

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: P634562

Luminaire Tested: GWS-SA3C-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9057.9 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

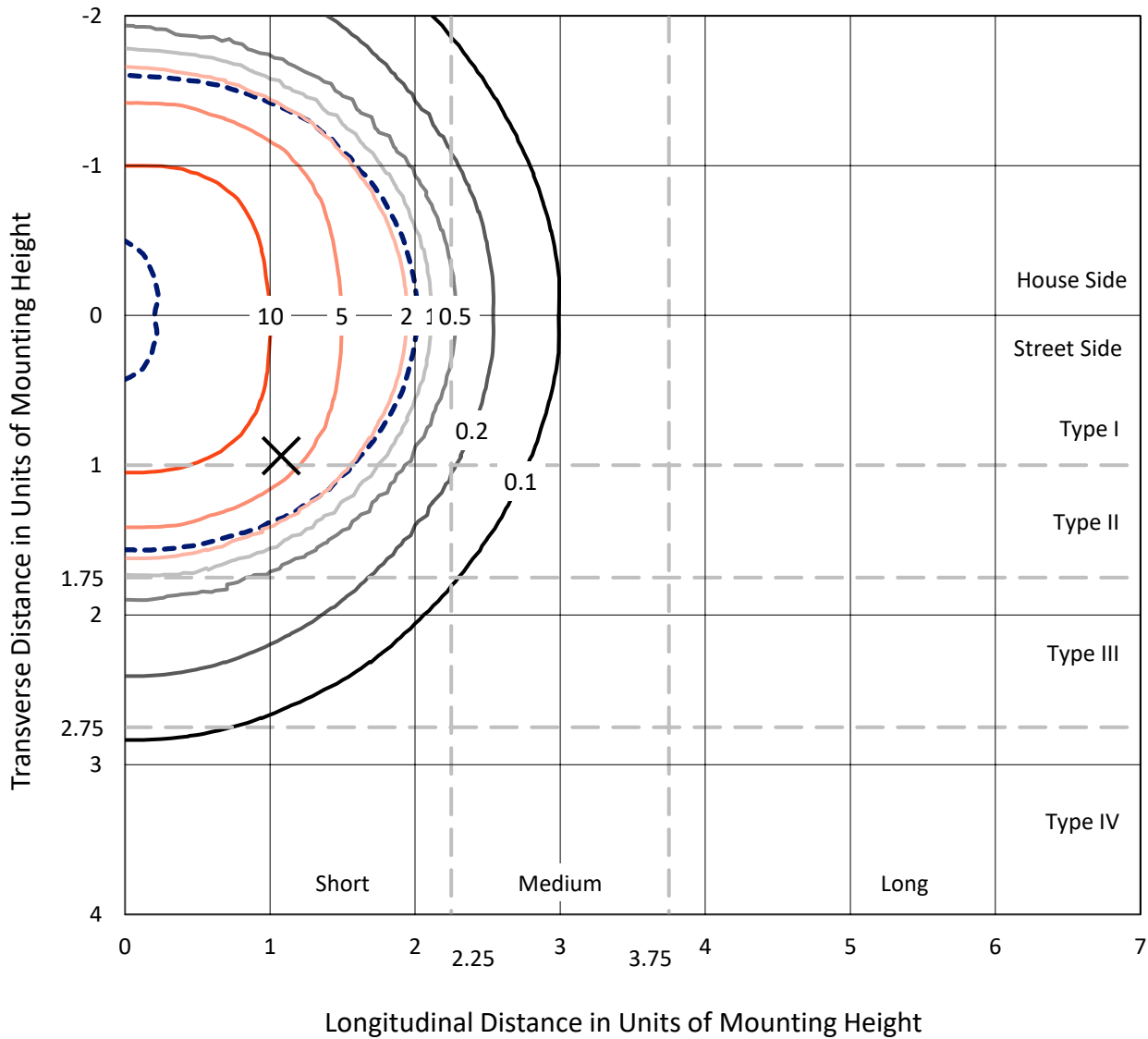
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

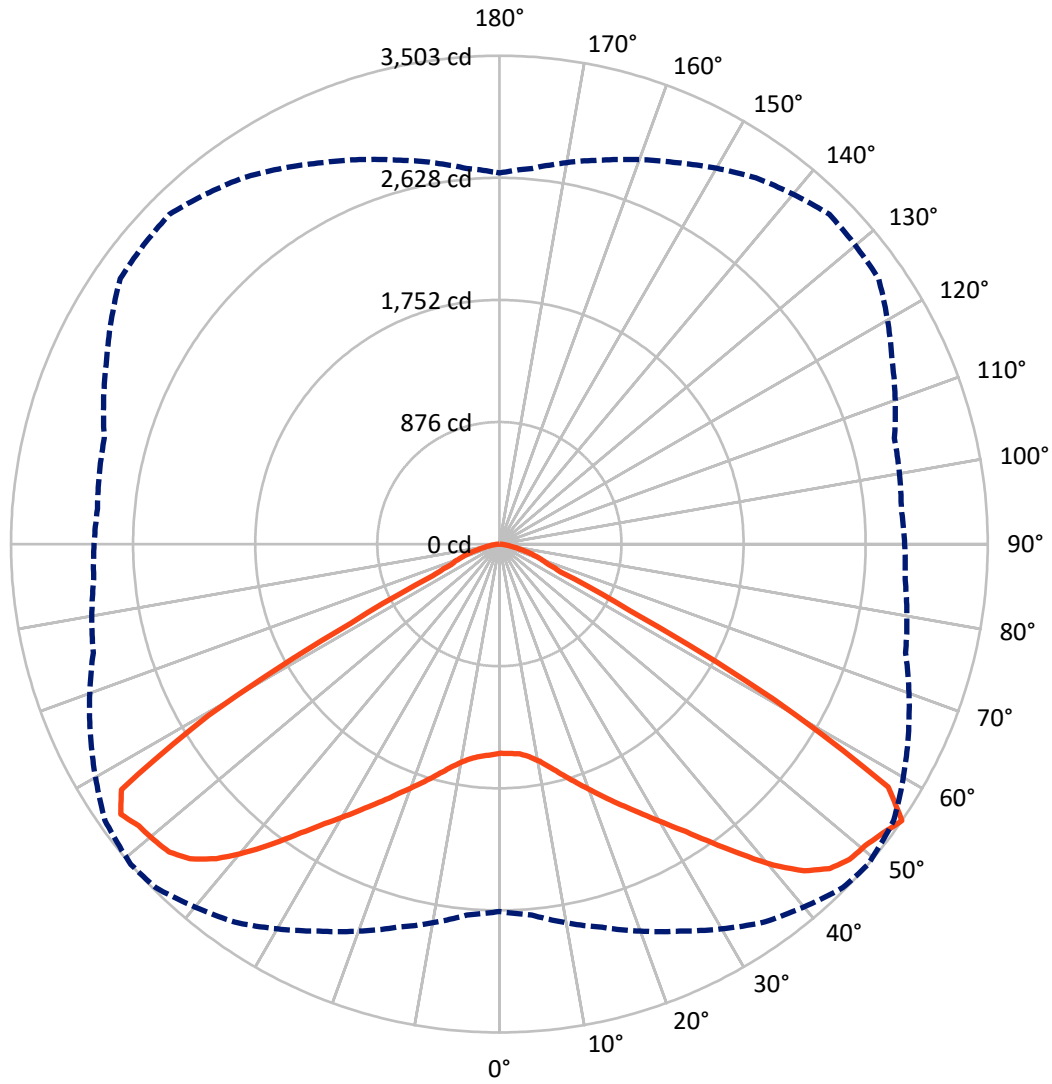
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4484.5	0.0	4484.5
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	4573.4	0.0	4573.4
	% Fixture	50.5	0.0	50.5
Total	Lumens	9057.9	0.0	9057.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.4	1.6
10°-20°	482.8	5.3
20°-30°	919.6	10.2
30°-40°	1558.9	17.2
40°-50°	2346.1	25.9
50°-60°	2568.0	28.4
60°-70°	812.0	9.0
70°-80°	194.9	2.2
80°-90°	29.2	0.3
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°	9057.9	100.0
0°-180°	9057.9	100.0

Coefficient of Utilization



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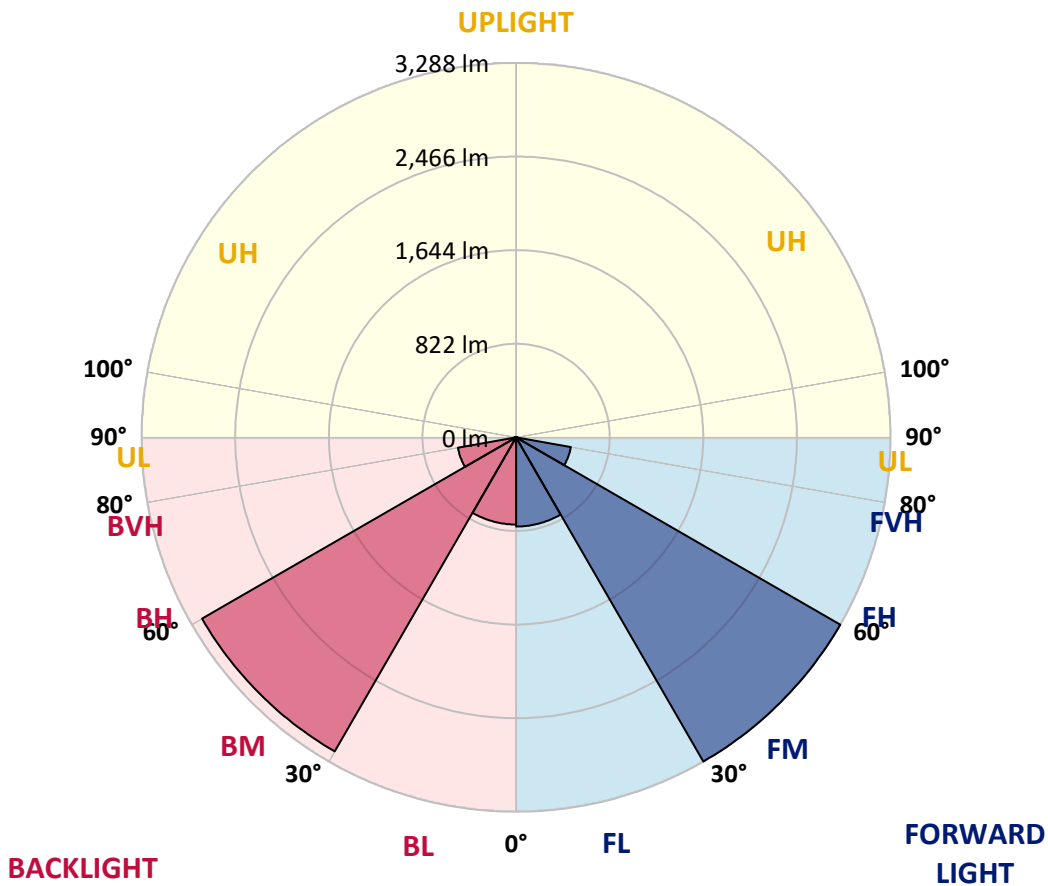
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	783.1	8.6			
FM (30°-60°)	3288.3	36.3			
FH (60°-80°)	488.4	5.4			G0/660
FVH (80°-90°)	13.5	0.1			G1/100
BL (0°-30°)	765.6	8.5	B2/1000		
BM (30°-60°)	3184.7	35.2	B3/5000		
BH (60°-80°)	518.5	5.7	B2/1000		G0/660
BVH (80°-90°)	15.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1500.5	1500.5	1500.5	1500.5	1500.5	1500.5	1500.5	1500.5	1500.5	1500.5	1500.5
