

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: P635252

Luminaire Tested: GWS-SA3D-735-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14814.3 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

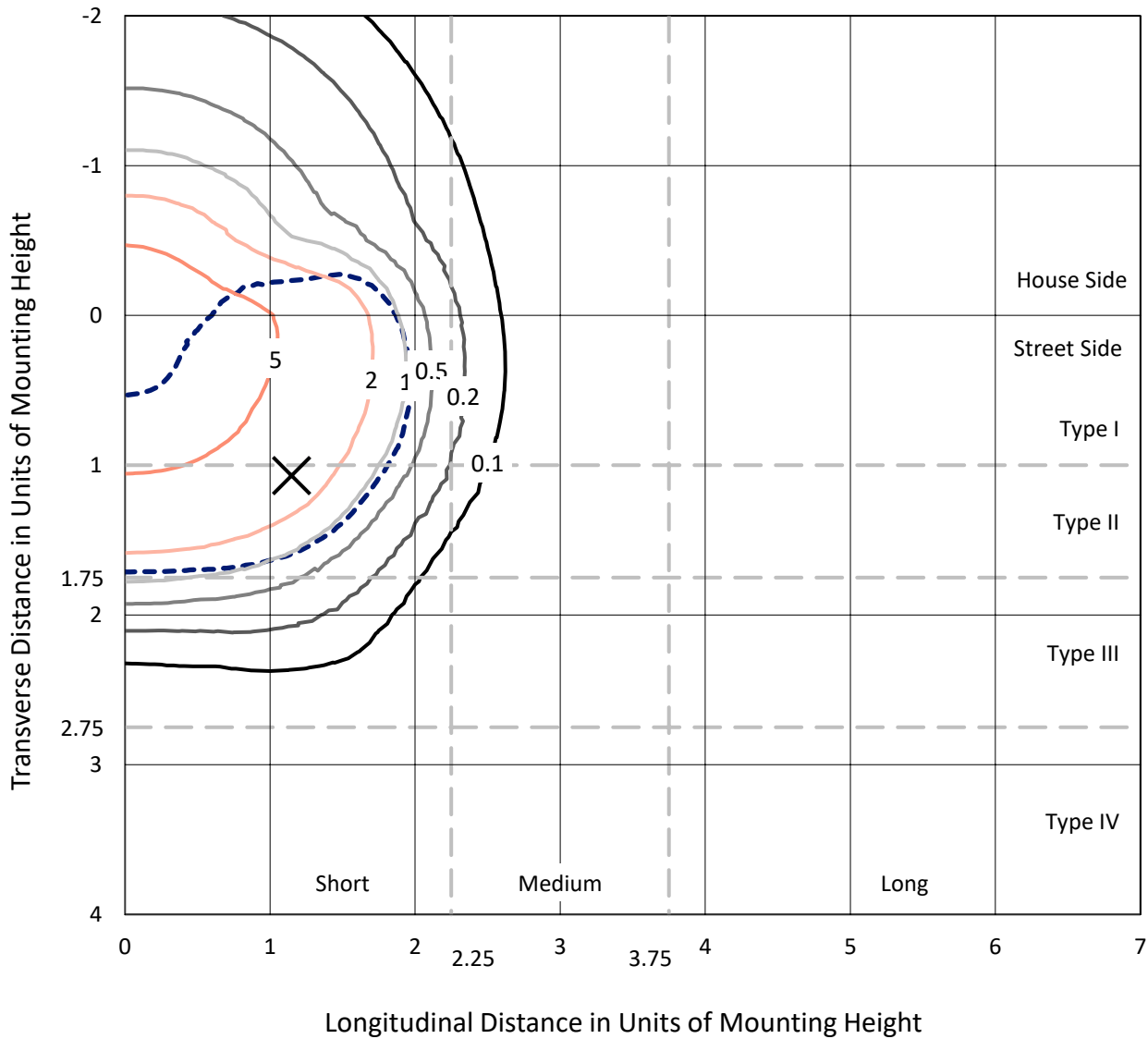
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

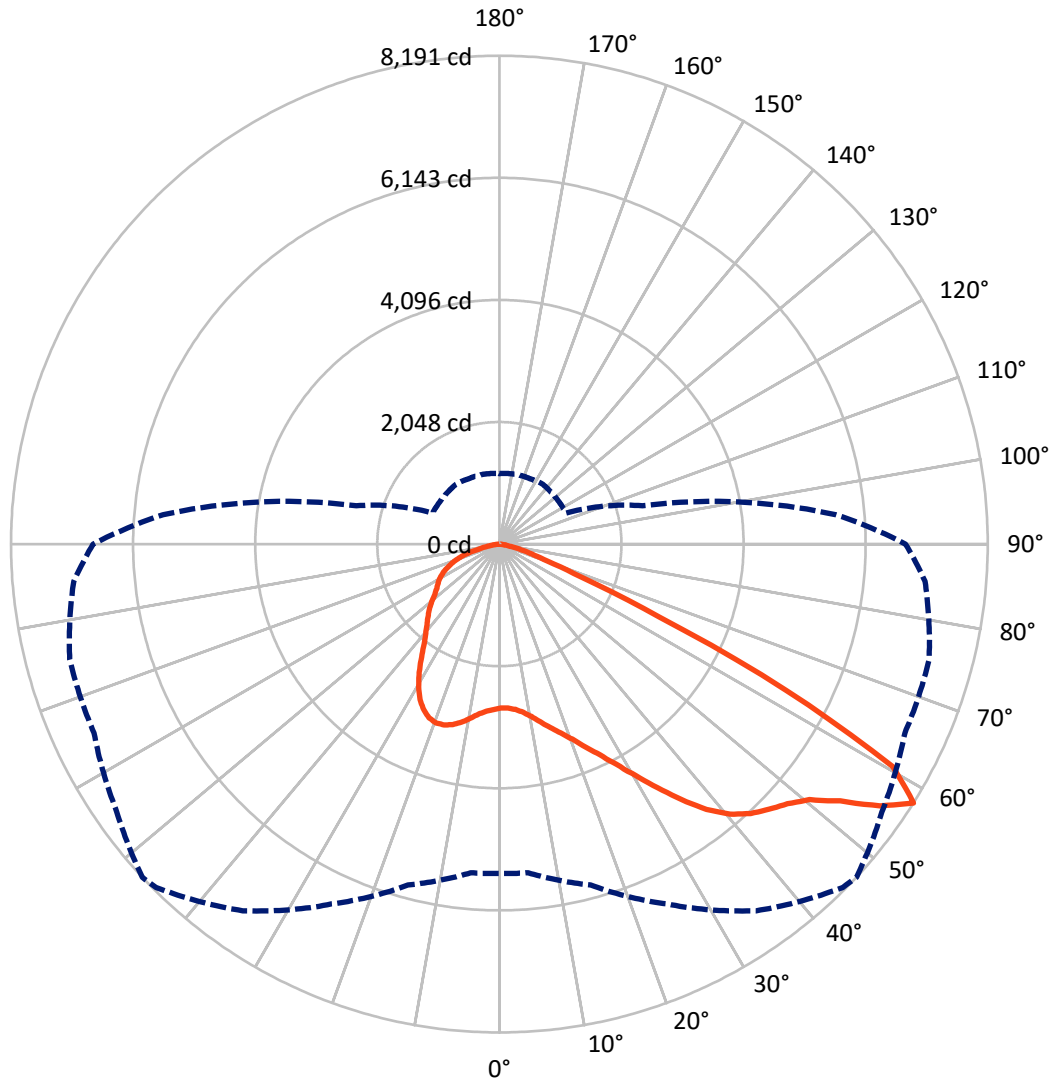
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4688.7	0.0	4688.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	10125.6	0.0	10125.6
	% Fixture	68.4	0.0	68.4
Total	Lumens	14814.3	0.0	14814.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.0	1.8
10°-20°	891.2	6.0
20°-30°	1604.8	10.8
30°-40°	2423.9	16.4
40°-50°	3264.0	22.0
50°-60°	3922.1	26.5
60°-70°	1910.2	12.9
70°-80°	470.6	3.2
80°-90°	56.6	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°	14814.3	100.0
0°-180°	14814.3	100.0

Coefficient of Utilization



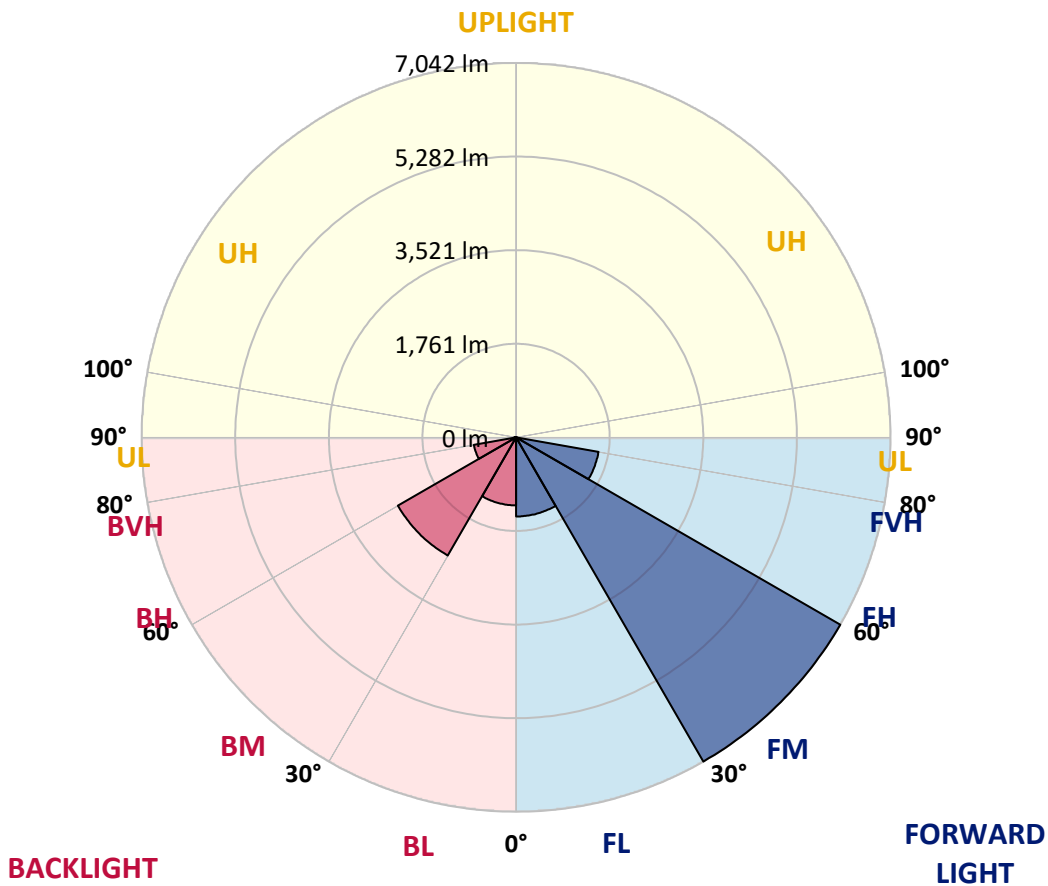
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1488.0	10.0			
FM (30°-60°)	7042.0	47.5			
FH (60°-80°)	1574.3	10.6			G1/1800
FVH (80°-90°)	21.3	0.1			G1/100
BL (0°-30°)	1279.0	8.6	B3/2500		
BM (30°-60°)	2568.0	17.3	B3/5000		
BH (60°-80°)	806.4	5.4	B2/1000		G2/1000
BVH (80°-90°)	35.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3
2.5°	2742.4	2741.1	2741.1	2748.6	2748.6	2751.1	2754.8	2758.5	2759.8	2753.6	2739.9
