

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: P635364

Luminaire Tested: GWS-SA3D-750-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635364  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-750-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

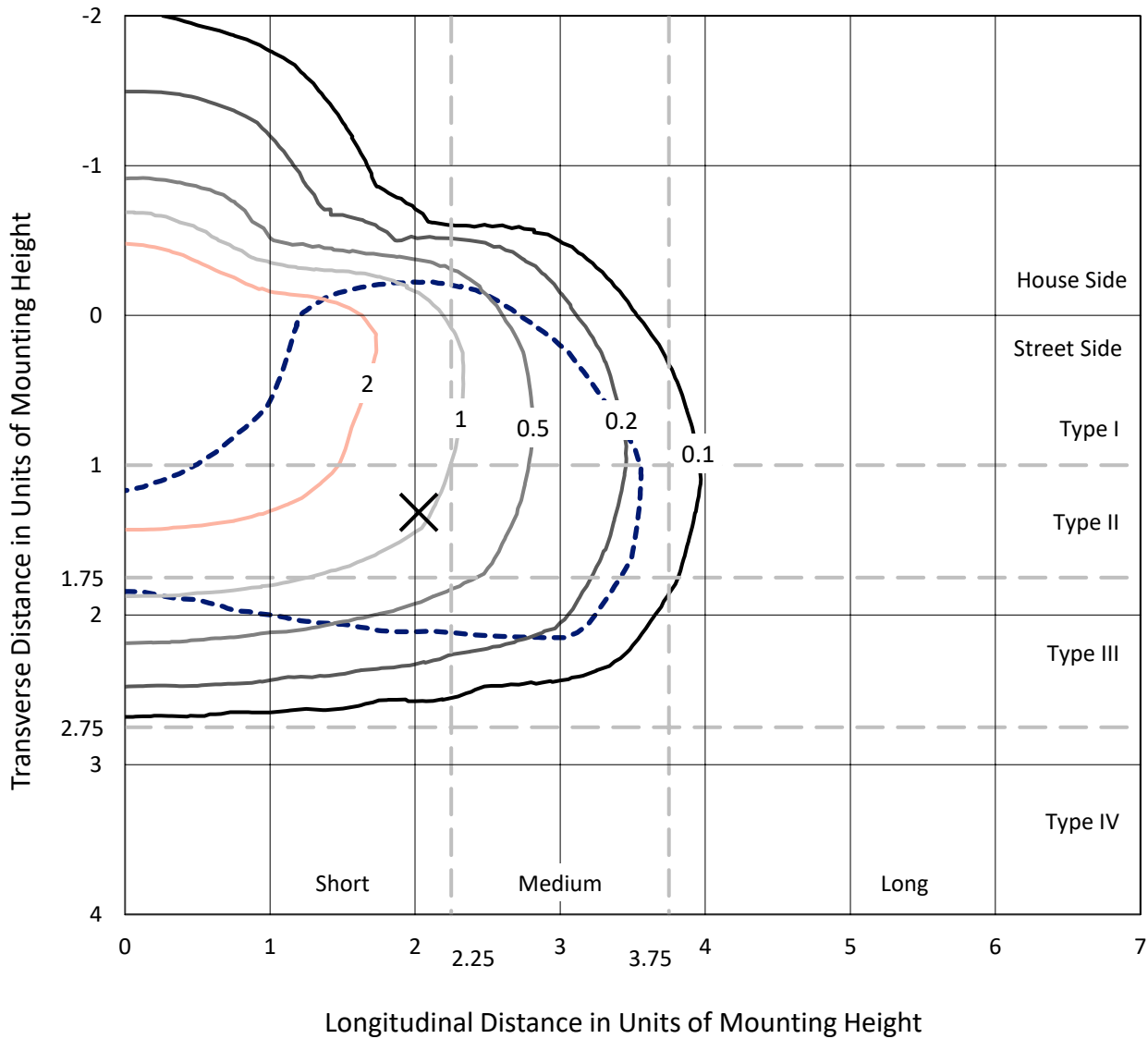
Lumens per Lamp: N/A  
Luminaire Lumens: 18013.7 lumens  
Efficiency: N/A  
Efficacy: 149.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

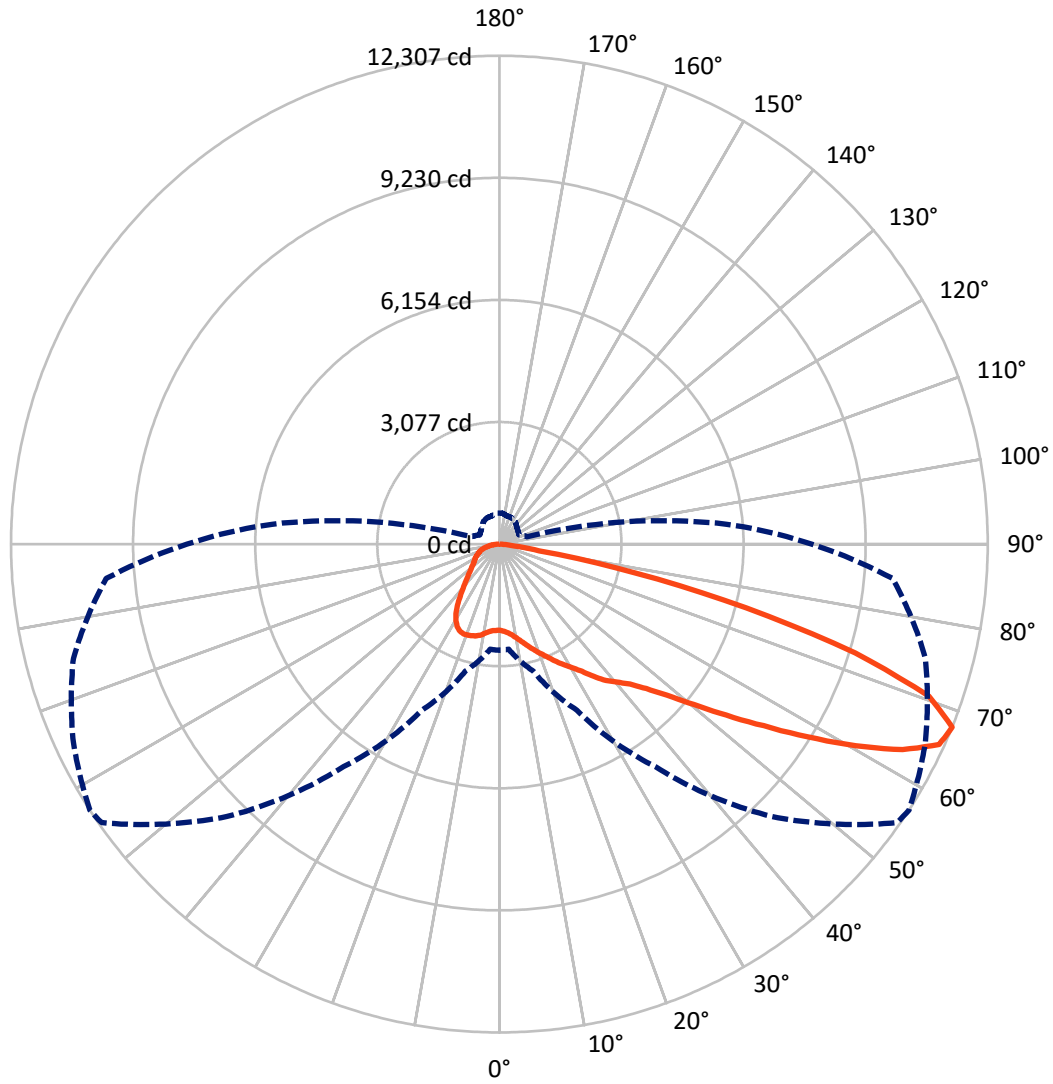
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3960.5	0.0	3960.5
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	14053.2	0.0	14053.2
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	18013.7	0.0	18013.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.3	1.2
10°-20°	712.7	4.0
20°-30°	1270.5	7.1
30°-40°	1847.2	10.3
40°-50°	2673.5	14.8
50°-60°	4183.9	23.2
60°-70°	4880.8	27.1
70°-80°	2037.5	11.3
80°-90°	192.3	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°	18013.7	100.0
0°-180°	18013.7	100.0

**Coefficient of Utilization**



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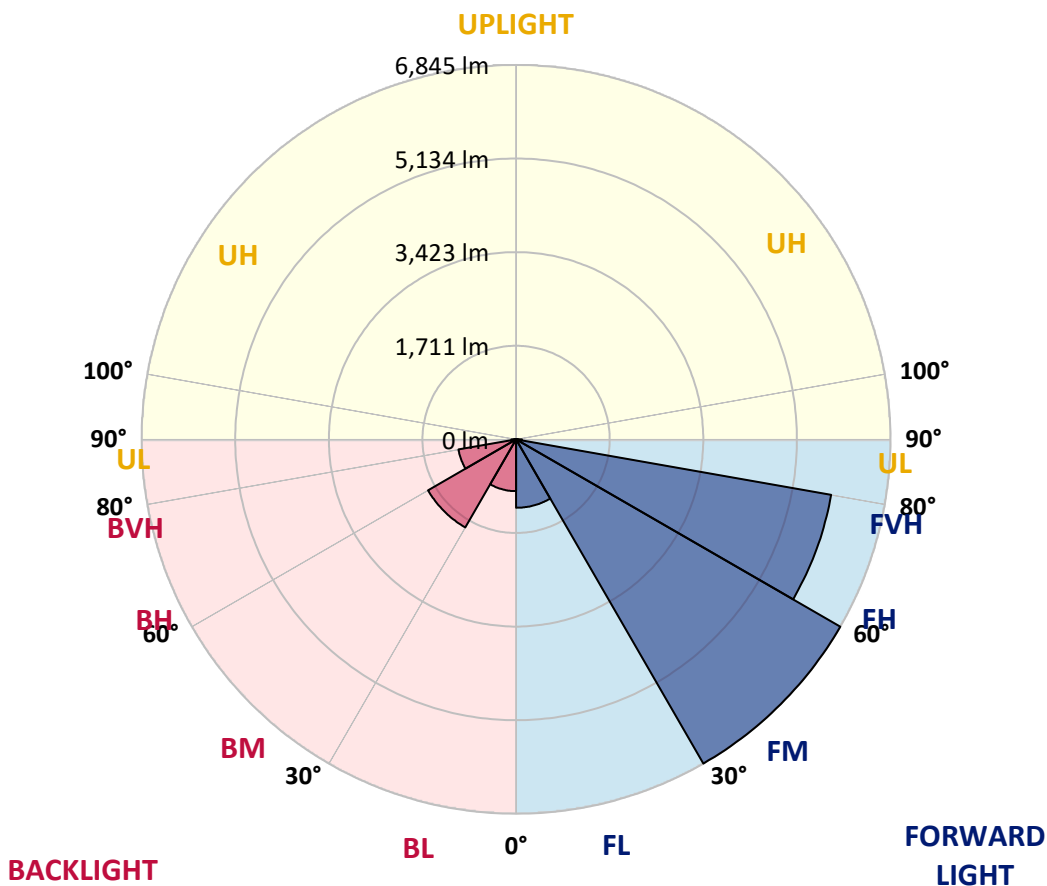
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1251.2	6.9			
FM (30°-60°)	6845.5	38.0			
FH (60°-80°)	5849.4	32.5			G3/7500
FVH (80°-90°)	107.1	0.6			G2/225
BL (0°-30°)	947.2	5.3	B2/1000		
BM (30°-60°)	1859.2	10.3	B2/2500		
BH (60°-80°)	1069.0	5.9	B3/2500		G3/2500
