

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: P632362

Luminaire Tested: GWS-SA2C-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632362
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8345.8 lumens
Efficiency: N/A
Efficacy: 132.1 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

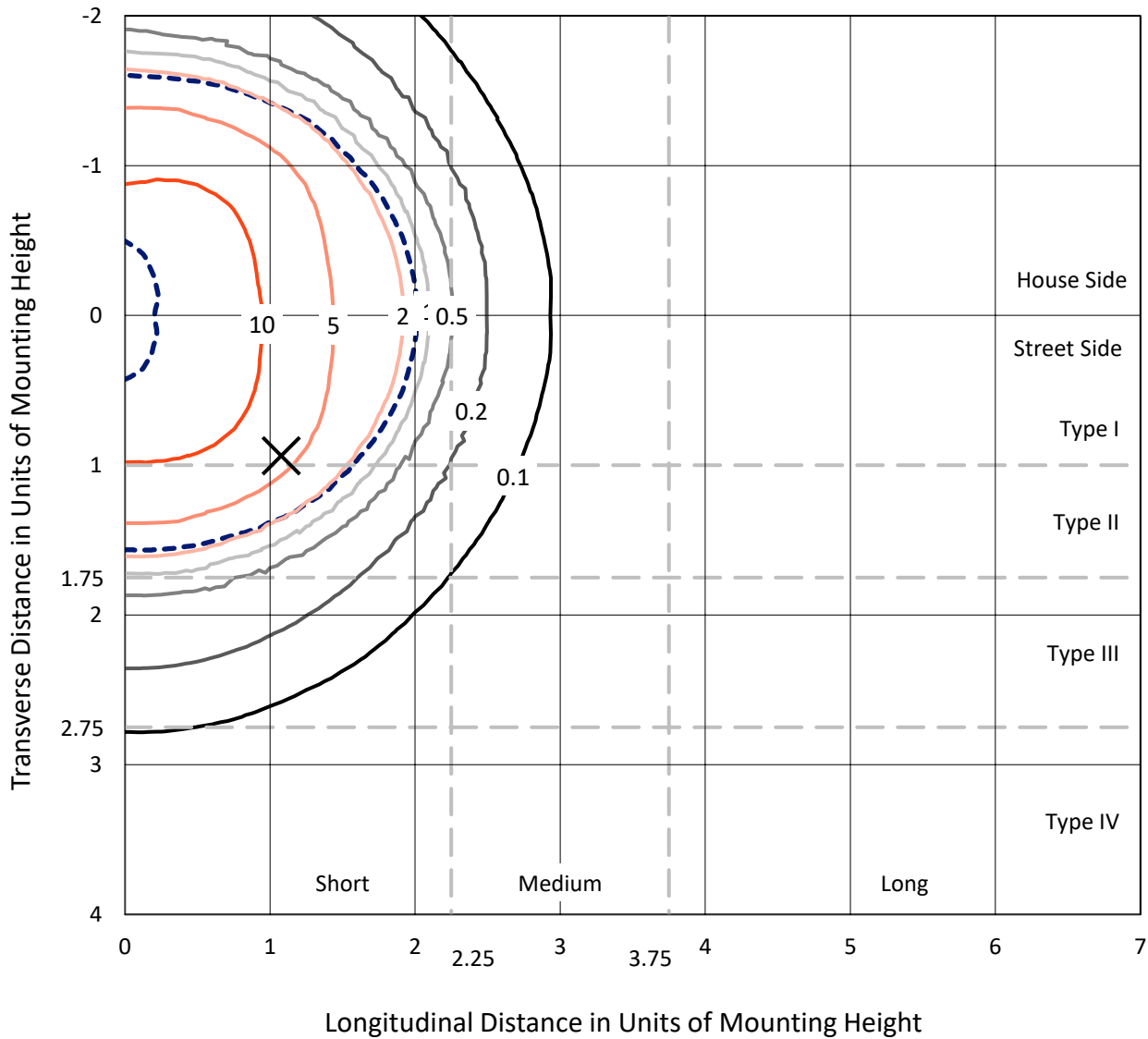


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Iso-Footcandle Lines of Horizontal Illumination

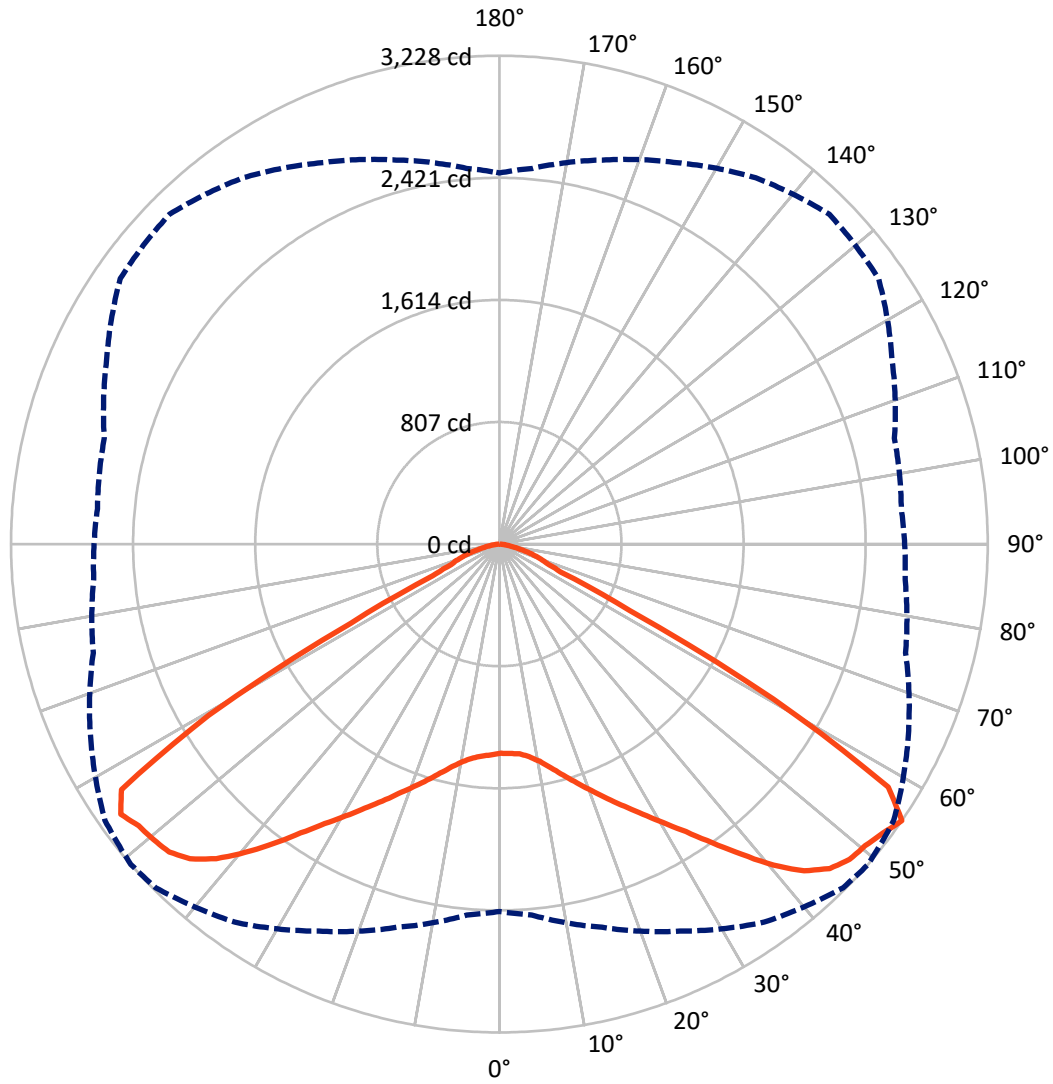
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 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	4132.0	0.0	4132.0
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	4213.8	0.0	4213.8
	% Fixture	50.5	0.0	50.5
Total	Lumens	8345.8	0.0	8345.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	1.6
10°-20°	444.8	5.3
20°-30°	847.3	10.2
30°-40°	1436.4	17.2
40°-50°	2161.6	25.9
50°-60°	2366.1	28.4
60°-70°	748.2	9.0
70°-80°	179.6	2.2
80°-90°	27.0	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°	8345.8	100.0
0°-180°	8345.8	100.0

Coefficient of Utilization



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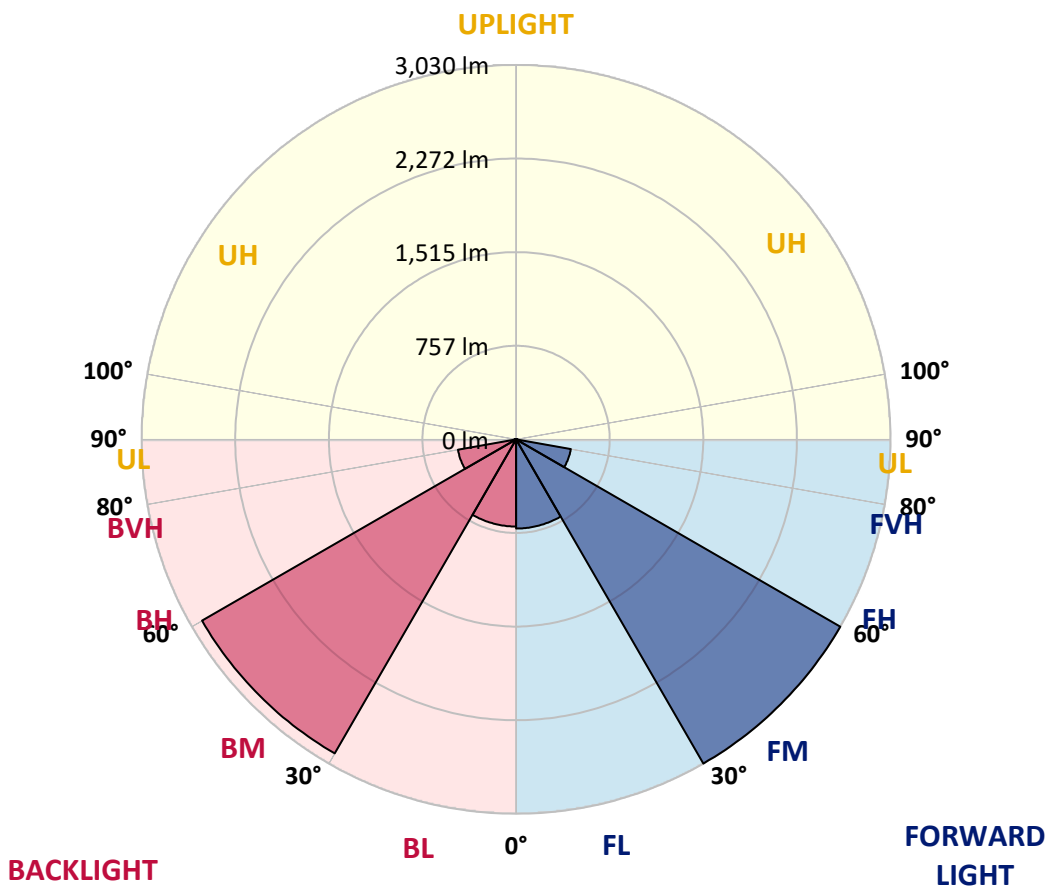
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	721.6	8.6			
FM (30°-60°)	3029.8	36.3			
FH (60°-80°)	450.0	5.4			G0/660
FVH (80°-90°)	12.5	0.1			G1/100
BL (0°-30°)	705.5	8.5	B2/1000		
BM (30°-60°)	2934.3	35.2	B3/5000		
BH (60°-80°)	477.7	5.7	B1/500		G0/660
