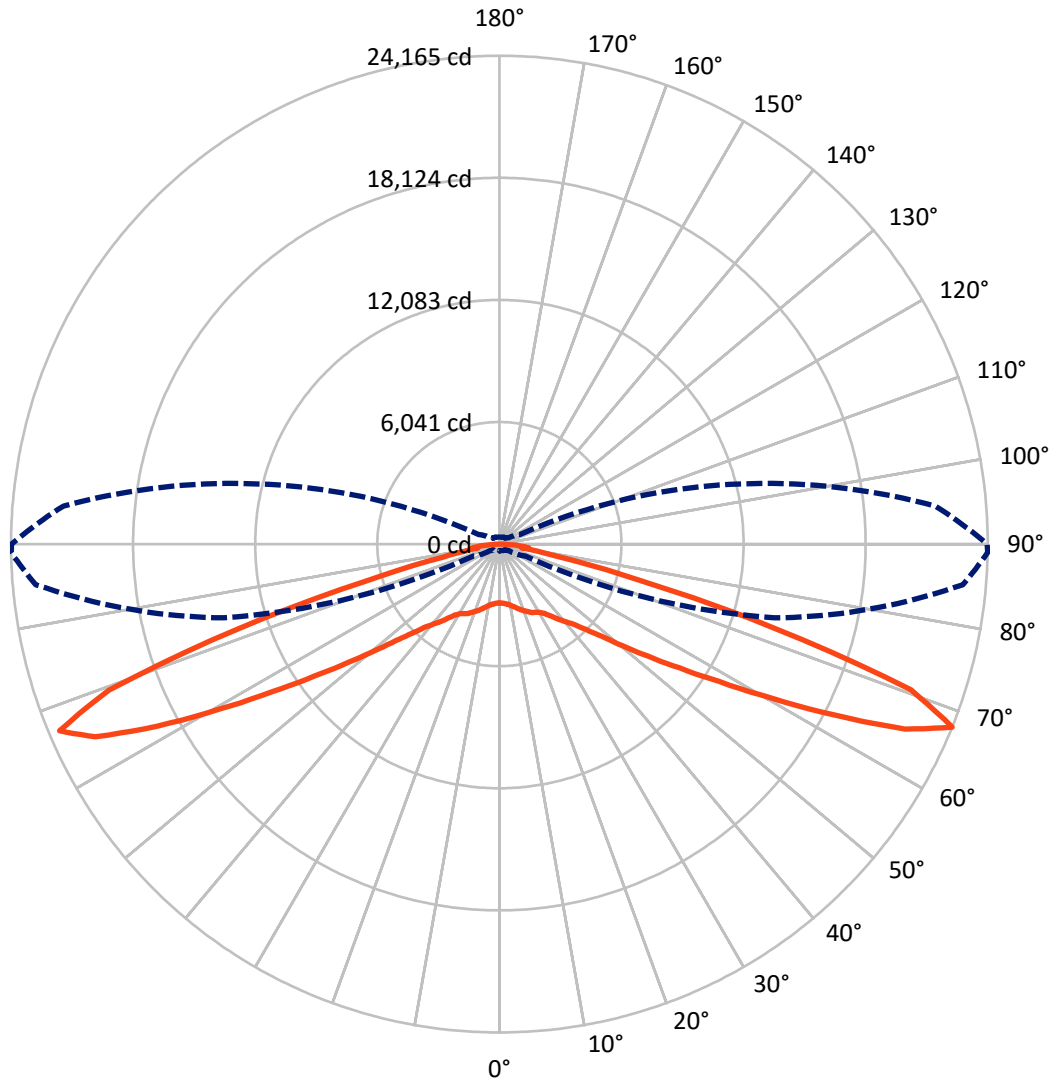
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type I - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8586.7	0.0	8586.7
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	8738.5	0.0	8738.5
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	17325.2	0.0	17325.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.7	1.7
10°-20°	949.8	5.5
20°-30°	1605.5	9.3
30°-40°	2203.4	12.7
40°-50°	2809.8	16.2
50°-60°	3525.4	20.3
60°-70°	4251.9	24.5
70°-80°	1538.2	8.9
80°-90°	149.6	0.9
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°	17325.2	100.0
0°-180°	17325.2	100.0

**Coefficient of Utilization**



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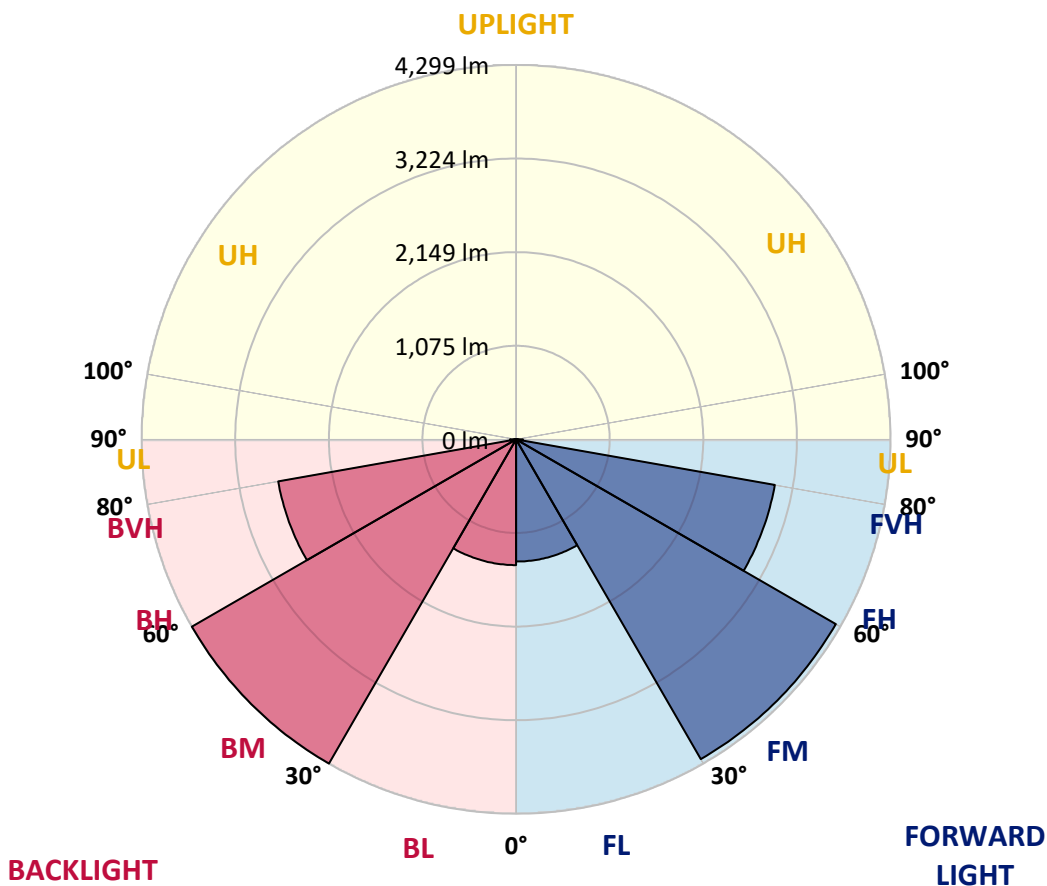
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1403.2	8.1			
FM (30°-60°)	4239.8	24.5			
FH (60°-80°)	3016.6	17.4			G2/5000
FVH (80°-90°)	78.9	0.5			G1/100
BL (0°-30°)	1443.8	8.3	B3/2500		
BM (30°-60°)	4298.7	24.8	B3/5000		
BH (60°-80°)	2773.5	16.0	B4/5000		G4/5000
BVH (80°-90°)	70.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2907.9	2907.9	2907.9	2907.9	2907.9	2907.9	2907.9	2907.9	2907.9	2907.9	2907.9
2.5°	2916.6	2914.1	2907.9	2926.6	2922.8	2924.1	2931.5	2926.6	2917.8	2902.9	2924.1
5°	2998.7	2997.5	2983.8	2995.0	2982.6	2973.8	2972.6	2960.2	2950.2	2934.0	2956.4
7.5°	3078.4	3077.1	3065.9	3085.8	3075.9	3065.9	3054.7	3029.8	3006.2	2982.6	3007.4
10°	3139.3	3138.1	3135.6	3164.2	3166.7	3170.4	3165.5	3123.2	3082.1	3053.5	3078.4
12.5°	3174.2	3177.9	3184.1	3236.4	3262.5	3287.4	3293.6	3258.8	3190.3	3149.3	3179.1
15°	3150.5	3158.0	3189.1	3283.7	3355.8	3411.8	3435.5	3406.9	3318.5	3250.1	3283.7
17.5°	3037.3	3043.5	3104.5	3248.8	3408.1	3537.5	3576.1	3558.7	3460.4	3377.0	3409.3
