

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: P632255

Luminaire Tested: GWS-SA2C-735-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632255
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-SA2C-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7774.8 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

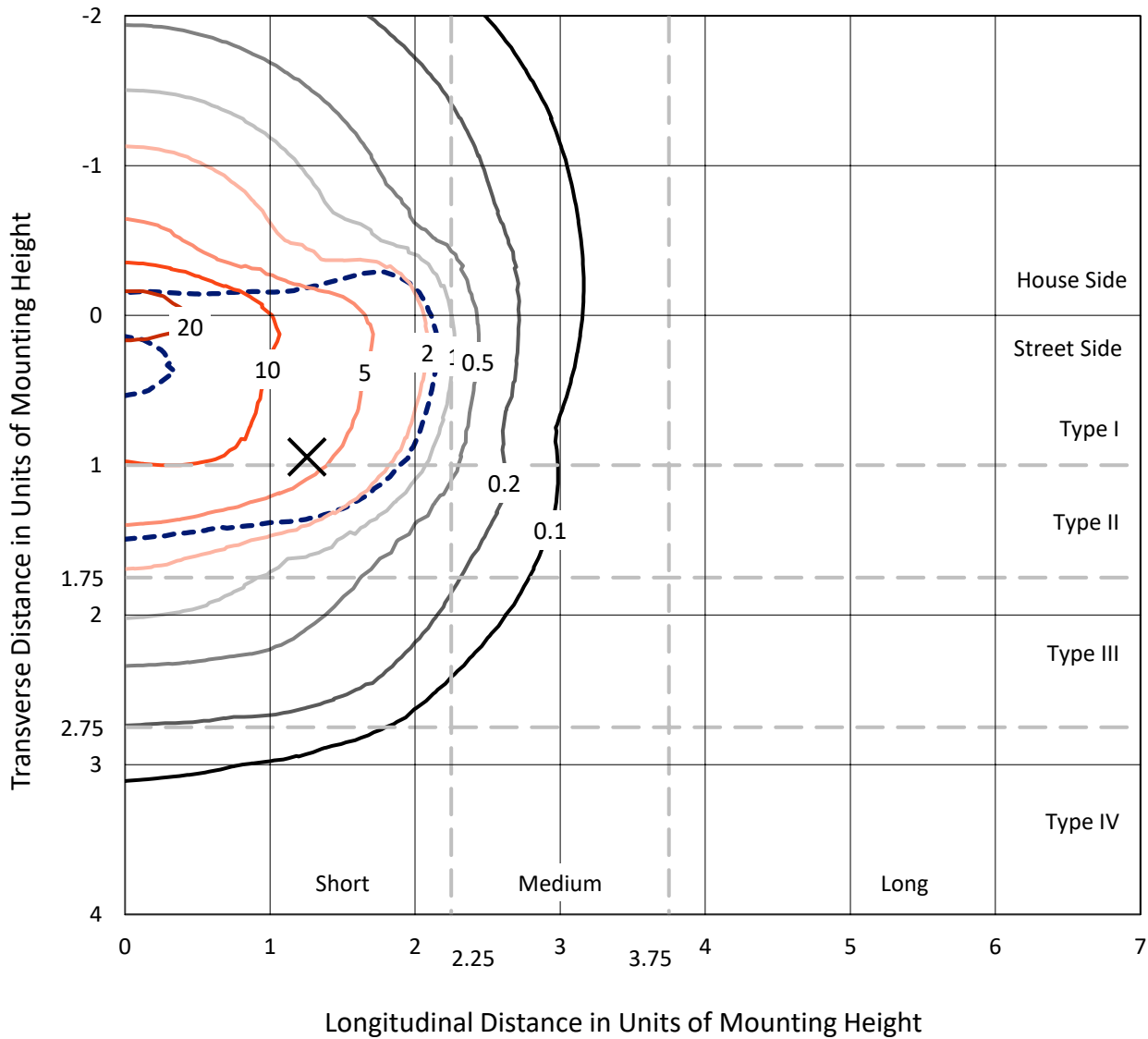
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

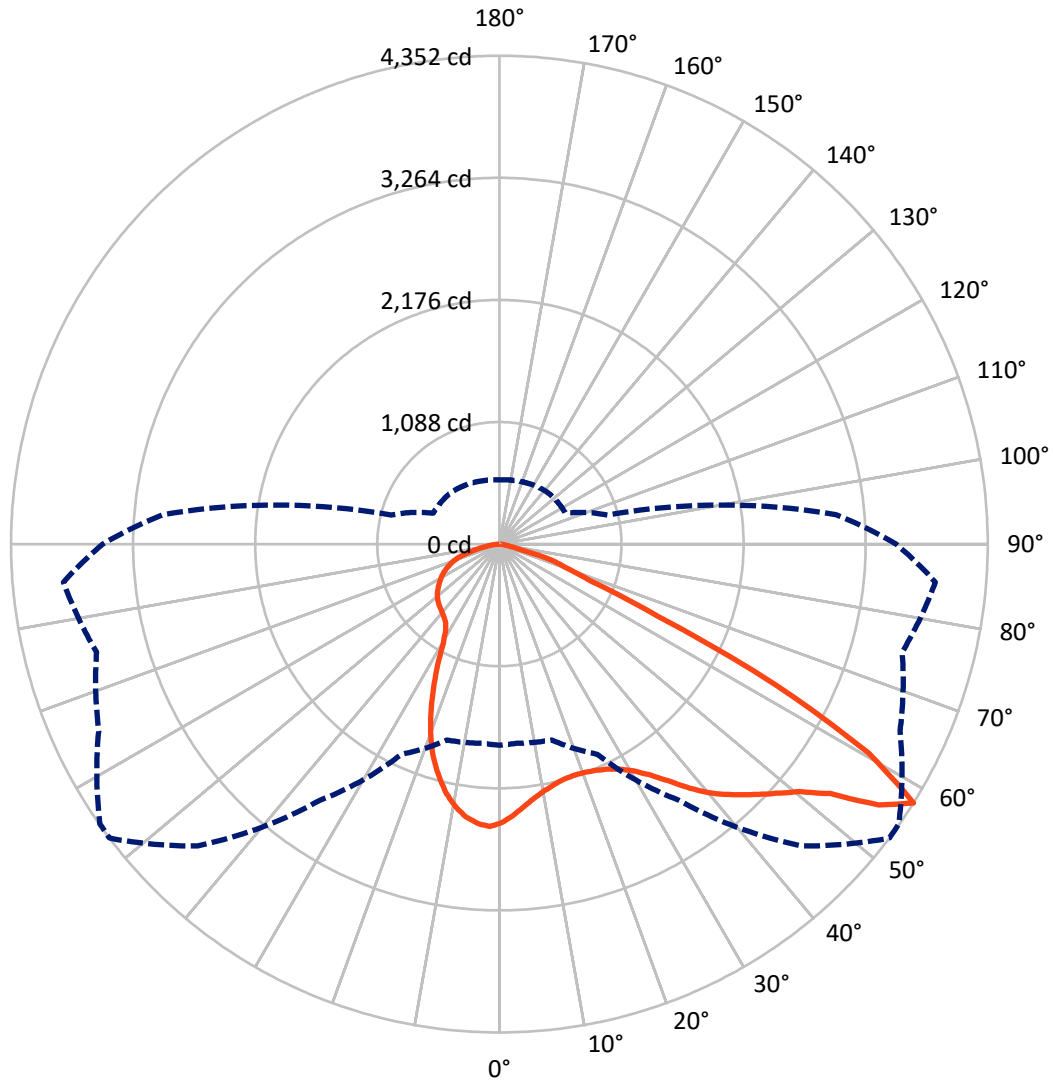
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.8 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	2430.9	0.0	2430.9
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	5343.9	0.0	5343.9
	% Fixture	68.7	0.0	68.7
Total	Lumens	7774.8	0.0	7774.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.5	2.9
10°-20°	589.0	7.6
20°-30°	867.8	11.2
30°-40°	1214.7	15.6
40°-50°	1596.8	20.5
50°-60°	1872.3	24.1
60°-70°	1103.0	14.2
70°-80°	274.4	3.5
80°-90°	32.2	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°	7774.8	100.0
0°-180°	7774.8	100.0

Coefficient of Utilization



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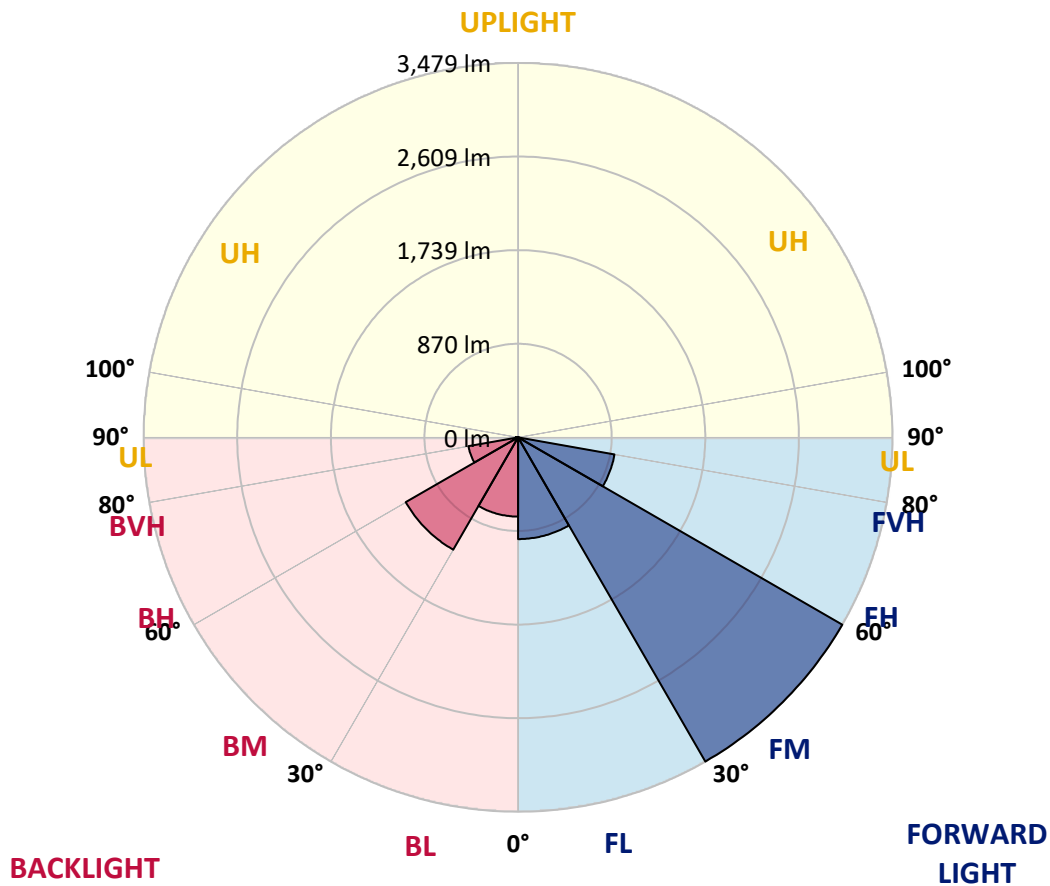
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	945.3	12.2			
FM (30°-60°)	3478.5	44.7			
FH (60°-80°)	909.4	11.7			G1/1800
FVH (80°-90°)	10.8	0.1			G1/100
BL (0°-30°)	736.1	9.5	B2/1000		
BM (30°-60°)	1205.4	15.5	B2/2500		
BH (60°-80°)	468.0	6.0	B1/500		G1/500
