

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: P632585

Luminaire Tested: GWS-SA2D-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632585
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-SA2D-722-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR 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: 7325.2 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

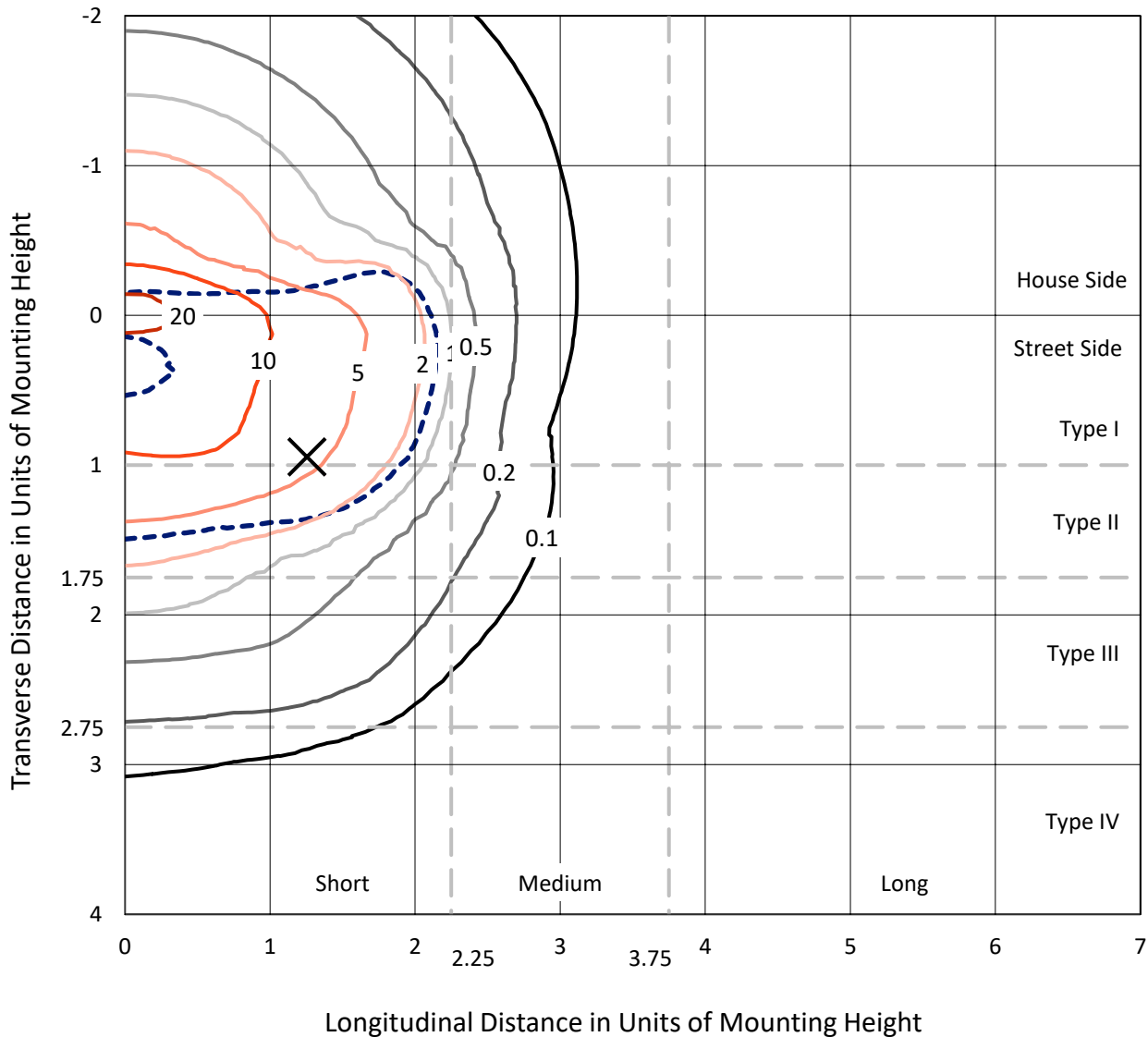
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

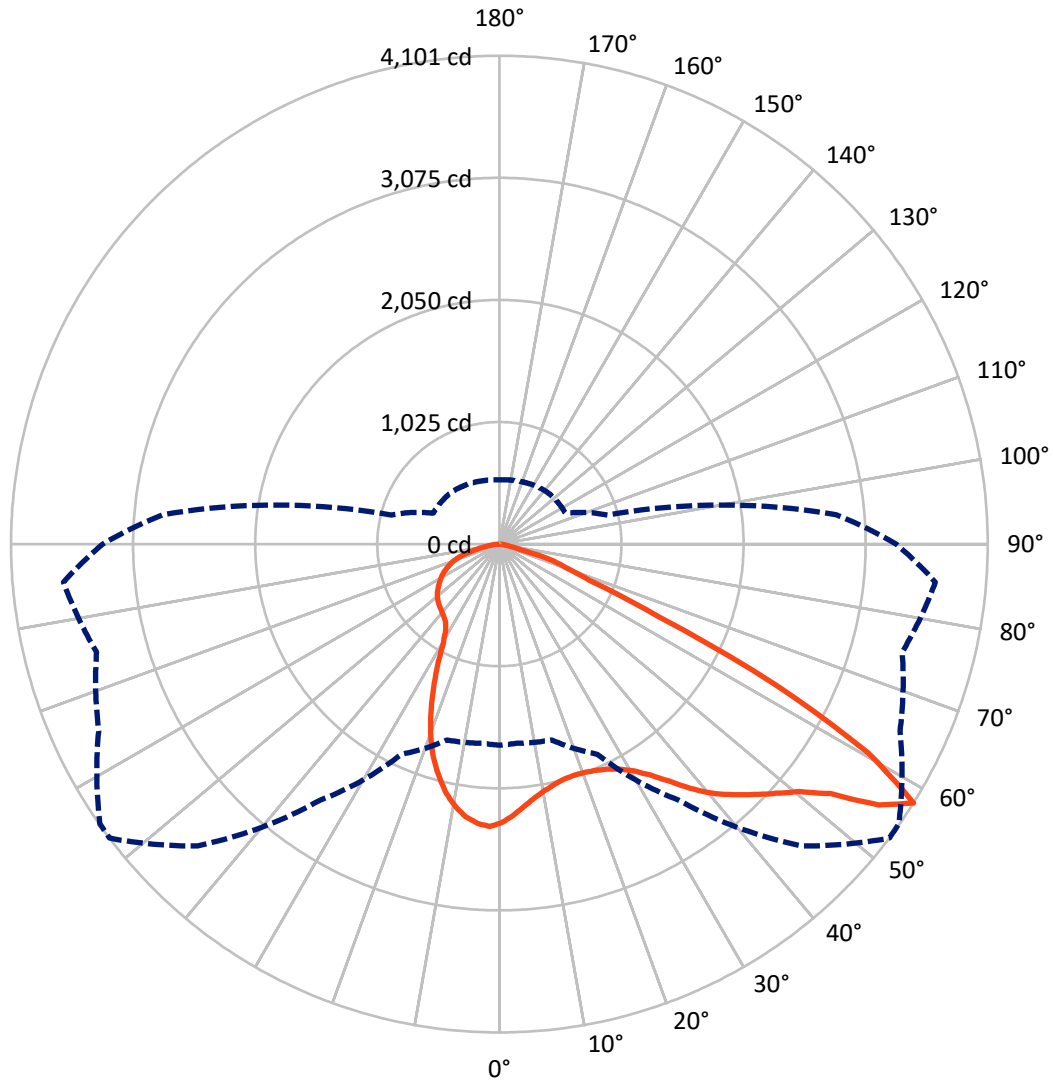
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2290.3	0.0	2290.3
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	5034.9	0.0	5034.9
	% Fixture	68.7	0.0	68.7
Total	Lumens	7325.2	0.0	7325.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.5	2.9
10°-20°	555.0	7.6
20°-30°	817.6	11.2
30°-40°	1144.5	15.6
40°-50°	1504.5	20.5
50°-60°	1764.0	24.1
60°-70°	1039.2	14.2
70°-80°	258.5	3.5
80°-90°	30.3	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°	7325.2	100.0
0°-180°	7325.2	100.0

Coefficient of Utilization



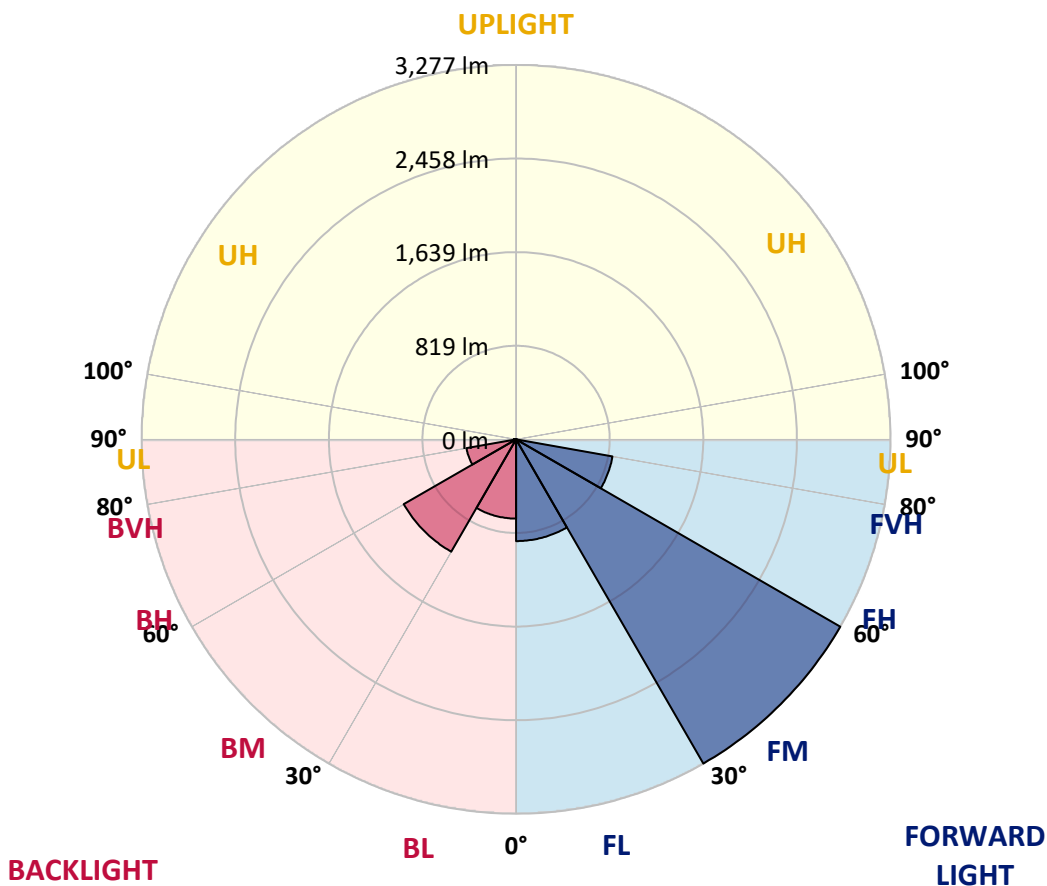
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	890.6	12.2			
FM (30°-60°)	3277.4	44.7			
FH (60°-80°)	856.8	11.7			G1/1800
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	693.5	9.5	B2/1000		
BM (30°-60°)	1135.7	15.5	B2/2500		
BH (60°-80°)	441.0	6.0	B1/500		G1/500
