

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: P632582

Luminaire Tested: GWS-SA2D-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632582
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-SA2D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7581.7 lumens
Efficiency: N/A
Efficacy: 92.3 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): 82.1
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

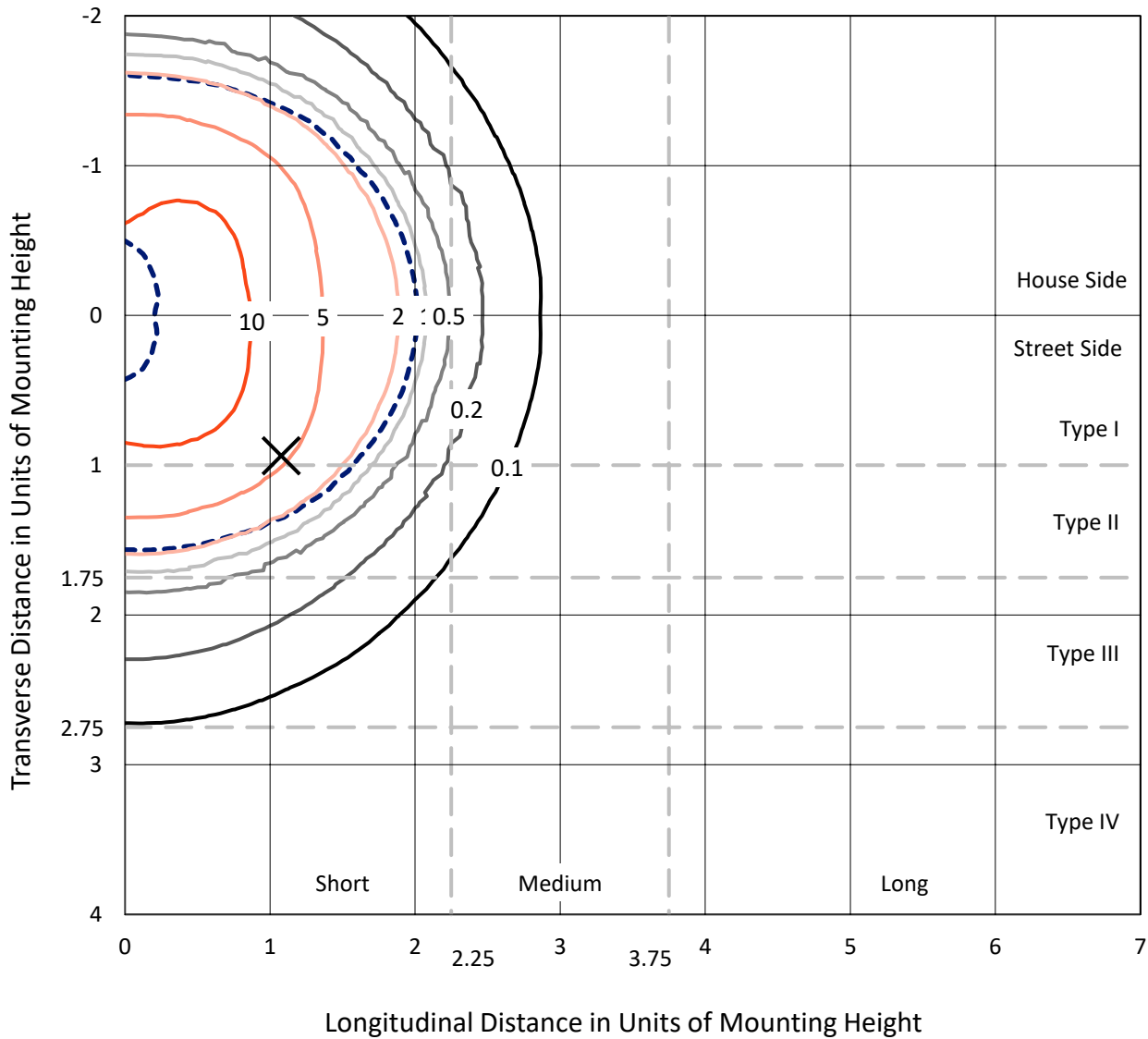


REPORT NUMBER: P632582

CATALOG NUMBER: GWS-SA2D-722-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