BVH (80°-90°)	21.4	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°	2482.7	2482.7	2482.7	2482.7	2482.7	2482.7	2482.7	2482.7	2482.7	2482.7	2482.7
2.5°	2340.0	2346.6	2347.9	2368.2	2369.5	2398.9	2418.6	2414.6	2434.9	2459.8	2479.4
5°	2228.2	2228.8	2235.3	2259.6	2272.6	2311.3	2344.0	2344.0	2383.2	2434.3	2478.1
7.5°	2135.9	2135.2	2141.1	2167.9	2189.5	2236.0	2280.5	2285.7	2340.7	2415.3	2486.6
10°	2050.2	2054.7	2061.3	2094.0	2121.5	2179.1	2232.1	2240.6	2309.9	2402.2	2498.4
12.5°	1995.2	1995.8	2005.7	2042.3	2077.6	2139.2	2194.8	2205.2	2285.1	2389.8	2506.9
15°	1959.9	1960.5	1971.0	2011.6	2052.8	2114.9	2171.9	2183.7	2270.7	2387.8	2523.3
17.5°	1944.2	1943.5	1953.3	1993.9	2039.0	2103.8	2164.7	2179.1	2277.2	2402.9	2552.1
20°	1944.2	1944.8	1950.0	1986.7	2032.5	2101.2	2171.9	2189.5	2302.8	2436.9	2596.6
22.5°	1971.6	1974.3	1976.9	2001.7	2037.7	2105.1	2190.9	2214.4	2357.7	2493.8	2654.8
25°	2025.3	2025.9	2028.6	2048.9	2065.2	2116.3	2222.3	2257.6	2443.4	2576.9	2728.1
27.5°	2097.3	2106.4	2109.1	2122.1	2122.1	2143.7	2271.3	2322.4	2559.3	2696.7	2821.7
30°	2198.0	2201.3	2205.9	2220.3	2204.6	2195.4	2343.3	2408.8	2693.4	2841.3	2934.2
32.5°	2286.4	2293.6	2318.5	2342.0	2313.9	2285.1	2449.3	2526.5	2822.3	2991.8	3054.0
35°	2361.6	2379.3	2427.1	2479.4	2459.8	2431.0	2590.0	2670.5	2928.3	3099.8	3160.0
37.5°	2452.6	2466.3	2531.8	2616.9	2634.5	2620.8	2761.5	2819.1	2999.0	3127.3	3217.6
