

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: P634871

Luminaire Tested: GWS-SA3C-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY 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: 12510.3 lumens
Efficiency: N/A
Efficacy: 134.5 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

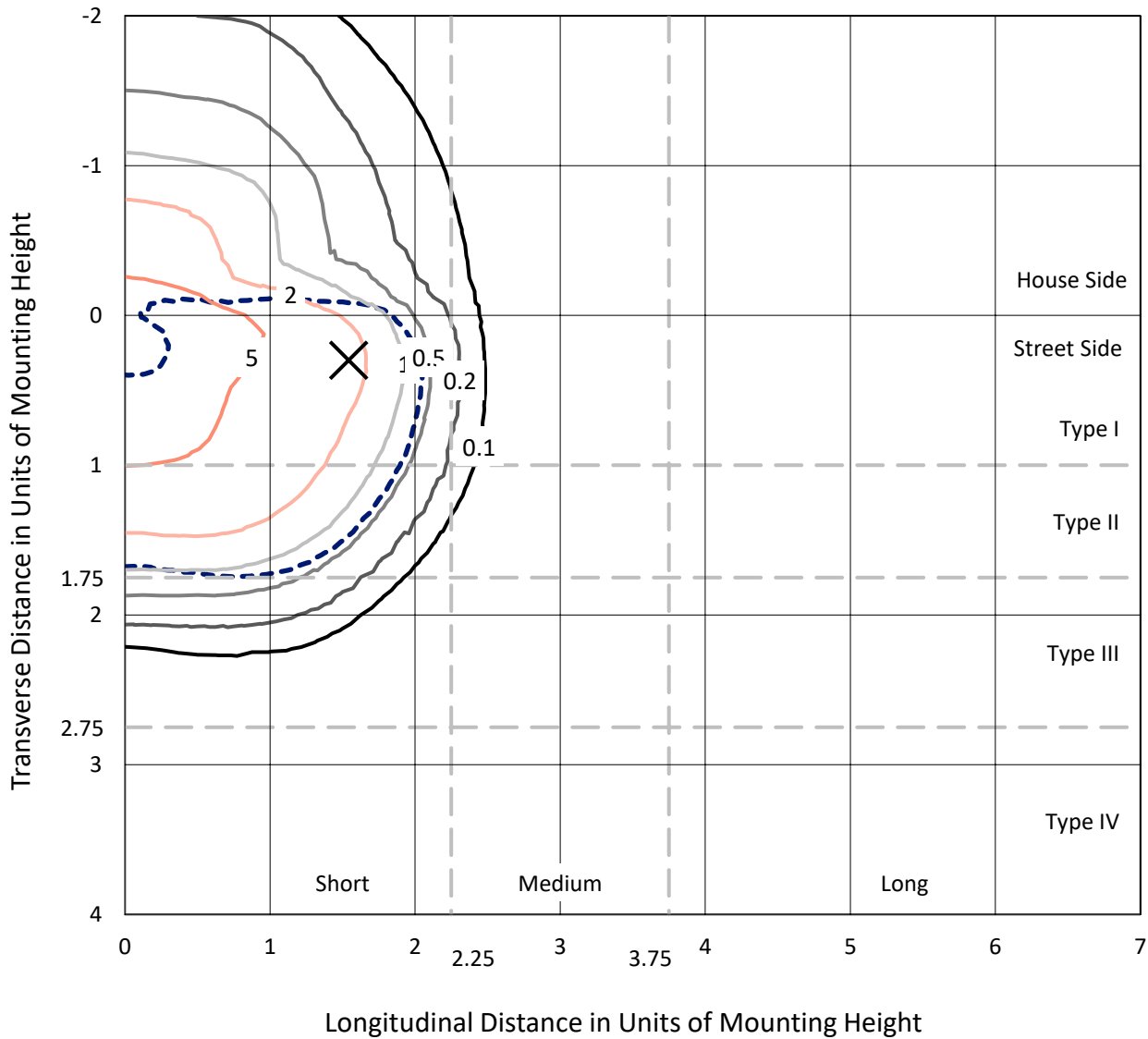
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

