

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: P634232

Luminaire Tested: GWS-SA3B-735-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634232
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-SA3B-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9043.6 lumens
Efficiency: N/A
Efficacy: 132.4 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

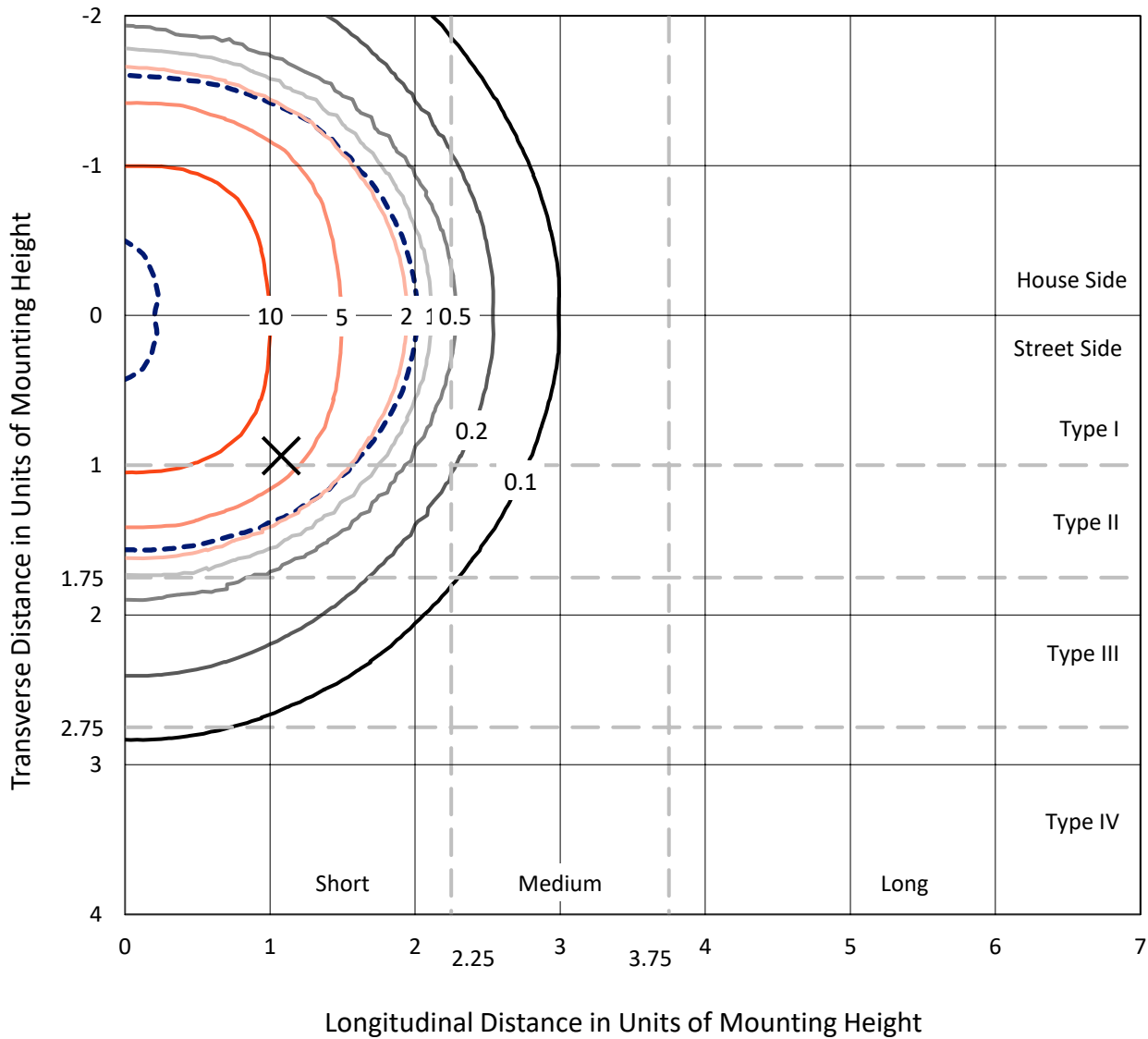
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

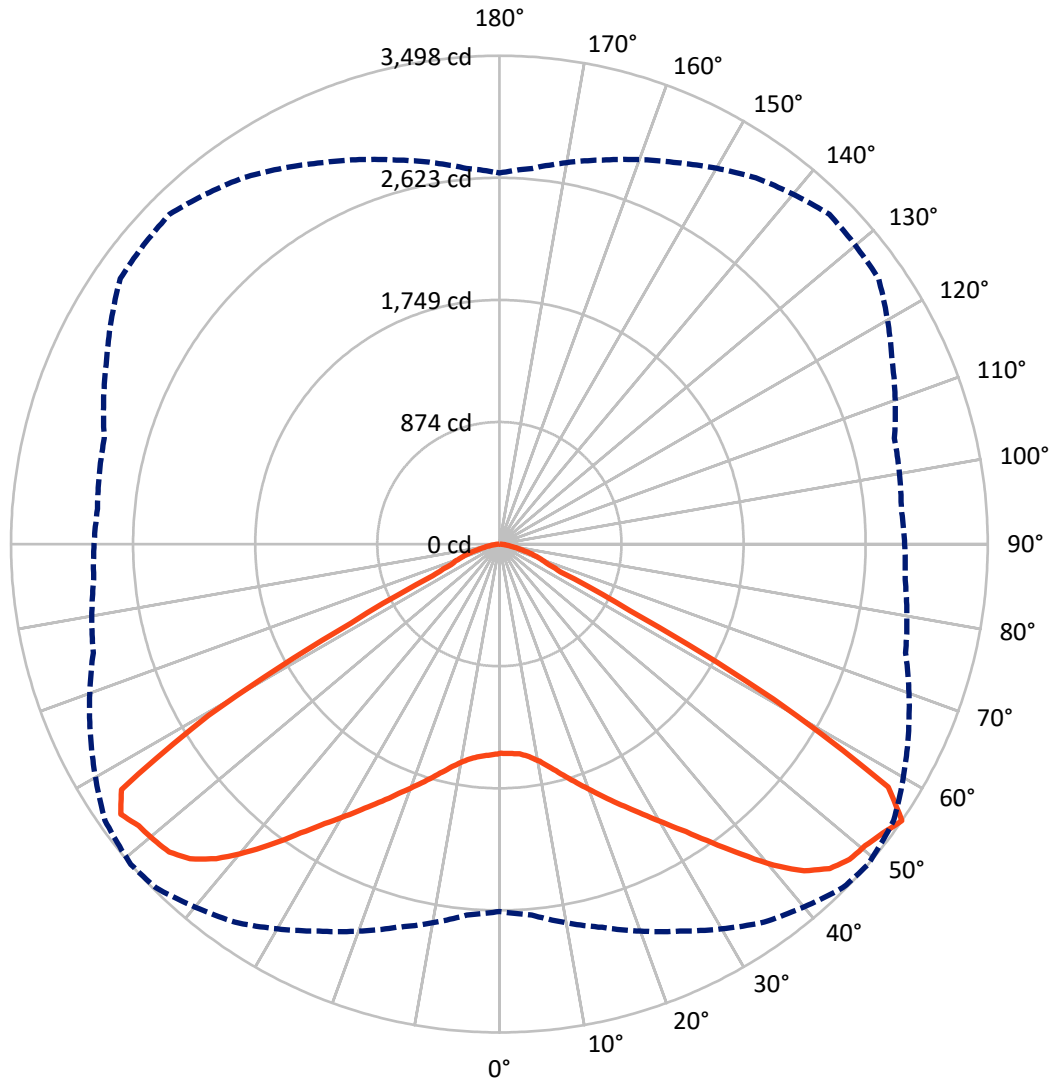
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.6 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	4477.4	0.0	4477.4
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	4566.2	0.0	4566.2
	% Fixture	50.5	0.0	50.5
Total	Lumens	9043.6	0.0	9043.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.1	1.6
10°-20°	482.0	5.3
20°-30°	918.2	10.2
30°-40°	1556.5	17.2
40°-50°	2342.4	25.9
50°-60°	2563.9	28.4
60°-70°	810.7	9.0
70°-80°	194.6	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°	9043.6	100.0
0°-180°	9043.6	100.0

Coefficient of Utilization



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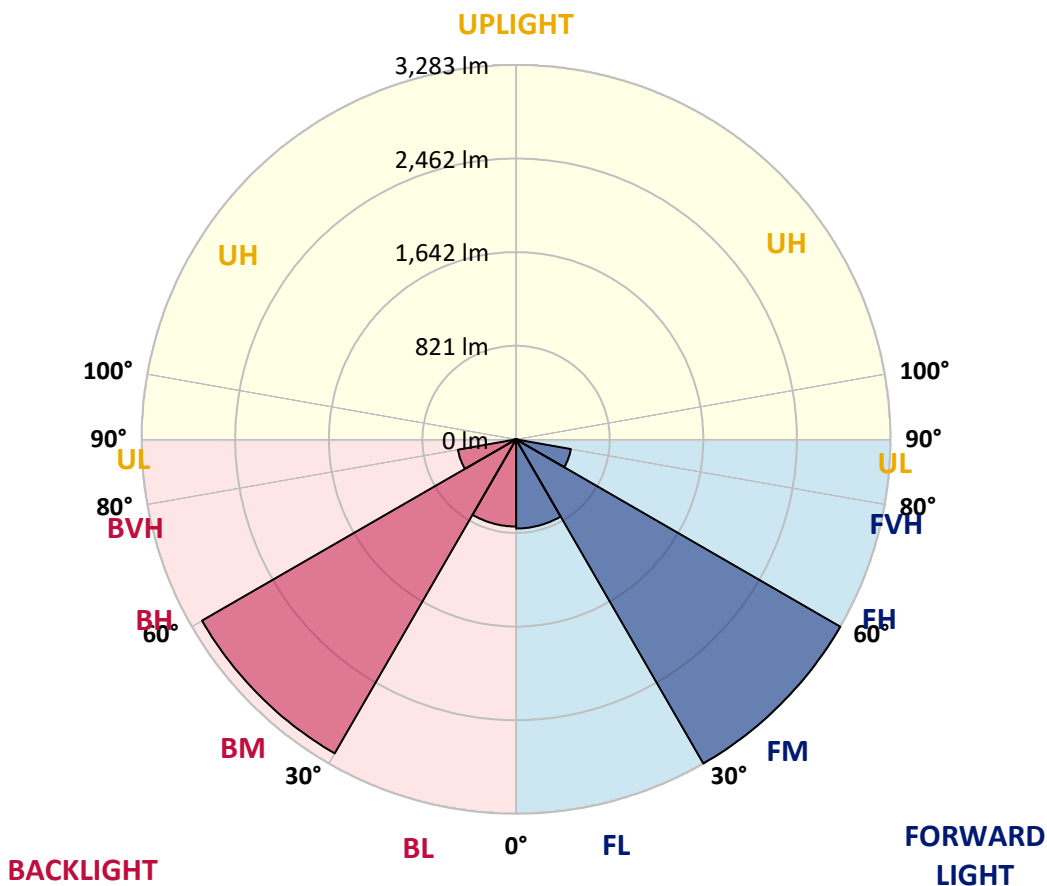
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	781.9	8.6			
FM (30°-60°)	3283.1	36.3			
FH (60°-80°)	487.7	5.4			G0/660
FVH (80°-90°)	13.5	0.1			G1/100
BL (0°-30°)	764.4	8.5	B2/1000		
BM (30°-60°)	3179.7	35.2	B3/5000		
