

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: P635058

Luminaire Tested: GWS-SA3D-722-U-RW-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635058  
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-722-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

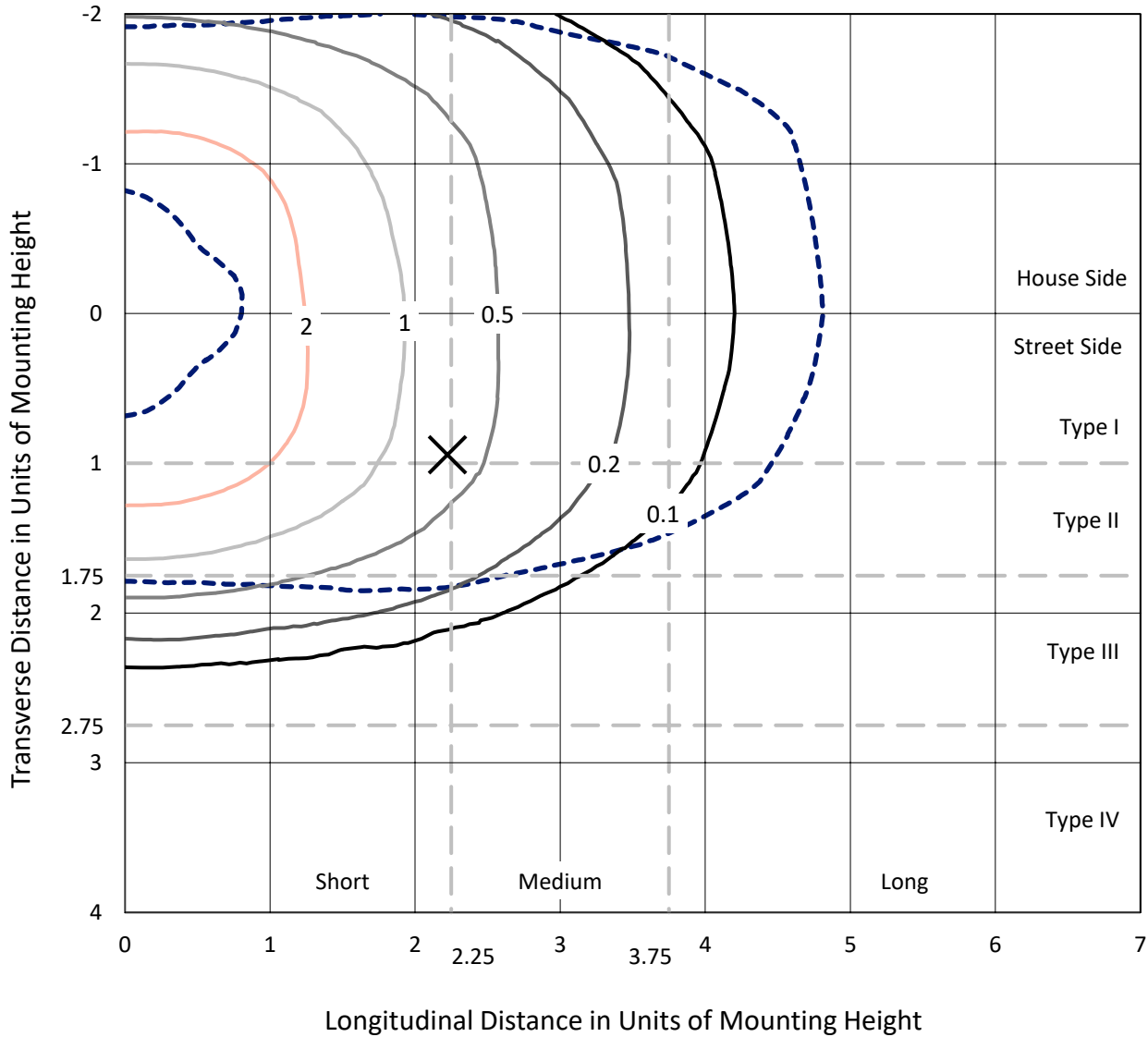
Lumens per Lamp: N/A  
Luminaire Lumens: 13344.2 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

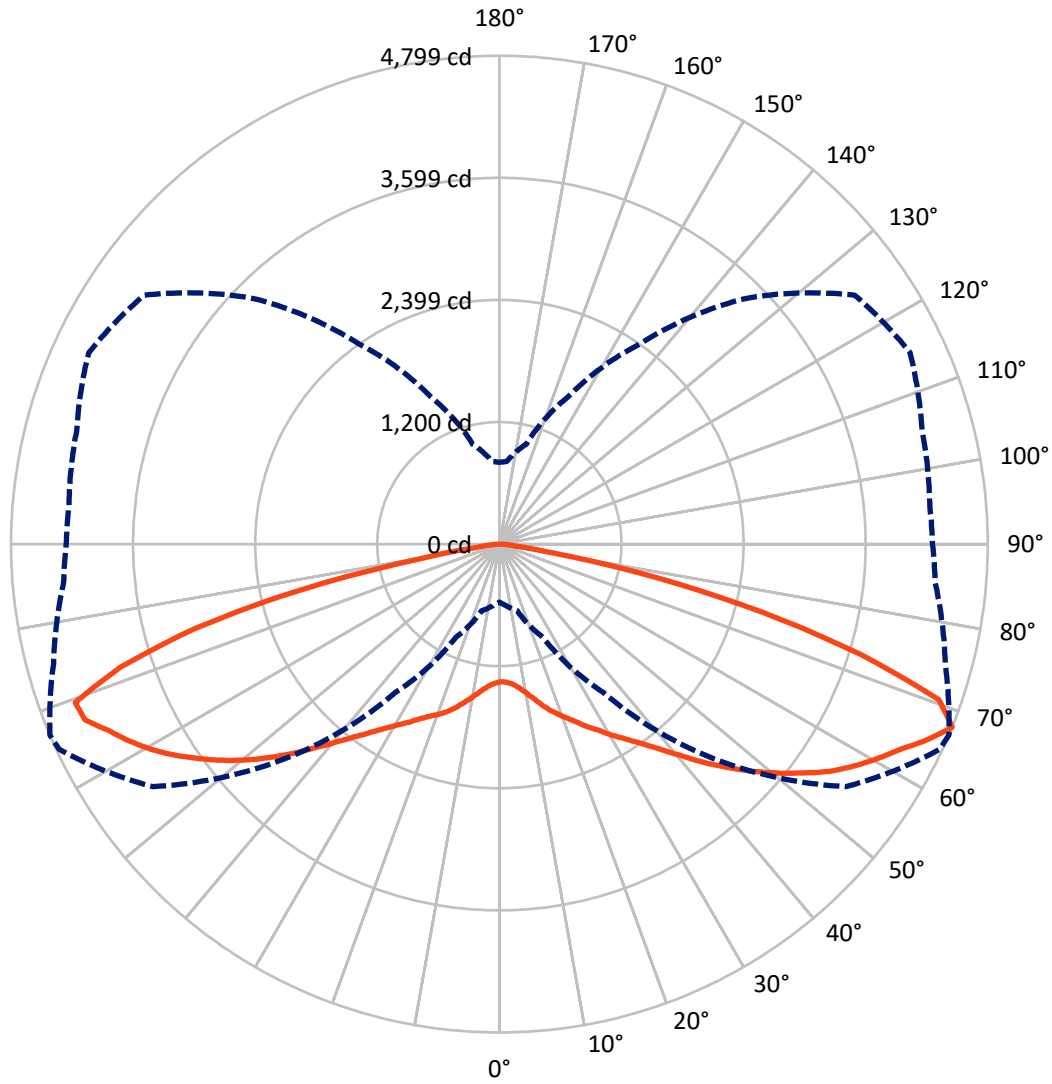
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 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	6598.5	0.0	6598.5
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	6745.7	0.0	6745.7
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	13344.2	0.0	13344.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.6	1.0
10°-20°	447.9	3.4
20°-30°	878.7	6.6
30°-40°	1497.0	11.2
40°-50°	2403.9	18.0
50°-60°	3266.4	24.5
60°-70°	3124.5	23.4
70°-80°	1485.5	11.1
80°-90°	107.6	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°	13344.2	100.0
0°-180°	13344.2	100.0

**Coefficient of Utilization**



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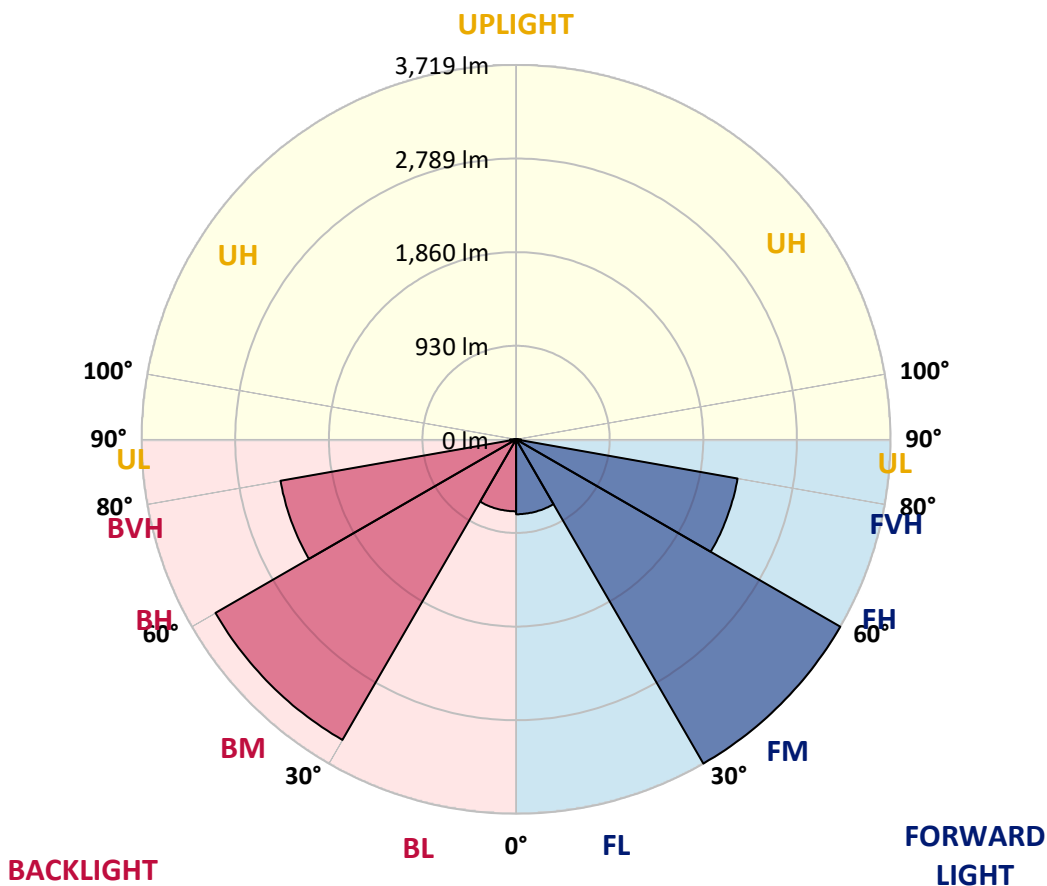
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	744.0	5.6			
FM (30°-60°)	3719.1	27.9			
FH (60°-80°)	2234.2	16.7			G2/5000
FVH (80°-90°)	48.4	0.4			G1/100
BL (0°-30°)	715.1	5.4	B2/1000		
BM (30°-60°)	3448.2	25.8	B3/5000		
BH (60°-80°)	2375.9	17.8	B3/2500		G3/2500
