

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: P632365

Luminaire Tested: GWS-SA2C-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632365
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8063.5 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

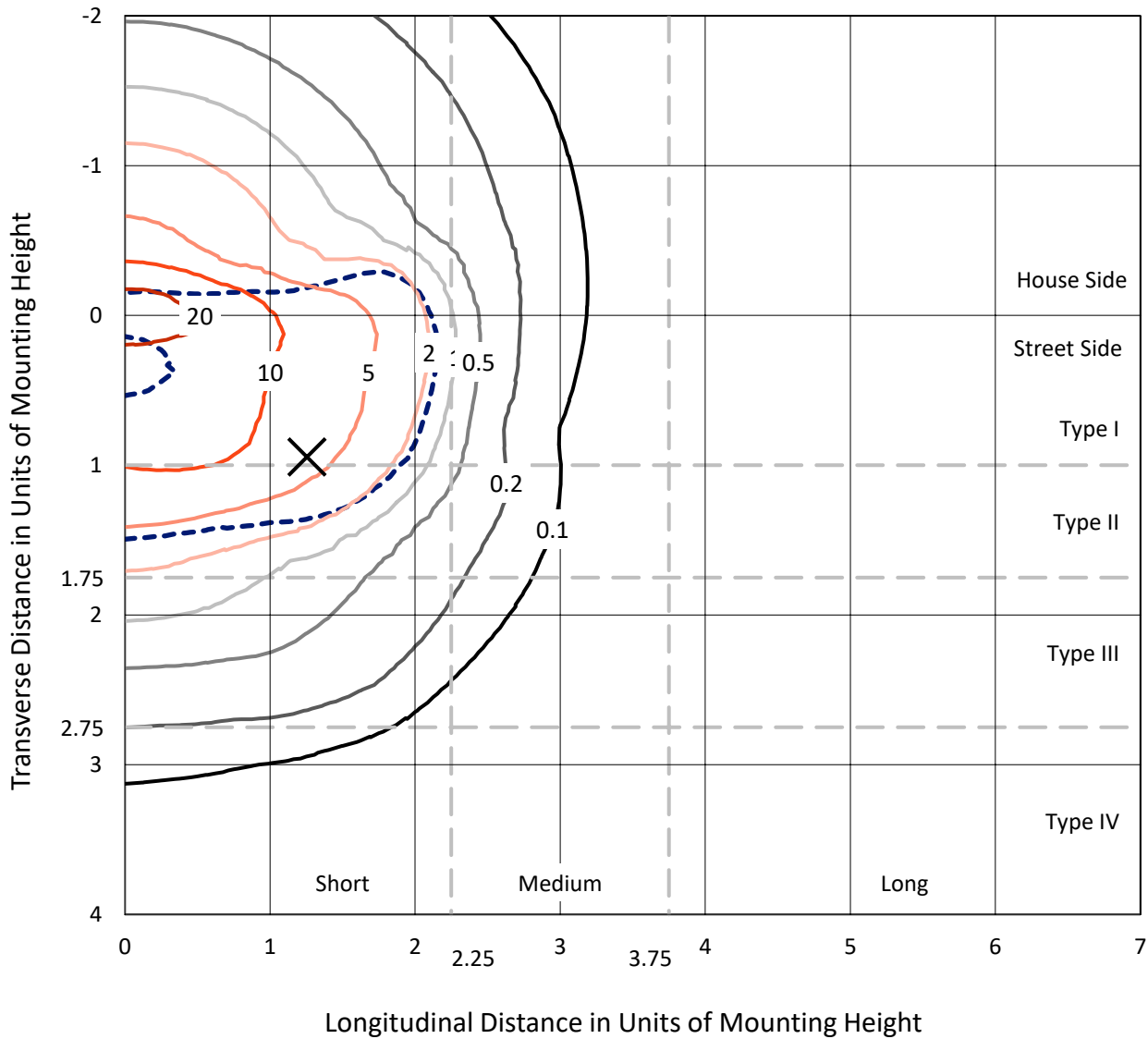
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

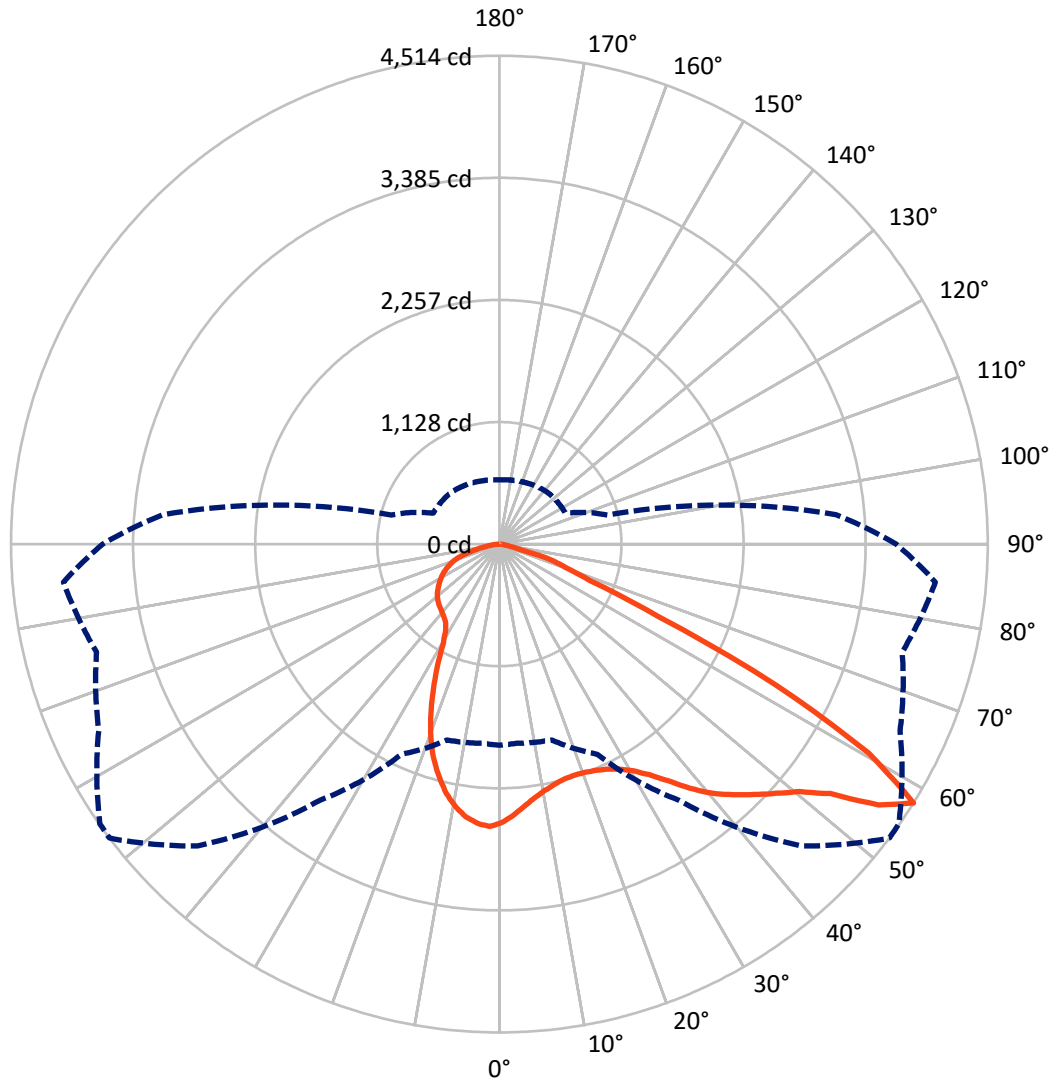
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.7 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	2521.2	0.0	2521.2
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	5542.3	0.0	5542.3
	% Fixture	68.7	0.0	68.7
Total	Lumens	8063.5	0.0	8063.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.8	2.9
10°-20°	610.9	7.6
20°-30°	900.0	11.2
30°-40°	1259.8	15.6
40°-50°	1656.1	20.5
50°-60°	1941.8	24.1
60°-70°	1144.0	14.2
70°-80°	284.6	3.5
80°-90°	33.4	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°	8063.5	100.0
0°-180°	8063.5	100.0

Coefficient of Utilization



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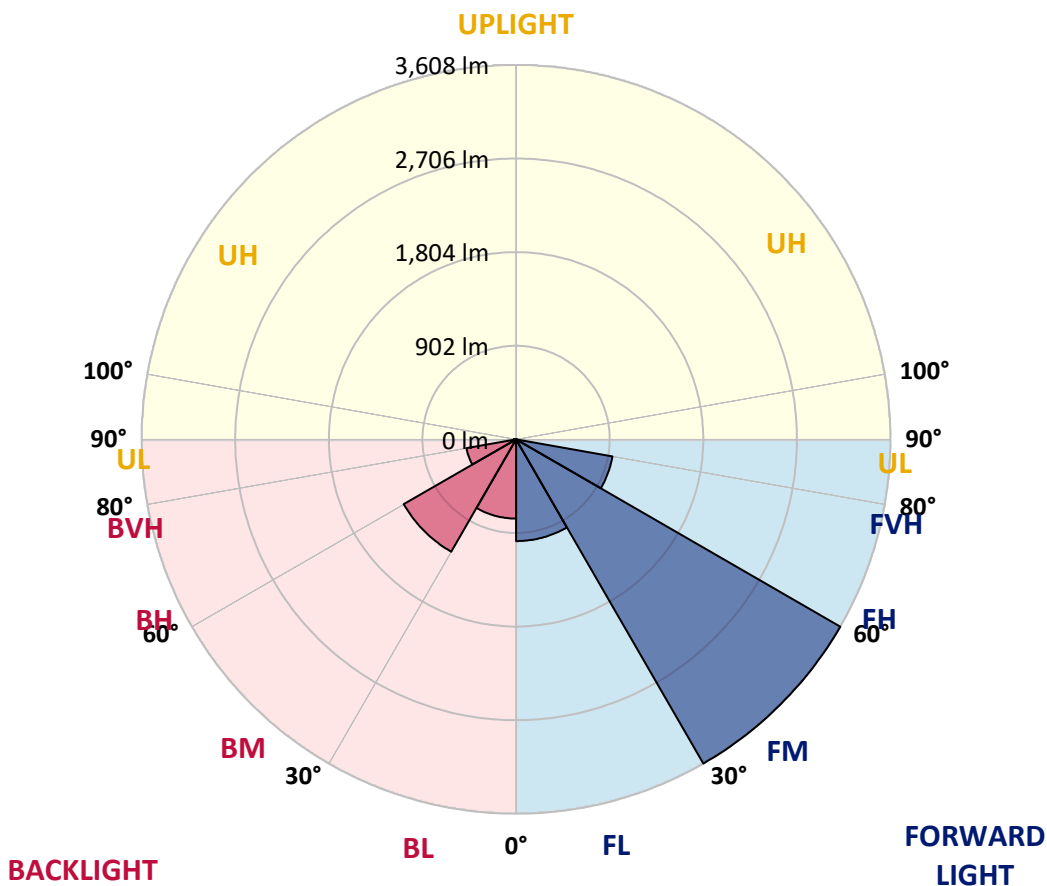
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	980.4	12.2			
FM (30°-60°)	3607.7	44.7			
FH (60°-80°)	943.1	11.7			G1/1800
FVH (80°-90°)	11.2	0.1			G1/100
BL (0°-30°)	763.4	9.5	B2/1000		
BM (30°-60°)	1250.1	15.5	B2/2500		
BH (60°-80°)	485.4	6.0	B1/500		G1/500
