

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: P636708

Luminaire Tested: GWS-SA4B-735-U-RW-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636708  
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-SA4B-735-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (64) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14696 lumens  
Efficiency: N/A  
Efficacy: 155.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 94.4  
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

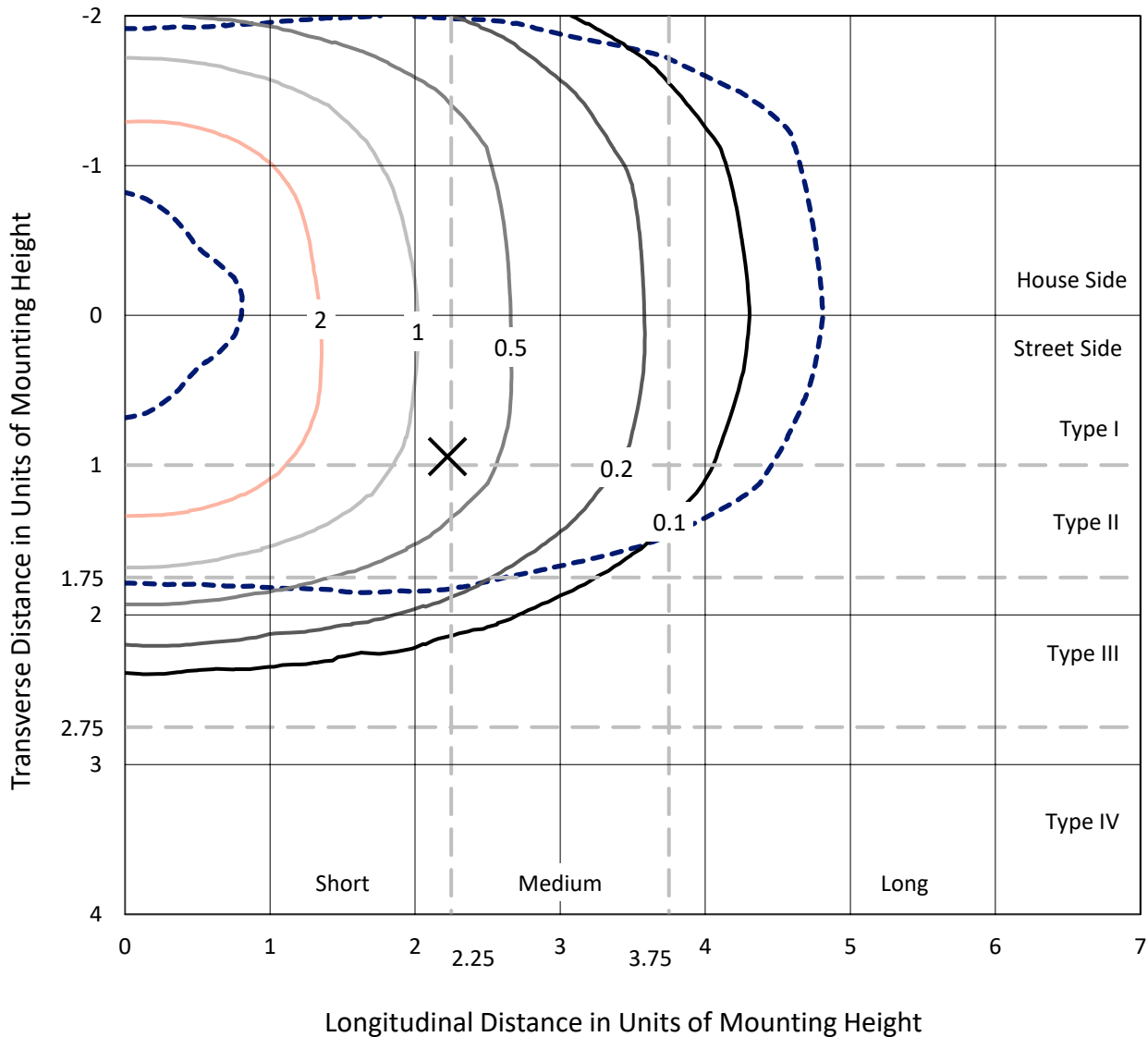


REPORT NUMBER: P636708

CATALOG NUMBER: GWS-SA4B-735-U-RW-W

### Iso-Footcandle Lines of Horizontal Illumination

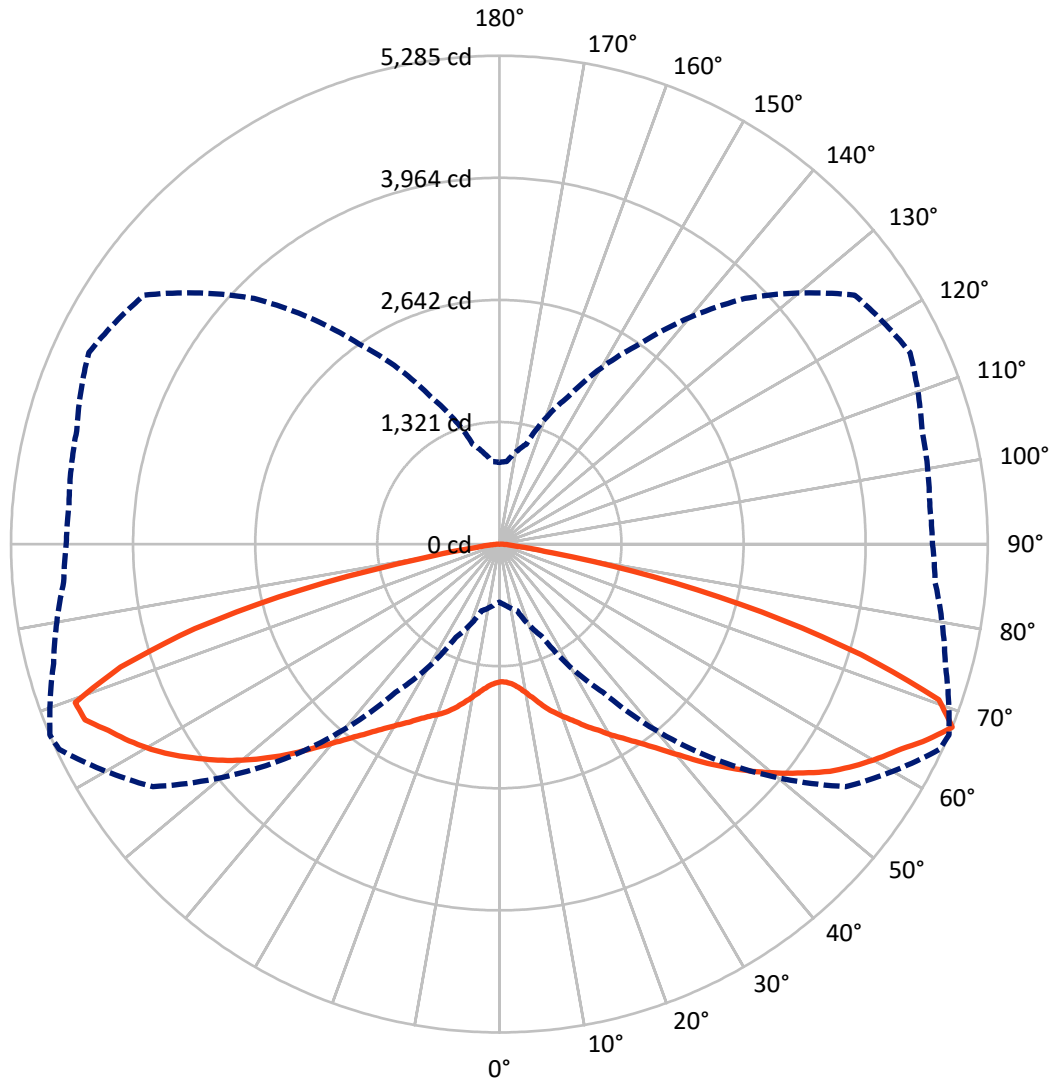
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P636708  
CATALOG NUMBER: GWS-SA4B-735-U-RW-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P636708

CATALOG NUMBER: GWS-SA4B-735-U-RW-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7266.9	0.0	7266.9
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	7429.1	0.0	7429.1
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	14696.0	0.0	14696.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.0	1.0
10°-20°	493.2	3.4
20°-30°	967.7	6.6
30°-40°	1648.7	11.2
40°-50°	2647.4	18.0
50°-60°	3597.3	24.5
60°-70°	3441.1	23.4
70°-80°	1636.0	11.1
80°-90°	118.6	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°	14696.0	100.0
0°-180°	14696.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636708