2.5°	1478.4	1479.9	1482.8	1488.0	1493.1	1500.5	1503.4	1507.1	1506.4	1510.8	1510.8
5°	1471.0	1473.2	1477.7	1485.0	1493.9	1507.9	1511.5	1520.4	1529.2	1540.3	1544.0
7.5°	1479.9	1482.8	1488.0	1499.8	1513.0	1531.4	1538.8	1553.5	1570.5	1590.4	1598.5
10°	1496.8	1500.5	1509.3	1528.5	1549.8	1577.8	1584.5	1602.9	1630.1	1657.4	1673.6
12.5°	1516.0	1521.9	1538.1	1568.3	1599.9	1636.8	1647.1	1669.9	1699.4	1734.7	1756.8
15°	1538.1	1543.2	1568.3	1611.0	1660.3	1709.0	1720.7	1742.8	1776.0	1810.6	1841.6
17.5°	1584.5	1593.3	1622.8	1672.1	1729.6	1787.0	1800.3	1825.3	1851.9	1879.1	1908.6
20°	1647.8	1655.2	1692.8	1753.9	1821.7	1874.0	1887.2	1909.3	1921.8	1935.8	1960.9
22.5°	1711.2	1721.5	1764.2	1836.4	1916.0	1972.7	1983.0	2003.6	1994.8	1990.3	2006.6
25°	1790.0	1804.0	1846.0	1924.8	2005.8	2075.8	2083.9	2101.6	2086.8	2064.0	2063.3
27.5°	1888.0	1900.5	1943.9	2025.0	2105.3	2178.2	2193.7	2217.2	2184.8	2156.8	2136.9
30°	2004.3	2012.4	2060.3	2146.5	2229.0	2298.3	2318.1	2341.7	2317.4	2271.0	2251.1
32.5°	2139.9	2150.9	2206.2	2296.8	2370.4	2439.7	2459.6	2489.0	2462.5	2410.2	2385.2
35°	2302.7	2313.7	2371.9	2470.6	2545.8	2617.2	2631.2	2655.5	2622.4	2562.0	2542.1
37.5°	2479.5	2493.5	2567.1	2660.7	2739.5	2822.7	2823.5	2830.8	2783.7	2708.6	2686.5
40°	2678.4	2696.8	2770.4	2867.7	2962.7	3030.5	3029.7	3009.1	2929.5	2813.2	2779.3
42.5°	2875.0	2889.8	2964.2	3064.3	3159.4	3223.5	3204.3	3154.2	3039.3	2880.9	2836.0
