

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: P641493

Luminaire Tested: GWS-SA6B-722-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641493
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-SA6B-722-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16054.5 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

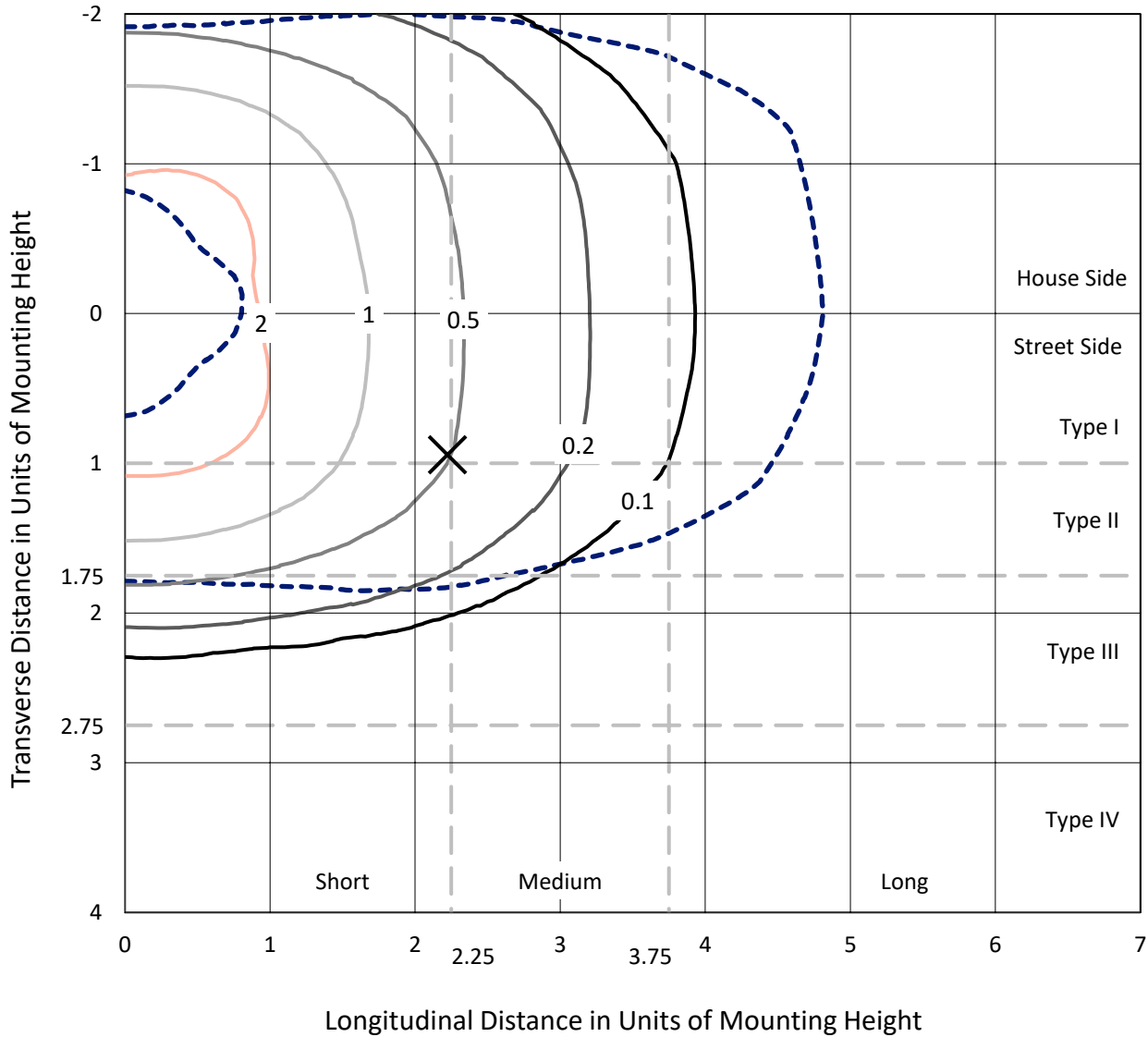
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

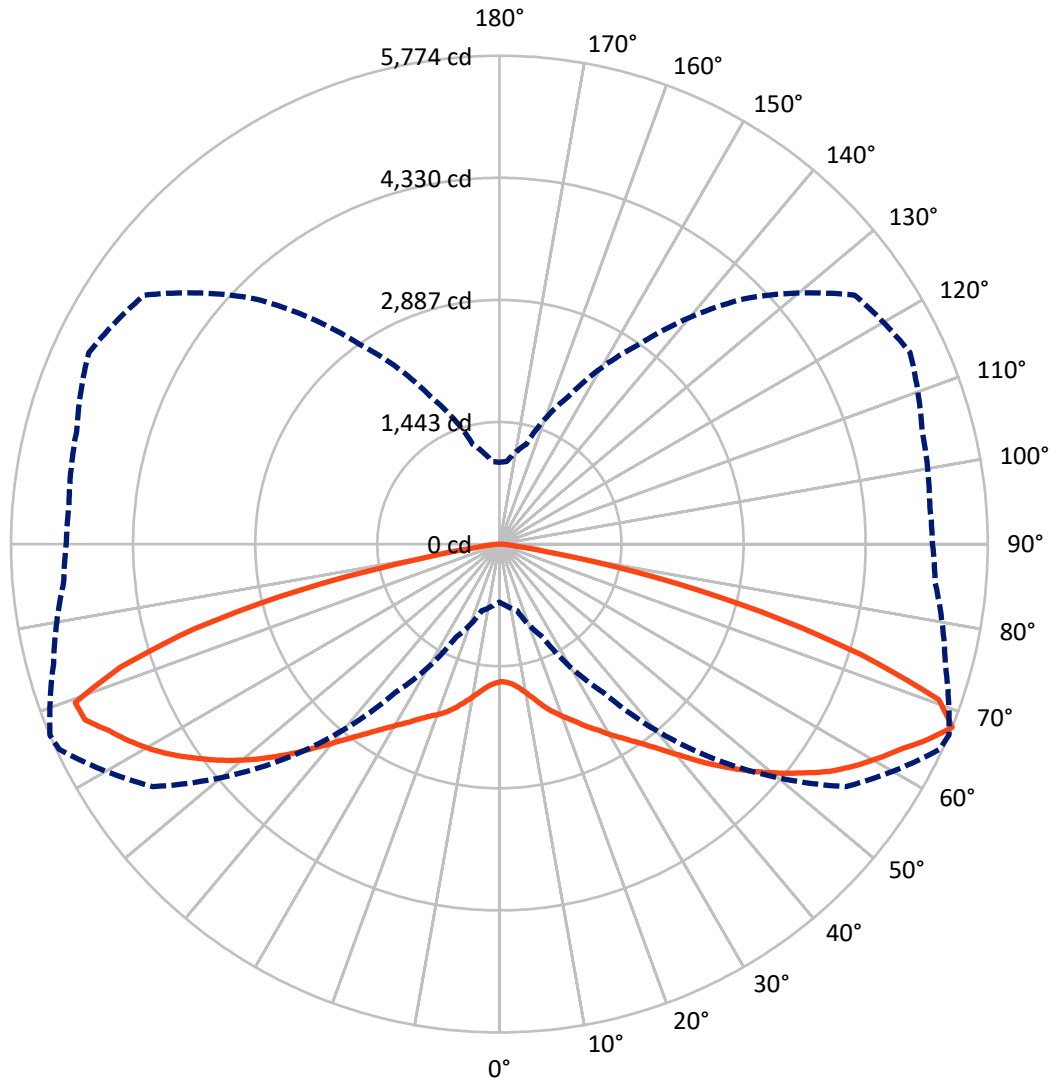
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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
House Side	Lumens	7938.7	0.0	7938.7
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	8115.8	0.0	8115.8
	% Fixture	50.6	0.0	50.6
Total	Lumens	16054.5	0.0	16054.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	1.0
10°-20°	538.8	3.4
20°-30°	1057.2	6.6
30°-40°	1801.1	11.2
40°-50°	2892.2	18.0
50°-60°	3929.8	24.5
60°-70°	3759.2	23.4
70°-80°	1787.2	11.1
80°-90°	129.5	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°	16054.5	100.0
0°-180°	16054.5	100.0

Coefficient of Utilization



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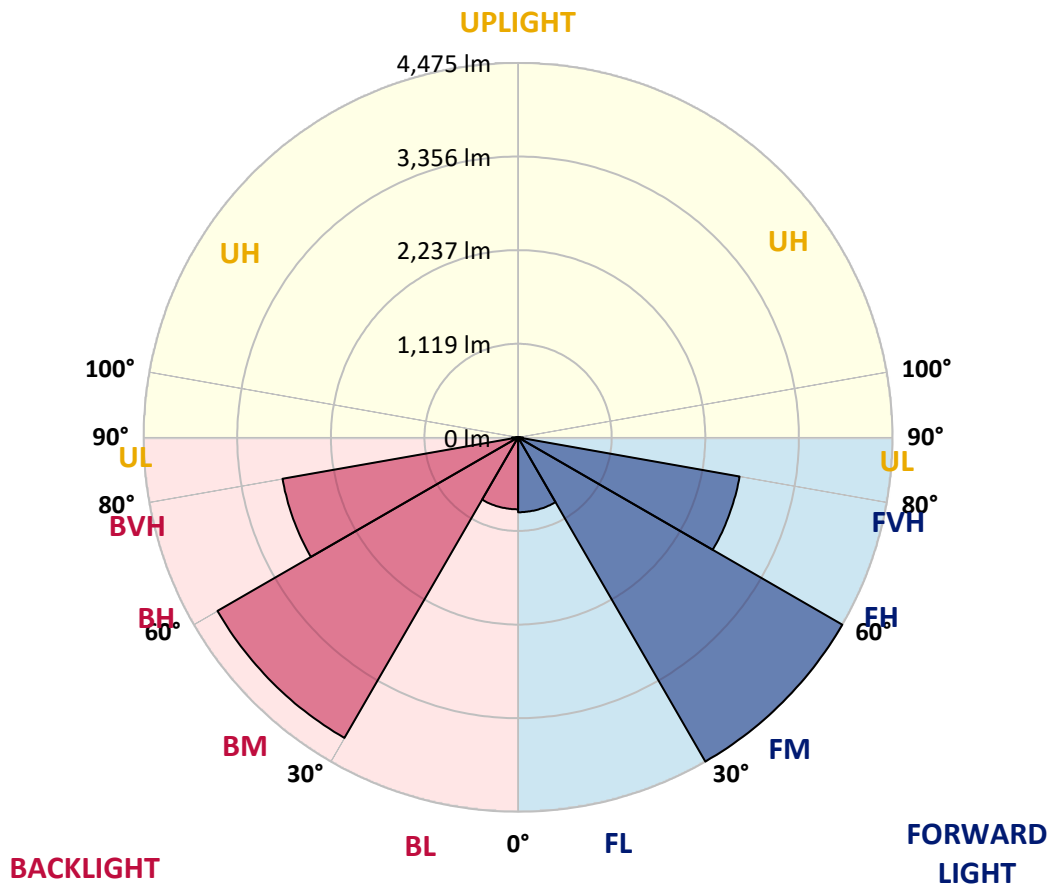
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	895.2	5.6			
FM (30°-60°)	4474.5	27.9			
FH (60°-80°)	2687.9	16.7			G2/5000
FVH (80°-90°)	58.2	0.4			G1/100
BL (0°-30°)	860.3	5.4	B2/1000		
BM (30°-60°)	4148.6	25.8	B3/5000		
BH (60°-80°)	2858.5	17.8	B4/5000		G4/5000