BVH (80°-90°)	14.5	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°	1382.5	1382.5	1382.5	1382.5	1382.5	1382.5	1382.5	1382.5	1382.5	1382.5	1382.5
2.5°	1362.2	1363.5	1366.2	1371.0	1375.7	1382.5	1385.2	1388.6	1388.0	1392.0	1392.0
5°	1355.4	1357.4	1361.5	1368.3	1376.4	1389.3	1392.7	1400.9	1409.0	1419.2	1422.6
7.5°	1363.5	1366.2	1371.0	1381.9	1394.1	1411.0	1417.8	1431.4	1447.0	1465.3	1472.8
10°	1379.1	1382.5	1390.7	1408.3	1428.0	1453.8	1459.9	1476.9	1502.0	1527.1	1542.0
12.5°	1396.8	1402.2	1417.1	1445.0	1474.2	1508.1	1517.6	1538.6	1565.8	1598.4	1618.7
15°	1417.1	1421.9	1445.0	1484.3	1529.8	1574.6	1585.5	1605.8	1636.4	1668.3	1696.8
17.5°	1459.9	1468.0	1495.2	1540.7	1593.6	1646.6	1658.8	1681.8	1706.3	1731.4	1758.5
20°	1518.3	1525.1	1559.7	1616.0	1678.4	1726.6	1738.9	1759.2	1770.8	1783.7	1806.7
22.5°	1576.6	1586.1	1625.5	1692.0	1765.3	1817.6	1827.1	1846.1	1837.9	1833.9	1848.8
25°	1649.3	1662.2	1700.8	1773.5	1848.1	1912.6	1920.1	1936.4	1922.8	1901.7	1901.1
27.5°	1739.5	1751.1	1791.1	1865.8	1939.8	2006.9	2021.2	2042.9	2013.1	1987.3	1968.9
30°	1846.8	1854.2	1898.4	1977.8	2053.8	2117.6	2135.9	2157.6	2135.2	2092.5	2074.1
32.5°	1971.7	1981.8	2032.7	2116.2	2184.1	2247.9	2266.2	2293.4	2268.9	2220.7	2197.7
35°	2121.6	2131.8	2185.4	2276.4	2345.6	2411.5	2424.4	2446.7	2416.2	2360.6	2342.2
37.5°	2284.5	2297.4	2365.3	2451.5	2524.1	2600.8	2601.5	2608.3	2564.8	2495.6	2475.3
40°	2467.8	2484.8	2552.6	2642.2	2729.8	2792.2	2791.5	2772.5	2699.2	2592.0	2560.8
