

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: P634924

Luminaire Tested: GWS-SA3C-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634924
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-SA3C-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14083.2 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 93
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

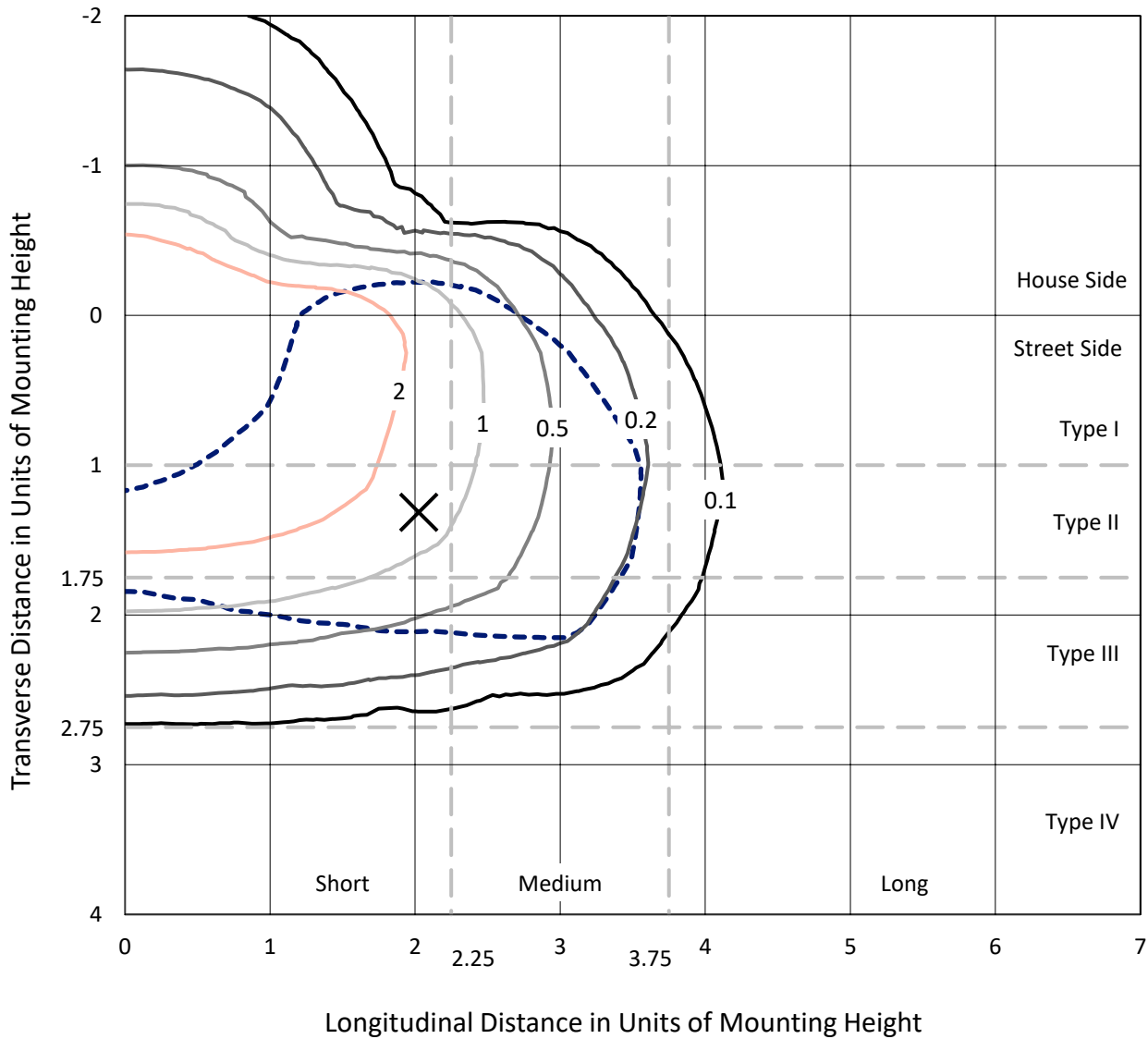


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Iso-Footcandle Lines of Horizontal Illumination

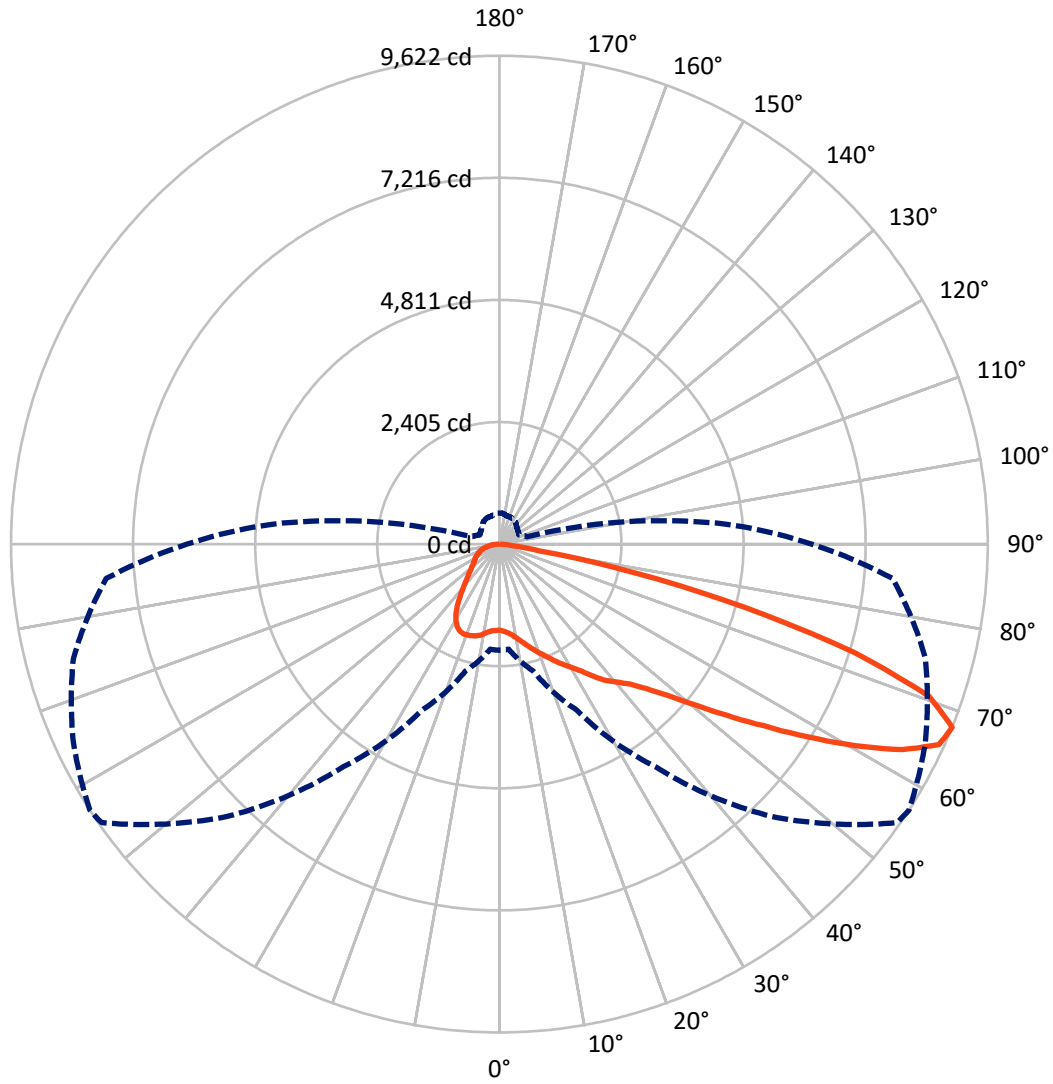
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 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
House Side	Lumens	3096.4	0.0	3096.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	10986.8	0.0	10986.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	14083.2	0.0	14083.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.3	1.2
10°-20°	557.2	4.0
20°-30°	993.3	7.1
30°-40°	1444.1	10.3
40°-50°	2090.2	14.8
50°-60°	3271.0	23.2
60°-70°	3815.9	27.1
70°-80°	1592.9	11.3
80°-90°	150.3	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°	14083.2	100.0
0°-180°	14083.2	100.0

Coefficient of Utilization



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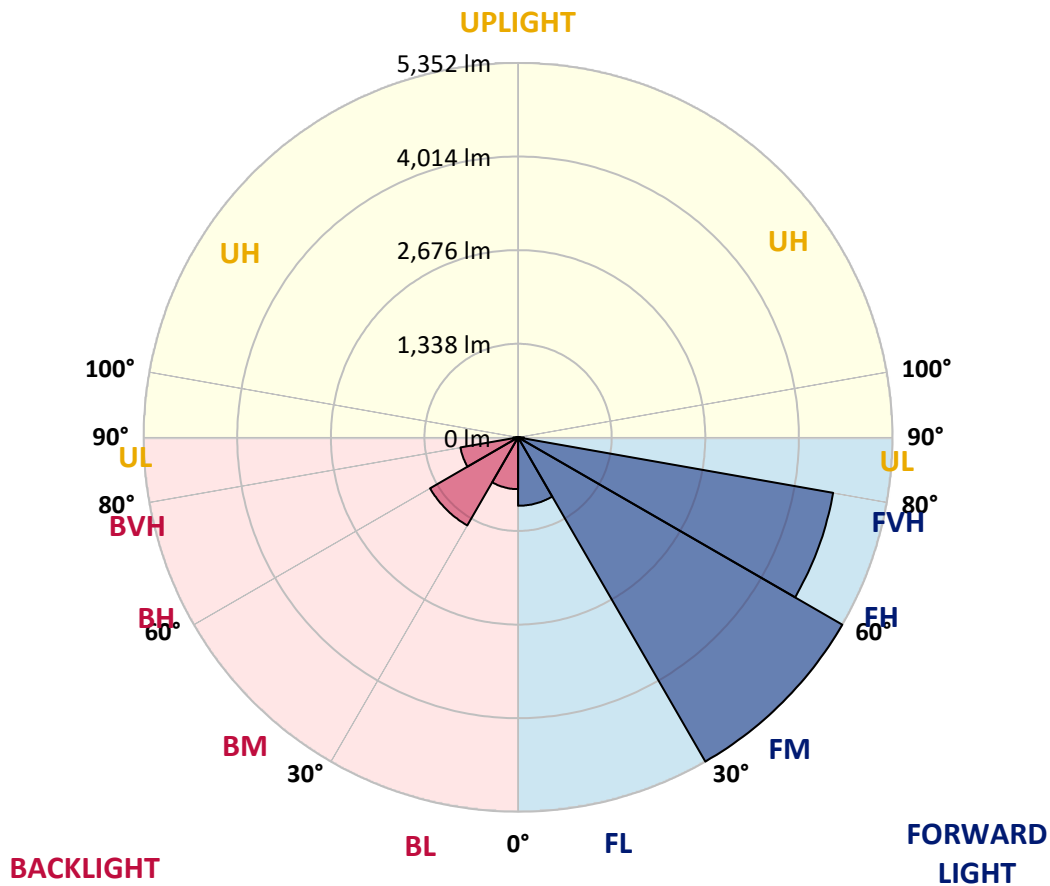
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	978.2	6.9			
FM (30°-60°)	5351.8	38.0			
FH (60°-80°)	4573.1	32.5			G2/5000
FVH (80°-90°)	83.7	0.6			G1/100
BL (0°-30°)	740.6	5.3	B2/1000		