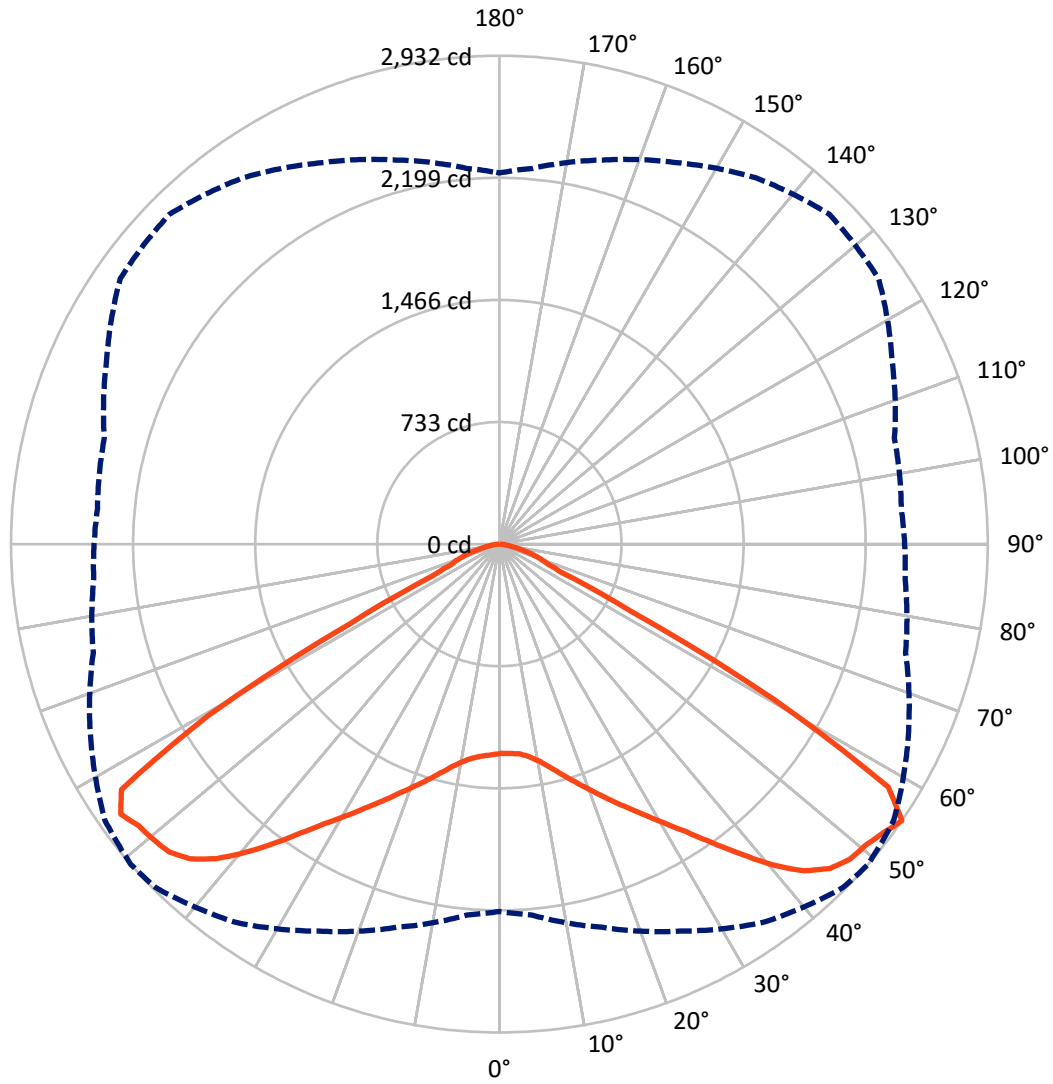
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.9 fc
 Type V - Short - N/A

REPORT NUMBER: P632582
CATALOG NUMBER: GWS-SA2D-722-U-RW-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632582

CATALOG NUMBER: GWS-SA2D-722-U-RW-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3753.7	0.0	3753.7
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	3828.0	0.0	3828.0
	% Fixture	50.5	0.0	50.5
Total	Lumens	7581.7	0.0	7581.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	1.6
10°-20°	404.1	5.3
20°-30°	769.7	10.2
30°-40°	1304.9	17.2
40°-50°	1963.7	25.9
50°-60°	2149.5	28.4
60°-70°	679.7	9.0
70°-80°	163.1	2.2
80°-90°	24.5	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°	7581.7	100.0
0°-180°	7581.7	100.0

