

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: P634290

Luminaire Tested: GWS-SA3B-740-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634290
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8859.1 lumens
Efficiency: N/A
Efficacy: 129.7 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

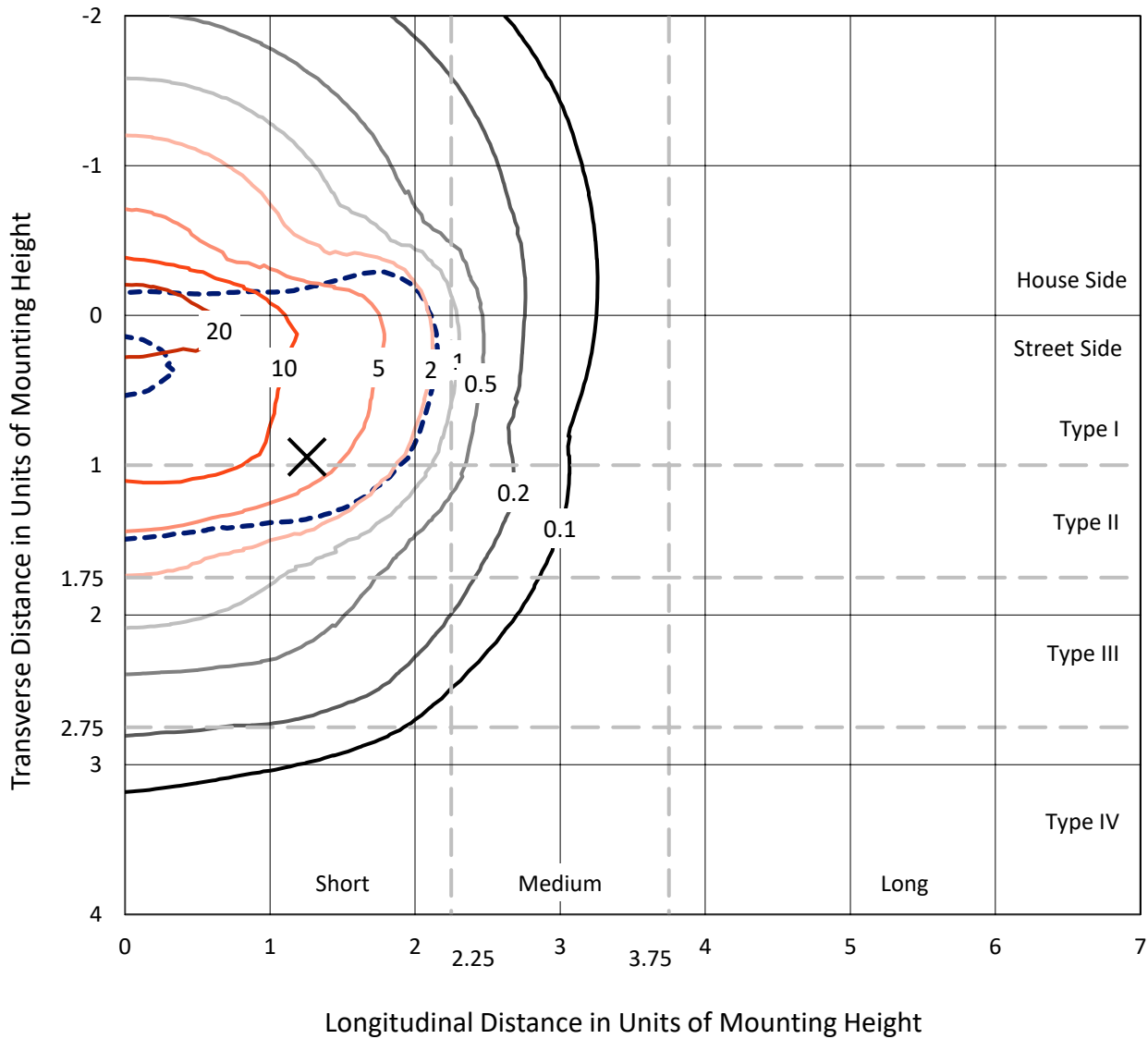
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634290
 CATALOG NUMBER: GWS-SA3B-740-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