BVH (80°-90°)	59.3	0.4			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°	65°	67°	75°	85°
0°	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2
2.5°	1323.3	1325.2	1327.9	1333.5	1339.1	1347.5	1355.8	1354.9	1358.6	1361.4	1364.2
5°	1315.9	1317.7	1322.4	1329.8	1338.2	1352.1	1369.8	1377.2	1382.8	1393.0	1402.3
7.5°	1331.7	1335.4	1341.9	1352.1	1365.1	1382.8	1406.9	1419.9	1428.3	1446.9	1462.7
10°	1353.0	1357.7	1370.7	1390.2	1409.7	1436.7	1467.3	1486.8	1492.4	1516.6	1546.3
12.5°	1373.5	1379.1	1400.4	1435.7	1471.1	1507.3	1543.5	1567.7	1569.6	1602.1	1635.5
15°	1406.0	1410.6	1439.5	1485.0	1538.9	1589.1	1633.7	1650.4	1657.8	1681.1	1722.9
17.5°	1477.6	1483.1	1520.3	1569.6	1626.2	1679.2	1723.8	1737.8	1737.8	1757.3	1791.7
20°	1554.7	1560.3	1609.5	1672.7	1741.5	1795.4	1829.8	1816.7	1812.1	1817.7	1841.8
22.5°	1641.1	1651.3	1698.7	1772.1	1856.7	1922.7	1940.3	1901.3	1888.3	1875.3	1880.9
25°	1751.7	1763.8	1810.2	1888.3	1971.0	2040.7	2050.9	1990.5	1983.1	1937.6	1920.8
27.5°	1879.0	1888.3	1945.9	2023.0	2100.2	2158.7	2169.9	2095.5	2070.4	2007.2	1968.2
30°	2043.5	2051.9	2102.0	2178.2	2245.1	2286.0	2300.0	2197.7	2178.2	2081.6	2021.2
32.5°	2222.8	2226.6	2277.7	2351.1	2410.6	2449.6	2430.1	2311.1	2282.3	2173.6	2090.9
35°	2428.2	2428.2	2494.2	2553.7	2601.1	2612.2	2575.0	2439.4	2405.9	2287.9	2184.7
37.5°	2629.9	2635.4	2696.8	2767.4	2809.2	2807.4	2739.5	2590.8	2552.7	2424.5	2310.2
40°	2848.2	2860.3	2921.7	3000.6	3040.6	3035.0	2931.0	2765.5	2726.5	2575.0	2463.5