BVH (80°-90°)	20.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2339.1	2339.1	2339.1	2339.1	2339.1	2339.1	2339.1	2339.1	2339.1	2339.1	2339.1
2.5°	2204.7	2210.9	2212.1	2231.2	2232.5	2260.2	2278.7	2275.0	2294.1	2317.6	2336.1
5°	2099.3	2099.9	2106.1	2128.9	2141.2	2177.6	2208.4	2208.4	2245.4	2293.5	2334.8
7.5°	2012.4	2011.8	2017.3	2042.6	2062.9	2106.7	2148.6	2153.6	2205.3	2275.6	2342.8
10°	1931.6	1935.9	1942.1	1972.9	1998.8	2053.1	2103.0	2111.0	2176.4	2263.3	2353.9
12.5°	1879.8	1880.4	1889.7	1924.2	1957.5	2015.5	2067.9	2077.7	2152.9	2251.6	2361.9
15°	1846.5	1847.1	1857.0	1895.2	1934.1	1992.6	2046.3	2057.4	2139.4	2249.7	2377.4
17.5°	1831.7	1831.1	1840.4	1878.6	1921.1	1982.2	2039.5	2053.1	2145.5	2263.9	2404.5
20°	1831.7	1832.3	1837.3	1871.8	1915.0	1979.7	2046.3	2062.9	2169.6	2296.0	2446.4
22.5°	1857.6	1860.1	1862.6	1886.0	1919.9	1983.4	2064.2	2086.4	2221.4	2349.6	2501.3
25°	1908.2	1908.8	1911.3	1930.4	1945.8	1993.9	2093.8	2127.0	2302.1	2427.9	2570.3
27.5°	1976.0	1984.6	1987.1	1999.4	1999.4	2019.8	2140.0	2188.1	2411.3	2540.7	2658.5
30°	2070.9	2074.0	2078.3	2091.9	2077.1	2068.5	2207.8	2269.5	2537.7	2677.0	2764.5
32.5°	2154.2	2161.0	2184.4	2206.6	2180.1	2152.9	2307.7	2380.4	2659.1	2818.8	2877.4
35°	2225.1	2241.7	2286.7	2336.1	2317.6	2290.4	2440.2	2516.1	2759.0	2920.5	2977.2
37.5°	2310.8	2323.7	2385.4	2465.5	2482.2	2469.2	2601.8	2656.0	2825.6	2946.4	3031.5
40°	2397.7	2417.4	2497.0	2607.9	2671.4	2680.7	2751.0	2787.4	2848.4	2895.9	3021.0