Coefficient of Utilization



REPORT NUMBER: P632582

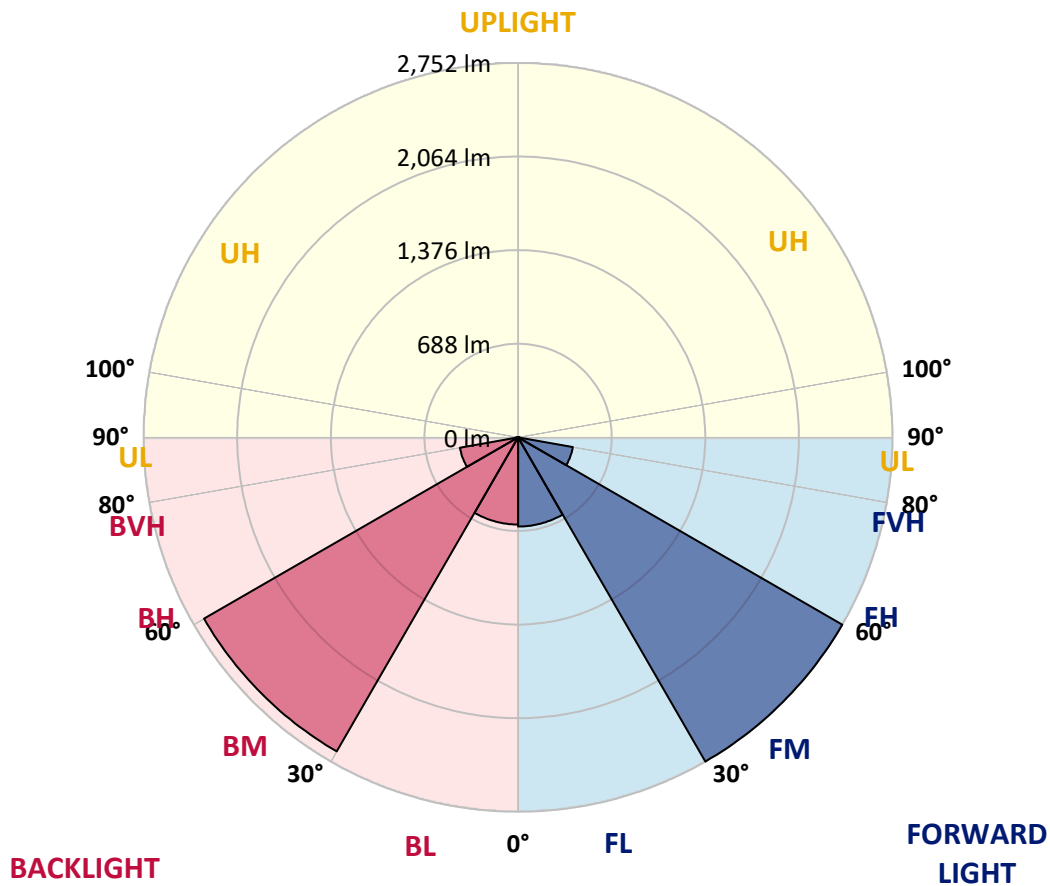
CATALOG NUMBER: GWS-SA2D-722-U-RW-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	655.5	8.6			
FM (30°-60°)	2752.4	36.3			
FH (60°-80°)	408.8	5.4			G0/660
FVH (80°-90°)	11.3	0.1			G1/100
BL (0°-30°)	640.9	8.5	B2/1000		
BM (30°-60°)	2665.7	35.2	B3/5000		
BH (60°-80°)	434.0	5.7	B1/500		G0/660
BVH (80°-90°)	13.1	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