BVH (80°-90°)	71.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1625.6	1625.6	1625.6	1625.6	1625.6	1625.6	1625.6	1625.6	1625.6	1625.6	1625.6
2.5°	1592.1	1594.3	1597.7	1604.4	1611.1	1621.1	1631.2	1630.1	1634.6	1637.9	1641.3
5°	1583.1	1585.4	1590.9	1599.9	1610.0	1626.7	1648.0	1656.9	1663.6	1675.9	1687.1
7.5°	1602.1	1606.6	1614.4	1626.7	1642.4	1663.6	1692.7	1708.3	1718.4	1740.8	1759.8
10°	1627.8	1633.4	1649.1	1672.6	1696.0	1728.5	1765.4	1788.8	1795.5	1824.6	1860.4
12.5°	1652.4	1659.1	1684.9	1727.3	1769.8	1813.4	1857.0	1886.1	1888.3	1927.5	1967.7
15°	1691.6	1697.2	1731.8	1786.6	1851.4	1911.8	1965.5	1985.6	1994.6	2022.5	2072.8
17.5°	1777.7	1784.4	1829.1	1888.3	1956.5	2020.3	2073.9	2090.7	2090.7	2114.2	2155.6
20°	1870.5	1877.2	1936.4	2012.4	2095.2	2160.0	2201.4	2185.7	2180.1	2186.9	2215.9
22.5°	1974.4	1986.7	2043.7	2132.1	2233.8	2313.2	2334.4	2287.5	2271.8	2256.2	2262.9
25°	2107.5	2122.0	2177.9	2271.8	2371.3	2455.2	2467.5	2394.8	2385.9	2331.1	2311.0
27.5°	2260.6	2271.8	2341.1	2433.9	2526.7	2597.2	2610.6	2521.1	2491.0	2414.9	2368.0
30°	2458.5	2468.6	2529.0	2620.6	2701.1	2750.3	2767.1	2644.1	2620.6	2504.4	2431.7
32.5°	2674.3	2678.8	2740.3	2828.6	2900.2	2947.1	2923.6	2780.5	2745.9	2615.1	2515.6
35°	2921.4	2921.4	3000.8	3072.3	3129.4	3142.8	3098.0	2934.8	2894.6	2752.6	2628.5
37.5°	3164.0	3170.7	3244.5	3329.5	3379.8	3377.6	3295.9	3117.1	3071.2	2916.9	2779.4
40°	3426.7	3441.3	3515.1	3610.1	3658.2	3651.5	3526.2	3327.2	3280.3	3098.0	2963.9