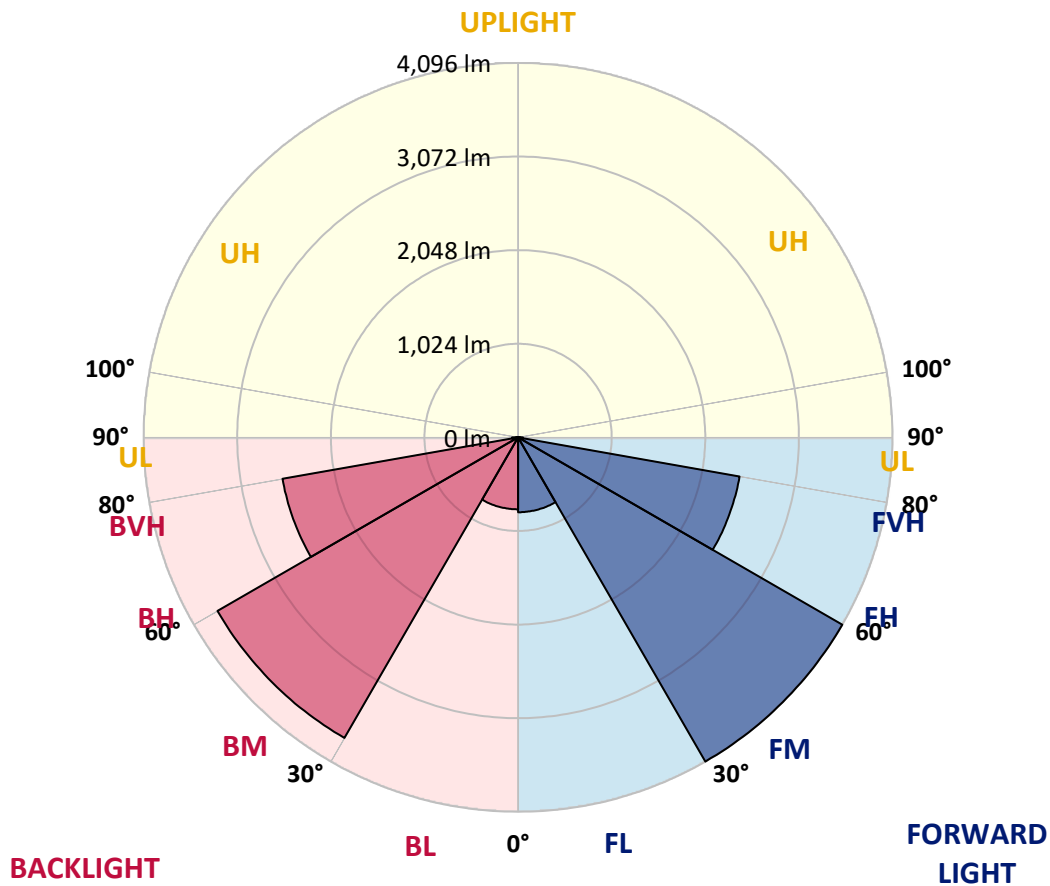
CATALOG NUMBER: GWS-SA4B-735-U-RW-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	819.4	5.6			
FM (30°-60°)	4095.9	27.9			
FH (60°-80°)	2460.5	16.7			G2/5000
FVH (80°-90°)	53.3	0.4			G1/100
BL (0°-30°)	787.5	5.4	B2/1000		
BM (30°-60°)	3797.5	25.8	B3/5000		
BH (60°-80°)	2616.6	17.8	B4/5000		G4/5000
BVH (80°-90°)	65.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Short





