

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: P635388

Luminaire Tested: GWS-SA3D-760-U-RW-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635388  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-760-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

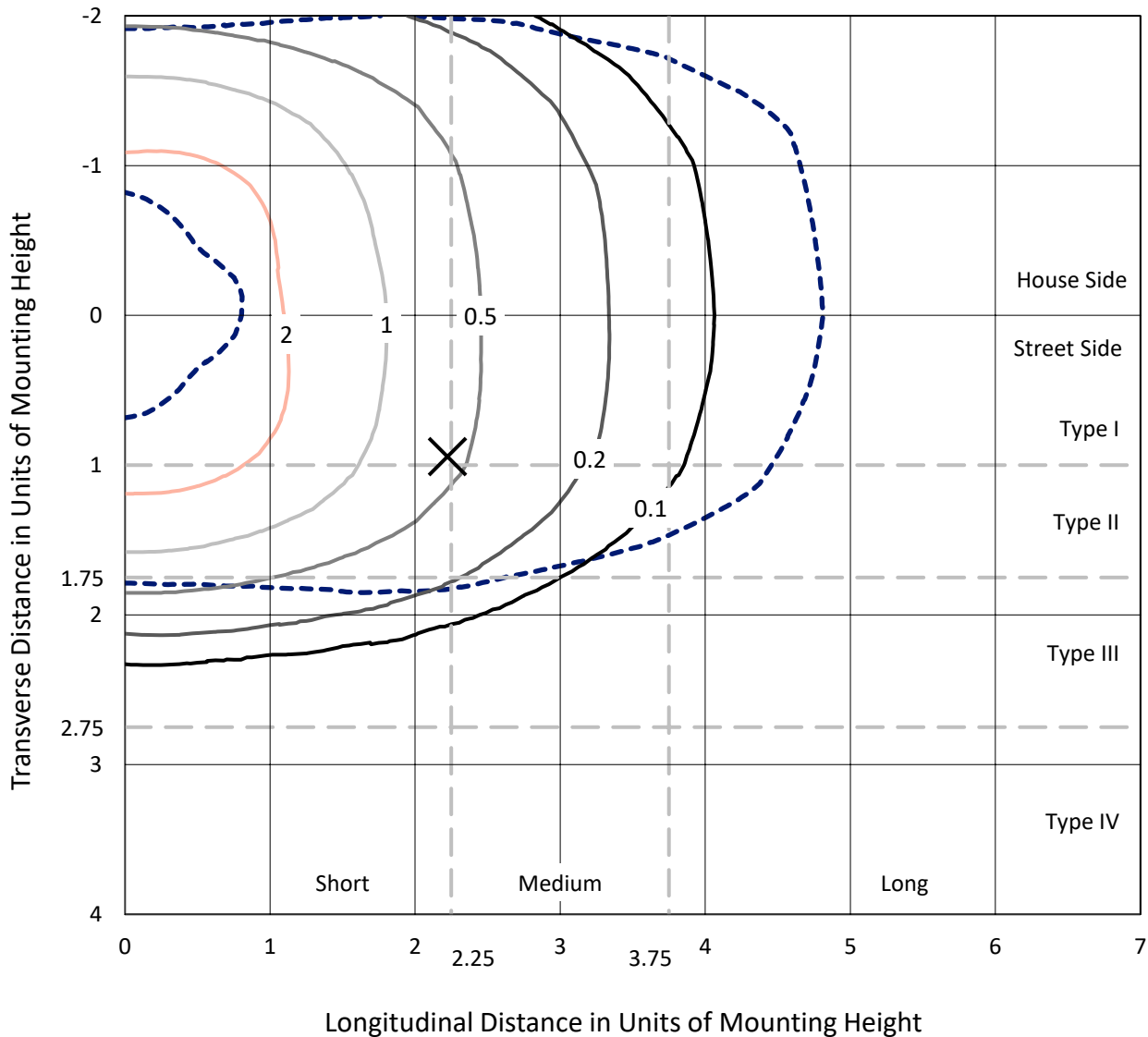
Lumens per Lamp: N/A  
Luminaire Lumens: 18277.2 lumens  
Efficiency: N/A  
Efficacy: 151.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

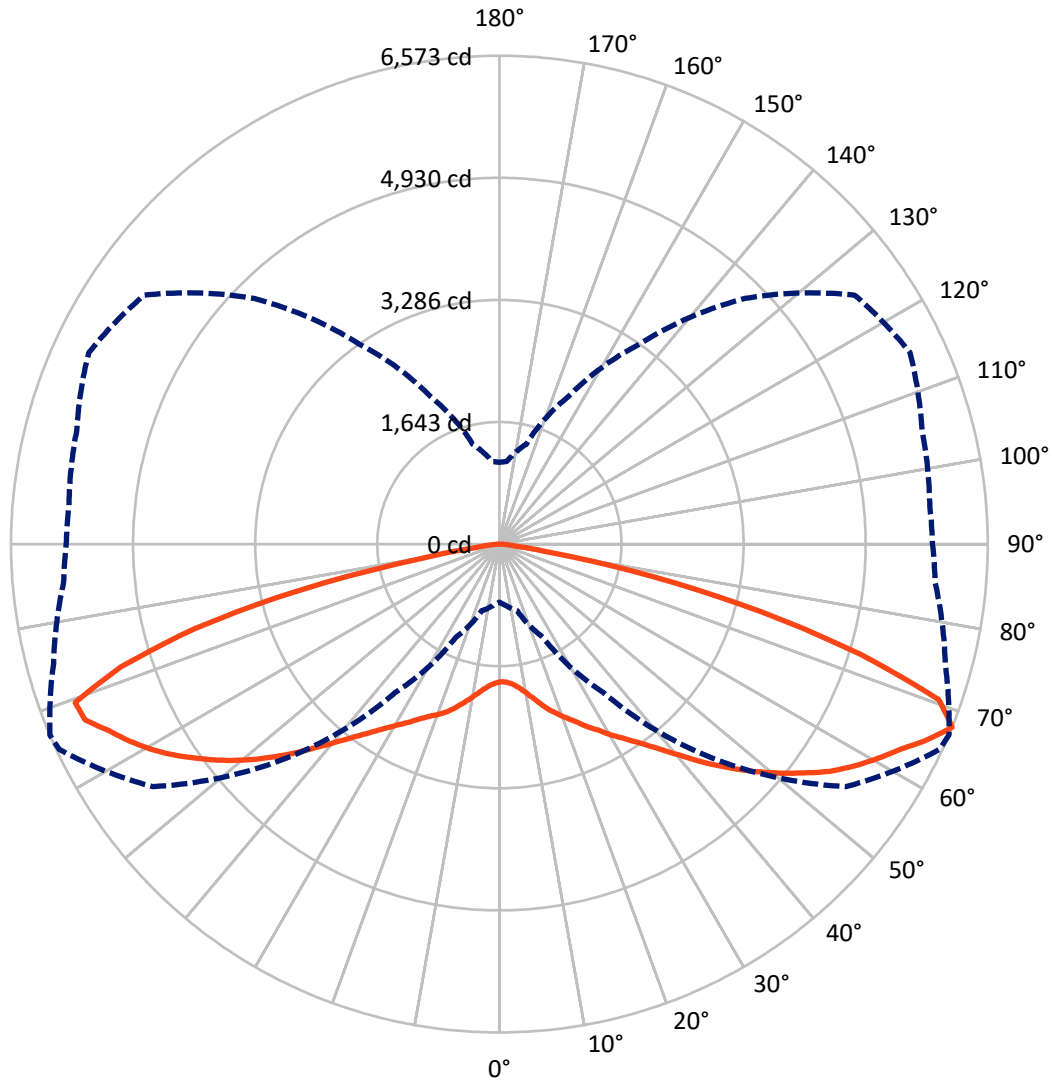
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9037.7	0.0	9037.7
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	9239.5	0.0	9239.5
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	18277.2	0.0	18277.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.6	1.0
10°-20°	613.4	3.4
20°-30°	1203.5	6.6
30°-40°	2050.4	11.2
40°-50°	3292.6	18.0
50°-60°	4473.9	24.5
60°-70°	4279.6	23.4
70°-80°	2034.7	11.1
80°-90°	147.4	0.8
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°	18277.2	100.0
0°-180°	18277.2	100.0

**Coefficient of Utilization**



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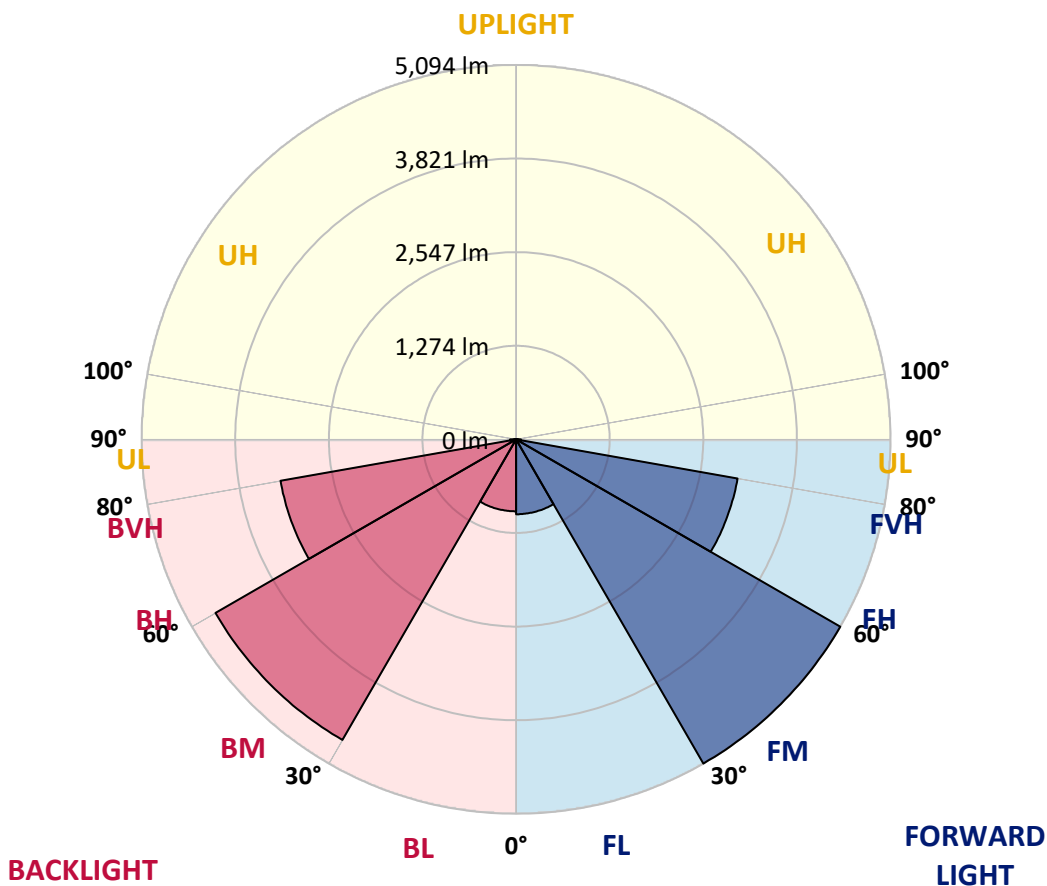
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1019.1	5.6			
FM (30°-60°)	5094.0	27.9			
FH (60°-80°)	3060.1	16.7			G2/5000
FVH (80°-90°)	66.3	0.4			G1/100
BL (0°-30°)	979.4	5.4	B2/1000		
BM (30°-60°)	4722.9	25.8	B3/5000		
BH (60°-80°)	3254.2	17.8	B4/5000		G4/5000