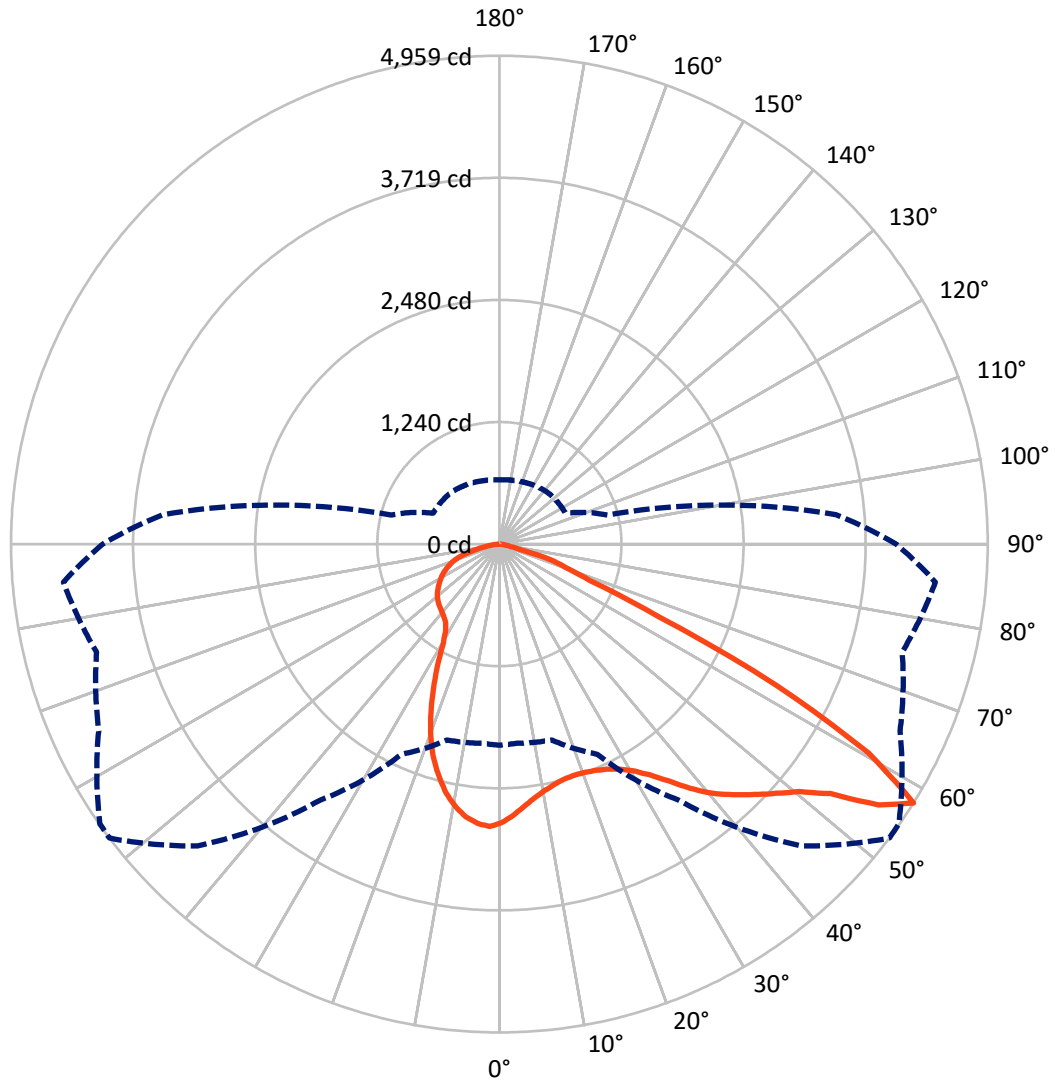
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.3 fc
 Type II - Short - N/A

REPORT NUMBER: P634290
CATALOG NUMBER: GWS-SA3B-740-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634290

CATALOG NUMBER: GWS-SA3B-740-U-SL2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2769.9	0.0	2769.9
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	6089.2	0.0	6089.2
	% Fixture	68.7	0.0	68.7
Total	Lumens	8859.1	0.0	8859.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.8	2.9
10°-20°	671.2	7.6
20°-30°	988.9	11.2
30°-40°	1384.1	15.6
40°-50°	1819.5	20.5
50°-60°	2133.4	24.1
60°-70°	1256.8	14.2
70°-80°	312.7	3.5
80°-90°	36.7	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°	8859.1	100.0
0°-180°	8859.1	100.0