42.5°	2649.0	2662.6	2731.1	2823.4	2911.0	2970.0	2952.4	2906.2	2800.4	2654.4	2613.0
45°	2780.0	2790.2	2862.1	2966.0	3054.9	3091.5	3059.6	3004.0	2860.8	2693.8	2632.7
47.5°	2841.8	2855.3	2928.0	3031.1	3131.6	3152.6	3114.6	3062.3	2896.1	2730.5	2648.3
50°	2808.5	2826.1	2908.3	3004.0	3117.3	3160.8	3133.6	3081.3	2933.4	2766.4	2676.2
52.5°	2722.3	2739.3	2843.1	2959.2	3087.5	3173.6	3173.0	3130.2	2976.1	2776.6	2677.5
55°	2427.7	2461.0	2622.5	2822.8	3050.8	3211.7	3227.9	3182.5	2982.9	2779.3	2691.8
57.5°	1580.0	1638.4	1791.8	2052.4	2509.9	2921.2	3031.1	3042.0	2934.1	2767.8	2694.5
60°	659.7	706.5	828.0	1001.1	1379.1	1868.5	2081.6	2295.4	2553.3	2647.0	2669.4
62.5°	409.9	414.0	426.2	465.6	591.8	830.7	967.8	1168.1	1551.5	1878.0	2028.7
65°	369.9	371.9	374.6	371.9	378.0	407.2	443.9	513.8	669.9	832.1	1024.9
67.5°	325.8	328.5	330.5	328.5	330.5	331.9	336.0	342.1	370.6	393.7	411.3
70°	263.3	267.4	270.8	269.4	277.6	277.6	281.7	286.4	300.7	317.6	329.9
72.5°	200.9	197.5	201.6	202.9	210.4	214.5	220.6	226.0	242.3	252.5	268.1
75°	130.3	126.9	133.0	136.4	146.6	152.0	157.5	162.9	174.4	181.2	196.1
77.5°	70.6	69.9	76.0	80.8	91.6	98.4	102.5	106.6	116.1	118.1	127.6
80°	40.7	40.7	44.8	48.2	55.0	62.4	66.5	69.9	76.7	78.7	82.8
82.5°	22.4	22.4	24.4	26.5	31.9	36.0	39.4	42.1	48.2	50.2	52.3
85°	10.9	10.2	11.5	12.9	14.9	17.0	19.0	20.4	25.1	26.5	29.2
87.5°	1.4	1.4	1.4	2.0	2.7	4.1	4.8	4.8	7.5	8.8	10.2