BVH (80°-90°)	81.2	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1850.7	1850.7	1850.7	1850.7	1850.7	1850.7	1850.7	1850.7	1850.7	1850.7	1850.7
2.5°	1812.5	1815.0	1818.8	1826.5	1834.1	1845.6	1857.0	1855.8	1860.9	1864.7	1868.5
5°	1802.3	1804.8	1811.2	1821.4	1832.8	1851.9	1876.1	1886.3	1893.9	1907.9	1920.7
7.5°	1823.9	1829.0	1837.9	1851.9	1869.8	1893.9	1927.0	1944.9	1956.3	1981.8	2003.4
10°	1853.2	1859.6	1877.4	1904.1	1930.9	1967.8	2009.8	2036.5	2044.1	2077.2	2118.0
12.5°	1881.2	1888.9	1918.1	1966.5	2014.9	2064.5	2114.1	2147.2	2149.8	2194.3	2240.1
15°	1925.8	1932.1	1971.6	2034.0	2107.8	2176.5	2237.6	2260.5	2270.7	2302.5	2359.8
17.5°	2023.8	2031.4	2082.3	2149.8	2227.4	2300.0	2361.1	2380.2	2380.2	2406.9	2454.0
20°	2129.4	2137.1	2204.5	2291.1	2385.2	2459.1	2506.2	2488.3	2482.0	2489.6	2522.7
22.5°	2247.8	2261.8	2326.7	2427.3	2543.1	2633.4	2657.6	2604.2	2586.4	2568.5	2576.2
25°	2399.3	2415.8	2479.4	2586.4	2699.6	2795.1	2809.1	2726.4	2716.2	2653.8	2630.9
27.5°	2573.6	2586.4	2665.3	2770.9	2876.6	2956.7	2972.0	2870.2	2835.8	2749.3	2695.8
30°	2798.9	2810.4	2879.1	2983.5	3075.1	3131.1	3150.2	3010.2	2983.5	2851.1	2768.4
32.5°	3044.6	3049.7	3119.7	3220.2	3301.7	3355.1	3328.4	3165.5	3126.0	2977.1	2863.8
35°	3325.9	3325.9	3416.2	3497.7	3562.6	3577.9	3527.0	3341.1	3295.3	3133.7	2992.4
37.5°	3602.1	3609.7	3693.7	3790.4	3847.7	3845.2	3752.2	3548.6	3496.4	3320.8	3164.2
40°	3901.2	3917.7	4001.7	4109.9	4164.6	4157.0	4014.4	3787.9	3734.4	3527.0	3374.2
42.5°	4176.1	4202.8	4300.8	4411.6	4471.4	4466.3	4317.4	4062.8	4010.6	3776.4	3623.7