Coefficient of Utilization



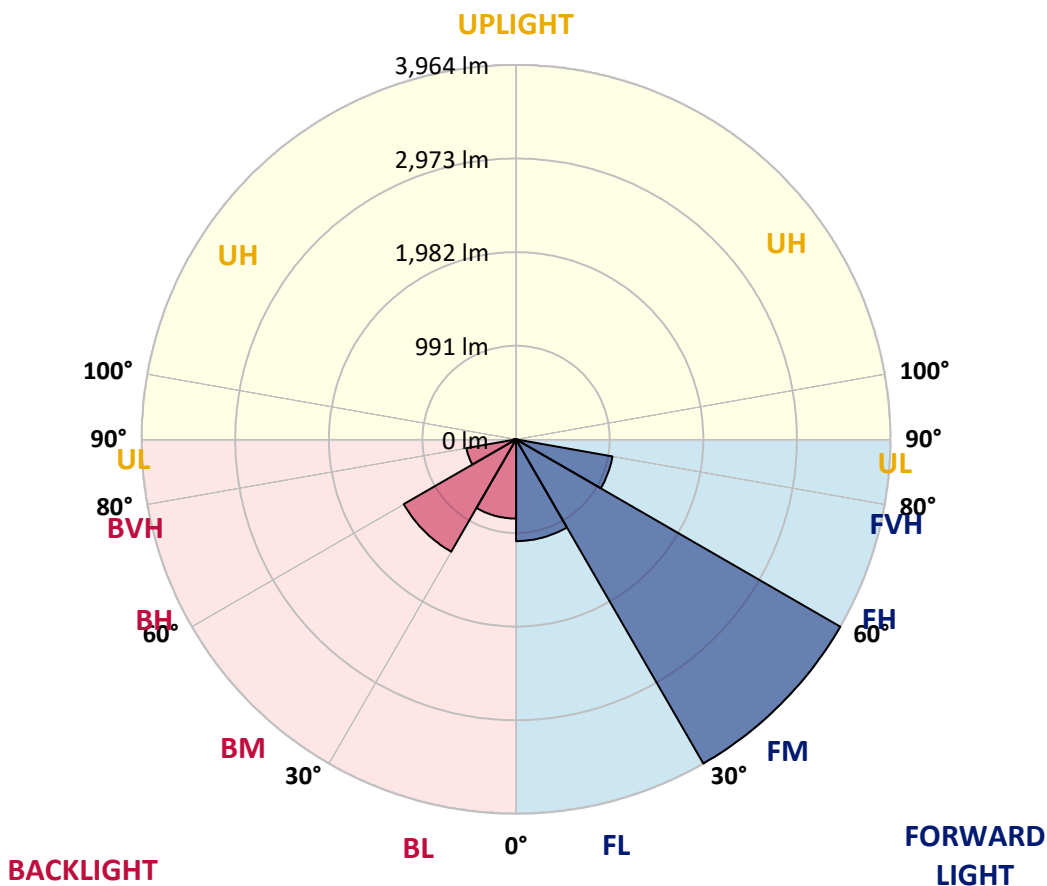
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1077.1	12.2			
FM (30°-60°)	3963.6	44.7			
FH (60°-80°)	1036.2	11.7			G1/1800
FVH (80°-90°)	12.3	0.1			G1/100
BL (0°-30°)	838.7	9.5	B2/1000		
BM (30°-60°)	1373.5	15.5	B2/2500		
BH (60°-80°)	533.3	6.0	B2/1000		G2/1000
BVH (80°-90°)	24.4	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-G2
 Type II Short