42.5°	2486.5	2520.4	2629.5	2759.0	2871.8	2892.8	2876.8	2892.2	2841.0	2826.2	2972.3
45°	2595.0	2635.1	2758.4	2923.6	3072.2	3104.9	3000.1	2985.9	2839.8	2799.7	2942.1
47.5°	2723.2	2763.3	2881.1	3073.4	3263.3	3287.4	3126.4	3100.6	2882.9	2840.4	2982.8
50°	2836.7	2864.4	2969.8	3185.0	3441.5	3455.7	3265.8	3234.3	2990.2	2953.2	3109.8
52.5°	2721.4	2718.3	2829.3	3094.4	3534.0	3704.8	3480.3	3450.1	3197.4	3140.6	3306.5
55°	2308.9	2273.8	2373.0	2633.8	3275.7	3926.1	3865.1	3804.6	3473.6	3329.3	3490.8
57.5°	1688.1	1678.2	1702.3	1947.0	2624.0	3583.3	4100.6	4095.0	3712.2	3501.9	3674.5
60°	1320.0	1305.2	1241.1	1247.9	1788.6	2799.1	3558.6	3722.0	3860.1	3605.5	3802.8
62.5°	1172.0	1160.9	1127.6	1035.8	1065.4	1876.7	2608.6	2758.4	3373.1	3184.4	3266.4
65°	970.4	967.3	995.1	991.4	892.7	1036.4	1472.3	1623.3	2120.9	2147.4	2120.9
67.5°	705.3	699.8	770.1	908.8	859.4	782.4	820.6	873.0	1087.6	976.6	879.2
70°	458.7	450.7	491.4	656.6	769.4	681.9	591.3	582.6	598.0	371.8	402.0
72.5°	307.7	298.4	297.8	361.3	464.9	459.3	458.1	453.8	405.1	293.5	325.5
75°	171.4	164.0	162.1	156.0	166.5	169.5	180.6	186.8	202.2	222.6	246.6
77.5°	29.0	28.4	35.8	45.6	62.9	80.8	99.9	105.4	130.1	154.1	169.5
80°	16.0	16.6	21.6	26.5	35.1	48.1	61.7	65.4	80.1	93.1	105.4
82.5°	8.6	8.6	11.1	14.2	19.1	25.3	33.3	36.4	46.2	54.3	62.9
85°	3.1	3.1	4.3	5.5	8.0	10.5	12.9	14.8	20.3	27.7	31.4