BH (60°-80°)	517.6	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°	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1
2.5°	1476.1	1477.5	1480.5	1485.6	1490.8	1498.1	1501.1	1504.7	1504.0	1508.4	1508.4
5°	1468.7	1470.9	1475.3	1482.7	1491.5	1505.5	1509.2	1518.0	1526.8	1537.8	1541.5
7.5°	1477.5	1480.5	1485.6	1497.4	1510.6	1529.0	1536.4	1551.1	1568.0	1587.9	1595.9
10°	1494.4	1498.1	1507.0	1526.1	1547.4	1575.4	1582.0	1600.4	1627.6	1654.8	1671.0
12.5°	1513.6	1519.5	1535.6	1565.8	1597.4	1634.2	1644.5	1667.3	1696.7	1732.0	1754.1
15°	1535.6	1540.8	1565.8	1608.4	1657.7	1706.3	1718.0	1740.1	1773.2	1807.8	1838.6
17.5°	1582.0	1590.8	1620.2	1669.5	1726.9	1784.2	1797.5	1822.5	1848.9	1876.2	1905.6
20°	1645.2	1652.6	1690.1	1751.1	1818.8	1871.0	1884.2	1906.3	1918.8	1932.8	1957.8
22.5°	1708.5	1718.8	1761.4	1833.5	1912.9	1969.6	1979.9	2000.4	1991.6	1987.2	2003.4
25°	1787.2	1801.1	1843.1	1921.8	2002.7	2072.5	2080.6	2098.3	2083.6	2060.8	2060.0
27.5°	1885.0	1897.5	1940.9	2021.8	2101.9	2174.7	2190.2	2213.7	2181.4	2153.4	2133.6
30°	2001.2	2009.3	2057.1	2143.1	2225.5	2294.6	2314.5	2338.0	2313.7	2267.4	2247.6
32.5°	2136.5	2147.5	2202.7	2293.2	2366.7	2435.8	2455.7	2485.1	2458.6	2406.4	2381.4
35°	2299.0	2310.1	2368.2	2466.7	2541.7	2613.1	2627.1	2651.3	2618.2	2557.9	2538.1
37.5°	2475.6	2489.5	2563.1	2656.5	2735.2	2818.3	2819.0	2826.4	2779.3	2704.3	2682.2
40°	2674.1	2692.5	2766.1	2863.1	2958.0	3025.7	3024.9	3004.3	2924.9	2808.7	2774.9
