

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: P632252

Luminaire Tested: GWS-SA2C-735-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632252
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-SA2C-735-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8047.1 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 63.2
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

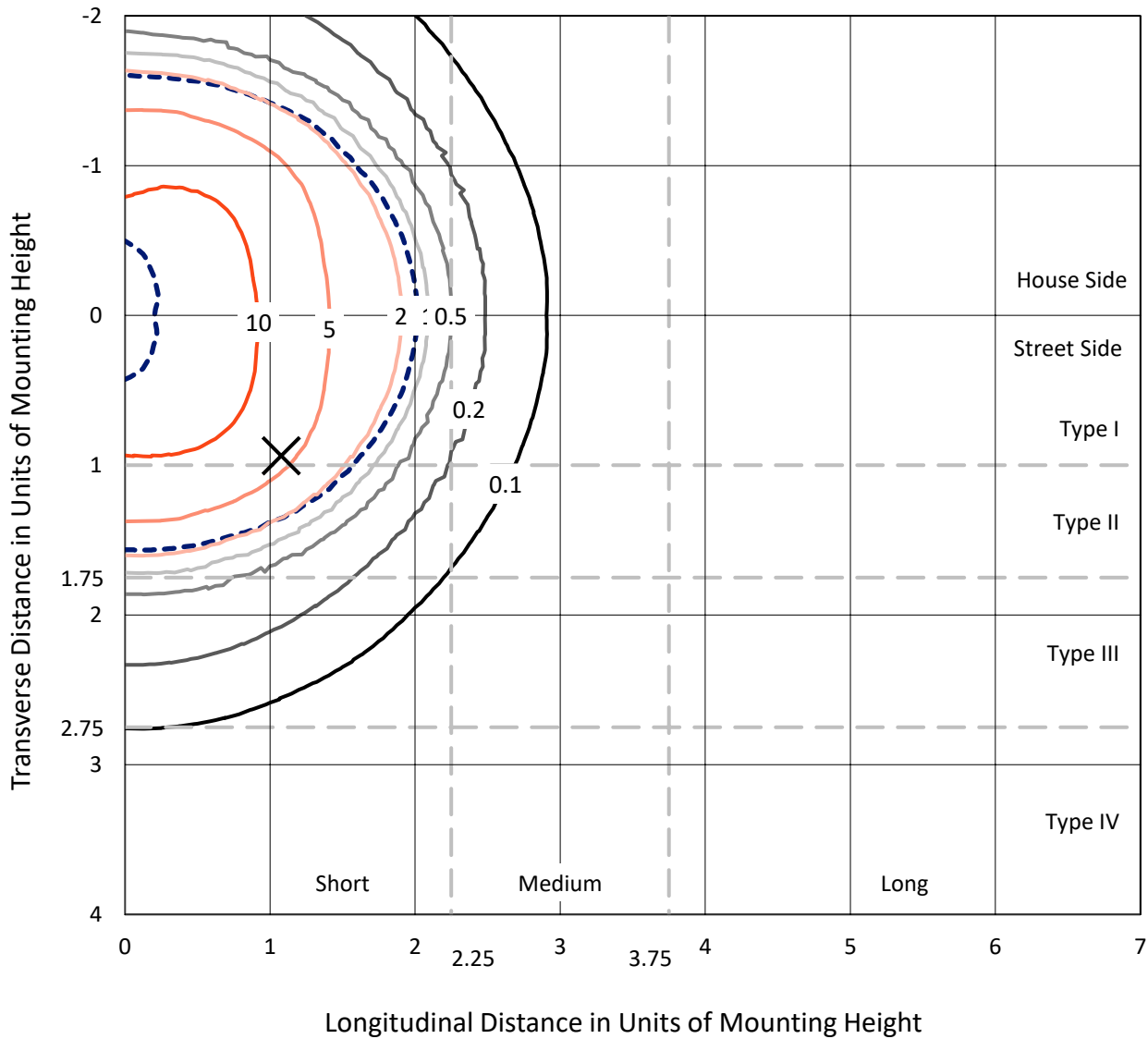


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Iso-Footcandle Lines of Horizontal Illumination

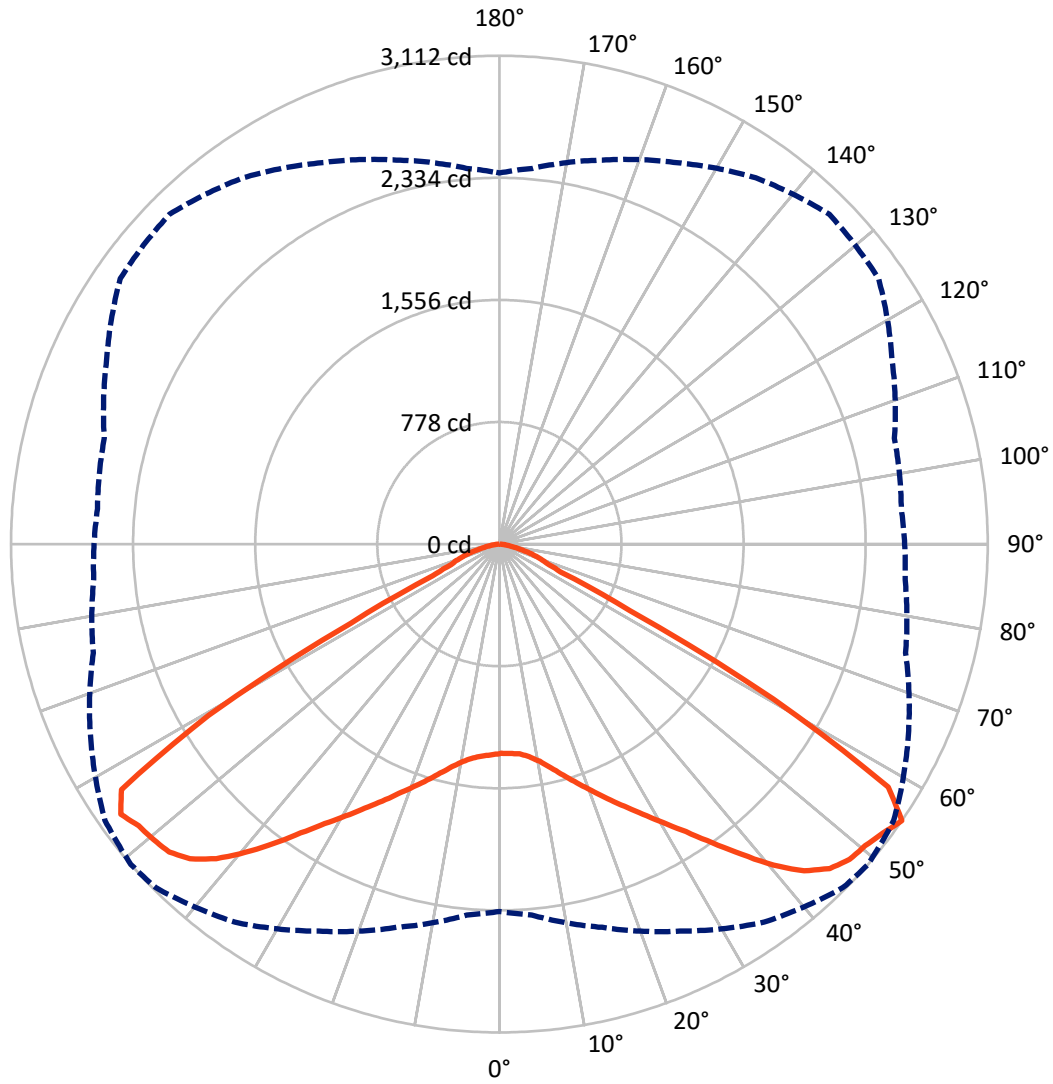
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.8 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	3984.1	0.0	3984.1
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	4063.0	0.0	4063.0
	% Fixture	50.5	0.0	50.5
Total	Lumens	8047.1	0.0	8047.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	1.6
10°-20°	428.9	5.3
20°-30°	817.0	10.2
30°-40°	1385.0	17.2
40°-50°	2084.3	25.9
50°-60°	2281.4	28.4
60°-70°	721.4	9.0
70°-80°	173.1	2.2
80°-90°	26.0	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°	8047.1	100.0
0°-180°	8047.1	100.0

Coefficient of Utilization



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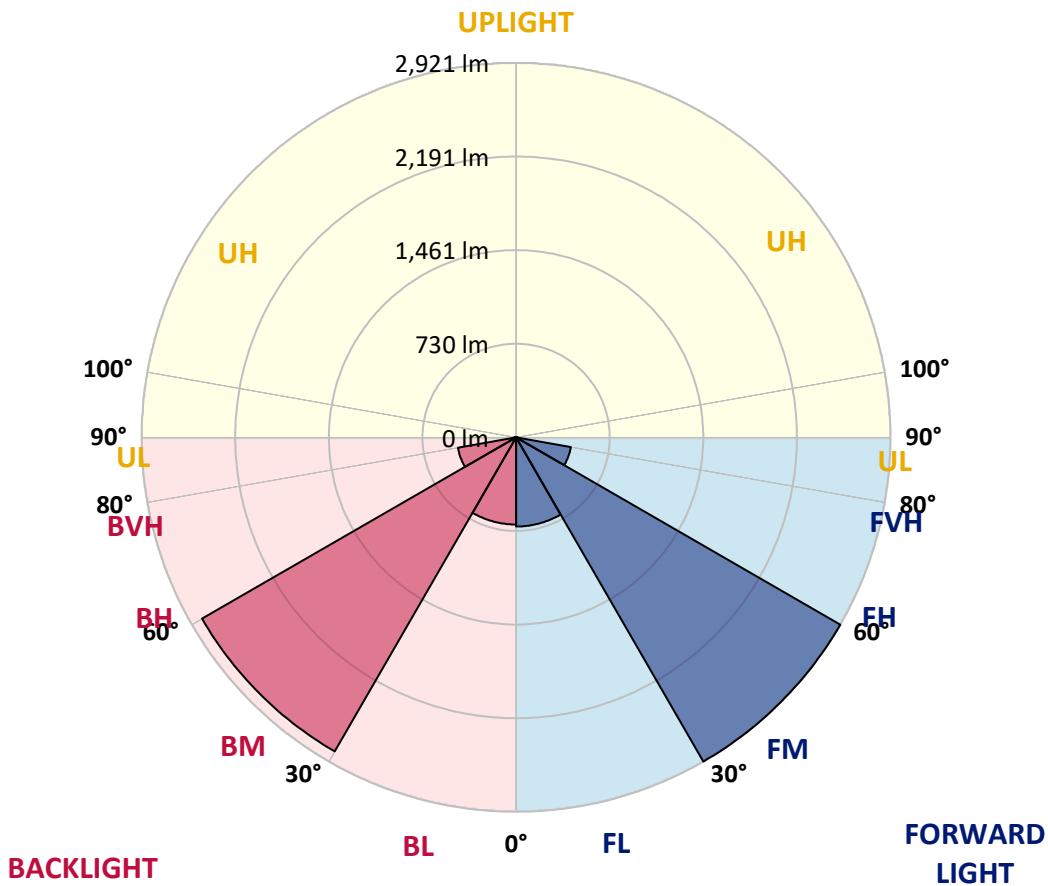
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	695.7	8.6			
FM (30°-60°)	2921.3	36.3			
FH (60°-80°)	433.9	5.4			G0/660
FVH (80°-90°)	12.0	0.1			G1/100
BL (0°-30°)	680.2	8.5	B2/1000		
