

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: P634345

Luminaire Tested: GWS-SA3B-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634345
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-SA3B-750-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9062.1 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

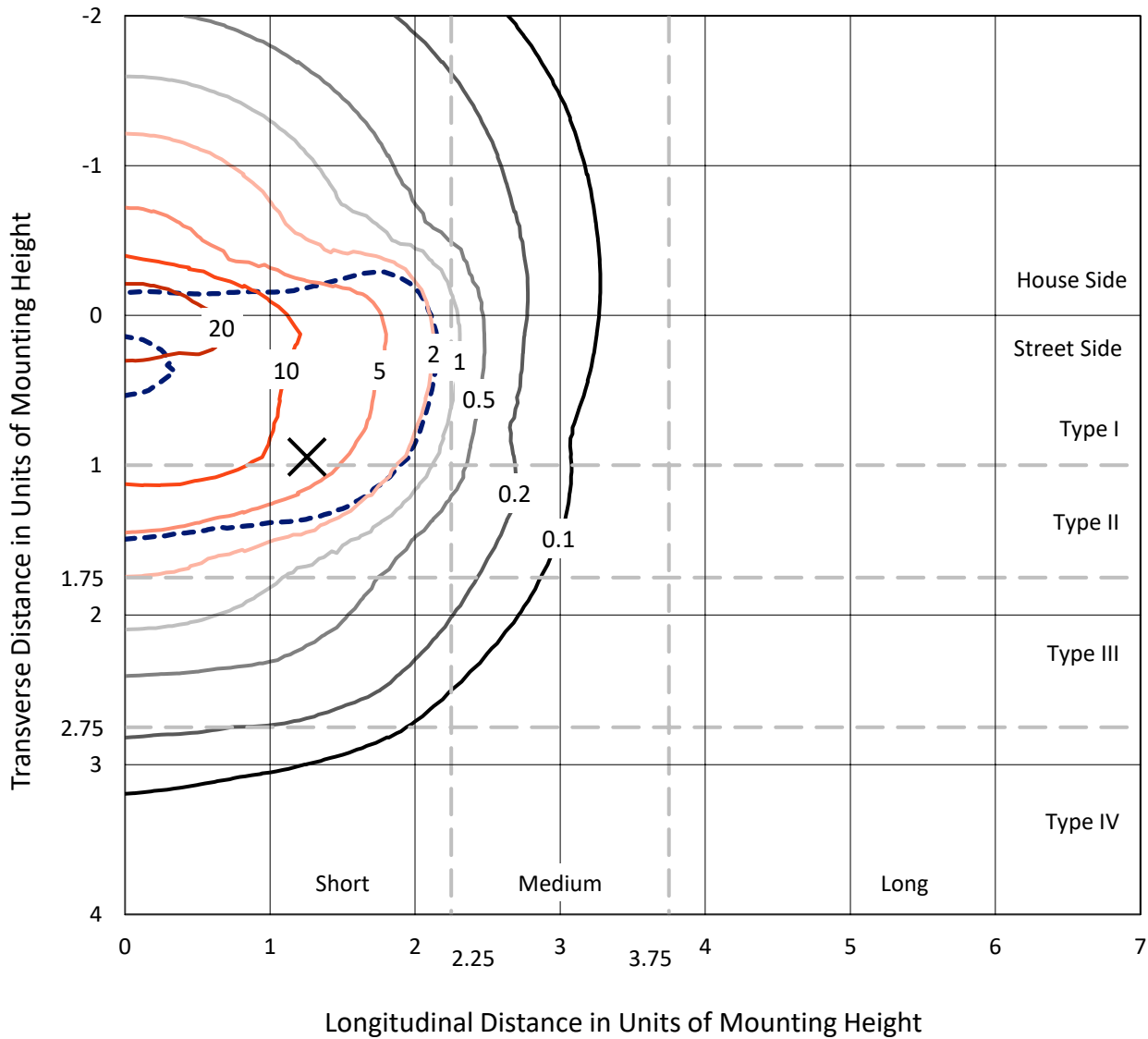
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

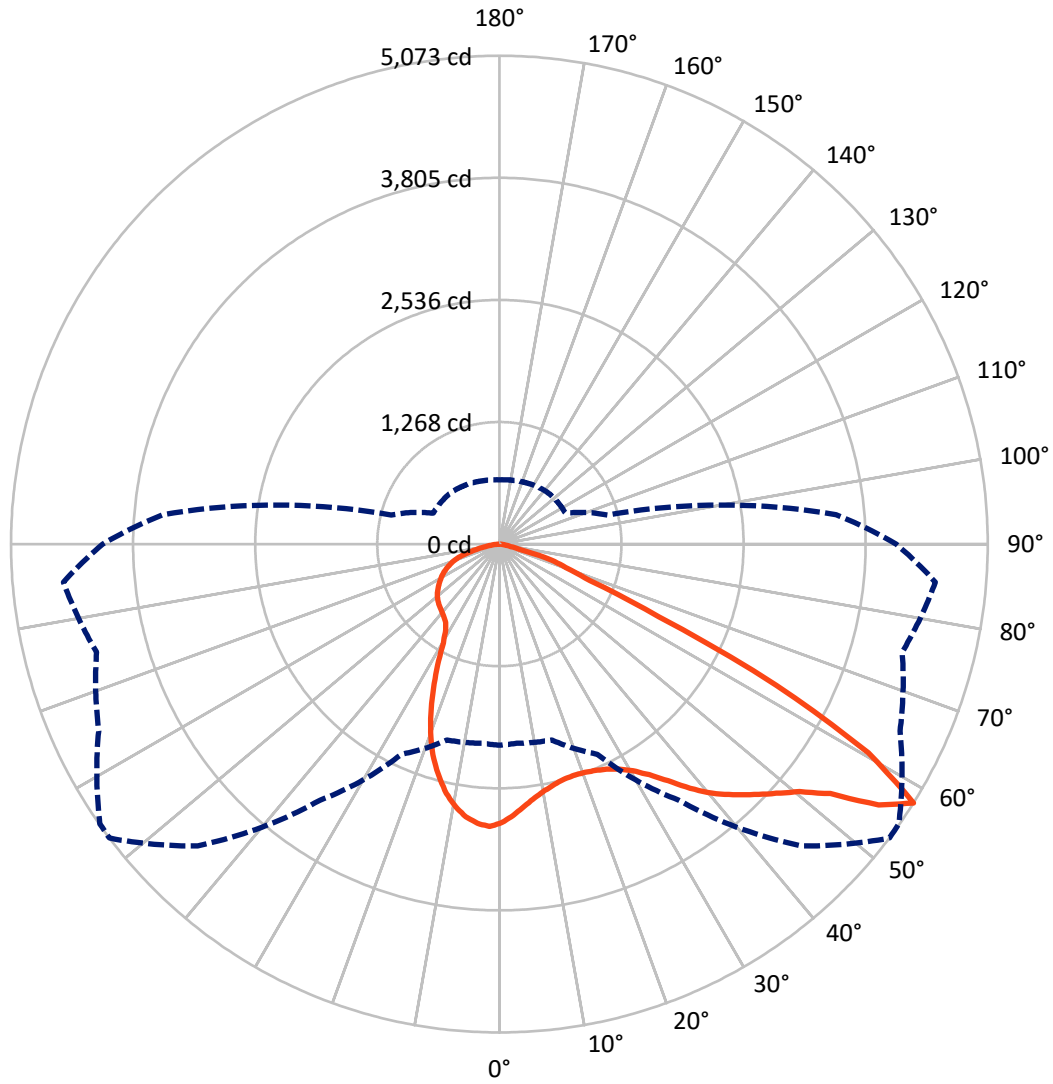
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.9 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	2833.4	0.0	2833.4
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	6228.7	0.0	6228.7
	% Fixture	68.7	0.0	68.7
Total	Lumens	9062.1	0.0	9062.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.7	2.9
10°-20°	686.5	7.6
20°-30°	1011.5	11.2
30°-40°	1415.9	15.6
40°-50°	1861.2	20.5
50°-60°	2182.3	24.1
60°-70°	1285.6	14.2
70°-80°	319.8	3.5
80°-90°	37.5	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°	9062.1	100.0
0°-180°	9062.1	100.0

Coefficient of Utilization



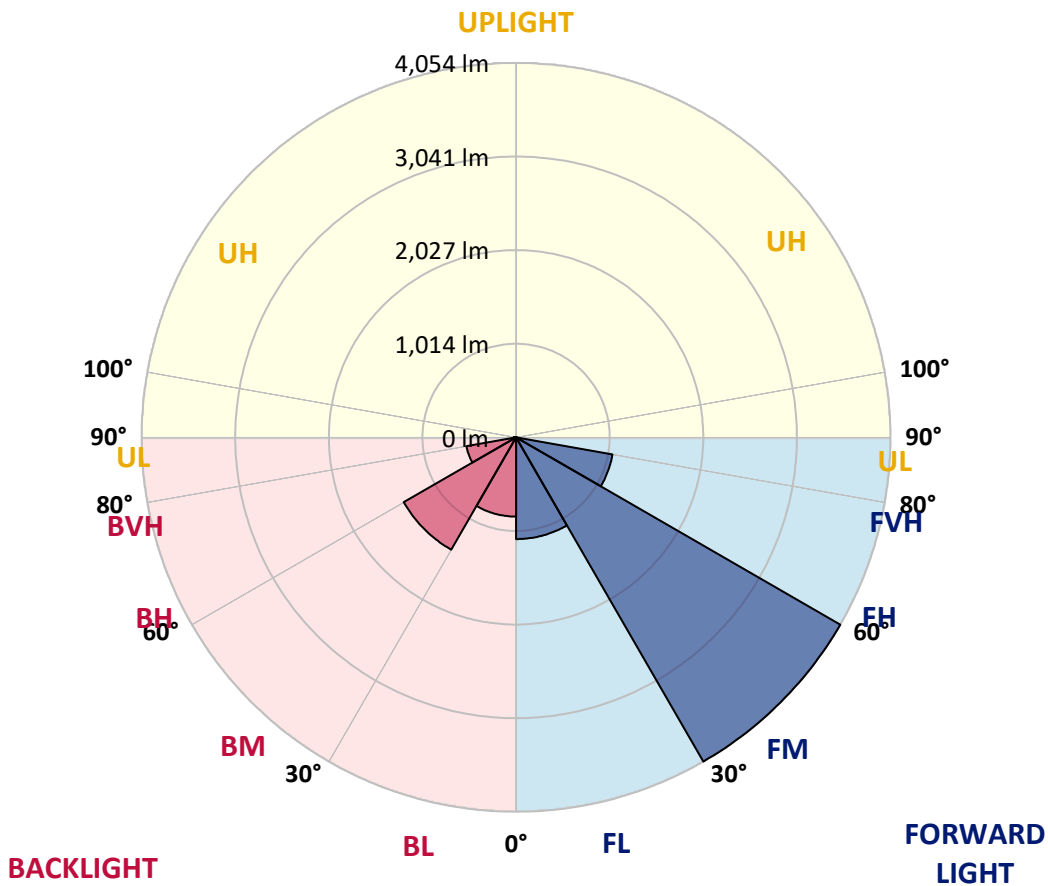
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1101.8	12.2			
FM (30°-60°)	4054.5	44.7			
FH (60°-80°)	1059.9	11.7			G1/1800
FVH (80°-90°)	12.6	0.1			G1/100
BL (0°-30°)	858.0	9.5	B2/1000		
BM (30°-60°)	1404.9	15.5	B2/2500		
BH (60°-80°)	545.5	6.0	B2/1000		G2/1000