BM (30°-60°)	1453.5	10.3	B2/2500		
BH (60°-80°)	835.7	5.9	B2/1000		G2/1000
BVH (80°-90°)	66.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1696.9	1696.9	1696.9	1696.9	1696.9	1696.9	1696.9	1696.9	1696.9	1696.9	1696.9
2.5°	1721.1	1719.1	1718.1	1724.2	1722.2	1721.1	1721.1	1720.1	1718.1	1710.0	1698.9
5°	1768.6	1764.5	1760.5	1765.5	1761.5	1757.5	1756.5	1754.4	1747.4	1735.3	1718.1
7.5°	1818.0	1814.0	1815.0	1818.0	1815.0	1813.0	1809.9	1807.9	1796.8	1777.6	1754.4
10°	1887.6	1887.6	1889.6	1892.7	1893.7	1890.6	1884.6	1881.6	1868.4	1844.2	1811.9
12.5°	1988.5	1986.5	1986.5	1984.5	1987.5	1984.5	1978.4	1973.4	1957.2	1925.9	1879.5
15°	2121.7	2113.6	2106.5	2093.4	2089.4	2078.3	2080.3	2077.3	2062.1	2019.8	1961.3
17.5°	2263.9	2262.9	2251.8	2225.6	2199.4	2181.2	2185.2	2184.2	2176.1	2118.6	2044.0
20°	2389.0	2394.1	2384.0	2363.8	2328.5	2294.2	2292.2	2297.2	2287.1	2229.6	2125.7
22.5°	2529.3	2525.2	2515.1	2488.9	2462.7	2426.3	2414.2	2410.2	2406.2	2340.6	2209.4
25°	2662.4	2674.5	2661.4	2637.2	2596.8	2557.5	2547.4	2551.4	2540.4	2453.6	2299.2
27.5°	2830.9	2836.0	2827.9	2794.6	2760.3	2704.8	2685.6	2685.6	2681.6	2559.5	2369.9
30°	3010.5	3024.6	3010.5	2983.2	2947.9	2868.2	2826.9	2822.8	2810.7	2668.5	2452.6
32.5°	3191.1	3201.2	3191.1	3164.8	3124.5	3054.9	2995.4	2986.3	2970.1	2787.5	2537.3
35°	3351.5	3360.6	3358.5	3364.6	3331.3	3243.5	3207.2	3203.2	3160.8	2942.9	2652.3
37.5°	3527.0	3538.1	3523.0	3535.1	3522.0	3439.3	3428.2	3408.0	3347.5	3089.2	2773.4