REPORT NUMBER: P634290

CATALOG NUMBER: GWS-SA3B-740-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9
2.5°	2666.4	2673.9	2675.3	2698.5	2700.0	2733.5	2755.9	2751.4	2774.5	2802.9	2825.2
5°	2538.9	2539.6	2547.1	2574.7	2589.6	2633.6	2670.9	2670.9	2715.6	2773.8	2823.7
7.5°	2433.8	2433.0	2439.7	2470.3	2494.9	2547.8	2598.5	2604.5	2667.1	2752.1	2833.4
10°	2336.1	2341.3	2348.8	2386.0	2417.4	2483.0	2543.4	2553.1	2632.1	2737.2	2846.8
12.5°	2273.4	2274.2	2285.4	2327.1	2367.4	2437.5	2500.9	2512.8	2603.8	2723.1	2856.5
15°	2233.2	2233.9	2245.9	2292.1	2339.1	2409.9	2474.8	2488.2	2587.4	2720.8	2875.2
17.5°	2215.3	2214.5	2225.7	2272.0	2323.4	2397.2	2466.6	2483.0	2594.8	2738.0	2908.0
20°	2215.3	2216.0	2222.0	2263.8	2316.0	2394.2	2474.8	2494.9	2623.9	2776.8	2958.7
22.5°	2246.6	2249.6	2252.6	2280.9	2321.9	2398.7	2496.4	2523.2	2686.5	2841.6	3025.1
25°	2307.7	2308.5	2311.5	2334.6	2353.2	2411.4	2532.2	2572.5	2784.2	2936.3	3108.6
27.5°	2389.8	2400.2	2403.2	2418.1	2418.1	2442.7	2588.1	2646.3	2916.2	3072.8	3215.2
30°	2504.6	2508.3	2513.5	2529.9	2512.1	2501.6	2670.1	2744.7	3069.0	3237.6	3343.4
32.5°	2605.3	2613.5	2641.8	2668.6	2636.6	2603.8	2790.9	2878.9	3215.9	3409.1	3479.9
35°	2691.0	2711.1	2765.6	2825.2	2802.9	2770.0	2951.2	3042.9	3336.7	3532.1	3600.7
37.5°	2794.7	2810.3	2884.9	2981.8	3001.9	2986.3	3146.6	3212.2	3417.3	3563.4	3666.3
40°	2899.8	2923.6	3019.8	3154.0	3230.8	3242.0	3327.0	3371.0	3444.8	3502.3	3653.6
42.5°	3007.2	3048.2	3180.1	3336.7	3473.2	3498.5	3479.1	3497.8	3435.9	3418.0	3594.7
45°	3138.4	3186.9	3336.0	3535.8	3715.5	3755.0	3628.3	3611.1	3434.4	3385.9	3558.2
47.5°	3293.5	3341.9	3484.4	3717.0	3946.7	3975.7	3781.1	3749.8	3486.6	3435.2	3607.4
50°	3430.7	3464.2	3591.7	3852.0	4162.2	4179.3	3949.6	3911.6	3616.3	3571.6	3761.0
52.5°	3291.2	3287.5	3421.7	3742.4	4274.0	4480.5	4209.1	4172.6	3866.9	3798.3	3998.9
55°	2792.4	2749.9	2870.0	3185.4	3961.6	4748.2	4674.4	4601.3	4200.9	4026.4	4221.8
57.5°	2041.6	2029.6	2058.7	2354.7	3173.4	4333.6	4959.2	4952.5	4489.5	4235.2	4444.0
60°	1596.4	1578.5	1501.0	1509.2	2163.1	3385.2	4303.8	4501.4	4668.4	4360.5	4599.1
62.5°	1417.5	1404.0	1363.8	1252.7	1288.5	2269.7	3154.8	3336.0	4079.4	3851.2	3950.4
65°	1173.6	1169.9	1203.5	1199.0	1079.7	1253.4	1780.6	1963.3	2565.0	2597.1	2565.0
67.5°	853.0	846.3	931.3	1099.1	1039.4	946.2	992.4	1055.8	1315.3	1181.1	1063.3
70°	554.8	545.1	594.3	794.1	930.6	824.7	715.1	704.6	723.3	449.6	486.2
72.5°	372.1	360.9	360.1	436.9	562.2	555.5	554.0	548.8	489.9	354.9	393.7
75°	207.3	198.3	196.1	188.6	201.3	205.1	218.5	225.9	244.6	269.2	298.3
77.5°	35.0	34.3	43.2	55.2	76.1	97.7	120.8	127.5	157.3	186.4	205.1
80°	19.4	20.1	26.1	32.1	42.5	58.2	74.6	79.0	96.9	112.6	127.5
82.5°	10.4	10.4	13.4	17.1	23.1	30.6	40.3	44.0	55.9	65.6	76.1
85°	3.7	3.7	5.2	6.7	9.7	12.7	15.7	17.9	24.6	33.6	38.0
87.5°	0.0	0.0	0.0	0.0	0.7	1.5	3.0	3.0	3.7	6.7	9.7