BVH (80°-90°)	22.2	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°	2574.9	2574.9	2574.9	2574.9	2574.9	2574.9	2574.9	2574.9	2574.9	2574.9	2574.9
2.5°	2426.9	2433.7	2435.1	2456.1	2457.5	2488.0	2508.4	2504.3	2525.4	2551.1	2571.5
5°	2310.9	2311.6	2318.4	2343.5	2357.0	2397.1	2431.0	2431.0	2471.7	2524.7	2570.1
7.5°	2215.2	2214.5	2220.6	2248.5	2270.8	2319.0	2365.2	2370.6	2427.6	2505.0	2579.0
10°	2126.3	2131.0	2137.8	2171.8	2200.3	2260.0	2315.0	2323.8	2395.7	2491.4	2591.2
12.5°	2069.3	2070.0	2080.1	2118.1	2154.8	2218.6	2276.3	2287.1	2369.9	2478.5	2600.0
15°	2032.6	2033.3	2044.2	2086.2	2129.0	2193.5	2252.5	2264.7	2355.0	2476.5	2617.0
17.5°	2016.3	2015.7	2025.8	2067.9	2114.8	2181.9	2245.1	2260.0	2361.8	2492.1	2646.8
20°	2016.3	2017.0	2022.5	2060.5	2108.0	2179.2	2252.5	2270.8	2388.3	2527.4	2693.0
22.5°	2044.8	2047.6	2050.3	2076.1	2113.4	2183.3	2272.2	2296.6	2445.3	2586.4	2753.4
25°	2100.5	2101.2	2103.9	2124.9	2141.9	2194.8	2304.8	2341.4	2534.2	2672.6	2829.4
27.5°	2175.2	2184.7	2187.4	2200.9	2200.9	2223.3	2355.7	2408.6	2654.3	2796.8	2926.4
30°	2279.7	2283.1	2287.8	2302.7	2286.5	2277.0	2430.3	2498.2	2793.4	2946.8	3043.2
32.5°	2371.3	2378.8	2404.5	2429.0	2399.8	2369.9	2540.3	2620.4	2927.1	3102.9	3167.4
35°	2449.3	2467.7	2517.2	2571.5	2551.1	2521.3	2686.2	2769.7	3037.1	3214.9	3277.3
37.5°	2543.7	2557.9	2625.8	2714.0	2732.3	2718.1	2864.0	2923.7	3110.4	3243.4	3337.0
40°	2639.4	2661.1	2748.6	2870.8	2940.7	2950.9	3028.2	3068.3	3135.5	3187.7	3325.5