45°	4395.0	4423.0	4545.2	4699.2	4794.7	4785.8	4635.6	4347.9	4284.3	4038.6	3870.6
47.5°	4587.2	4616.5	4752.7	4915.6	5067.1	5082.3	4944.9	4635.6	4568.1	4319.9	4130.3
50°	4734.9	4748.9	4901.6	5079.8	5255.4	5340.7	5221.1	4924.5	4843.0	4597.4	4383.6
52.5°	4723.4	4742.5	4930.9	5172.7	5408.2	5548.2	5465.5	5196.9	5118.0	4850.7	4641.9
55°	4490.5	4509.6	4733.6	5086.2	5493.5	5699.7	5690.7	5456.5	5399.3	5109.1	4910.5
57.5°	4150.6	4192.6	4415.4	4796.0	5381.4	5820.6	5856.2	5693.3	5633.5	5362.4	5176.5
60°	3542.2	3598.2	3855.3	4349.2	5022.5	5779.8	6033.1	5893.1	5856.2	5597.8	5417.1
62.5°	2573.6	2614.4	2956.7	3604.6	4490.5	5489.6	6182.0	6099.3	6071.3	5809.1	5634.7
65°	1541.4	1634.3	1909.2	2549.4	3622.4	4942.3	6100.6	6369.2	6339.9	6026.8	5820.6
67.5°	780.2	822.2	930.4	1382.3	2436.2	4089.5	5692.0	6537.2	6572.8	6212.6	5886.8
70°	483.7	495.1	525.7	682.2	1216.8	2686.9	4654.7	6099.3	6273.7	6183.3	5714.9
72.5°	388.2	390.8	395.8	425.1	584.2	1256.3	2942.7	4776.9	5091.2	5774.7	5469.3
75°	322.0	323.3	324.6	333.5	364.0	512.9	1431.9	3282.6	3650.4	4908.0	5070.9
77.5°	258.4	252.0	257.1	260.9	268.6	286.4	493.9	1751.4	2124.3	3221.5	3921.5
80°	168.0	165.5	175.6	179.5	187.1	198.6	263.5	594.4	721.7	1172.3	1247.4
82.5°	90.4	85.3	106.9	103.1	106.9	115.8	155.3	217.7	244.4	353.8	299.1
85°	28.0	28.0	29.3	34.4	42.0	40.7	67.5	106.9	118.4	151.5	112.0
87.5°	5.1	5.1	5.1	5.1	5.1	6.4	14.0	21.6	29.3	52.2	39.5