45°	3017.2	3028.2	3106.3	3219.0	3315.5	3355.3	3320.7	3260.3	3104.9	2923.6	2857.4
47.5°	3084.2	3099.0	3177.8	3289.7	3398.8	3421.6	3380.4	3323.6	3143.2	2963.4	2874.3
50°	3048.1	3067.3	3156.4	3260.3	3383.3	3430.4	3401.0	3344.3	3183.7	3002.5	2904.5
52.5°	2954.6	2973.0	3085.7	3211.7	3350.9	3444.4	3443.7	3397.3	3230.1	3013.5	2906.0
55°	2634.9	2671.0	2846.3	3063.6	3311.1	3485.7	3503.4	3454.0	3237.4	3016.5	2921.4
57.5°	1714.9	1778.2	1944.7	2227.5	2724.0	3170.4	3289.7	3301.5	3184.4	3003.9	2924.4
60°	716.0	766.8	898.7	1086.5	1496.8	2027.9	2259.2	2491.3	2771.2	2872.8	2897.1
62.5°	444.9	449.3	462.6	505.3	642.3	901.6	1050.4	1267.7	1683.9	2038.2	2201.8
65°	401.5	403.7	406.6	403.7	410.3	442.0	481.7	557.6	727.0	903.1	1112.3
67.5°	353.6	356.5	358.7	356.5	358.7	360.2	364.6	371.3	402.2	427.2	446.4
70°	285.8	290.2	293.9	292.4	301.3	301.3	305.7	310.9	326.3	344.7	358.0
72.5°	218.0	214.4	218.8	220.2	228.4	232.8	239.4	245.3	263.0	274.0	291.0
75°	141.4	137.7	144.4	148.1	159.1	165.0	170.9	176.8	189.3	196.7	212.9
77.5°	76.6	75.9	82.5	87.7	99.4	106.8	111.2	115.6	126.0	128.2	138.5
80°	44.2	44.2	48.6	52.3	59.7	67.8	72.2	75.9	83.2	85.4	89.9
82.5°	24.3	24.3	26.5	28.7	34.6	39.0	42.7	45.7	52.3	54.5	56.7
85°	11.8	11.0	12.5	14.0	16.2	18.4	20.6	22.1	27.3	28.7	31.7
87.5°	1.5	1.5	1.5	2.2	2.9	4.4	5.2	5.2	8.1	9.6	11.0
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°	1500.5	1500.5	1500.5	1500.5	1500.5	1500.5	1500.5	1500.5	1500.5	1500.5	1500.5