BM (30°-60°)	2829.3	35.2	B3/5000		
BH (60°-80°)	460.6	5.7	B1/500		G0/660
BVH (80°-90°)	14.0	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°	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1
2.5°	1313.4	1314.7	1317.3	1321.9	1326.5	1333.1	1335.7	1338.9	1338.3	1342.2	1342.2
5°	1306.9	1308.8	1312.8	1319.3	1327.2	1339.6	1342.9	1350.7	1358.6	1368.4	1371.7
7.5°	1314.7	1317.3	1321.9	1332.4	1344.2	1360.5	1367.1	1380.2	1395.2	1412.9	1420.1
10°	1329.8	1333.1	1340.9	1357.9	1376.9	1401.8	1407.7	1424.0	1448.2	1472.4	1486.8
12.5°	1346.8	1352.0	1366.4	1393.3	1421.4	1454.1	1463.3	1483.6	1509.7	1541.2	1560.8
15°	1366.4	1371.0	1393.3	1431.2	1475.1	1518.3	1528.7	1548.4	1577.8	1608.6	1636.0
17.5°	1407.7	1415.5	1441.7	1485.5	1536.6	1587.6	1599.4	1621.6	1645.2	1669.4	1695.6
20°	1463.9	1470.5	1503.9	1558.2	1618.4	1664.8	1676.6	1696.3	1707.4	1719.8	1742.1
22.5°	1520.2	1529.4	1567.3	1631.5	1702.1	1752.5	1761.7	1780.0	1772.2	1768.2	1782.6
25°	1590.2	1602.7	1640.0	1710.0	1782.0	1844.2	1851.4	1867.1	1854.0	1833.7	1833.0
27.5°	1677.3	1688.4	1727.0	1799.0	1870.3	1935.1	1948.9	1969.8	1941.0	1916.1	1898.5
30°	1780.7	1787.9	1830.4	1907.0	1980.3	2041.8	2059.5	2080.4	2058.8	2017.6	1999.9
32.5°	1901.1	1910.9	1960.0	2040.5	2105.9	2167.4	2185.1	2211.3	2187.7	2141.3	2119.0
35°	2045.7	2055.5	2107.2	2194.9	2261.7	2325.1	2337.6	2359.2	2329.7	2276.1	2258.4
37.5°	2202.8	2215.2	2280.6	2363.8	2433.8	2507.7	2508.4	2514.9	2473.0	2406.3	2386.7