5°	2772.2	2772.2	2772.2	2778.4	2778.4	2780.9	2785.9	2787.1	2785.9	2776.0	2762.3
7.5°	2819.5	2819.5	2820.7	2828.2	2834.4	2838.2	2846.9	2845.6	2841.9	2825.7	2808.3
10°	2896.6	2900.4	2904.1	2912.8	2925.3	2934.0	2940.2	2940.2	2935.2	2910.3	2887.9
12.5°	3006.1	3011.1	3014.8	3022.3	3032.3	3047.2	3060.9	3060.9	3054.7	3023.6	2990.0
15°	3134.3	3139.3	3138.0	3140.5	3159.2	3180.3	3191.5	3199.0	3201.5	3157.9	3105.7
17.5°	3281.1	3286.1	3281.1	3273.7	3276.1	3309.7	3329.6	3357.0	3373.2	3314.7	3231.4
20°	3414.3	3409.3	3409.3	3414.3	3421.7	3462.8	3492.6	3537.4	3557.3	3486.4	3357.0
22.5°	3554.9	3566.1	3561.1	3561.1	3590.9	3659.4	3695.5	3753.9	3775.1	3683.0	3508.8
25°	3736.5	3746.5	3744.0	3746.5	3781.3	3878.4	3914.5	4022.7	4043.9	3912.0	3676.8
27.5°	3935.6	3951.8	3959.2	3956.8	4012.7	4139.7	4184.5	4335.0	4373.6	4168.3	3856.0
30°	4194.4	4211.8	4218.1	4215.6	4281.5	4454.5	4505.5	4677.2	4731.9	4471.9	4083.7
32.5°	4494.3	4511.7	4530.4	4537.8	4622.4	4799.1	4872.5	5050.5	5128.9	4822.8	4358.7
35°	4791.7	4806.6	4842.7	4901.2	5016.9	5197.3	5262.0	5437.4	5513.3	5187.3	4690.9
37.5°	5120.1	5130.1	5161.2	5242.1	5408.8	5580.5	5645.2	5813.2	5821.9	5539.5	5066.6
40°	5479.7	5479.7	5473.5	5553.1	5727.3	5900.3	5956.3	6053.3	6002.3	5810.7	5432.5
42.5°	5784.6	5779.6	5784.6	5859.2	5988.6	6129.2	6177.8	6159.1	6094.4	6018.5	5763.4
45°	6059.6	6063.3	6108.1	6165.3	6232.5	6315.9	6344.5	6238.7	6180.3	6185.2	6028.5