42.5°	2870.5	2885.2	2959.5	3059.5	3154.4	3218.4	3199.2	3149.2	3034.5	2876.4	2831.5
45°	3012.4	3023.5	3101.4	3213.9	3310.3	3350.0	3315.4	3255.1	3100.0	2919.0	2852.8
47.5°	3079.4	3094.1	3172.8	3284.6	3393.4	3416.2	3375.0	3318.4	3138.2	2958.7	2869.8
50°	3043.3	3062.4	3151.4	3255.1	3378.0	3425.0	3395.6	3339.0	3178.6	2997.7	2899.9
52.5°	2949.9	2968.3	3080.8	3206.6	3345.6	3439.0	3438.3	3391.9	3225.0	3008.8	2901.4
55°	2630.7	2666.8	2841.8	3058.8	3305.9	3480.2	3497.8	3448.6	3232.3	3011.7	2916.8
57.5°	1712.1	1775.4	1941.6	2224.0	2719.7	3165.4	3284.6	3296.3	3179.4	2999.2	2919.8
60°	714.9	765.6	897.3	1084.8	1494.4	2024.7	2255.6	2487.3	2766.8	2868.3	2892.6
62.5°	444.2	448.6	461.9	504.5	641.3	900.2	1048.8	1265.7	1681.3	2035.0	2198.3
65°	400.8	403.0	406.0	403.0	409.6	441.3	481.0	556.7	725.9	901.7	1110.5
67.5°	353.0	356.0	358.2	356.0	358.2	359.6	364.1	370.7	401.6	426.6	445.7
70°	285.4	289.8	293.4	292.0	300.8	300.8	305.2	310.4	325.8	344.2	357.4
72.5°	217.7	214.0	218.4	219.9	228.0	232.4	239.0	244.9	262.6	273.6	290.5
75°	141.2	137.5	144.1	147.8	158.9	164.7	170.6	176.5	189.0	196.4	212.5
77.5°	76.5	75.8	82.4	87.5	99.3	106.6	111.1	115.5	125.8	128.0	138.3
80°	44.1	44.1	48.5	52.2	59.6	67.7	72.1	75.8	83.1	85.3	89.7
82.5°	24.3	24.3	26.5	28.7	34.6	39.0	42.7	45.6	52.2	54.4	56.6
85°	11.8	11.0	12.5	14.0	16.2	18.4	20.6	22.1	27.2	28.7	31.6