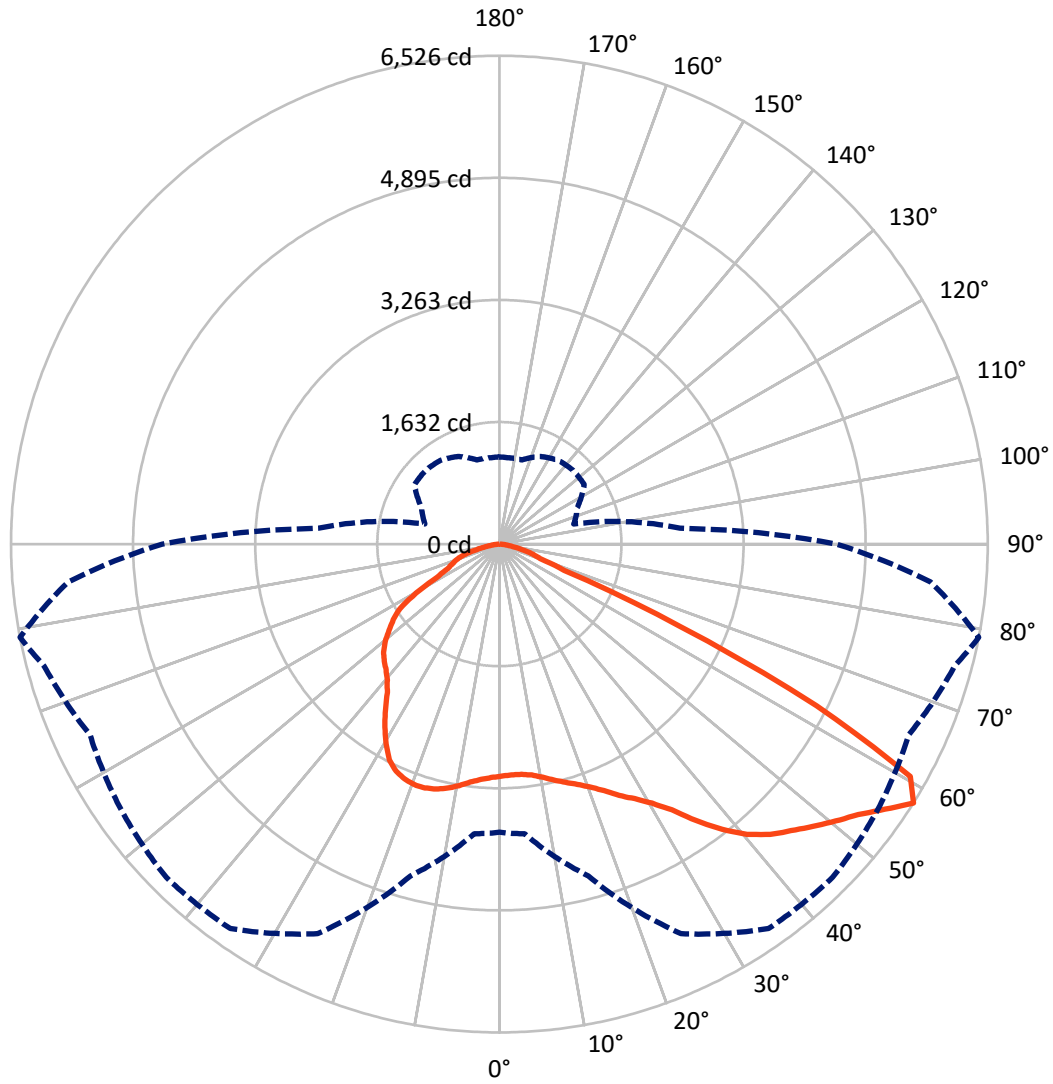
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3718.7	0.0	3718.7
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	8791.6	0.0	8791.6
	% Fixture	70.3	0.0	70.3
Total	Lumens	12510.3	0.0	12510.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.1	2.3
10°-20°	797.9	6.4
20°-30°	1352.5	10.8
30°-40°	2070.1	16.5
40°-50°	2760.3	22.1
50°-60°	3188.0	25.5
60°-70°	1656.6	13.2
70°-80°	352.1	2.8
80°-90°	45.6	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°	12510.3	100.0
0°-180°	12510.3	100.0