REPORT NUMBER: P636708  
 CATALOG NUMBER: GWS-SA4B-735-U-RW-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1488.1	1488.1	1488.1	1488.1	1488.1	1488.1	1488.1	1488.1	1488.1	1488.1	1488.1
2.5°	1457.3	1459.4	1462.5	1468.6	1474.7	1484.0	1493.2	1492.1	1496.2	1499.3	1502.4
5°	1449.2	1451.2	1456.3	1464.5	1473.7	1489.1	1508.5	1516.7	1522.8	1534.1	1544.3
7.5°	1466.6	1470.7	1477.8	1489.1	1503.4	1522.8	1549.5	1563.8	1573.0	1593.5	1610.9
10°	1490.1	1495.2	1509.5	1531.0	1552.5	1582.2	1616.0	1637.5	1643.6	1670.2	1703.0
12.5°	1512.6	1518.8	1542.3	1581.2	1620.1	1660.0	1699.9	1726.5	1728.6	1764.4	1801.2
15°	1548.4	1553.6	1585.3	1635.4	1694.8	1750.0	1799.2	1817.6	1825.8	1851.4	1897.4
17.5°	1627.2	1633.4	1674.3	1728.6	1791.0	1849.3	1898.4	1913.8	1913.8	1935.3	1973.2
20°	1712.2	1718.3	1772.6	1842.2	1917.9	1977.2	2015.1	2000.8	1995.7	2001.8	2028.4
22.5°	1807.4	1818.6	1870.8	1951.7	2044.8	2117.5	2136.9	2093.9	2079.6	2065.3	2071.4
25°	1929.1	1942.5	1993.6	2079.6	2170.7	2247.4	2258.7	2192.2	2184.0	2133.8	2115.4
27.5°	2069.4	2079.6	2143.0	2228.0	2312.9	2377.4	2389.7	2307.8	2280.2	2210.6	2167.6
30°	2250.5	2259.7	2315.0	2398.9	2472.6	2517.6	2533.0	2420.4	2398.9	2292.5	2225.9
32.5°	2448.0	2452.1	2508.4	2589.3	2654.8	2697.7	2676.2	2545.2	2513.5	2393.8	2302.7
35°	2674.2	2674.2	2746.9	2812.4	2864.6	2876.8	2835.9	2686.5	2649.6	2519.7	2406.1
37.5°	2896.3	2902.4	2970.0	3047.7	3093.8	3091.8	3017.0	2853.3	2811.3	2670.1	2544.2
40°	3136.8	3150.1	3217.6	3304.6	3348.6	3342.5	3227.9	3045.7	3002.7	2835.9	2713.1
42.5°	3357.8	3379.3	3458.1	3547.2	3595.3	3591.2	3471.4	3266.8	3224.8	3036.5	2913.7
45°	3533.9	3556.4	3654.6	3778.5	3855.2	3848.1	3727.3	3496.0	3444.8	3247.3	3112.2
47.5°	3688.4	3711.9	3821.4	3952.4	4074.2	4086.5	3976.0	3727.3	3673.1	3473.5	3321.0
50°	3807.1	3818.4	3941.2	4084.5	4225.7	4294.3	4198.1	3959.6	3894.1	3696.6	3524.7
52.5°	3797.9	3813.3	3964.7	4159.2	4348.5	4461.1	4394.6	4178.6	4115.2	3900.3	3732.4
55°	3610.6	3626.0	3806.1	4089.6	4417.1	4582.9	4575.7	4387.4	4341.3	4108.0	3948.4
57.5°	3337.4	3371.1	3550.2	3856.2	4327.0	4680.1	4708.8	4577.8	4529.7	4311.7	4162.2
60°	2848.2	2893.2	3099.9	3497.0	4038.4	4647.3	4851.0	4738.4	4708.8	4501.0	4355.7
62.5°	2069.4	2102.1	2377.4	2898.3	3610.6	4414.0	4970.7	4904.2	4881.7	4670.9	4530.7
65°	1239.4	1314.1	1535.1	2049.9	2912.7	3973.9	4905.2	5121.2	5097.7	4845.9	4680.1
67.5°	627.4	661.1	748.1	1111.4	1958.8	3288.2	4576.7	5256.3	5284.9	4995.3	4733.3
70°	388.9	398.1	422.7	548.6	978.4	2160.4	3742.6	4904.2	5044.4	4971.8	4595.2
72.5°	312.1	314.2	318.3	341.8	469.7	1010.1	2366.1	3840.9	4093.7	4643.3	4397.6
75°	258.9	259.9	261.0	268.1	292.7	412.4	1151.3	2639.4	2935.2	3946.3	4077.3
77.5°	207.8	202.6	206.7	209.8	215.9	230.3	397.1	1408.2	1708.1	2590.3	3153.2
80°	135.1	133.0	141.2	144.3	150.4	159.7	211.8	477.9	580.3	942.6	1003.0
82.5°	72.7	68.6	86.0	82.9	86.0	93.1	124.9	175.0	196.5	284.5	240.5
85°	22.5	22.5	23.5	27.6	33.8	32.7	54.2	86.0	95.2	121.8	90.1
87.5°	4.1	4.1	4.1	4.1	4.1	5.1	11.3	17.4	23.5	42.0	31.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636708  