40°	3726.8	3736.9	3712.7	3717.7	3702.6	3656.2	3599.7	3572.4	3482.6	3247.6	2964.1
42.5°	3940.7	3963.9	3975.0	3965.9	3930.6	3904.4	3805.5	3771.2	3696.5	3533.1	3277.8
45°	4250.4	4284.7	4300.8	4277.6	4262.5	4225.2	4104.1	4062.7	4023.4	3935.6	3715.7
47.5°	4584.3	4615.6	4667.1	4677.1	4689.3	4661.0	4490.5	4450.2	4457.2	4447.1	4254.4
50°	4850.7	4876.9	4992.9	5117.0	5219.9	5228.0	5010.1	4966.7	5005.0	5037.3	4903.1
52.5°	5044.4	5067.6	5220.9	5477.2	5710.2	5882.8	5647.7	5598.3	5629.5	5702.2	5640.6
55°	5201.8	5234.0	5394.5	5787.9	6259.1	6531.5	6381.1	6318.6	6305.5	6395.3	6430.6
57.5°	5284.5	5294.6	5519.6	6031.1	6661.6	7168.1	7233.6	7163.0	7037.9	7087.4	7271.0
60°	5095.8	5113.0	5420.7	6093.6	6979.4	7799.6	8128.5	8070.0	7803.7	7830.9	8033.7
62.5°	4574.2	4598.5	4968.7	5796.0	7005.6	8221.3	8954.8	8917.5	8560.3	8413.0	8473.6
65°	3669.3	3677.4	4060.7	5059.5	6484.0	8273.8	9530.9	9521.8	9089.0	8743.9	8484.6
67.5°	2092.4	2078.3	2590.8	3608.8	5351.1	7591.8	9568.2	9621.7	9260.5	8689.5	7778.4
70°	907.0	909.0	1145.1	1780.7	3463.5	6136.0	8887.2	8979.0	8764.1	7782.5	6188.4
72.5°	419.7	425.7	527.6	770.8	1479.0	3806.5	7246.8	7329.5	7144.9	6228.8	4502.6
75°	296.6	301.7	352.1	441.9	680.0	1483.0	4847.6	5021.2	5111.0	4659.0	2967.1
77.5°	225.0	232.0	257.3	306.7	419.7	525.6	2319.4	2733.0	3255.6	2898.5	1528.4
80°	143.3	143.3	170.5	204.8	256.3	273.4	669.9	794.0	1593.0	1194.5	600.3
82.5°	96.9	99.9	116.0	130.1	147.3	155.4	287.5	306.7	460.0	406.6	247.2