42.5°	2737.1	2774.4	2894.5	3037.1	3161.3	3184.3	3166.7	3183.7	3127.3	3111.0	3271.9
45°	2856.5	2900.7	3036.4	3218.3	3381.8	3417.8	3302.4	3286.8	3126.0	3081.9	3238.6
47.5°	2997.7	3041.8	3171.4	3383.2	3592.2	3618.7	3441.6	3413.1	3173.5	3126.7	3283.4
50°	3122.6	3153.1	3269.2	3506.0	3788.4	3804.0	3594.9	3560.3	3291.6	3250.9	3423.2
52.5°	2995.7	2992.3	3114.4	3406.3	3890.2	4078.2	3831.1	3797.9	3519.6	3457.2	3639.7
55°	2541.6	2503.0	2612.2	2899.3	3605.8	4321.8	4254.6	4188.1	3823.7	3664.8	3842.7
57.5°	1858.2	1847.4	1873.8	2143.3	2888.4	3944.5	4513.9	4507.8	4086.3	3854.9	4044.9
60°	1453.0	1436.8	1366.2	1373.6	1968.8	3081.2	3917.3	4097.2	4249.2	3968.9	4186.1
62.5°	1290.2	1277.9	1241.3	1140.2	1172.8	2065.9	2871.5	3036.4	3713.0	3505.4	3595.6
65°	1068.2	1064.8	1095.4	1091.3	982.7	1140.9	1620.7	1787.0	2334.6	2363.8	2334.6
67.5°	776.4	770.3	847.7	1000.4	946.1	861.2	903.3	961.0	1197.2	1075.0	967.8
70°	504.9	496.1	540.9	722.8	847.0	750.6	650.8	641.3	658.3	409.2	442.5
72.5°	338.7	328.5	327.8	397.7	511.7	505.6	504.3	499.5	445.9	323.0	358.3
75°	188.7	180.5	178.5	171.7	183.2	186.6	198.9	205.6	222.6	245.0	271.5
77.5°	31.9	31.2	39.4	50.2	69.2	88.9	109.9	116.1	143.2	169.7	186.6
80°	17.6	18.3	23.8	29.2	38.7	52.9	67.9	71.9	88.2	102.5	116.1
82.5°	9.5	9.5	12.2	15.6	21.0	27.8	36.6	40.0	50.9	59.7	69.2
85°	3.4	3.4	4.8	6.1	8.8	11.5	14.3	16.3	22.4	30.5	34.6
87.5°	0.0	0.0	0.0	0.0	0.7	1.4	2.7	2.7	3.4	6.1	8.8