BVH (80°-90°)	85.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2170.5	2170.5	2170.5	2170.5	2170.5	2170.5	2170.5	2170.5	2170.5	2170.5	2170.5
2.5°	2201.5	2198.9	2197.6	2205.4	2202.8	2201.5	2201.5	2200.2	2197.6	2187.3	2173.1
5°	2262.1	2257.0	2251.8	2258.3	2253.1	2248.0	2246.7	2244.1	2235.1	2219.6	2197.6
7.5°	2325.4	2320.2	2321.5	2325.4	2321.5	2318.9	2315.1	2312.5	2298.3	2273.8	2244.1
10°	2414.4	2414.4	2417.0	2420.9	2422.2	2418.3	2410.6	2406.7	2389.9	2358.9	2317.6
12.5°	2543.5	2540.9	2540.9	2538.3	2542.2	2538.3	2530.6	2524.1	2503.5	2463.5	2404.1
15°	2713.8	2703.5	2694.4	2677.7	2672.5	2658.3	2660.9	2657.0	2637.7	2583.5	2508.6
17.5°	2895.8	2894.5	2880.3	2846.7	2813.2	2789.9	2795.1	2793.8	2783.5	2709.9	2614.4
20°	3055.8	3062.2	3049.3	3023.5	2978.3	2934.5	2931.9	2938.3	2925.4	2851.9	2719.0
22.5°	3235.1	3230.0	3217.1	3183.5	3150.0	3103.5	3088.0	3082.9	3077.7	2993.8	2826.1
25°	3405.5	3421.0	3404.2	3373.2	3321.6	3271.3	3258.4	3263.5	3249.3	3138.4	2940.9
27.5°	3621.0	3627.4	3617.1	3574.5	3530.7	3459.7	3435.2	3435.2	3430.0	3273.9	3031.3
30°	3850.7	3868.8	3850.7	3815.8	3770.7	3668.7	3615.8	3610.7	3595.2	3413.2	3137.1
32.5°	4081.7	4094.6	4081.7	4048.1	3996.5	3907.5	3831.3	3819.7	3799.1	3565.5	3245.5
35°	4286.9	4298.5	4295.9	4303.6	4261.0	4148.8	4102.3	4097.2	4043.0	3764.2	3392.6
37.5°	4511.4	4525.6	4506.2	4521.7	4504.9	4399.1	4384.9	4359.1	4281.7	3951.3	3547.4
40°	4766.9	4779.8	4748.8	4755.3	4735.9	4676.6	4604.3	4569.5	4454.6	4153.9	3791.3