20°	2880.5	2894.2	2960.2	3161.7	3399.4	3624.6	3727.9	3721.7	3614.6	3486.5	3525.1
22.5°	2738.7	2754.8	2824.5	3047.3	3340.9	3647.0	3880.9	3897.1	3755.3	3596.0	3627.1
25°	2579.4	2594.3	2683.9	2911.6	3240.1	3629.6	4011.6	4085.0	3914.5	3721.7	3750.3
27.5°	2416.4	2427.6	2515.9	2758.6	3108.2	3597.2	4114.9	4291.5	4071.3	3808.8	3828.7
30°	2273.3	2288.2	2369.1	2605.5	2963.9	3532.5	4199.5	4511.8	4251.7	3907.1	3923.2
32.5°	2135.2	2147.6	2236.0	2455.0	2810.8	3433.0	4275.4	4770.6	4519.2	4090.0	4090.0
35°	1961.0	1983.4	2082.9	2310.6	2666.5	3301.1	4330.1	5071.7	4885.1	4360.0	4361.2
37.5°	1800.5	1812.9	1917.4	2147.6	2514.7	3151.8	4335.1	5384.0	5347.9	4703.4	4705.9
40°	1617.6	1633.7	1745.7	1973.4	2340.5	2995.0	4287.8	5675.2	5833.2	5056.8	5043.1
42.5°	1432.2	1455.8	1562.8	1785.5	2152.6	2803.4	4162.1	5952.7	6449.1	5466.1	5432.6
45°	1253.0	1267.9	1374.9	1585.2	1937.4	2574.4	3960.6	6218.9	7180.8	6088.3	6039.8
47.5°	1051.4	1057.6	1168.4	1370.0	1714.6	2319.3	3671.9	6456.6	7984.6	6912.0	6828.6
50°	872.2	881.0	968.1	1141.0	1442.1	2017.0	3312.3	6596.0	9008.6	8035.6	7891.3
52.5°	705.5	714.2	783.9	922.0	1192.0	1672.3	2866.8	6563.6	10047.6	9430.4	9220.2
55°	569.9	576.1	623.4	731.6	938.2	1330.1	2340.5	6273.7	11201.1	11252.1	10799.2
57.5°	481.5	484.0	516.4	582.3	732.9	1025.3	1806.7	5589.3	12410.5	13576.4	12832.3
60°	430.5	431.8	446.7	487.8	578.6	782.7	1323.9	4499.3	13663.5	16484.3	15464.0
62.5°	398.2	398.2	410.6	434.3	480.3	602.2	973.0	3231.4	14563.1	19648.5	18634.4
65°	367.1	367.1	375.8	395.7	420.6	491.5	730.4	2084.2	15004.8	22293.9	22068.6
67.5°	327.2	328.5	334.7	355.9	378.3	410.6	553.7	1409.8	14087.8	23025.5	24165.3
70°	289.9	291.2	299.9	313.6	332.2	354.6	433.0	971.8	10254.2	19176.9	21607.0