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°	1382.5	1382.5	1382.5	1382.5	1382.5	1382.5	1382.5	1382.5	1382.5	1382.5	1382.5
2.5°	1396.1	1387.3	1392.7	1394.7	1394.7	1392.7	1383.9	1381.2	1377.1	1371.0	1371.0
5°	1427.3	1420.5	1421.9	1418.5	1410.4	1400.2	1383.9	1375.7	1369.0	1361.5	1360.8
7.5°	1480.9	1472.1	1470.8	1457.9	1436.2	1414.4	1390.0	1375.1	1364.9	1355.4	1354.7
10°	1550.9	1542.7	1532.5	1506.7	1474.8	1442.9	1409.7	1389.3	1374.4	1360.8	1360.1
12.5°	1628.9	1619.4	1600.4	1562.4	1522.3	1491.1	1453.1	1421.9	1399.5	1381.2	1377.8
15°	1713.7	1700.2	1667.6	1622.8	1583.4	1550.2	1509.5	1464.7	1430.7	1401.5	1398.1
17.5°	1778.9	1761.3	1726.0	1683.9	1651.3	1618.0	1565.1	1508.8	1459.9	1423.3	1417.8
20°	1823.7	1809.4	1769.4	1738.2	1719.2	1690.0	1628.2	1564.4	1509.5	1463.3	1460.6
22.5°	1865.1	1848.1	1808.8	1790.4	1790.4	1770.8	1711.7	1636.4	1571.9	1518.3	1511.5
25°	1911.9	1893.6	1863.7	1861.7	1871.2	1862.4	1791.1	1710.3	1635.0	1574.6	1563.7
27.5°	1977.1	1956.7	1939.1	1951.3	1964.9	1955.4	1876.0	1782.3	1702.9	1641.8	1632.3
30°	2080.9	2055.8	2039.5	2054.5	2080.9	2053.1	1966.9	1867.8	1787.7	1720.5	1715.8
32.5°	2201.7	2173.2	2156.3	2180.0	2203.8	2160.3	2074.8	1979.8	1895.6	1825.1	1816.9
35°	2347.0	2311.0	2285.9	2317.8	2342.2	2299.5	2214.6	2124.4	2030.7	1957.4	1946.5
37.5°	2475.9	2432.5	2415.5	2460.3	2492.9	2465.1	2372.8	2287.9	2185.4	2105.4	2100.6
40°	2569.6	2526.8	2514.6	2588.6	2645.6	2638.8	2556.0	2459.0	2362.6	2270.3	2261.5