40°	2544.9	2565.8	2650.2	2768.0	2835.4	2845.2	2919.8	2958.4	3023.2	3073.6	3206.4
42.5°	2639.1	2675.1	2790.9	2928.3	3048.1	3070.3	3053.3	3069.7	3015.4	2999.7	3154.7
45°	2754.3	2796.8	2927.7	3103.1	3260.8	3295.4	3184.2	3169.1	3014.1	2971.5	3122.7
47.5°	2890.4	2932.9	3057.9	3262.1	3463.6	3489.1	3318.3	3290.9	3059.9	3014.7	3165.9
50°	3010.8	3040.2	3152.1	3380.5	3652.7	3667.8	3466.2	3432.9	3173.7	3134.5	3300.7
52.5°	2888.4	2885.1	3002.9	3284.3	3750.9	3932.1	3694.0	3661.9	3393.6	3333.4	3509.4
55°	2450.6	2413.3	2518.7	2795.5	3476.7	4167.1	4102.3	4038.2	3686.8	3533.6	3705.1
57.5°	1791.7	1781.2	1806.7	2066.5	2785.0	3803.2	4352.3	4346.4	3940.0	3716.9	3900.1
60°	1401.0	1385.3	1317.3	1324.5	1898.3	2970.9	3777.1	3950.5	4097.1	3826.8	4036.2
62.5°	1244.0	1232.2	1196.9	1099.4	1130.8	1991.9	2768.7	2927.7	3580.1	3379.9	3466.9
65°	1030.0	1026.7	1056.2	1052.2	947.5	1100.0	1562.7	1723.0	2251.1	2279.2	2251.1
67.5°	748.6	742.7	817.3	964.6	912.2	830.4	871.0	926.6	1154.3	1036.5	933.1
70°	486.9	478.3	521.5	696.9	816.7	723.7	627.5	618.4	634.7	394.6	426.7
72.5°	326.5	316.7	316.1	383.5	493.4	487.5	486.2	481.6	429.9	311.5	345.5
75°	181.9	174.1	172.1	165.6	176.7	180.0	191.7	198.3	214.6	236.2	261.8
77.5°	30.8	30.1	38.0	48.4	66.7	85.7	106.0	111.9	138.1	163.6	180.0
80°	17.0	17.7	22.9	28.1	37.3	51.0	65.4	69.4	85.1	98.8	111.9
82.5°	9.2	9.2	11.8	15.1	20.3	26.8	35.3	38.6	49.1	57.6	66.7
85°	3.3	3.3	4.6	5.9	8.5	11.1	13.7	15.7	21.6	29.4	33.4