42.5°	3668.2	3691.7	3777.8	3875.1	3927.6	3923.1	3792.3	3568.7	3522.9	3317.2	3183.0
45°	3860.5	3885.1	3992.5	4127.7	4211.6	4203.8	4071.8	3819.2	3763.3	3547.5	3399.9
47.5°	4029.4	4055.1	4174.7	4317.8	4450.9	4464.3	4343.5	4071.8	4012.6	3794.6	3628.0
50°	4159.1	4171.3	4305.5	4462.0	4616.3	4691.2	4586.1	4325.6	4254.1	4038.3	3850.5
52.5°	4149.0	4165.8	4331.2	4543.7	4750.5	4873.5	4800.8	4564.9	4495.6	4260.8	4077.4
55°	3944.4	3961.2	4157.9	4467.6	4825.4	5006.5	4998.7	4793.0	4742.7	4487.8	4313.3
57.5°	3645.9	3682.8	3878.4	4212.7	4727.0	5112.7	5144.0	5000.9	4948.4	4710.2	4547.0
60°	3111.5	3160.7	3386.5	3820.3	4411.7	5076.9	5299.4	5176.5	5144.0	4917.1	4758.3
62.5°	2260.6	2296.4	2597.2	3166.2	3944.4	4822.0	5430.2	5357.6	5333.0	5102.7	4949.5
65°	1353.9	1435.5	1677.0	2239.4	3181.9	4341.3	5358.7	5594.6	5568.9	5293.8	5112.7
67.5°	685.3	722.2	817.3	1214.2	2139.9	3592.2	4999.8	5742.2	5773.5	5457.1	5170.9
70°	424.8	434.9	461.7	599.3	1068.8	2360.1	4088.6	5357.6	5510.7	5431.4	5019.9
72.5°	341.0	343.2	347.7	373.4	513.2	1103.5	2584.9	4195.9	4472.1	5072.5	4804.2
75°	282.9	284.0	285.1	292.9	319.8	450.6	1257.8	2883.4	3206.5	4311.1	4454.2
77.5°	227.0	221.4	225.8	229.2	235.9	251.6	433.8	1538.4	1866.0	2829.7	3444.6
80°	147.6	145.3	154.3	157.6	164.3	174.4	231.4	522.1	633.9	1029.7	1095.7
82.5°	79.4	74.9	93.9	90.6	93.9	101.7	136.4	191.2	214.7	310.8	262.7
85°	24.6	24.6	25.7	30.2	36.9	35.8	59.3	93.9	104.0	133.0	98.4
87.5°	4.5	4.5	4.5	4.5	4.5	5.6	12.3	19.0	25.7	45.8	34.7