42.5°	2610.3	2580.5	2583.2	2682.9	2771.2	2814.6	2740.6	2636.8	2543.8	2448.1	2442.0
45°	2619.1	2600.8	2622.5	2747.4	2863.5	2952.4	2889.3	2802.4	2697.2	2604.9	2602.2
47.5°	2628.6	2618.5	2651.7	2784.1	2921.8	3025.0	2989.7	2900.1	2793.6	2703.3	2696.5
50°	2651.0	2647.0	2684.3	2809.9	2949.7	3044.7	3004.6	2915.7	2806.5	2717.6	2701.3
52.5°	2657.8	2651.0	2704.7	2849.9	2995.8	3044.0	2957.8	2841.8	2731.8	2632.7	2615.7
55°	2678.9	2666.7	2703.3	2864.8	3059.6	3083.4	2955.1	2781.4	2628.0	2492.9	2452.9
57.5°	2684.3	2670.7	2694.5	2840.4	2990.4	2969.4	2597.4	2244.5	1955.4	1805.4	1822.3
60°	2655.1	2659.2	2618.5	2602.2	2398.6	2117.6	1590.2	1271.2	998.4	883.0	908.1
62.5°	2021.2	2038.2	1899.0	1651.3	1269.9	1006.5	665.8	517.2	437.8	417.4	420.8
65°	1020.1	1043.2	898.6	743.2	552.5	446.6	386.2	374.0	369.9	365.1	365.1
67.5°	403.8	410.6	405.2	379.4	352.9	343.4	340.7	339.4	334.6	331.9	332.6
70°	324.4	329.9	321.7	305.4	294.6	293.9	292.5	289.8	286.4	286.4	288.5
72.5°	264.7	270.1	258.6	248.4	240.3	234.2	230.8	228.7	224.0	224.0	226.0
75°	194.8	198.2	188.7	187.3	178.5	172.4	167.0	164.2	158.1	155.4	157.5
77.5°	129.6	129.0	124.2	124.2	120.8	113.3	107.2	101.1	93.0	87.6	88.9
80°	84.2	84.2	82.1	82.1	78.7	72.6	65.2	59.0	54.3	50.2	50.2
82.5°	53.6	52.9	52.3	51.6	50.2	44.1	38.7	34.6	31.2	28.5	29.2
85°	29.9	29.9	28.5	28.5	25.8	22.4	19.7	17.0	14.9	14.3	14.3
87.5°	10.2	10.2	9.5	9.5	8.1	6.1	4.8	4.1	3.4	2.7	3.4
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)