

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: P630880

Luminaire Tested: GWS-SA1E-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6601.8 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

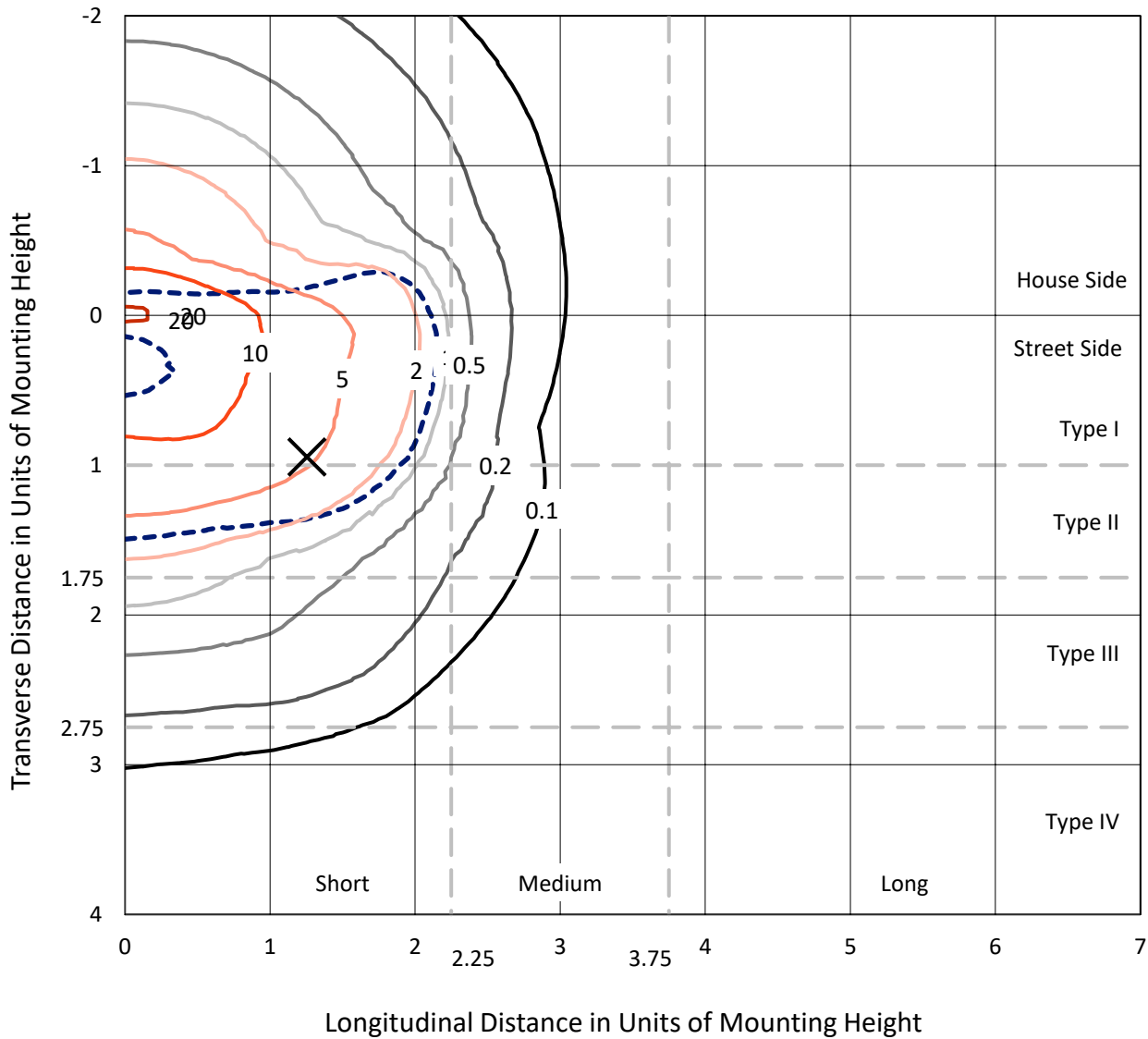
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630880
 CATALOG NUMBER: GWS-SA1E-750-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