2.5°	1515.2	1505.7	1511.5	1513.8	1513.8	1511.5	1502.0	1499.0	1494.6	1488.0	1488.0
5°	1549.1	1541.7	1543.2	1539.5	1530.7	1519.6	1502.0	1493.1	1485.8	1477.7	1476.9
7.5°	1607.3	1597.7	1596.3	1582.3	1558.7	1535.1	1508.6	1492.4	1481.3	1471.0	1470.3
10°	1683.2	1674.3	1663.3	1635.3	1600.7	1566.1	1530.0	1507.9	1491.7	1476.9	1476.2
12.5°	1767.9	1757.6	1737.0	1695.7	1652.2	1618.4	1577.1	1543.2	1518.9	1499.0	1495.3
15°	1860.0	1845.2	1809.9	1761.3	1718.5	1682.4	1638.2	1589.6	1552.8	1521.1	1517.4
17.5°	1930.7	1911.5	1873.2	1827.6	1792.2	1756.1	1698.6	1637.5	1584.5	1544.7	1538.8
20°	1979.3	1963.8	1920.4	1886.5	1865.9	1834.2	1767.2	1697.9	1638.2	1588.2	1585.2
22.5°	2024.2	2005.8	1963.1	1943.2	1943.2	1921.8	1857.8	1776.0	1706.0	1647.8	1640.5
25°	2075.1	2055.2	2022.8	2020.6	2030.9	2021.3	1943.9	1856.3	1774.5	1709.0	1697.2
27.5°	2145.8	2123.7	2104.5	2117.8	2132.5	2122.2	2036.0	1934.4	1848.2	1781.9	1771.6
30°	2258.5	2231.2	2213.5	2229.8	2258.5	2228.3	2134.7	2027.2	1940.3	1867.3	1862.2
32.5°	2389.6	2358.7	2340.2	2366.0	2391.8	2344.7	2251.8	2148.7	2057.4	1980.8	1971.9
35°	2547.2	2508.2	2480.9	2515.6	2542.1	2495.7	2403.6	2305.6	2204.0	2124.4	2112.6
37.5°	2687.2	2640.0	2621.6	2670.2	2705.6	2675.4	2575.2	2483.1	2371.9	2285.0	2279.8
40°	2788.8	2742.4	2729.2	2809.5	2871.3	2864.0	2774.1	2668.8	2564.2	2464.0	2454.4
42.5°	2833.0	2800.6	2803.6	2911.9	3007.6	3054.8	2974.5	2861.8	2760.9	2657.0	2650.4