72.5°	248.9	253.8	260.1	275.0	286.2	302.4	353.4	629.6	5966.3	12335.8	14283.2
75°	204.1	210.3	217.7	232.7	240.1	246.4	291.2	449.2	2870.6	6251.3	7118.6
77.5°	158.0	164.2	173.0	186.6	191.6	199.1	222.7	324.8	1374.9	2771.0	2987.5
80°	105.8	108.3	115.7	131.9	140.6	145.6	164.2	221.5	597.3	1112.4	1102.4
82.5°	64.7	65.9	68.4	78.4	82.1	87.1	107.0	135.6	284.9	1264.2	1449.6
85°	23.6	22.4	21.2	27.4	32.4	37.3	49.8	68.4	124.4	868.5	971.8
87.5°	0.0	0.0	0.0	1.2	2.5	2.5	5.0	10.0	29.9	324.8	222.7
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°	2907.9	2907.9	2907.9	2907.9	2907.9	2907.9	2907.9	2907.9	2907.9	2907.9	2907.9
2.5°	2917.8	2904.2	2921.6	2934.0	2961.4	2971.4	2973.8	2965.1	2965.1	2950.2	2952.7
5°	2951.4	2942.7	2971.4	2992.5	3032.3	3047.3	3057.2	3051.0	3054.7	3044.8	3047.3
7.5°	3002.5	2995.0	3044.8	3085.8	3126.9	3144.3	3153.0	3148.0	3149.3	3136.8	3140.6
10°	3073.4	3075.9	3135.6	3189.1	3243.9	3261.3	3265.0	3250.1	3237.6	3215.2	3216.5
12.5°	3170.4	3182.9	3267.5	3327.2	3383.2	3408.1	3380.7	3326.0	3275.0	3236.4	3231.4
15°	3276.2	3298.6	3420.5	3496.4	3557.4	3545.0	3464.1	3340.9	3240.1	3182.9	3171.7
17.5°	3403.1	3436.7	3589.8	3680.6	3732.9	3653.2	3484.0	3299.8	3159.2	3082.1	3067.2
20°	3522.6	3576.1	3768.9	3887.1	3893.4	3714.2	3475.3	3216.5	3039.8	2945.2	2925.3
22.5°	3632.1	3700.5	3956.8	4107.4	4026.5	3741.6	3421.8	3098.3	2895.5	2784.7	2767.3
25°	3751.5	3848.6	4175.8	4316.4	4159.6	3730.4	3309.8	2951.4	2721.3	2608.0	2595.6
27.5°	3833.6	3955.6	4396.1	4530.4	4269.1	3666.9	3165.5	2790.9	2562.0	2455.0	2437.6
30°	3928.2	4083.7	4638.7	4763.1	4336.3	3573.6	3011.2	2641.6	2413.9	2298.2	2285.8
32.5°	4099.9	4295.3	4939.8	5009.5	4357.5	3457.9	2863.1	2497.3	2259.6	2143.9	2126.5