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°	1850.7	1850.7	1850.7	1850.7	1850.7	1850.7	1850.7	1850.7	1850.7	1850.7	1850.7
2.5°	1876.1	1864.7	1871.0	1874.9	1873.6	1871.0	1858.3	1855.8	1849.4	1839.2	1836.7
5°	1932.1	1919.4	1920.7	1916.9	1904.1	1887.6	1859.6	1845.6	1834.1	1821.4	1820.1
7.5°	2020.0	2006.0	2002.1	1984.3	1948.7	1910.5	1865.9	1840.5	1821.4	1804.8	1802.3
10°	2132.0	2118.0	2105.2	2063.2	2004.7	1953.8	1895.2	1858.3	1830.3	1809.9	1806.1
12.5°	2256.7	2245.2	2213.4	2152.3	2082.3	2022.5	1962.7	1916.9	1876.1	1845.6	1841.8
15°	2395.4	2370.0	2321.6	2242.7	2176.5	2128.1	2055.6	1993.2	1928.3	1887.6	1878.7
17.5°	2492.2	2470.5	2413.3	2336.9	2284.7	2242.7	2157.4	2068.3	1980.5	1920.7	1907.9
20°	2560.9	2538.0	2473.1	2417.1	2400.5	2364.9	2265.6	2162.5	2060.7	1986.9	1970.3
22.5°	2610.5	2586.4	2520.2	2492.2	2515.1	2508.7	2412.0	2294.9	2174.0	2086.1	2065.8
25°	2657.6	2634.7	2576.2	2586.4	2647.4	2666.5	2562.2	2426.0	2288.5	2185.4	2161.2
27.5°	2702.2	2672.9	2646.2	2702.2	2788.7	2824.4	2713.6	2559.6	2410.7	2305.1	2286.0
30°	2770.9	2736.5	2732.7	2814.2	2951.7	2982.2	2860.0	2706.0	2558.4	2451.4	2427.3
32.5°	2857.5	2825.6	2828.2	2950.4	3109.5	3134.9	3030.6	2886.7	2739.1	2632.2	2599.1
35°	2974.6	2935.1	2956.7	3106.9	3267.3	3314.4	3230.4	3110.8	2966.9	2857.5	2820.6
37.5°	3136.2	3078.9	3123.5	3281.3	3443.0	3513.0	3448.0	3359.0	3216.4	3105.7	3071.3
40°	3342.4	3295.3	3313.1	3487.5	3654.2	3738.2	3697.5	3609.7	3468.4	3352.6	3313.1
42.5°	3586.8	3539.7	3533.3	3719.2	3885.9	4013.2	3973.7	3893.5	3747.2	3614.8	3576.6