BVH (80°-90°)	25.0	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8
2.5°	2727.5	2735.1	2736.7	2760.3	2761.8	2796.1	2819.0	2814.5	2838.1	2867.1	2890.0
5°	2597.1	2597.8	2605.5	2633.7	2648.9	2693.9	2732.1	2732.1	2777.8	2837.3	2888.4
7.5°	2489.5	2488.8	2495.6	2526.9	2552.1	2606.2	2658.1	2664.2	2728.3	2815.2	2898.3
10°	2389.6	2395.0	2402.6	2440.7	2472.7	2539.9	2601.7	2611.6	2692.4	2800.0	2912.1
12.5°	2325.5	2326.3	2337.7	2380.5	2421.6	2493.3	2558.2	2570.4	2663.4	2785.5	2922.0
15°	2284.4	2285.1	2297.3	2344.6	2392.7	2465.1	2531.5	2545.2	2646.7	2783.2	2941.1
17.5°	2266.1	2265.3	2276.7	2324.0	2376.6	2452.2	2523.1	2539.9	2654.3	2800.7	2974.6
20°	2266.1	2266.8	2272.9	2315.6	2369.0	2449.1	2531.5	2552.1	2684.0	2840.4	3026.5
22.5°	2298.1	2301.1	2304.2	2333.2	2375.1	2453.7	2553.6	2581.1	2748.1	2906.7	3094.4
25°	2360.6	2361.4	2364.4	2388.1	2407.2	2466.6	2590.2	2631.4	2848.0	3003.6	3179.8
27.5°	2444.5	2455.2	2458.3	2473.5	2473.5	2498.7	2647.4	2706.9	2983.0	3143.2	3288.9
30°	2562.0	2565.8	2571.1	2587.9	2569.6	2558.9	2731.3	2807.6	3139.4	3311.7	3420.1
32.5°	2665.0	2673.3	2702.3	2729.8	2697.0	2663.4	2854.9	2944.9	3289.6	3487.2	3559.6
35°	2752.7	2773.3	2828.9	2890.0	2867.1	2833.5	3018.9	3112.7	3413.2	3613.0	3683.2
37.5°	2858.7	2874.7	2951.0	3050.1	3070.7	3054.7	3218.7	3285.8	3495.6	3645.1	3750.3
40°	2966.2	2990.6	3089.0	3226.3	3304.9	3316.3	3403.3	3448.3	3523.8	3582.5	3737.3