87.5°	1.5	1.5	1.5	2.2	2.9	4.4	5.1	5.1	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°	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1	1498.1
2.5°	1512.8	1503.3	1509.2	1511.4	1511.4	1509.2	1499.6	1496.7	1492.2	1485.6	1485.6
5°	1546.7	1539.3	1540.8	1537.1	1528.3	1517.2	1499.6	1490.8	1483.4	1475.3	1474.6
7.5°	1604.8	1595.2	1593.7	1579.8	1556.2	1532.7	1506.2	1490.0	1479.0	1468.7	1468.0
10°	1680.5	1671.7	1660.7	1632.7	1598.1	1563.6	1527.5	1505.5	1489.3	1474.6	1473.9
12.5°	1765.1	1754.8	1734.2	1693.0	1649.6	1615.8	1574.6	1540.8	1516.5	1496.7	1493.0
15°	1857.0	1842.3	1807.0	1758.5	1715.8	1679.8	1635.7	1587.1	1550.3	1518.7	1515.0
17.5°	1927.6	1908.5	1870.3	1824.7	1789.4	1753.3	1696.0	1634.9	1582.0	1542.3	1536.4
20°	1976.2	1960.7	1917.3	1883.5	1862.9	1831.3	1764.4	1695.2	1635.7	1585.6	1582.7
22.5°	2021.0	2002.7	1960.0	1940.1	1940.1	1918.8	1854.8	1773.2	1703.3	1645.2	1637.9
25°	2071.8	2051.9	2019.6	2017.4	2027.7	2018.1	1940.9	1853.4	1771.7	1706.3	1694.5
27.5°	2142.4	2120.3	2101.2	2114.4	2129.1	2118.9	2032.8	1931.3	1845.3	1779.1	1768.8
30°	2254.9	2227.7	2210.1	2226.2	2254.9	2224.8	2131.4	2024.0	1937.2	1864.4	1859.2
32.5°	2385.8	2354.9	2336.5	2362.3	2388.0	2341.0	2248.3	2145.3	2054.1	1977.6	1968.8
35°	2543.2	2504.2	2477.0	2511.6	2538.1	2491.7	2399.8	2302.0	2200.5	2121.1	2109.3
37.5°	2682.9	2635.9	2617.5	2666.0	2701.3	2671.2	2571.2	2479.2	2368.2	2281.4	2276.2
40°	2784.4	2738.1	2724.9	2805.0	2866.8	2859.5	2769.7	2664.6	2560.1	2460.1	2450.5