47.5°	6246.2	6249.9	6354.5	6450.3	6491.3	6517.5	6505.0	6358.2	6328.3	6384.3	6232.5
50°	6271.1	6291.0	6471.4	6668.0	6770.0	6773.8	6738.9	6559.8	6551.0	6614.5	6342.0
52.5°	6276.1	6296.0	6521.2	6875.8	7140.8	7196.8	7157.0	6970.4	6879.5	6816.1	6476.4
55°	6257.4	6279.8	6528.6	7015.2	7522.8	7746.8	7750.5	7486.7	7196.8	7154.5	6859.6
57.5°	5524.5	5533.2	5919.0	6660.5	7507.9	8142.5	8191.0	7832.6	7501.7	7461.8	7167.0
60°	3848.5	3883.3	4302.7	5281.9	6307.2	7425.8	7582.5	7478.0	7256.5	6966.6	6149.1
62.5°	1927.4	1957.2	2377.8	3303.5	4349.9	5233.4	5401.3	5512.1	5564.3	5253.3	4186.9
65°	829.9	852.3	1113.6	1725.8	2462.4	2889.2	2947.7	3080.8	3406.8	3039.7	2255.8
67.5°	554.9	569.9	703.0	1052.6	1450.8	1478.2	1469.5	1498.1	1569.0	1295.3	1019.1
70°	425.5	438.0	527.6	771.4	1042.7	892.1	844.9	766.5	832.4	848.6	826.2
72.5°	308.6	318.5	385.7	526.3	653.2	569.9	562.4	602.2	691.8	716.7	703.0
75°	199.1	204.1	245.1	288.7	337.2	365.8	380.7	452.9	543.7	562.4	546.2
77.5°	133.1	136.9	160.5	185.4	191.6	192.9	197.8	230.2	292.4	327.2	323.5
80°	69.7	69.7	78.4	78.4	89.6	107.0	112.0	133.1	161.8	179.2	180.4
82.5°	27.4	28.6	33.6	37.3	44.8	54.7	58.5	69.7	84.6	97.1	108.3
85°	11.2	12.4	13.7	16.2	19.9	24.9	26.1	29.9	39.8	49.8	56.0
87.5°	0.0	0.0	1.2	1.2	2.5	3.7	3.7	5.0	6.2	11.2	14.9
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°	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3