42.5°	3076.1	3118.0	3253.0	3413.2	3552.8	3578.7	3558.9	3577.9	3514.6	3496.3	3677.1
45°	3210.3	3259.9	3412.4	3616.8	3800.7	3841.1	3711.4	3693.9	3513.1	3463.5	3639.7
47.5°	3369.0	3418.5	3564.2	3802.2	4037.1	4066.8	3867.8	3835.7	3566.5	3513.9	3690.1
50°	3509.3	3543.6	3674.0	3940.2	4257.5	4275.1	4040.1	4001.2	3699.2	3653.4	3847.2
52.5°	3366.7	3362.8	3500.1	3828.1	4371.9	4583.2	4305.6	4268.2	3955.5	3885.3	4090.5
55°	2856.4	2812.9	2935.7	3258.4	4052.4	4857.0	4781.5	4706.8	4297.2	4118.7	4318.5
57.5°	2088.3	2076.1	2105.9	2408.7	3246.2	4432.9	5072.9	5066.0	4592.4	4332.3	4545.8
60°	1633.0	1614.7	1535.4	1543.8	2212.7	3462.8	4402.4	4604.6	4775.4	4460.4	4704.5
62.5°	1449.9	1436.2	1395.0	1281.4	1318.0	2321.7	3227.1	3412.4	4172.9	3939.5	4040.9
65°	1200.5	1196.7	1231.0	1226.5	1104.4	1282.1	1821.4	2008.3	2623.8	2656.6	2623.8
67.5°	872.6	865.7	952.6	1124.3	1063.2	967.9	1015.2	1080.0	1345.4	1208.2	1087.6
70°	567.5	557.6	607.9	812.3	951.9	843.6	731.5	720.8	739.8	459.9	497.3
72.5°	380.6	369.2	368.4	447.0	575.1	568.2	566.7	561.4	501.1	363.1	402.7
75°	212.0	202.9	200.6	193.0	205.9	209.7	223.5	231.1	250.2	275.3	305.1
77.5°	35.8	35.1	44.2	56.4	77.8	99.9	123.6	130.4	160.9	190.7	209.7
80°	19.8	20.6	26.7	32.8	43.5	59.5	76.3	80.8	99.2	115.2	130.4
82.5°	10.7	10.7	13.7	17.5	23.6	31.3	41.2	45.0	57.2	67.1	77.8
85°	3.8	3.8	5.3	6.9	9.9	13.0	16.0	18.3	25.2	34.3	38.9
87.5°	0.0	0.0	0.0	0.0	0.8	1.5	3.1	3.1	3.8	6.9	9.9