42.5°	5040.5	5070.2	5084.4	5072.7	5027.6	4994.0	4867.6	4823.7	4728.2	4519.1	4192.7
45°	5436.6	5480.5	5501.2	5471.5	5452.1	5404.4	5249.5	5196.6	5146.3	5034.0	4752.7
47.5°	5863.8	5903.8	5969.6	5982.5	5998.0	5961.9	5743.8	5692.2	5701.2	5688.3	5441.8
50°	6204.5	6238.0	6386.4	6545.1	6676.8	6687.1	6408.3	6352.9	6401.9	6443.2	6271.6
52.5°	6452.2	6481.9	6678.1	7005.8	7303.9	7524.6	7223.9	7160.7	7200.7	7293.6	7214.9
55°	6653.5	6694.8	6900.0	7403.3	8005.9	8354.3	8162.1	8082.1	8065.3	8180.1	8225.3
57.5°	6759.4	6772.3	7060.0	7714.3	8520.8	9168.6	9252.5	9162.2	9002.1	9065.4	9300.2
60°	6518.0	6540.0	6933.6	7794.3	8927.3	9976.4	10397.1	10322.3	9981.6	10016.4	10275.8
62.5°	5850.9	5881.8	6355.4	7413.6	8960.8	10515.8	11454.0	11406.2	10949.4	10761.0	10838.4
65°	4693.3	4703.7	5194.0	6471.6	8293.7	10582.9	12190.8	12179.2	11625.6	11184.3	10852.6
67.5°	2676.4	2658.3	3313.9	4615.9	6844.5	9710.6	12238.6	12307.0	11845.0	11114.6	9949.3
70°	1160.1	1162.7	1464.7	2277.6	4430.1	7848.5	11367.5	11485.0	11210.1	9954.5	7915.6
72.5°	536.8	544.6	674.9	985.9	1891.8	4868.8	9269.3	9375.1	9138.9	7967.2	5759.3
75°	379.4	385.8	450.4	565.2	869.8	1897.0	6200.6	6422.5	6537.4	5959.3	3795.2
77.5°	287.8	296.8	329.1	392.3	536.8	672.3	2966.7	3495.8	4164.3	3707.4	1955.0
80°	183.2	183.2	218.1	262.0	327.8	349.7	856.9	1015.6	2037.6	1527.9	767.8
82.5°	123.9	127.8	148.4	166.5	188.4	198.7	367.8	392.3	588.4	520.0	316.2
85°	65.8	68.4	77.4	76.1	90.3	78.7	154.9	153.6	215.5	236.2	120.0