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: P634290
 CATALOG NUMBER: GWS-SA3B-740-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9	2828.9
2.5°	2843.9	2823.7	2851.3	2864.0	2868.5	2871.5	2852.1	2838.6	2834.2	2820.0	2811.8
5°	2854.3	2840.9	2867.0	2867.0	2848.3	2828.9	2789.4	2761.8	2742.5	2719.3	2715.6
7.5°	2872.2	2862.5	2876.7	2847.6	2800.6	2748.4	2679.8	2626.1	2582.9	2554.6	2555.3
10°	2896.1	2884.1	2872.9	2808.1	2722.3	2626.1	2521.0	2442.7	2371.1	2338.3	2320.4
12.5°	2911.7	2894.6	2847.6	2740.2	2614.2	2485.2	2336.8	2220.5	2116.9	2069.9	2066.2
15°	2931.1	2899.8	2805.8	2652.2	2477.0	2301.0	2110.2	1948.4	1808.2	1735.1	1731.4
17.5°	2956.5	2905.0	2755.9	2551.6	2332.4	2072.9	1832.8	1629.2	1480.1	1423.4	1433.1
20°	2992.2	2911.0	2699.2	2439.7	2152.7	1813.4	1514.4	1327.2	1269.8	1266.1	1258.6
22.5°	3032.5	2914.7	2636.6	2314.5	1934.9	1536.8	1251.2	1171.4	1170.7	1189.3	1193.8
25°	3078.0	2917.7	2565.7	2168.3	1699.3	1260.9	1106.5	1082.7	1101.3	1136.4	1140.8
27.5°	3136.2	2923.6	2480.0	2008.0	1448.8	1089.4	1026.7	1020.8	1043.1	1076.0	1074.5
30°	3221.9	2945.3	2389.0	1823.8	1191.5	1008.1	978.3	979.0	988.0	1003.6	1005.9
32.5°	3309.1	2978.8	2300.3	1616.5	1043.9	961.9	948.5	947.0	947.0	953.7	955.2
35°	3391.9	3016.9	2204.1	1400.3	972.3	935.0	926.1	921.6	919.4	917.9	915.6
37.5°	3438.1	3035.5	2110.2	1187.1	934.3	917.1	908.2	902.2	894.0	888.1	886.6
40°	3418.0	3013.9	2001.3	1027.5	911.2	900.0	889.5	881.3	870.2	864.9	862.0
42.5°	3350.9	2946.8	1882.7	952.2	892.5	881.3	868.7	855.2	847.8	843.3	842.6
45°	3280.1	2865.5	1739.6	908.2	874.6	861.2	846.3	831.4	823.2	820.9	820.2
47.5°	3277.8	2825.2	1587.5	873.1	853.0	839.6	820.9	806.0	797.1	794.1	791.1
50°	3376.2	2866.2	1416.0	842.6	830.6	816.5	795.6	779.2	768.0	764.3	763.5
52.5°	3580.6	3020.6	1262.4	812.0	800.8	784.4	767.3	750.9	737.4	730.7	730.0
55°	3801.3	3216.7	1166.9	780.7	765.8	751.6	735.9	718.0	703.1	692.7	691.2
57.5°	4029.4	3430.7	1137.8	741.2	730.0	720.3	701.6	682.3	665.1	655.4	653.2
60°	4217.3	3614.9	1192.3	699.4	693.4	680.8	663.6	645.0	633.0	625.6	624.1
62.5°	3530.6	2943.0	962.6	653.9	653.9	640.5	621.1	607.7	599.5	594.3	592.8
65°	2240.6	1822.3	656.9	608.4	607.7	589.8	573.4	564.4	560.7	552.5	551.0
67.5°	976.0	832.9	561.5	562.2	559.2	539.8	523.4	516.7	509.3	500.3	499.6
70°	506.3	516.0	502.6	510.8	505.5	482.4	466.8	456.3	440.7	431.7	432.5
72.5°	408.6	419.0	434.0	446.6	435.5	416.8	392.2	379.5	359.4	349.7	350.4
75°	311.7	322.9	337.0	350.4	341.5	318.4	302.7	290.1	266.9	255.8	258.0
77.5°	214.7	220.7	237.9	237.1	234.1	227.4	204.3	189.4	165.5	152.1	153.6
80°	133.5	137.2	145.4	149.1	147.6	138.7	120.0	108.9	94.7	86.5	87.2
82.5°	80.5	82.8	90.2	91.0	90.2	83.5	69.3	61.1	52.2	47.7	47.7
85°	41.0	42.5	47.0	47.0	42.5	35.8	32.1	28.3	23.1	20.9	20.9
87.5°	11.2	11.2	14.2	11.9	9.7	8.9	4.5	3.7	1.5	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)