REPORT NUMBER: P632582

CATALOG NUMBER: GWS-SA2D-722-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1256.0	1256.0	1256.0	1256.0	1256.0	1256.0	1256.0	1256.0	1256.0	1256.0	1256.0
2.5°	1237.5	1238.7	1241.2	1245.5	1249.8	1256.0	1258.4	1261.5	1260.9	1264.6	1264.6
5°	1231.3	1233.1	1236.8	1243.0	1250.4	1262.1	1265.2	1272.6	1280.0	1289.2	1292.3
7.5°	1238.7	1241.2	1245.5	1255.3	1266.4	1281.9	1288.0	1300.3	1314.5	1331.2	1338.0
10°	1252.9	1256.0	1263.4	1279.4	1297.3	1320.7	1326.2	1341.7	1364.5	1387.3	1400.8
12.5°	1268.9	1273.8	1287.4	1312.7	1339.2	1370.0	1378.7	1397.8	1422.4	1452.0	1470.5
15°	1287.4	1291.7	1312.7	1348.4	1389.8	1430.4	1440.3	1458.8	1486.6	1515.5	1541.4
17.5°	1326.2	1333.6	1358.3	1399.6	1447.7	1495.8	1506.9	1527.9	1550.1	1572.9	1597.5
20°	1379.3	1385.4	1416.9	1468.1	1524.8	1568.6	1579.7	1598.2	1608.6	1620.3	1641.3
22.5°	1432.3	1440.9	1476.7	1537.1	1603.7	1651.2	1659.8	1677.1	1669.7	1666.0	1679.5
25°	1498.3	1510.0	1545.1	1611.1	1678.9	1737.5	1744.3	1759.1	1746.7	1727.6	1727.0
27.5°	1580.3	1590.8	1627.1	1695.0	1762.2	1823.2	1836.1	1855.9	1828.7	1805.3	1788.7
30°	1677.7	1684.5	1724.5	1796.7	1865.7	1923.7	1940.3	1960.1	1939.7	1900.9	1884.2
32.5°	1791.1	1800.4	1846.6	1922.5	1984.1	2042.1	2058.7	2083.4	2061.2	2017.4	1996.5
35°	1927.4	1936.6	1985.4	2068.0	2130.9	2190.7	2202.4	2222.7	2195.0	2144.4	2127.8
37.5°	2075.4	2087.1	2148.7	2227.1	2293.0	2362.7	2363.3	2369.5	2330.0	2267.1	2248.6
40°	2241.9	2257.3	2318.9	2400.3	2479.8	2536.6	2536.0	2518.7	2452.1	2354.7	2326.3
42.5°	2406.5	2418.8	2481.1	2564.9	2644.5	2698.1	2682.1	2640.2	2544.0	2411.4	2373.8
45°	2525.5	2534.7	2600.1	2694.4	2775.2	2808.5	2779.5	2728.9	2598.8	2447.2	2391.7
47.5°	2581.6	2593.9	2659.9	2753.6	2844.9	2864.0	2829.4	2782.0	2630.9	2480.5	2405.9
50°	2551.4	2567.4	2642.0	2728.9	2831.9	2871.4	2846.7	2799.2	2664.8	2513.1	2431.1
52.5°	2473.1	2488.5	2582.8	2688.2	2804.8	2883.1	2882.5	2843.6	2703.7	2522.4	2432.4
55°	2205.5	2235.7	2382.4	2564.3	2771.5	2917.6	2932.4	2891.1	2709.8	2524.9	2445.3
57.5°	1435.4	1488.4	1627.7	1864.5	2280.1	2653.7	2753.6	2763.5	2665.4	2514.4	2447.8
60°	599.3	641.9	752.2	909.4	1252.9	1697.4	1891.0	2085.2	2319.5	2404.6	2425.0
62.5°	372.4	376.1	387.2	423.0	537.6	754.7	879.2	1061.1	1409.5	1706.1	1842.9
65°	336.0	337.9	340.3	337.9	343.4	369.9	403.2	466.7	608.6	755.9	931.0
67.5°	296.0	298.4	300.3	298.4	300.3	301.5	305.2	310.8	336.6	357.6	373.6
70°	239.2	242.9	246.0	244.8	252.2	252.2	255.9	260.2	273.1	288.6	299.7
72.5°	182.5	179.4	183.1	184.4	191.1	194.8	200.4	205.3	220.1	229.4	243.5
75°	118.4	115.3	120.8	123.9	133.2	138.1	143.0	148.0	158.5	164.6	178.2
77.5°	64.1	63.5	69.1	73.4	83.2	89.4	93.1	96.8	105.4	107.3	115.9
80°	37.0	37.0	40.7	43.8	49.9	56.7	60.4	63.5	69.7	71.5	75.2
82.5°	20.3	20.3	22.2	24.0	29.0	32.7	35.8	38.2	43.8	45.6	47.5
85°	9.9	9.2	10.5	11.7	13.6	15.4	17.3	18.5	22.8	24.0	26.5
87.5°	1.2	1.2	1.2	1.8	2.5	3.7	4.3	4.3	6.8	8.0	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P632582