42.5°	3049.0	3068.5	3140.0	3220.9	3264.6	3260.8	3152.1	2966.3	2928.2	2757.2	2645.7
45°	3208.8	3229.3	3318.5	3430.9	3500.6	3494.1	3384.4	3174.4	3128.0	2948.6	2825.9
47.5°	3349.1	3370.5	3469.9	3588.9	3699.5	3710.6	3610.3	3384.4	3335.2	3154.0	3015.5
50°	3456.9	3467.1	3578.7	3708.8	3837.0	3899.3	3811.9	3595.4	3535.9	3356.6	3200.4
52.5°	3448.6	3462.5	3600.0	3776.6	3948.5	4050.7	3990.3	3794.3	3736.6	3541.5	3389.1
55°	3278.5	3292.4	3456.0	3713.4	4010.8	4161.3	4154.8	3983.8	3942.0	3730.1	3585.2
57.5°	3030.4	3061.1	3223.7	3501.5	3929.0	4249.6	4275.6	4156.7	4113.0	3915.1	3779.4
60°	2586.2	2627.1	2814.8	3175.4	3666.9	4219.9	4404.8	4302.6	4275.6	4087.0	3955.0
62.5°	1879.0	1908.7	2158.7	2631.7	3278.5	4008.0	4513.5	4453.1	4432.7	4241.2	4113.9
65°	1125.4	1193.2	1393.9	1861.3	2644.7	3608.4	4454.0	4650.1	4628.7	4400.1	4249.6
67.5°	569.6	600.3	679.3	1009.2	1778.6	2985.8	4155.7	4772.8	4798.8	4535.8	4297.9
70°	353.1	361.5	383.8	498.1	888.4	1961.7	3398.4	4453.1	4580.4	4514.4	4172.5
72.5°	283.4	285.3	289.0	310.4	426.5	917.2	2148.5	3487.6	3717.1	4216.1	3993.1
75°	235.1	236.0	237.0	243.5	265.8	374.5	1045.4	2396.6	2665.2	3583.3	3702.3
77.5°	188.6	184.0	187.7	190.5	196.1	209.1	360.6	1278.7	1551.0	2352.0	2863.1
80°	122.7	120.8	128.2	131.0	136.6	145.0	192.4	434.0	526.9	855.9	910.7
82.5°	66.0	62.3	78.1	75.3	78.1	84.6	113.4	158.9	178.4	258.3	218.4
85°	20.4	20.4	21.4	25.1	30.7	29.7	49.3	78.1	86.4	110.6	81.8
87.5°	3.7	3.7	3.7	3.7	3.7	4.6	10.2	15.8	21.4	38.1	28.8