 CATALOG NUMBER: GWS-SA4B-735-U-RW-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1488.1	1488.1	1488.1	1488.1	1488.1	1488.1	1488.1	1488.1	1488.1	1488.1	1488.1
2.5°	1508.5	1499.3	1504.4	1507.5	1506.5	1504.4	1494.2	1492.1	1487.0	1478.8	1476.8
5°	1553.6	1543.3	1544.3	1541.3	1531.0	1517.7	1495.2	1484.0	1474.7	1464.5	1463.5
7.5°	1624.2	1612.9	1609.8	1595.5	1566.9	1536.2	1500.3	1479.9	1464.5	1451.2	1449.2
10°	1714.2	1703.0	1692.7	1659.0	1611.9	1570.9	1523.9	1494.2	1471.7	1455.3	1452.2
12.5°	1814.5	1805.3	1779.7	1730.6	1674.3	1626.2	1578.1	1541.3	1508.5	1484.0	1480.9
15°	1926.1	1905.6	1866.7	1803.3	1750.0	1711.2	1652.8	1602.7	1550.5	1517.7	1510.6
17.5°	2003.9	1986.5	1940.4	1879.0	1837.0	1803.3	1734.7	1663.1	1592.4	1544.3	1534.1
20°	2059.1	2040.7	1988.5	1943.5	1930.2	1901.5	1821.7	1738.8	1656.9	1597.6	1584.3
22.5°	2099.0	2079.6	2026.4	2003.9	2022.3	2017.2	1939.4	1845.2	1748.0	1677.4	1661.0
25°	2136.9	2118.5	2071.4	2079.6	2128.7	2144.1	2060.1	1950.6	1840.1	1757.2	1737.8
27.5°	2172.7	2149.2	2127.7	2172.7	2242.3	2271.0	2181.9	2058.1	1938.4	1853.4	1838.1
30°	2228.0	2200.4	2197.3	2262.8	2373.3	2397.9	2299.6	2175.8	2057.1	1971.1	1951.7
32.5°	2297.6	2272.0	2274.0	2372.3	2500.2	2520.7	2436.8	2321.1	2202.4	2116.4	2089.8
35°	2391.7	2360.0	2377.4	2498.2	2627.1	2665.0	2597.4	2501.2	2385.6	2297.6	2267.9
37.5°	2521.7	2475.7	2511.5	2638.4	2768.3	2824.6	2772.4	2700.8	2586.2	2497.1	2469.5
40°	2687.5	2649.6	2664.0	2804.2	2938.2	3005.8	2973.0	2902.4	2788.8	2695.7	2664.0
42.5°	2884.0	2846.1	2841.0	2990.4	3124.5	3226.8	3195.1	3130.6	3012.9	2906.5	2875.8
45°	3076.4	3041.6	3048.8	3201.3	3351.7	3463.3	3431.5	3355.8	3227.9	3105.1	3080.5
47.5°	3277.0	3248.3	3254.5	3416.2	3582.0	3693.5	3653.6	3561.5	3412.1	3281.1	3251.4
50°	3482.7	3449.9	3459.2	3629.0	3808.1	3913.6	3852.2	3716.0	3551.3	3423.3	3397.8
52.5°	3687.4	3648.5	3672.0	3832.7	4017.9	4101.9	3988.3	3823.5	3663.8	3536.9	3508.3
55°	3922.8	3881.8	3856.2	4028.2	4211.4	4246.2	4090.6	3898.2	3708.9	3564.6	3547.2
57.5°	4137.7	4102.9	4054.8	4226.7	4361.8	4336.2	4169.4	3877.7	3599.4	3414.1	3389.6
60°	4330.1	4300.4	4258.4	4404.8	4466.2	4408.9	4106.0	3635.2	3329.2	3135.8	3124.5
62.5°	4507.1	4475.4	4436.5	4561.4	4553.2	4420.1	3817.4	3262.7	2853.3	2645.5	2627.1
65°	4647.3	4618.7	4607.4	4705.7	4692.4	4200.1	3368.1	2652.7	2084.7	1850.3	1843.2
67.5°	4687.3	4676.0	4736.4	4903.2	4695.4	3758.0	2641.4	1759.3	1119.6	897.5	884.2
70°	4537.8	4536.8	4709.8	4948.2	4269.7	2870.7	1558.7	793.2	562.9	499.4	491.2
72.5°	4343.4	4340.3	4477.5	4268.7	3166.5	1570.9	656.0	424.7	352.1	334.7	334.7
75°	4024.1	4015.9	4119.3	3247.3	1780.7	591.5	348.0	291.7	276.3	273.3	273.3
77.5°	3280.1	3211.5	3048.8	2006.9	621.2	290.7	230.3	229.2	220.0	219.0	219.0
80°	1078.7	1078.7	1253.7	765.5	274.3	179.1	162.7	170.9	161.7	155.6	154.5
82.5°	176.0	242.6	344.9	219.0	148.4	111.6	100.3	106.4	111.6	89.0	89.0
85°	69.6	91.1	133.0	102.3	68.6	45.0	48.1	53.2	47.1	40.9	39.9
87.5°	26.6	32.7	47.1	24.6	14.3	8.2	5.1	5.1	4.1	4.1	4.1
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)