45°	3826.1	3782.8	3791.7	3981.4	4168.5	4307.2	4267.7	4173.5	4014.4	3861.7	3831.2
47.5°	4075.5	4039.9	4047.5	4248.6	4454.8	4593.6	4543.9	4429.4	4243.6	4080.6	4043.7
50°	4331.4	4290.6	4302.1	4513.4	4736.1	4867.2	4790.9	4621.6	4416.7	4257.6	4225.7
52.5°	4585.9	4537.6	4566.8	4766.7	4997.1	5101.4	4960.1	4755.2	4556.7	4398.8	4363.2
55°	4878.7	4827.8	4796.0	5009.8	5237.6	5280.9	5087.4	4848.1	4612.7	4433.2	4411.6
57.5°	5146.0	5102.7	5042.9	5256.7	5424.7	5392.9	5185.4	4822.7	4476.5	4246.1	4215.6
60°	5385.3	5348.4	5296.2	5478.2	5554.6	5483.3	5106.5	4521.0	4140.5	3899.9	3885.9
62.5°	5605.5	5566.0	5517.6	5672.9	5662.7	5497.3	4747.6	4057.7	3548.6	3290.2	3267.3
65°	5779.8	5744.2	5730.2	5852.4	5835.8	5223.6	4188.8	3299.1	2592.7	2301.2	2292.3
67.5°	5829.5	5815.5	5890.6	6098.0	5839.7	4673.8	3285.1	2188.0	1392.5	1116.3	1099.7
70°	5643.6	5642.4	5857.5	6154.0	5310.2	3570.2	1938.5	986.4	700.0	621.1	610.9
72.5°	5401.8	5398.0	5568.6	5308.9	3938.1	1953.8	815.9	528.2	437.8	416.2	416.2
75°	5004.7	4994.5	5123.1	4038.6	2214.7	735.7	432.8	362.8	343.7	339.8	339.8
77.5°	4079.4	3994.1	3791.7	2496.0	772.6	361.5	286.4	285.1	273.7	272.4	272.4
80°	1341.5	1341.5	1559.2	952.1	341.1	222.7	202.4	212.6	201.1	193.5	192.2
82.5°	218.9	301.7	428.9	272.4	184.6	138.7	124.7	132.4	138.7	110.7	110.7
85°	86.6	113.3	165.5	127.3	85.3	56.0	59.8	66.2	58.5	50.9	49.6
87.5°	33.1	40.7	58.5	30.5	17.8	10.2	6.4	6.4	5.1	5.1	5.1
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)