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°	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8
2.5°	2909.0	2888.4	2916.7	2929.6	2934.2	2937.2	2917.4	2903.7	2899.1	2884.6	2876.2
5°	2919.7	2906.0	2932.7	2932.7	2913.6	2893.8	2853.3	2825.1	2805.3	2781.7	2777.8
7.5°	2938.0	2928.1	2942.6	2912.8	2864.8	2811.4	2741.2	2686.3	2642.1	2613.1	2613.9
10°	2962.4	2950.2	2938.8	2872.4	2784.7	2686.3	2578.8	2498.7	2425.5	2391.9	2373.6
12.5°	2978.4	2960.9	2912.8	2803.0	2674.1	2542.2	2390.4	2271.4	2165.4	2117.3	2113.5
15°	2998.3	2966.2	2870.1	2713.0	2533.8	2353.8	2158.5	1993.0	1849.6	1774.9	1771.0
17.5°	3024.2	2971.6	2819.0	2610.0	2385.8	2120.4	1874.8	1666.6	1514.0	1456.0	1466.0
20°	3060.8	2977.7	2761.1	2495.6	2202.0	1854.9	1549.1	1357.6	1298.9	1295.1	1287.5
22.5°	3102.0	2981.5	2697.0	2367.5	1979.3	1572.0	1279.9	1198.2	1197.5	1216.5	1221.1
25°	3148.5	2984.5	2624.5	2218.0	1738.2	1289.8	1131.9	1107.5	1126.5	1162.4	1167.0
27.5°	3208.0	2990.6	2536.8	2054.0	1482.0	1114.3	1050.3	1044.2	1067.1	1100.6	1099.1
30°	3295.7	3012.8	2443.8	1865.6	1218.8	1031.2	1000.7	1001.5	1010.6	1026.6	1028.9
32.5°	3385.0	3047.1	2353.0	1653.6	1067.8	983.9	970.2	968.7	968.7	975.5	977.0
35°	3469.6	3086.0	2254.6	1432.4	994.6	956.5	947.3	942.7	940.4	938.9	936.6
37.5°	3516.9	3105.0	2158.5	1214.3	955.7	938.2	929.0	922.9	914.5	908.4	906.9
40°	3496.3	3082.9	2047.2	1051.0	932.0	920.6	909.9	901.5	890.1	884.8	881.7