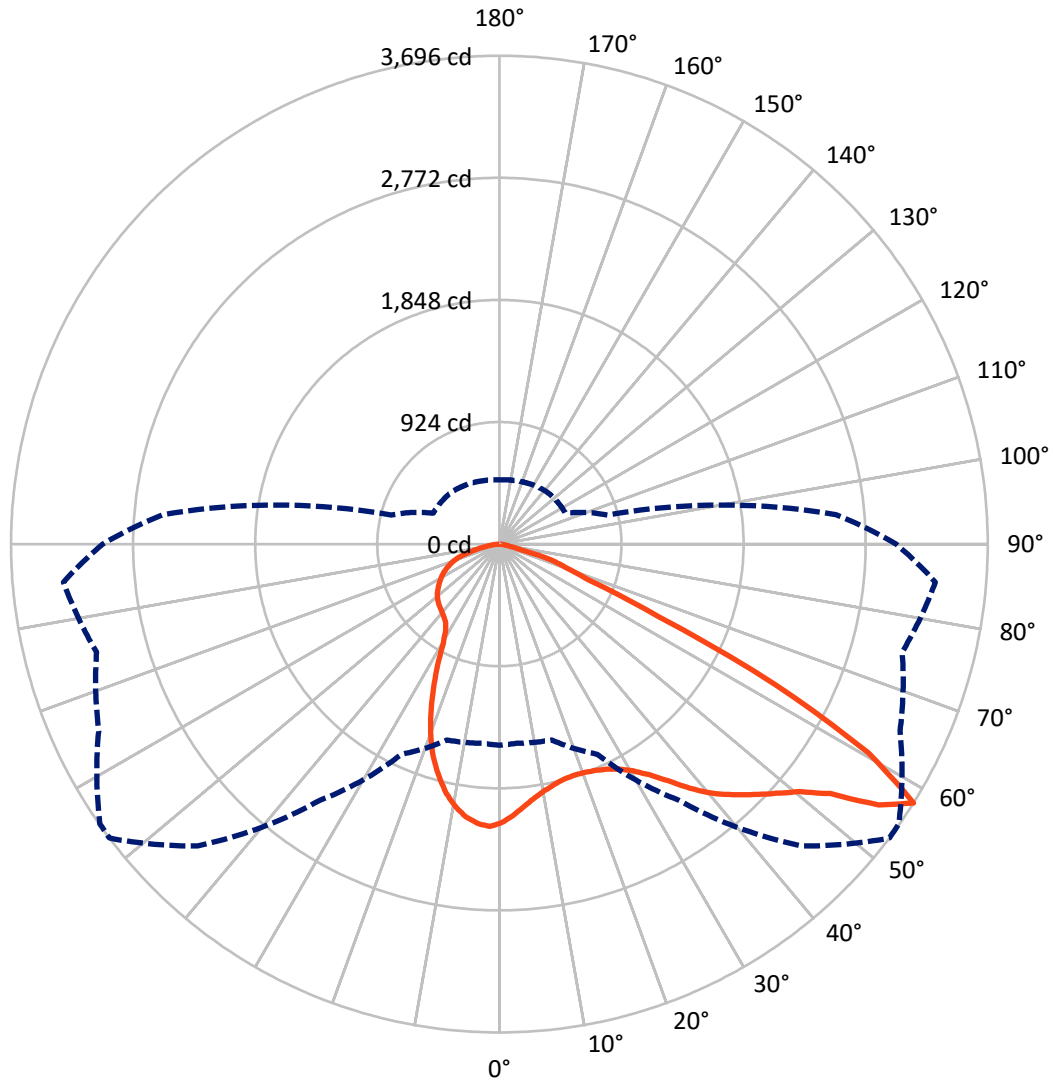
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.1 fc
 Type II - Short - N/A

REPORT NUMBER: P630880
CATALOG NUMBER: GWS-SA1E-750-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P630880

CATALOG NUMBER: GWS-SA1E-750-U-SL2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2064.1	0.0	2064.1
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	4537.7	0.0	4537.7
	% Fixture	68.7	0.0	68.7
Total	Lumens	6601.8	0.0	6601.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.6	2.9
10°-20°	500.1	7.6
20°-30°	736.9	11.2
30°-40°	1031.5	15.6
40°-50°	1355.9	20.5
50°-60°	1589.8	24.1
60°-70°	936.6	14.2
70°-80°	233.0	3.5
80°-90°	27.3	0.4
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°	6601.8	100.0
0°-180°	6601.8	100.0