35°	4376.2	4605.1	5362.9	5284.5	4341.3	3331.0	2722.5	2328.1	2101.6	1993.3	1975.9
37.5°	4724.6	5009.5	5834.5	5532.1	4296.5	3191.6	2555.8	2186.2	1959.7	1850.3	1840.3
40°	5049.3	5400.2	6363.3	5746.1	4205.7	3019.9	2395.2	2038.1	1806.7	1691.0	1668.6
42.5°	5456.2	5922.8	6975.5	5931.5	4056.4	2814.6	2214.8	1855.2	1615.1	1510.6	1483.2
45°	6074.6	6654.4	7687.2	6109.4	3833.6	2562.0	1988.4	1632.5	1404.8	1297.8	1276.6
47.5°	6846.1	7569.0	8458.7	6215.2	3495.2	2295.7	1732.0	1397.3	1169.6	1048.9	1039.0
50°	7929.8	8899.1	9286.1	6196.5	3116.9	1979.7	1443.4	1117.4	927.0	839.9	826.2
52.5°	9250.0	10569.0	10180.7	5972.6	2715.0	1620.1	1124.8	877.2	735.4	673.2	662.0
55°	10906.2	12568.5	11122.7	5492.3	2207.4	1240.6	883.4	691.8	594.8	557.4	552.5
57.5°	12956.7	15157.9	12029.8	4683.5	1659.9	946.9	680.6	571.1	525.1	502.7	501.4
60°	15663.1	17906.5	12817.4	3639.5	1188.3	724.2	562.4	510.2	474.1	459.1	457.9
62.5°	18880.8	20402.5	13307.6	2478.6	893.4	577.3	495.2	462.9	441.7	433.0	431.8
65°	22188.1	21980.3	13073.7	1623.8	678.1	490.2	444.2	426.8	408.1	399.4	399.4
67.5°	24141.6	21646.8	11278.2	1127.3	537.5	430.5	400.7	384.5	353.4	345.9	345.9
70°	21383.0	17540.7	7392.3	825.0	435.5	377.0	348.4	326.0	313.6	306.1	304.8
72.5°	14142.5	11413.8	3930.7	572.4	363.3	321.0	294.9	286.2	271.3	263.8	262.5
75°	7038.9	5995.0	2014.5	413.1	302.4	257.6	246.4	242.6	230.2	220.2	217.7
77.5°	2934.0	2669.0	939.4	299.9	230.2	207.8	197.8	197.8	184.2	173.0	168.0
80°	1106.2	985.5	444.2	205.3	170.5	154.3	148.1	143.1	131.9	118.2	110.7
82.5°	1479.5	966.8	217.7	128.2	112.0	99.5	90.8	87.1	80.9	74.7	69.7
85°	958.1	686.8	98.3	65.9	56.0	42.3	37.3	34.8	31.1	27.4	24.9
87.5°	195.4	230.2	29.9	12.4	7.5	3.7	3.7	1.2	0.0	0.0	0.0
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)