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°	1625.6	1625.6	1625.6	1625.6	1625.6	1625.6	1625.6	1625.6	1625.6	1625.6	1625.6
2.5°	1648.0	1637.9	1643.5	1646.9	1645.7	1643.5	1632.3	1630.1	1624.5	1615.5	1613.3
5°	1697.2	1686.0	1687.1	1683.7	1672.6	1658.0	1633.4	1621.1	1611.1	1599.9	1598.8
7.5°	1774.3	1762.0	1758.7	1743.0	1711.7	1678.2	1639.0	1616.7	1599.9	1585.4	1583.1
10°	1872.7	1860.4	1849.2	1812.3	1760.9	1716.2	1664.7	1632.3	1607.7	1589.8	1586.5
12.5°	1982.3	1972.2	1944.2	1890.6	1829.1	1776.5	1724.0	1683.7	1648.0	1621.1	1617.8
15°	2104.1	2081.8	2039.3	1970.0	1911.8	1869.3	1805.6	1750.8	1693.8	1658.0	1650.2
17.5°	2189.1	2170.1	2119.8	2052.7	2006.9	1970.0	1895.1	1816.8	1739.6	1687.1	1675.9
20°	2249.5	2229.3	2172.3	2123.1	2108.6	2077.3	1990.1	1899.5	1810.1	1745.2	1730.7
22.5°	2293.1	2271.8	2213.7	2189.1	2209.2	2203.6	2118.7	2015.8	1909.6	1832.4	1814.6
25°	2334.4	2314.3	2262.9	2271.8	2325.5	2342.3	2250.6	2131.0	2010.2	1919.6	1898.4
27.5°	2373.6	2347.9	2324.4	2373.6	2449.6	2480.9	2383.6	2248.3	2117.5	2024.7	2008.0
30°	2433.9	2403.8	2400.4	2472.0	2592.7	2619.5	2512.2	2376.9	2247.2	2153.3	2132.1
32.5°	2510.0	2482.0	2484.3	2591.6	2731.3	2753.7	2662.0	2535.7	2406.0	2312.1	2283.0
35°	2612.8	2578.2	2597.2	2729.1	2870.0	2911.3	2837.5	2732.5	2606.1	2510.0	2477.5
37.5°	2754.8	2704.5	2743.6	2882.3	3024.3	3085.7	3028.7	2950.5	2825.2	2728.0	2697.8
40°	2935.9	2894.6	2910.2	3063.4	3209.8	3283.6	3247.9	3170.7	3046.6	2944.9	2910.2
42.5°	3150.6	3109.2	3103.6	3266.9	3413.3	3525.1	3490.5	3420.0	3291.5	3175.2	3141.6