87.5°	0.0	0.0	0.0	0.0	0.7	1.3	2.6	2.6	3.3	5.9	8.5
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°	2482.7	2482.7	2482.7	2482.7	2482.7	2482.7	2482.7	2482.7	2482.7	2482.7	2482.7
2.5°	2495.8	2478.1	2502.3	2513.5	2517.4	2520.0	2503.0	2491.2	2487.3	2474.9	2467.7
5°	2505.0	2493.2	2516.1	2516.1	2499.7	2482.7	2448.0	2423.8	2406.8	2386.5	2383.2
7.5°	2520.7	2512.2	2524.6	2499.1	2457.8	2412.0	2351.8	2304.7	2266.8	2241.9	2242.5
10°	2541.6	2531.1	2521.3	2464.4	2389.1	2304.7	2212.4	2143.7	2080.9	2052.1	2036.4
12.5°	2555.3	2540.3	2499.1	2404.8	2294.2	2181.0	2050.8	1948.7	1857.8	1816.5	1813.3
15°	2572.4	2544.9	2462.4	2327.6	2173.8	2019.4	1851.9	1709.9	1586.9	1522.7	1519.5
17.5°	2594.6	2549.5	2418.6	2239.3	2046.9	1819.2	1608.5	1429.8	1298.9	1249.2	1257.7
20°	2626.0	2554.7	2368.8	2141.1	1889.2	1591.4	1329.0	1164.8	1114.4	1111.1	1104.6
22.5°	2661.3	2558.0	2313.9	2031.2	1698.1	1348.7	1098.0	1028.0	1027.4	1043.7	1047.7
25°	2701.3	2560.6	2251.7	1902.9	1491.3	1106.6	971.1	950.2	966.5	997.3	1001.2
27.5°	2752.3	2565.8	2176.5	1762.2	1271.5	956.0	901.1	895.8	915.5	944.3	943.0
30°	2827.6	2584.8	2096.6	1600.6	1045.7	884.7	858.5	859.2	867.0	880.8	882.8
32.5°	2904.1	2614.2	2018.8	1418.7	916.1	844.1	832.4	831.1	831.1	836.9	838.3
35°	2976.8	2647.6	1934.3	1228.9	853.3	820.6	812.7	808.8	806.8	805.5	803.6
37.5°	3017.3	2664.0	1851.9	1041.8	819.9	804.9	797.0	791.8	784.6	779.4	778.1
40°	2999.7	2645.0	1756.3	901.7	799.6	789.8	780.7	773.5	763.7	759.1	756.5