Coefficient of Utilization



REPORT NUMBER: P630880

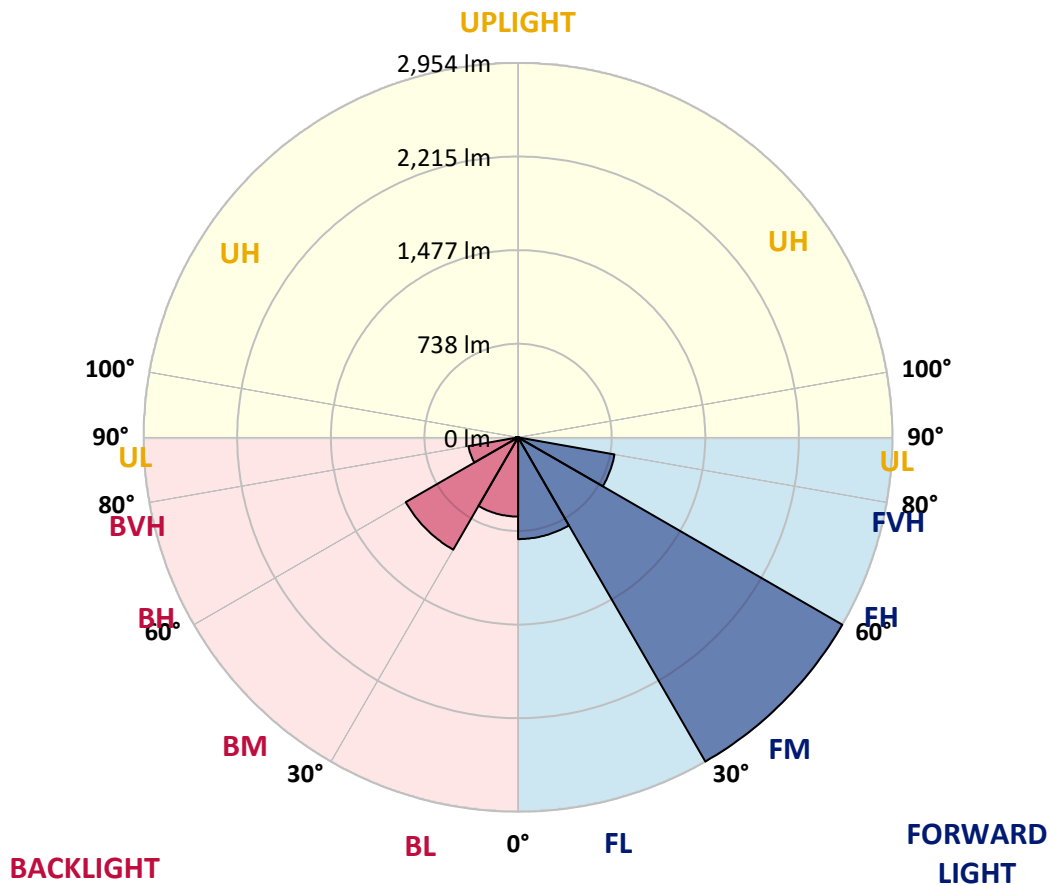
CATALOG NUMBER: GWS-SA1E-750-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	802.6	12.2			
FM (30°-60°)	2953.7	44.7			
FH (60°-80°)	772.2	11.7			G1/1800
FVH (80°-90°)	9.1	0.1			G0/10
BL (0°-30°)	625.0	9.5	B2/1000		
BM (30°-60°)	1023.5	15.5	B2/2500		
BH (60°-80°)	397.4	6.0	B1/500		G1/500
BVH (80°-90°)	18.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