2.5°	2756.0	2739.9	2756.0	2761.0	2774.7	2779.7	2771.0	2769.7	2769.7	2757.3	2753.6
5°	2774.7	2759.8	2776.0	2783.4	2803.3	2815.8	2818.3	2828.2	2834.4	2829.5	2828.2
7.5°	2820.7	2802.1	2819.5	2830.7	2856.8	2876.7	2885.4	2907.8	2924.0	2921.5	2920.3
10°	2901.6	2876.7	2896.6	2915.3	2943.9	2967.6	2968.8	2981.3	2997.4	2992.5	2990.0
12.5°	2994.9	2971.3	2993.7	3012.4	3046.0	3055.9	3039.7	3034.8	3037.2	3031.0	3026.0
15°	3109.4	3075.8	3095.7	3116.9	3135.5	3124.3	3089.5	3075.8	3074.6	3065.9	3060.9
17.5°	3223.9	3181.6	3196.5	3207.7	3199.0	3164.2	3120.6	3097.0	3085.8	3068.4	3063.4
20°	3337.1	3283.6	3281.1	3272.4	3232.6	3169.1	3110.7	3063.4	3034.8	3011.1	3002.4
22.5°	3466.5	3391.9	3354.5	3314.7	3227.6	3124.3	3036.0	2968.8	2922.8	2892.9	2883.0
25°	3605.9	3500.1	3423.0	3343.3	3177.8	3028.5	2905.4	2813.3	2758.5	2726.2	2715.0
27.5°	3744.0	3598.4	3482.7	3347.1	3078.3	2890.4	2724.9	2600.5	2545.8	2519.6	2510.9
30°	3930.6	3729.1	3553.6	3298.5	2947.7	2698.8	2492.3	2366.6	2330.5	2311.8	2304.4
32.5°	4145.9	3894.5	3648.2	3196.5	2780.9	2474.8	2257.1	2170.0	2145.1	2109.0	2107.8
35°	4429.6	4131.0	3737.8	3046.0	2570.6	2234.7	2076.7	2014.5	1969.7	1912.4	1907.5
37.5°	4760.6	4425.8	3786.3	2854.3	2325.5	2036.9	1942.3	1872.6	1800.4	1724.5	1714.6
40°	5102.7	4770.5	3790.0	2627.9	2085.4	1906.2	1826.6	1735.7	1646.2	1561.6	1550.4
42.5°	5462.3	5091.5	3724.1	2366.6	1888.8	1793.0	1712.1	1597.6	1496.8	1439.6	1433.4