87.5°	0.0	0.0	1.3	1.3	2.6	3.9	16.8	18.1	45.2	72.3	40.0
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°	2170.5	2170.5	2170.5	2170.5	2170.5	2170.5	2170.5	2170.5	2170.5	2170.5	2170.5
2.5°	2180.9	2165.4	2173.1	2170.5	2178.3	2178.3	2164.1	2160.2	2161.5	2146.0	2140.8
5°	2200.2	2182.1	2186.0	2180.9	2188.6	2195.0	2188.6	2188.6	2196.3	2184.7	2178.3
7.5°	2244.1	2223.4	2223.4	2217.0	2226.0	2231.2	2226.0	2233.8	2248.0	2236.3	2229.9
10°	2313.8	2289.2	2290.5	2282.8	2286.7	2284.1	2263.4	2257.0	2260.9	2250.5	2245.4
12.5°	2404.1	2370.5	2370.5	2355.1	2346.0	2318.9	2276.3	2260.9	2263.4	2254.4	2250.5
15°	2490.6	2459.6	2453.1	2422.2	2380.9	2330.5	2291.8	2281.5	2284.1	2275.1	2268.6
17.5°	2592.5	2552.5	2529.3	2472.5	2396.4	2344.7	2306.0	2281.5	2260.9	2240.2	2235.1
20°	2686.7	2636.4	2593.8	2506.0	2413.1	2342.2	2269.9	2209.2	2158.9	2131.8	2125.4
22.5°	2783.5	2719.0	2644.1	2529.3	2411.8	2295.7	2162.8	2071.2	1996.3	1956.3	1964.1
25°	2875.1	2793.8	2691.9	2551.2	2370.5	2192.5	2011.8	1875.0	1789.8	1758.9	1749.8
27.5°	2951.2	2850.6	2735.7	2540.9	2285.4	2044.1	1805.3	1653.1	1570.5	1535.6	1526.6
30°	3036.4	2922.9	2799.0	2493.1	2151.2	1836.3	1571.8	1447.9	1388.5	1355.0	1356.3
32.5°	3134.5	3015.8	2888.0	2401.5	1979.5	1611.8	1379.5	1294.3	1246.6	1213.0	1207.9
35°	3266.1	3148.7	2947.4	2263.4	1761.5	1405.3	1247.9	1178.2	1118.8	1074.9	1065.9
37.5°	3428.7	3348.7	2953.8	2078.9	1527.9	1263.3	1153.7	1078.8	1006.5	948.5	942.0
40°	3707.4	3615.8	2900.9	1847.9	1329.2	1171.7	1074.9	988.5	904.6	840.1	831.0