42.5°	2940.8	2586.1	1652.3	835.6	783.3	773.5	762.3	750.6	744.0	740.1	739.4
45°	2878.6	2514.8	1526.7	797.0	767.6	755.8	742.7	729.6	722.4	720.5	719.8
47.5°	2876.6	2479.4	1393.2	766.3	748.6	736.8	720.5	707.4	699.5	696.9	694.3
50°	2963.0	2515.4	1242.7	739.4	729.0	716.5	698.2	683.8	674.0	670.7	670.1
52.5°	3142.3	2650.9	1107.9	712.6	702.8	688.4	673.4	659.0	647.2	641.3	640.6
55°	3336.0	2823.0	1024.1	685.1	672.0	659.6	645.9	630.2	617.1	607.9	606.6
57.5°	3536.2	3010.8	998.6	650.5	640.6	632.1	615.8	598.8	583.7	575.2	573.2
60°	3701.2	3172.4	1046.3	613.8	608.6	597.4	582.4	566.0	555.6	549.0	547.7
62.5°	3098.5	2582.8	844.8	573.9	573.9	562.1	545.1	533.3	526.1	521.5	520.2
65°	1966.4	1599.3	576.5	534.0	533.3	517.6	503.2	495.4	492.1	484.9	483.6
67.5°	856.6	730.9	492.7	493.4	490.8	473.8	459.4	453.5	446.9	439.1	438.4
70°	444.3	452.8	441.0	448.2	443.7	423.4	409.6	400.5	386.7	378.9	379.5
72.5°	358.6	367.8	380.8	392.0	382.2	365.8	344.2	333.1	315.4	306.9	307.6
75°	273.5	283.3	295.8	307.6	299.7	279.4	265.7	254.6	234.3	224.5	226.4
77.5°	188.5	193.7	208.7	208.1	205.5	199.6	179.3	166.2	145.3	133.5	134.8
80°	117.1	120.4	127.6	130.9	129.6	121.7	105.4	95.5	83.1	75.9	76.6
82.5°	70.7	72.6	79.2	79.8	79.2	73.3	60.9	53.7	45.8	41.9	41.9
85°	36.0	37.3	41.2	41.2	37.3	31.4	28.1	24.9	20.3	18.3	18.3
87.5°	9.8	9.8	12.4	10.5	8.5	7.9	3.9	3.3	1.3	0.7	0.7
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)