45°	5783.3	5350.3	3574.8	2091.6	1743.2	1698.4	1595.1	1472.0	1418.5	1377.4	1368.7
47.5°	6035.9	5522.0	3373.2	1845.2	1625.0	1601.4	1467.0	1403.5	1362.5	1325.1	1316.4
50°	6160.3	5560.6	3110.7	1644.9	1515.5	1486.9	1394.8	1346.3	1318.9	1289.1	1281.6
52.5°	6314.6	5604.2	2884.2	1476.9	1408.5	1369.9	1335.1	1296.5	1276.6	1258.0	1251.7
55°	6669.3	5768.4	2764.8	1342.6	1306.5	1289.1	1284.1	1251.7	1245.5	1233.1	1221.9
57.5°	6813.6	5662.6	2482.3	1233.1	1225.6	1228.1	1240.5	1210.7	1204.4	1189.5	1182.1
60°	5479.7	4280.3	1681.0	1138.5	1158.4	1174.6	1187.0	1157.2	1148.5	1146.0	1136.0
62.5°	3511.3	2632.9	1173.3	1050.2	1080.0	1099.9	1107.4	1078.8	1072.6	1092.5	1093.7
65°	1827.8	1434.6	951.9	955.6	980.5	1010.3	1025.3	1015.3	1012.8	1034.0	1035.2
67.5°	933.2	877.2	829.9	843.6	863.5	902.1	936.9	980.5	995.4	997.9	999.1
70°	795.1	770.2	746.6	755.3	776.4	797.6	831.2	852.3	827.4	821.2	818.7
72.5°	676.9	658.2	647.0	657.0	668.2	664.4	654.5	664.4	668.2	669.4	670.7
75°	526.3	512.6	503.9	505.2	505.2	491.5	472.8	461.6	449.2	439.2	439.2
77.5°	322.3	324.8	333.5	332.2	331.0	326.0	307.3	297.4	267.5	258.8	258.8
80°	184.2	187.9	196.6	199.1	199.1	192.9	174.2	163.0	149.3	143.1	141.8
82.5°	112.0	117.0	121.9	124.4	125.7	118.2	102.0	93.3	85.9	79.6	79.6
85°	58.5	61.0	65.9	67.2	63.5	56.0	47.3	43.5	36.1	34.8	34.8
87.5°	16.2	17.4	19.9	16.2	14.9	11.2	6.2	5.0	2.5	1.2	1.2
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)