REPORT NUMBER: P630880

CATALOG NUMBER: GWS-SA1E-750-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2108.1	2108.1	2108.1	2108.1	2108.1	2108.1	2108.1	2108.1	2108.1	2108.1	2108.1
2.5°	1987.0	1992.6	1993.7	2010.9	2012.0	2037.0	2053.7	2050.3	2067.6	2088.7	2105.4
5°	1892.0	1892.5	1898.1	1918.7	1929.8	1962.6	1990.3	1990.3	2023.7	2067.0	2104.2
7.5°	1813.6	1813.1	1818.1	1840.9	1859.2	1898.7	1936.4	1940.9	1987.6	2050.9	2111.5
10°	1740.8	1744.7	1750.3	1778.1	1801.4	1850.3	1895.3	1902.5	1961.4	2039.8	2121.5
12.5°	1694.2	1694.7	1703.1	1734.2	1764.2	1816.4	1863.6	1872.5	1940.3	2029.2	2128.7
15°	1664.2	1664.7	1673.6	1708.1	1743.1	1795.9	1844.2	1854.2	1928.1	2027.6	2142.6
17.5°	1650.8	1650.3	1658.6	1693.1	1731.4	1786.4	1838.1	1850.3	1933.7	2040.3	2167.0
20°	1650.8	1651.4	1655.8	1687.0	1725.8	1784.2	1844.2	1859.2	1955.3	2069.2	2204.8
22.5°	1674.2	1676.4	1678.6	1699.7	1730.3	1787.5	1860.3	1880.3	2002.0	2117.6	2254.3
25°	1719.7	1720.3	1722.5	1739.7	1753.6	1797.0	1887.0	1917.0	2074.8	2188.1	2316.5
27.5°	1780.9	1788.6	1790.9	1802.0	1802.0	1820.3	1928.7	1972.0	2173.1	2289.8	2396.0
30°	1866.4	1869.2	1873.1	1885.3	1872.0	1864.2	1989.8	2045.3	2287.1	2412.6	2491.5
32.5°	1941.4	1947.6	1968.7	1988.7	1964.8	1940.3	2079.8	2145.4	2396.5	2540.4	2593.2
35°	2005.3	2020.3	2060.9	2105.4	2088.7	2064.2	2199.3	2267.6	2486.5	2632.1	2683.2
37.5°	2082.6	2094.2	2149.8	2222.0	2237.0	2225.4	2344.8	2393.7	2546.5	2655.4	2732.1
40°	2160.9	2178.7	2250.4	2350.4	2407.6	2416.0	2479.3	2512.1	2567.1	2609.9	2722.7
42.5°	2240.9	2271.5	2369.8	2486.5	2588.2	2607.1	2592.7	2606.6	2560.4	2547.1	2678.8
45°	2338.7	2374.8	2486.0	2634.9	2768.8	2798.2	2703.8	2691.0	2559.3	2523.2	2651.6
47.5°	2454.3	2490.4	2596.5	2769.9	2941.1	2962.7	2817.7	2794.4	2598.2	2559.9	2688.2
50°	2556.5	2581.5	2676.6	2870.5	3101.6	3114.4	2943.3	2914.9	2694.9	2661.6	2802.7
52.5°	2452.6	2449.9	2549.9	2788.8	3185.0	3338.9	3136.6	3109.4	2881.6	2830.5	2979.9
55°	2080.9	2049.2	2138.7	2373.7	2952.2	3538.4	3483.4	3428.9	3130.5	3000.5	3146.1
57.5°	1521.4	1512.5	1534.1	1754.7	2364.8	3229.4	3695.6	3690.6	3345.6	3156.1	3311.7
60°	1189.6	1176.3	1118.5	1124.6	1611.9	2522.6	3207.2	3354.5	3478.9	3249.4	3427.2
62.5°	1056.3	1046.3	1016.3	933.5	960.2	1691.4	2351.0	2486.0	3040.0	2869.9	2943.8
65°	874.6	871.8	896.8	893.5	804.6	934.0	1326.9	1463.0	1911.4	1935.3	1911.4
67.5°	635.7	630.7	694.0	819.0	774.6	705.1	739.6	786.8	980.2	880.1	792.4
70°	413.4	406.2	442.9	591.8	693.5	614.5	532.9	525.1	539.0	335.1	362.3
72.5°	277.3	268.9	268.4	325.6	419.0	414.0	412.8	409.0	365.1	264.5	293.4
75°	154.5	147.8	146.1	140.6	150.0	152.8	162.8	168.4	182.3	200.6	222.3
77.5°	26.1	25.6	32.2	41.1	56.7	72.8	90.0	95.0	117.2	138.9	152.8
80°	14.4	15.0	19.4	23.9	31.7	43.3	55.6	58.9	72.2	83.9	95.0
82.5°	7.8	7.8	10.0	12.8	17.2	22.8	30.0	32.8	41.7	48.9	56.7
85°	2.8	2.8	3.9	5.0	7.2	9.4	11.7	13.3	18.3	25.0	28.3
87.5°	0.0	0.0	0.0	0.0	0.6	1.1	2.2	2.2	2.8	5.0	7.2
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: P630880