45°	3360.8	3322.8	3330.6	3497.2	3661.5	3783.4	3748.7	3666.0	3526.2	3392.1	3365.3
47.5°	3579.9	3548.6	3555.3	3732.0	3913.1	4035.0	3991.3	3890.7	3727.5	3584.4	3552.0
50°	3804.6	3768.9	3778.9	3964.5	4160.2	4275.3	4208.2	4059.5	3879.5	3739.8	3711.8
52.5°	4028.2	3985.8	4011.5	4187.0	4389.4	4481.0	4356.9	4176.9	4002.5	3863.9	3832.6
55°	4285.4	4240.7	4212.7	4400.5	4600.7	4638.7	4468.7	4258.6	4051.7	3894.1	3875.1
57.5°	4520.2	4482.2	4429.6	4617.4	4765.0	4737.1	4554.8	4236.2	3932.1	3729.7	3702.9
60°	4730.4	4697.9	4652.1	4812.0	4879.1	4816.4	4485.5	3971.2	3636.9	3425.6	3413.3
62.5°	4923.8	4889.1	4846.6	4983.0	4974.1	4828.7	4170.2	3564.3	3117.1	2890.1	2870.0
65°	5076.9	5045.6	5033.3	5140.7	5126.1	4588.4	3679.4	2897.9	2277.4	2021.4	2013.6
67.5°	5120.6	5108.3	5174.2	5356.5	5129.5	4105.4	2885.6	1921.9	1223.1	980.5	966.0
70°	4957.3	4956.2	5145.1	5405.6	4664.4	3136.1	1702.8	866.5	614.9	545.6	536.7
72.5°	4744.9	4741.5	4891.4	4663.3	3459.2	1716.2	716.7	464.0	384.6	365.6	365.6
75°	4396.1	4387.1	4500.0	3547.5	1945.4	646.2	380.1	318.6	301.9	298.5	298.5
77.5°	3583.3	3508.4	3330.6	2192.4	678.6	317.5	251.6	250.4	240.4	239.3	239.3
80°	1178.4	1178.4	1369.6	836.3	299.6	195.7	177.8	186.7	176.6	169.9	168.8
82.5°	192.3	265.0	376.8	239.3	162.1	121.9	109.6	116.3	121.9	97.3	97.3
85°	76.0	99.5	145.3	111.8	74.9	49.2	52.5	58.1	51.4	44.7	43.6
87.5°	29.1	35.8	51.4	26.8	15.7	8.9	5.6	5.6	4.5	4.5	4.5
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)