CATALOG NUMBER: GWS-SA2D-722-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1256.0	1256.0	1256.0	1256.0	1256.0	1256.0	1256.0	1256.0	1256.0	1256.0	1256.0
2.5°	1268.3	1260.3	1265.2	1267.1	1267.1	1265.2	1257.2	1254.7	1251.0	1245.5	1245.5
5°	1296.6	1290.5	1291.7	1288.6	1281.2	1272.0	1257.2	1249.8	1243.6	1236.8	1236.2
7.5°	1345.4	1337.3	1336.1	1324.4	1304.7	1284.9	1262.7	1249.2	1239.9	1231.3	1230.7
10°	1408.9	1401.5	1392.2	1368.8	1339.8	1310.8	1280.6	1262.1	1248.6	1236.2	1235.6
12.5°	1479.8	1471.1	1453.9	1419.3	1383.0	1354.6	1320.1	1291.7	1271.4	1254.7	1251.6
15°	1556.8	1544.5	1514.9	1474.2	1438.5	1408.2	1371.3	1330.6	1299.7	1273.2	1270.1
17.5°	1616.0	1600.0	1567.9	1529.7	1500.1	1469.9	1421.8	1370.6	1326.2	1292.9	1288.0
20°	1656.7	1643.8	1607.4	1579.0	1561.8	1535.3	1479.2	1421.2	1371.3	1329.3	1326.9
22.5°	1694.3	1678.9	1643.2	1626.5	1626.5	1608.6	1555.0	1486.6	1428.0	1379.3	1373.1
25°	1736.9	1720.2	1693.1	1691.3	1699.9	1691.9	1627.1	1553.8	1485.3	1430.4	1420.6
27.5°	1796.1	1777.6	1761.5	1772.6	1785.0	1776.3	1704.2	1619.1	1547.0	1491.5	1482.9
30°	1890.4	1867.6	1852.8	1866.4	1890.4	1865.1	1786.8	1696.8	1624.0	1563.0	1558.7
32.5°	2000.2	1974.3	1958.8	1980.4	2002.0	1962.5	1884.9	1798.5	1722.1	1658.0	1650.6
35°	2132.1	2099.4	2076.6	2105.6	2127.8	2088.9	2011.9	1929.9	1844.8	1778.2	1768.3
37.5°	2249.3	2209.8	2194.4	2235.1	2264.7	2239.4	2155.5	2078.5	1985.4	1912.6	1908.3
40°	2334.3	2295.5	2284.4	2351.6	2403.4	2397.2	2322.0	2233.8	2146.3	2062.4	2054.4
42.5°	2371.3	2344.2	2346.7	2437.3	2517.5	2556.9	2489.7	2395.4	2310.9	2224.0	2218.4
45°	2379.3	2362.7	2382.4	2495.9	2601.3	2682.1	2624.7	2545.8	2450.3	2366.4	2363.9
47.5°	2388.0	2378.7	2408.9	2529.2	2654.3	2748.1	2716.0	2634.6	2537.8	2455.8	2449.6
50°	2408.3	2404.6	2438.5	2552.6	2679.6	2765.9	2729.6	2648.8	2549.5	2468.7	2454.0
52.5°	2414.5	2408.3	2457.0	2589.0	2721.5	2765.3	2687.0	2581.6	2481.7	2391.7	2376.3
55°	2433.6	2422.5	2455.8	2602.5	2779.5	2801.1	2684.5	2526.7	2387.4	2264.7	2228.3
57.5°	2438.5	2426.2	2447.8	2580.3	2716.6	2697.5	2359.6	2039.0	1776.3	1640.1	1655.5
60°	2412.0	2415.7	2378.7	2363.9	2179.0	1923.7	1444.6	1154.8	907.0	802.2	825.0
62.5°	1836.1	1851.6	1725.2	1500.1	1153.6	914.4	604.9	469.8	397.7	379.2	382.3
65°	926.7	947.7	816.3	675.1	501.9	405.7	350.8	339.7	336.0	331.7	331.7
67.5°	366.9	373.0	368.1	344.7	320.6	312.0	309.5	308.3	304.0	301.5	302.1
70°	294.7	299.7	292.3	277.5	267.6	267.0	265.7	263.3	260.2	260.2	262.0
72.5°	240.5	245.4	234.9	225.7	218.3	212.7	209.6	207.8	203.5	203.5	205.3
75°	177.0	180.0	171.4	170.2	162.2	156.6	151.7	149.2	143.7	141.2	143.0
77.5°	117.8	117.1	112.8	112.8	109.7	103.0	97.4	91.9	84.5	79.5	80.8
80°	76.5	76.5	74.6	74.6	71.5	66.0	59.2	53.6	49.3	45.6	45.6
82.5°	48.7	48.1	47.5	46.9	45.6	40.1	35.1	31.4	28.4	25.9	26.5
85°	27.1	27.1	25.9	25.9	23.4	20.3	17.9	15.4	13.6	12.9	12.9
87.5°	9.2	9.2	8.6	8.6	7.4	5.5	4.3	3.7	3.1	2.5	3.1
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)