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°	2574.9	2574.9	2574.9	2574.9	2574.9	2574.9	2574.9	2574.9	2574.9	2574.9	2574.9
2.5°	2588.5	2570.1	2595.3	2606.8	2610.9	2613.6	2595.9	2583.7	2579.6	2566.7	2559.3
5°	2598.0	2585.8	2609.5	2609.5	2592.5	2574.9	2538.9	2513.8	2496.2	2475.1	2471.7
7.5°	2614.3	2605.4	2618.3	2591.9	2549.1	2501.6	2439.2	2390.3	2350.9	2325.1	2325.8
10°	2636.0	2625.1	2614.9	2555.9	2477.8	2390.3	2294.6	2223.3	2158.2	2128.3	2112.0
12.5°	2650.2	2634.6	2591.9	2494.1	2379.4	2262.0	2127.0	2021.1	1926.8	1884.0	1880.6
15°	2667.9	2639.4	2553.9	2414.0	2254.6	2094.4	1920.7	1773.4	1645.8	1579.3	1575.9
17.5°	2690.9	2644.1	2508.4	2322.4	2122.9	1886.7	1668.2	1482.9	1347.2	1295.6	1304.4
20°	2723.5	2649.5	2456.8	2220.6	1959.3	1650.5	1378.4	1208.0	1155.8	1152.4	1145.6
22.5°	2760.2	2652.9	2399.8	2106.6	1761.2	1398.7	1138.8	1066.2	1065.5	1082.5	1086.6
25°	2801.6	2655.7	2335.3	1973.6	1546.7	1147.6	1007.2	985.4	1002.4	1034.3	1038.4
27.5°	2854.5	2661.1	2257.3	1827.7	1318.7	991.5	934.5	929.1	949.5	979.3	978.0
30°	2932.6	2680.8	2174.5	1660.0	1084.5	917.6	890.4	891.1	899.2	913.5	915.5
32.5°	3012.0	2711.3	2093.7	1471.4	950.1	875.5	863.3	861.9	861.9	868.0	869.4
35°	3087.3	2745.9	2006.2	1274.6	885.0	851.1	842.9	838.8	836.8	835.4	833.4
37.5°	3129.4	2762.9	1920.7	1080.5	850.4	834.8	826.6	821.2	813.7	808.3	806.9
40°	3111.0	2743.2	1821.6	935.2	829.3	819.2	809.7	802.2	792.0	787.3	784.5