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°	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2	1351.2
2.5°	1369.8	1361.4	1366.0	1368.8	1367.9	1366.0	1356.8	1354.9	1350.2	1342.8	1341.0
5°	1410.6	1401.4	1402.3	1399.5	1390.2	1378.1	1357.7	1347.5	1339.1	1329.8	1328.9
7.5°	1474.8	1464.5	1461.8	1448.7	1422.7	1394.9	1362.3	1343.7	1329.8	1317.7	1315.9
10°	1556.5	1546.3	1537.0	1506.4	1463.6	1426.4	1383.7	1356.8	1336.3	1321.4	1318.6
12.5°	1647.6	1639.3	1616.0	1571.4	1520.3	1476.6	1433.0	1399.5	1369.8	1347.5	1344.7
15°	1748.9	1730.3	1695.0	1637.4	1589.1	1553.8	1500.8	1455.3	1407.9	1378.1	1371.6
17.5°	1819.5	1803.7	1761.9	1706.2	1668.1	1637.4	1575.1	1510.1	1446.0	1402.3	1393.0
20°	1869.7	1853.0	1805.6	1764.7	1752.6	1726.6	1654.1	1578.8	1504.5	1450.6	1438.5
22.5°	1906.0	1888.3	1840.0	1819.5	1836.3	1831.6	1761.0	1675.5	1587.2	1523.1	1508.2
25°	1940.3	1923.6	1880.9	1888.3	1932.9	1946.8	1870.6	1771.2	1670.8	1595.6	1577.9
27.5°	1972.9	1951.5	1932.0	1972.9	2036.1	2062.1	1981.2	1868.8	1760.1	1682.9	1669.0
30°	2023.0	1998.0	1995.2	2054.6	2155.0	2177.3	2088.1	1975.7	1867.9	1789.8	1772.1
32.5°	2086.2	2063.0	2064.9	2154.1	2270.2	2288.8	2212.6	2107.6	1999.8	1921.8	1897.6
35°	2171.7	2142.9	2158.7	2268.4	2385.5	2419.8	2358.5	2271.2	2166.2	2086.2	2059.3
37.5°	2289.7	2247.9	2280.5	2395.7	2513.7	2564.8	2517.4	2452.4	2348.3	2267.4	2242.4
40°	2440.3	2405.9	2418.9	2546.2	2668.0	2729.3	2699.6	2635.4	2532.3	2447.7	2418.9
42.5°	2618.7	2584.3	2579.7	2715.4	2837.1	2930.0	2901.2	2842.7	2735.8	2639.2	2611.3