42.5°	4104.9	3916.5	2787.4	1587.2	1179.5	1099.5	1000.1	890.4	805.2	760.1	753.6
45°	4610.8	4252.0	2617.0	1342.1	1068.5	1028.5	921.4	806.5	761.4	729.1	722.6
47.5°	5230.2	4643.0	2420.9	1151.1	982.0	964.0	841.4	778.1	738.1	711.0	704.6
50°	5970.9	5141.1	2259.6	1001.4	904.6	889.1	815.6	761.4	729.1	707.2	702.0
52.5°	6816.1	5694.7	2180.9	894.3	837.5	822.0	806.5	757.5	730.4	713.6	707.2
55°	7693.6	6278.0	2107.3	811.7	780.7	789.8	807.8	770.4	749.7	727.8	721.4
57.5°	8541.5	6825.2	1926.6	747.2	739.4	774.3	814.3	783.3	758.8	736.8	729.1
60°	9126.0	7124.5	1620.8	695.5	708.5	754.9	797.5	763.9	733.0	723.9	720.1
62.5°	9283.5	7088.4	1258.2	642.6	671.0	712.3	753.6	731.7	699.4	713.6	714.9
65°	8915.7	6701.3	944.6	591.0	622.0	656.8	708.5	699.4	687.8	726.5	727.8
67.5°	7874.3	5750.2	720.1	545.9	571.7	614.3	694.3	731.7	734.3	783.3	778.1
70°	5958.0	4295.9	563.9	503.3	533.0	614.3	739.4	756.2	725.2	770.4	760.1
72.5°	4119.1	2835.1	480.0	465.9	485.2	585.9	738.1	738.1	704.6	704.6	685.2
75°	2559.0	1667.3	418.1	418.1	418.1	512.3	717.5	680.1	620.7	593.6	578.1
77.5°	1263.3	810.4	351.0	363.9	349.7	428.4	585.9	556.2	520.0	491.7	481.3
80°	539.4	405.2	283.9	298.1	281.3	322.6	464.6	458.1	423.3	385.8	374.2
82.5°	247.8	209.1	227.1	233.6	205.2	242.6	339.4	339.4	320.0	268.4	249.1
85°	105.8	111.0	157.4	157.4	129.0	136.8	182.0	172.9	154.9	126.5	116.1
87.5°	36.1	54.2	80.0	69.7	27.1	11.6	6.5	2.6	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)