40°	2379.5	2395.8	2461.3	2547.7	2632.1	2692.3	2691.6	2673.3	2602.6	2499.2	2469.1
42.5°	2554.2	2567.3	2633.4	2722.4	2806.8	2863.7	2846.7	2802.2	2700.1	2559.4	2519.5
45°	2680.5	2690.3	2759.7	2859.8	2945.5	2980.9	2950.1	2896.5	2758.4	2597.4	2538.5
47.5°	2740.1	2753.1	2823.2	2922.6	3019.5	3039.8	3003.1	2952.7	2792.4	2632.7	2553.5
50°	2708.0	2725.0	2804.2	2896.5	3005.7	3047.6	3021.5	2971.1	2828.4	2667.4	2580.4
52.5°	2624.9	2641.2	2741.4	2853.3	2977.0	3060.1	3059.4	3018.2	2869.6	2677.2	2581.7
55°	2340.9	2372.9	2528.7	2721.7	2941.6	3096.7	3112.4	3068.6	2876.2	2679.8	2595.4
57.5°	1523.5	1579.8	1727.7	1979.0	2420.0	2816.6	2922.6	2933.1	2829.1	2668.7	2598.0
60°	636.1	681.2	798.4	965.3	1329.8	1801.6	2007.1	2213.2	2461.9	2552.2	2573.8
62.5°	395.3	399.2	411.0	448.9	570.7	801.0	933.2	1126.3	1496.0	1810.8	1956.1
65°	356.7	358.6	361.2	358.6	364.5	392.7	428.0	495.4	645.9	802.3	988.2
67.5°	314.1	316.7	318.7	316.7	318.7	320.0	323.9	329.8	357.3	379.6	396.6
70°	253.9	257.8	261.1	259.8	267.7	267.7	271.6	276.2	289.9	306.3	318.0
72.5°	193.7	190.4	194.4	195.7	202.9	206.8	212.7	217.9	233.6	243.4	258.5
75°	125.6	122.4	128.3	131.5	141.4	146.6	151.8	157.1	168.2	174.7	189.1
77.5°	68.1	67.4	73.3	77.9	88.3	94.9	98.8	102.7	111.9	113.9	123.0
80°	39.3	39.3	43.2	46.5	53.0	60.2	64.1	67.4	73.9	75.9	79.8
82.5°	21.6	21.6	23.6	25.5	30.8	34.7	38.0	40.6	46.5	48.4	50.4
85°	10.5	9.8	11.1	12.4	14.4	16.4	18.3	19.6	24.2	25.5	28.1
87.5°	1.3	1.3	1.3	2.0	2.6	3.9	4.6	4.6	7.2	8.5	9.8