42.5°	2828.6	2796.2	2799.2	2907.3	3002.9	3049.9	2969.8	2857.3	2756.5	2652.8	2646.2
45°	2838.1	2818.3	2841.8	2977.1	3102.9	3199.2	3130.8	3036.7	2922.7	2822.7	2819.7
47.5°	2848.4	2837.4	2873.4	3016.8	3166.1	3277.9	3239.7	3142.6	3027.1	2929.3	2922.0
50°	2872.7	2868.3	2908.7	3044.8	3196.3	3299.3	3255.9	3159.5	3041.1	2944.8	2927.1
52.5°	2880.1	2872.7	2930.8	3088.2	3246.3	3298.5	3205.1	3079.4	2960.2	2852.8	2834.5
55°	2902.9	2889.6	2929.3	3104.4	3315.4	3341.2	3202.2	3013.9	2847.7	2701.3	2657.9
57.5°	2908.7	2894.0	2919.8	3077.9	3240.4	3217.6	2814.6	2432.2	2118.9	1956.3	1974.7
60°	2877.1	2881.5	2837.4	2819.7	2599.1	2294.6	1723.2	1377.5	1081.9	956.8	984.0
62.5°	2190.2	2208.6	2057.8	1789.4	1376.0	1090.7	721.5	560.4	474.4	452.3	456.0
65°	1105.4	1130.4	973.7	805.3	598.7	483.9	418.5	405.2	400.8	395.7	395.7
67.5°	437.6	445.0	439.1	411.1	382.4	372.1	369.2	367.7	362.6	359.6	360.4
70°	351.5	357.4	348.6	331.0	319.2	318.5	317.0	314.0	310.4	310.4	312.6
72.5°	286.8	292.7	280.2	269.2	260.4	253.7	250.1	247.8	242.7	242.7	244.9
75°	211.1	214.8	204.5	203.0	193.4	186.8	180.9	178.0	171.4	168.4	170.6
77.5°	140.5	139.7	134.6	134.6	130.9	122.8	116.2	109.6	100.8	94.9	96.3
80°	91.2	91.2	89.0	89.0	85.3	78.7	70.6	64.0	58.8	54.4	54.4
82.5°	58.1	57.4	56.6	55.9	54.4	47.8	41.9	37.5	33.8	30.9	31.6
85°	32.4	32.4	30.9	30.9	27.9	24.3	21.3	18.4	16.2	15.4	15.4
87.5°	11.0	11.0	10.3	10.3	8.8	6.6	5.1	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)