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.5	2.5	3.1	5.5	8.0
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°	2339.1	2339.1	2339.1	2339.1	2339.1	2339.1	2339.1	2339.1	2339.1	2339.1	2339.1
2.5°	2351.5	2334.8	2357.6	2368.1	2371.8	2374.3	2358.2	2347.1	2343.5	2331.7	2325.0
5°	2360.1	2349.0	2370.6	2370.6	2355.2	2339.1	2306.5	2283.6	2267.6	2248.5	2245.4
7.5°	2374.9	2366.9	2378.6	2354.5	2315.7	2272.5	2215.8	2171.4	2135.7	2112.2	2112.9
10°	2394.6	2384.8	2375.5	2321.9	2251.0	2171.4	2084.5	2019.8	1960.6	1933.5	1918.7
12.5°	2407.6	2393.4	2354.5	2265.8	2161.6	2054.9	1932.2	1836.0	1750.3	1711.5	1708.4
15°	2423.6	2397.7	2320.0	2193.0	2048.1	1902.6	1744.8	1611.0	1495.1	1434.7	1431.6
17.5°	2444.6	2402.0	2278.7	2109.8	1928.5	1714.0	1515.4	1347.1	1223.8	1177.0	1185.0
20°	2474.2	2407.0	2231.9	2017.3	1779.9	1499.4	1252.2	1097.4	1050.0	1046.9	1040.7
22.5°	2507.4	2410.0	2180.1	1913.7	1599.9	1270.7	1034.5	968.6	968.0	983.4	987.1
25°	2545.1	2412.5	2121.5	1792.9	1405.1	1042.6	914.9	895.2	910.6	939.6	943.3
27.5°	2593.1	2417.4	2050.6	1660.3	1197.9	900.8	849.0	844.0	862.5	889.7	888.4
30°	2664.0	2435.3	1975.4	1508.0	985.2	833.6	808.9	809.5	816.9	829.9	831.7
32.5°	2736.2	2463.1	1902.0	1336.6	863.1	795.3	784.2	783.0	783.0	788.5	789.8
35°	2804.6	2494.5	1822.5	1157.9	804.0	773.1	765.7	762.0	760.2	759.0	757.1
37.5°	2842.8	2509.9	1744.8	981.5	772.5	758.3	750.9	746.0	739.2	734.3	733.1
40°	2826.2	2492.0	1654.8	849.6	753.4	744.2	735.5	728.7	719.5	715.2	712.7