85°	51.5	53.5	60.5	59.5	70.6	61.5	121.1	120.1	168.5	184.6	93.8
87.5°	0.0	0.0	1.0	1.0	2.0	3.0	13.1	14.1	35.3	56.5	31.3
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°	1696.9	1696.9	1696.9	1696.9	1696.9	1696.9	1696.9	1696.9	1696.9	1696.9	1696.9
2.5°	1705.0	1692.9	1698.9	1696.9	1703.0	1703.0	1691.9	1688.9	1689.9	1677.8	1673.7
5°	1720.1	1706.0	1709.0	1705.0	1711.1	1716.1	1711.1	1711.1	1717.1	1708.0	1703.0
7.5°	1754.4	1738.3	1738.3	1733.2	1740.3	1744.3	1740.3	1746.4	1757.5	1748.4	1743.3
10°	1808.9	1789.7	1790.8	1784.7	1787.7	1785.7	1769.6	1764.5	1767.6	1759.5	1755.4
12.5°	1879.5	1853.3	1853.3	1841.2	1834.1	1813.0	1779.7	1767.6	1769.6	1762.5	1759.5
15°	1947.1	1922.9	1917.9	1893.7	1861.4	1822.0	1791.8	1783.7	1785.7	1778.6	1773.6
17.5°	2026.8	1995.6	1977.4	1933.0	1873.5	1833.1	1802.9	1783.7	1767.6	1751.4	1747.4
20°	2100.5	2061.1	2027.8	1959.2	1886.6	1831.1	1774.6	1727.2	1687.8	1666.7	1661.6
22.5°	2176.1	2125.7	2067.2	1977.4	1885.6	1794.8	1690.9	1619.2	1560.7	1529.5	1535.5
25°	2247.8	2184.2	2104.5	1994.5	1853.3	1714.1	1572.8	1465.9	1399.3	1375.1	1368.0
27.5°	2307.3	2228.6	2138.8	1986.5	1786.7	1598.1	1411.4	1292.4	1227.8	1200.6	1193.5
30°	2373.9	2285.1	2188.3	1949.1	1681.8	1435.6	1228.8	1132.0	1085.6	1059.3	1060.3
32.5°	2450.6	2357.7	2257.9	1877.5	1547.6	1260.1	1078.5	1011.9	974.6	948.3	944.3
35°	2553.5	2461.7	2304.3	1769.6	1377.1	1098.7	975.6	921.1	874.7	840.4	833.3
37.5°	2680.6	2618.0	2309.3	1625.3	1194.5	987.7	901.9	843.4	786.9	741.5	736.5