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°	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1
2.5°	1346.1	1337.6	1342.9	1344.8	1344.8	1342.9	1334.4	1331.7	1327.8	1321.9	1321.9
5°	1376.2	1369.7	1371.0	1367.7	1359.9	1350.1	1334.4	1326.5	1320.0	1312.8	1312.1
7.5°	1427.9	1419.4	1418.1	1405.7	1384.7	1363.8	1340.2	1325.9	1316.0	1306.9	1306.2
10°	1495.3	1487.5	1477.7	1452.8	1422.1	1391.3	1359.2	1339.6	1325.2	1312.1	1311.5
12.5°	1570.6	1561.4	1543.1	1506.5	1467.9	1437.8	1401.1	1371.0	1349.4	1331.7	1328.5
15°	1652.4	1639.3	1607.9	1564.7	1526.8	1494.7	1455.4	1412.2	1379.5	1351.4	1348.1
17.5°	1715.2	1698.2	1664.2	1623.6	1592.2	1560.1	1509.1	1454.8	1407.7	1372.3	1367.1
20°	1758.4	1744.7	1706.1	1676.0	1657.6	1629.5	1570.0	1508.4	1455.4	1410.9	1408.3
22.5°	1798.3	1782.0	1744.0	1726.4	1726.4	1707.4	1650.4	1577.8	1515.6	1463.9	1457.4
25°	1843.5	1825.8	1797.0	1795.1	1804.2	1795.7	1727.0	1649.1	1576.5	1518.3	1507.8
27.5°	1906.3	1886.7	1869.7	1881.5	1894.5	1885.4	1808.8	1718.5	1641.9	1583.0	1573.9
30°	2006.4	1982.2	1966.5	1980.9	2006.4	1979.6	1896.5	1801.0	1723.7	1659.0	1654.4
32.5°	2122.9	2095.4	2079.1	2102.0	2124.9	2083.0	2000.6	1908.9	1827.8	1759.7	1751.9
35°	2263.0	2228.3	2204.1	2234.8	2258.4	2217.2	2135.4	2048.3	1958.0	1887.3	1876.9
37.5°	2387.3	2345.4	2329.1	2372.3	2403.7	2376.8	2287.8	2206.0	2107.2	2030.0	2025.4
40°	2477.6	2436.4	2424.6	2496.0	2550.9	2544.4	2464.5	2371.0	2278.0	2189.0	2180.5