42.5°	2770.7	2436.5	1556.8	787.3	738.0	728.7	718.3	707.2	701.0	697.3	696.7
45°	2712.1	2369.3	1438.4	750.9	723.2	712.1	699.8	687.4	680.7	678.8	678.2
47.5°	2710.3	2336.1	1312.6	722.0	705.3	694.2	678.8	666.5	659.1	656.6	654.1
50°	2791.7	2370.0	1170.8	696.7	686.8	675.1	657.8	644.3	635.0	631.9	631.3
52.5°	2960.6	2497.6	1043.8	671.4	662.2	648.6	634.4	620.9	609.8	604.2	603.6
55°	3143.1	2659.7	964.9	645.5	633.2	621.5	608.5	593.7	581.4	572.8	571.5
57.5°	3331.8	2836.7	940.8	612.8	603.6	595.6	580.2	564.1	549.9	541.9	540.1
60°	3487.1	2989.0	985.8	578.3	573.4	562.9	548.7	533.3	523.4	517.3	516.0
62.5°	2919.3	2433.5	795.9	540.7	540.7	529.6	513.6	502.5	495.7	491.4	490.1
65°	1852.7	1506.8	543.2	503.1	502.5	487.7	474.1	466.7	463.6	456.9	455.6
67.5°	807.0	688.7	464.3	464.9	462.4	446.4	432.8	427.3	421.1	413.7	413.1
70°	418.6	426.6	415.5	422.3	418.0	398.9	386.0	377.3	364.4	357.0	357.6
72.5°	337.9	346.5	358.8	369.3	360.1	344.6	324.3	313.8	297.2	289.2	289.8
75°	257.7	267.0	278.7	289.8	282.4	263.3	250.3	239.8	220.7	211.5	213.3
77.5°	177.6	182.5	196.7	196.1	193.6	188.0	168.9	156.6	136.9	125.8	127.0
80°	110.4	113.4	120.2	123.3	122.1	114.7	99.3	90.0	78.3	71.5	72.1
82.5°	66.6	68.4	74.6	75.2	74.6	69.1	57.3	50.6	43.2	39.5	39.5
85°	33.9	35.1	38.8	38.8	35.1	29.6	26.5	23.4	19.1	17.3	17.3
87.5°	9.2	9.2	11.7	9.9	8.0	7.4	3.7	3.1	1.2	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)