45°	2842.6	2822.7	2846.3	2981.8	3107.8	3204.3	3135.8	3041.5	2927.3	2827.1	2824.2
47.5°	2852.9	2841.9	2878.0	3021.6	3171.2	3283.1	3244.8	3147.6	3031.9	2934.0	2926.6
50°	2877.2	2872.8	2913.3	3049.6	3201.4	3304.5	3261.0	3164.5	3045.9	2949.4	2931.7
52.5°	2884.6	2877.2	2935.4	3093.1	3251.4	3303.7	3210.2	3084.2	2964.9	2857.4	2838.9
55°	2907.4	2894.2	2934.0	3109.3	3320.7	3346.5	3207.2	3018.7	2852.2	2705.6	2662.1
57.5°	2913.3	2898.6	2924.4	3082.8	3245.6	3222.7	2819.0	2436.0	2122.2	1959.4	1977.8
60°	2881.7	2886.1	2841.9	2824.2	2603.2	2298.3	1725.9	1379.7	1083.6	958.3	985.6
62.5°	2193.7	2212.1	2061.1	1792.2	1378.2	1092.4	722.6	561.3	475.1	453.0	456.7
65°	1107.1	1132.2	975.3	806.6	599.6	484.7	419.1	405.9	401.5	396.3	396.3
67.5°	438.3	445.7	439.8	411.8	383.0	372.7	369.8	368.3	363.2	360.2	360.9
70°	352.1	358.0	349.2	331.5	319.7	319.0	317.5	314.5	310.9	310.9	313.1
72.5°	287.3	293.2	280.7	269.6	260.8	254.1	250.5	248.2	243.1	243.1	245.3
75°	211.4	215.1	204.8	203.3	193.7	187.1	181.2	178.3	171.6	168.7	170.9
77.5°	140.7	140.0	134.8	134.8	131.1	123.0	116.4	109.8	100.9	95.0	96.5
80°	91.3	91.3	89.1	89.1	85.4	78.8	70.7	64.1	58.9	54.5	54.5
82.5°	58.2	57.5	56.7	56.0	54.5	47.9	42.0	37.6	33.9	30.9	31.7
85°	32.4	32.4	30.9	30.9	28.0	24.3	21.4	18.4	16.2	15.5	15.5
87.5°	11.0	11.0	10.3	10.3	8.8	6.6	5.2	4.4	3.7	2.9	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)