42.5°	2516.9	2488.1	2490.7	2586.9	2672.0	2713.9	2642.5	2542.4	2452.8	2360.5	2354.6
45°	2525.4	2507.7	2528.7	2649.1	2761.0	2846.7	2785.9	2702.1	2600.7	2511.7	2509.0
47.5°	2534.6	2524.7	2556.8	2684.4	2817.3	2916.7	2882.7	2796.3	2693.6	2606.5	2600.0
50°	2556.2	2552.2	2588.2	2709.3	2844.1	2935.7	2897.1	2811.4	2706.0	2620.3	2604.6
52.5°	2562.7	2556.2	2607.9	2747.9	2888.6	2935.1	2852.0	2740.1	2634.0	2538.5	2522.1
55°	2583.0	2571.2	2606.5	2762.3	2950.1	2973.0	2849.3	2681.8	2533.9	2403.7	2365.1
57.5°	2588.2	2575.1	2598.0	2738.7	2883.4	2863.1	2504.5	2164.2	1885.4	1740.8	1757.1
60°	2560.1	2564.0	2524.7	2509.0	2312.7	2041.8	1533.3	1225.7	962.6	851.4	875.6
62.5°	1948.9	1965.2	1831.1	1592.2	1224.4	970.5	642.0	498.7	422.1	402.5	405.7
65°	983.6	1005.8	866.5	716.6	532.7	430.6	372.4	360.6	356.7	352.1	352.1
67.5°	389.4	395.9	390.7	365.8	340.3	331.1	328.5	327.2	322.6	320.0	320.7
70°	312.8	318.0	310.2	294.5	284.0	283.4	282.1	279.4	276.2	276.2	278.1
72.5°	255.2	260.5	249.3	239.5	231.7	225.8	222.5	220.5	216.0	216.0	217.9
75°	187.8	191.1	181.9	180.6	172.1	166.2	161.0	158.4	152.5	149.9	151.8
77.5°	125.0	124.3	119.8	119.8	116.5	109.3	103.4	97.5	89.7	84.4	85.7
80°	81.1	81.1	79.2	79.2	75.9	70.0	62.8	56.9	52.4	48.4	48.4
82.5°	51.7	51.0	50.4	49.7	48.4	42.5	37.3	33.4	30.1	27.5	28.1
85°	28.8	28.8	27.5	27.5	24.9	21.6	19.0	16.4	14.4	13.7	13.7
87.5°	9.8	9.8	9.2	9.2	7.9	5.9	4.6	3.9	3.3	2.6	3.3
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)