CATALOG NUMBER: GWS-SA1E-750-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2108.1	2108.1	2108.1	2108.1	2108.1	2108.1	2108.1	2108.1	2108.1	2108.1	2108.1
2.5°	2119.2	2104.2	2124.8	2134.2	2137.6	2139.8	2125.4	2115.4	2112.0	2101.5	2095.4
5°	2127.0	2117.0	2136.5	2136.5	2122.6	2108.1	2078.7	2058.1	2043.7	2026.5	2023.7
7.5°	2140.4	2133.1	2143.7	2122.0	2087.0	2048.1	1997.0	1957.0	1924.8	1903.7	1904.2
10°	2158.1	2149.3	2140.9	2092.6	2028.7	1957.0	1878.6	1820.3	1767.0	1742.5	1729.2
12.5°	2169.8	2157.0	2122.0	2042.0	1948.1	1852.0	1741.4	1654.7	1577.5	1542.5	1539.7
15°	2184.3	2160.9	2090.9	1976.4	1845.9	1714.7	1572.5	1451.9	1347.4	1293.0	1290.2
17.5°	2203.1	2164.8	2053.7	1901.4	1738.1	1544.7	1365.8	1214.1	1103.0	1060.7	1068.0
20°	2229.8	2169.3	2011.5	1818.1	1604.2	1351.3	1128.5	989.1	946.3	943.5	937.9
22.5°	2259.8	2172.0	1964.8	1724.7	1441.9	1145.2	932.4	872.9	872.4	886.3	889.6
25°	2293.7	2174.3	1912.0	1615.8	1266.3	939.6	824.6	806.8	820.7	846.8	850.1
27.5°	2337.1	2178.7	1848.1	1496.4	1079.6	811.8	765.1	760.7	777.4	801.8	800.7
30°	2401.0	2194.8	1780.3	1359.1	887.9	751.2	729.0	729.6	736.2	747.9	749.6
32.5°	2466.0	2219.8	1714.2	1204.6	777.9	716.8	706.8	705.7	705.7	710.7	711.8
35°	2527.6	2248.2	1642.5	1043.5	724.6	696.8	690.1	686.8	685.1	684.0	682.3
37.5°	2562.1	2262.0	1572.5	884.6	696.2	683.4	676.8	672.3	666.2	661.8	660.7
40°	2547.1	2245.9	1491.4	765.7	679.0	670.7	662.9	656.8	648.4	644.6	642.3
42.5°	2497.1	2195.9	1403.0	709.6	665.1	656.8	647.3	637.3	631.8	628.4	627.9
45°	2444.3	2135.4	1296.3	676.8	651.8	641.8	630.7	619.5	613.4	611.8	611.2
47.5°	2442.6	2105.4	1183.0	650.7	635.7	625.7	611.8	600.7	594.0	591.8	589.5
50°	2516.0	2135.9	1055.2	627.9	619.0	608.4	592.9	580.7	572.3	569.5	569.0
52.5°	2668.2	2250.9	940.7	605.1	596.8	584.5	571.8	559.5	549.5	544.5	544.0
55°	2832.7	2397.1	869.6	581.8	570.7	560.1	548.4	535.1	524.0	516.2	515.1
57.5°	3002.7	2556.5	847.9	552.3	544.0	536.8	522.9	508.4	495.6	488.4	486.7
60°	3142.8	2693.8	888.5	521.2	516.8	507.3	494.5	480.6	471.7	466.2	465.1
62.5°	2631.0	2193.1	717.3	487.3	487.3	477.3	462.9	452.9	446.7	442.9	441.7
65°	1669.7	1358.0	489.5	453.4	452.9	439.5	427.3	420.6	417.8	411.7	410.6
67.5°	727.3	620.7	418.4	419.0	416.7	402.3	390.1	385.1	379.5	372.8	372.3
70°	377.3	384.5	374.5	380.6	376.7	359.5	347.8	340.1	328.4	321.7	322.3
72.5°	304.5	312.3	323.4	332.8	324.5	310.6	292.3	282.8	267.8	260.6	261.2
75°	232.3	240.6	251.2	261.2	254.5	237.3	225.6	216.1	198.9	190.6	192.3
77.5°	160.0	164.5	177.3	176.7	174.5	169.5	152.2	141.1	123.4	113.4	114.5
80°	99.5	102.2	108.4	111.1	110.0	103.4	89.5	81.1	70.6	64.5	65.0
82.5°	60.0	61.7	67.2	67.8	67.2	62.2	51.7	45.6	38.9	35.6	35.6
85°	30.6	31.7	35.0	35.0	31.7	26.7	23.9	21.1	17.2	15.6	15.6
87.5°	8.3	8.3	10.6	8.9	7.2	6.7	3.3	2.8	1.1	0.6	0.6
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)