42.5°	3427.7	3014.3	1925.9	974.0	913.0	901.5	888.6	874.8	867.2	862.6	861.9
45°	3355.2	2931.1	1779.4	929.0	894.7	880.9	865.7	850.4	842.0	839.8	839.0
47.5°	3352.9	2890.0	1623.8	893.1	872.6	858.8	839.8	824.5	815.4	812.3	809.2
50°	3453.6	2931.9	1448.4	861.9	849.7	835.2	813.8	797.0	785.6	781.8	781.0
52.5°	3662.6	3089.8	1291.3	830.6	819.2	802.4	784.8	768.1	754.3	747.5	746.7
55°	3888.4	3290.4	1193.7	798.6	783.3	768.8	752.8	734.5	719.2	708.6	707.0
57.5°	4121.8	3509.3	1163.9	758.1	746.7	736.8	717.7	697.9	680.3	670.4	668.1
60°	4314.0	3697.7	1219.6	715.4	709.3	696.4	678.8	659.8	647.6	639.9	638.4
62.5°	3611.5	3010.5	984.7	668.9	668.9	655.2	635.3	621.6	613.2	607.9	606.4
65°	2292.0	1864.1	672.0	622.4	621.6	603.3	586.5	577.4	573.6	565.2	563.7
67.5°	998.4	852.0	574.3	575.1	572.0	552.2	535.4	528.6	520.9	511.8	511.0
70°	517.9	527.8	514.1	522.5	517.1	493.5	477.5	466.8	450.8	441.6	442.4
72.5°	418.0	428.7	443.9	456.9	445.4	426.4	401.2	388.2	367.6	357.7	358.5
75°	318.8	330.3	344.8	358.5	349.3	325.7	309.7	296.7	273.1	261.6	263.9
77.5°	219.7	225.8	243.3	242.5	239.5	232.6	209.0	193.7	169.3	155.6	157.1
80°	136.5	140.3	148.7	152.5	151.0	141.9	122.8	111.4	96.9	88.5	89.2
82.5°	82.4	84.7	92.3	93.1	92.3	85.4	70.9	62.5	53.4	48.8	48.8
85°	41.9	43.5	48.1	48.1	43.5	36.6	32.8	29.0	23.6	21.4	21.4
87.5°	11.4	11.4	14.5	12.2	9.9	9.2	4.6	3.8	1.5	0.8	0.8
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)