40°	2898.5	2826.9	2268.0	1444.7	1039.1	916.1	840.4	772.8	707.2	656.8	649.7
42.5°	3209.2	3061.9	2179.2	1240.9	922.1	859.6	781.9	696.1	629.5	594.2	589.2
45°	3604.7	3324.2	2046.0	1049.2	835.3	804.1	720.3	630.5	595.2	570.0	565.0
47.5°	4089.0	3629.9	1892.7	899.9	767.8	753.6	657.8	608.4	577.1	555.9	550.8
50°	4668.1	4019.4	1766.5	782.9	707.2	695.1	637.6	595.2	570.0	552.9	548.8
52.5°	5328.9	4452.2	1705.0	699.2	654.8	642.7	630.5	592.2	571.0	557.9	552.9
55°	6014.9	4908.2	1647.5	634.6	610.4	617.4	631.6	602.3	586.2	569.0	564.0
57.5°	6677.8	5335.9	1506.3	584.1	578.1	605.3	636.6	612.4	593.2	576.1	570.0
60°	7134.8	5570.0	1267.1	543.8	553.9	590.2	623.5	597.3	573.0	566.0	563.0
62.5°	7257.9	5541.8	983.7	502.4	524.6	556.9	589.2	572.0	546.8	557.9	558.9
65°	6970.3	5239.1	738.5	462.1	486.3	513.5	553.9	546.8	537.7	568.0	569.0
67.5°	6156.2	4495.6	563.0	426.8	446.9	480.2	542.8	572.0	574.1	612.4	608.4
70°	4658.0	3358.5	440.9	393.5	416.7	480.2	578.1	591.2	567.0	602.3	594.2
72.5°	3220.3	2216.5	375.3	364.2	379.3	458.0	577.1	577.1	550.8	550.8	535.7
75°	2000.6	1303.5	326.9	326.9	326.9	400.5	560.9	531.7	485.3	464.1	452.0
77.5°	987.7	633.6	274.4	284.5	273.4	334.9	458.0	434.8	406.6	384.4	376.3
80°	421.7	316.8	222.0	233.1	219.9	252.2	363.2	358.2	330.9	301.7	292.6
82.5°	193.7	163.4	177.6	182.6	160.4	189.7	265.3	265.3	250.2	209.8	194.7
85°	82.7	86.8	123.1	123.1	100.9	106.9	142.3	135.2	121.1	98.9	90.8
87.5°	28.2	42.4	62.6	54.5	21.2	9.1	5.0	2.0	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)