42.5°	3050.0	2682.1	1713.7	866.7	812.4	802.2	790.7	778.4	771.7	767.6	766.9
45°	2985.5	2608.1	1583.3	826.6	796.1	783.9	770.3	756.7	749.3	747.2	746.5
47.5°	2983.5	2571.5	1444.9	794.7	776.4	764.2	747.2	733.6	725.5	722.8	720.1
50°	3073.0	2608.8	1288.8	766.9	756.0	743.1	724.1	709.2	699.0	695.6	695.0
52.5°	3259.0	2749.3	1149.0	739.1	728.9	714.0	698.4	683.4	671.2	665.1	664.4
55°	3459.9	2927.8	1062.1	710.6	697.0	684.1	669.9	653.6	640.0	630.5	629.1
57.5°	3667.6	3122.6	1035.7	674.6	664.4	655.6	638.6	621.0	605.4	596.6	594.5
60°	3838.6	3290.2	1085.2	636.6	631.2	619.6	604.0	587.1	576.2	569.4	568.1
62.5°	3213.5	2678.7	876.2	595.2	595.2	583.0	565.3	553.1	545.7	540.9	539.5
65°	2039.4	1658.7	597.9	553.8	553.1	536.8	521.9	513.8	510.4	502.9	501.5
67.5°	888.4	758.1	511.0	511.7	509.0	491.4	476.4	470.3	463.5	455.4	454.7
70°	460.8	469.6	457.4	464.9	460.1	439.1	424.9	415.3	401.1	393.0	393.6
72.5°	371.9	381.4	395.0	406.5	396.3	379.4	357.0	345.4	327.1	318.3	319.0
75°	283.7	293.9	306.8	319.0	310.8	289.8	275.5	264.0	243.0	232.8	234.8
77.5°	195.5	200.9	216.5	215.8	213.1	207.0	186.0	172.4	150.7	138.4	139.8
80°	121.5	124.9	132.3	135.7	134.4	126.2	109.3	99.1	86.2	78.7	79.4
82.5°	73.3	75.3	82.1	82.8	82.1	76.0	63.1	55.7	47.5	43.4	43.4
85°	37.3	38.7	42.8	42.8	38.7	32.6	29.2	25.8	21.0	19.0	19.0
87.5°	10.2	10.2	12.9	10.9	8.8	8.1	4.1	3.4	1.4	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)