45°	2793.4	2761.8	2768.3	2906.8	3043.4	3144.7	3115.9	3047.1	2931.0	2819.4	2797.1
47.5°	2975.6	2949.5	2955.1	3101.9	3252.5	3353.8	3317.5	3233.9	3098.2	2979.3	2952.3
50°	3162.3	3132.6	3141.0	3295.2	3457.9	3553.6	3497.8	3374.2	3224.6	3108.4	3085.2
52.5°	3348.2	3312.9	3334.3	3480.2	3648.4	3724.6	3621.4	3471.8	3326.8	3211.6	3185.6
55°	3561.9	3524.8	3501.5	3657.7	3824.0	3855.6	3714.3	3539.6	3367.7	3236.7	3220.9
57.5°	3757.1	3725.5	3681.8	3837.9	3960.6	3937.4	3785.9	3521.0	3268.3	3100.1	3077.8
60°	3931.8	3904.8	3866.7	3999.6	4055.4	4003.3	3728.3	3300.8	3023.0	2847.3	2837.1
62.5°	4092.6	4063.7	4028.4	4141.8	4134.4	4013.6	3466.2	2962.5	2590.8	2402.2	2385.5
65°	4219.9	4193.8	4183.6	4272.8	4260.8	3813.8	3058.3	2408.7	1892.9	1680.1	1673.6
67.5°	4256.1	4245.9	4300.7	4452.2	4263.5	3412.3	2398.5	1597.4	1016.6	815.0	802.9
70°	4120.4	4119.5	4276.6	4493.1	3877.0	2606.6	1415.3	720.2	511.1	453.5	446.1
72.5°	3943.9	3941.1	4065.6	3876.0	2875.2	1426.4	595.7	385.7	319.7	303.9	303.9
75°	3653.9	3646.5	3740.4	2948.6	1616.9	537.1	316.0	264.8	250.9	248.1	248.1
77.5°	2978.3	2916.1	2768.3	1822.3	564.1	263.9	209.1	208.2	199.8	198.9	198.9
80°	979.5	979.5	1138.4	695.1	249.0	162.6	147.8	155.2	146.8	141.3	140.3
82.5°	159.8	220.2	313.2	198.9	134.7	101.3	91.1	96.6	101.3	80.8	80.8
85°	63.2	82.7	120.8	92.9	62.3	40.9	43.7	48.3	42.7	37.2	36.2
87.5°	24.2	29.7	42.7	22.3	13.0	7.4	4.6	4.6	3.7	3.7	3.7
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)