Coefficient of Utilization



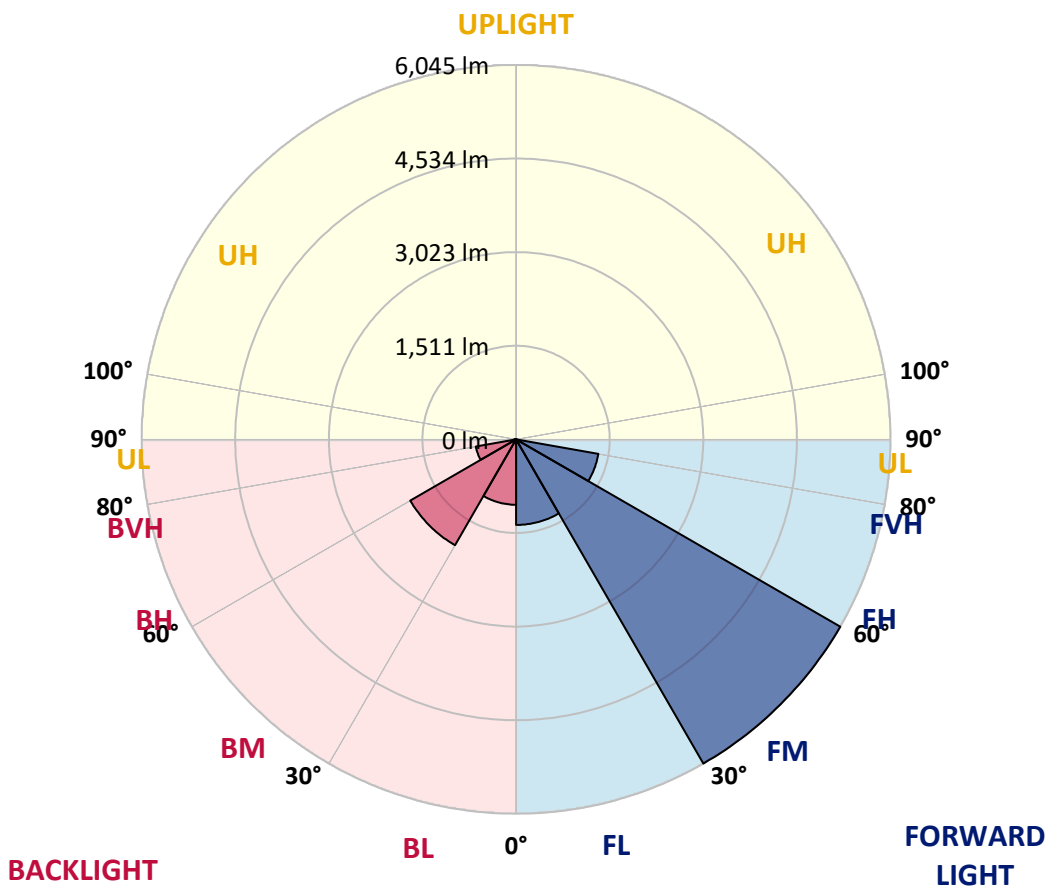
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1381.4	11.0			
FM (30°-60°)	6045.3	48.3			
FH (60°-80°)	1348.9	10.8			G1/1800
FVH (80°-90°)	15.9	0.1			G1/100
BL (0°-30°)	1056.1	8.4	B3/2500		
BM (30°-60°)	1973.1	15.8	B2/2500		
BH (60°-80°)	659.8	5.3	B2/1000		G2/1000
BVH (80°-90°)	29.7	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°	55°	65°	75°	79°	85°
0°	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3
2.5°	2959.2	2953.0	2955.1	2963.3	2994.0	3016.5	3040.0	3061.5	3081.9	3088.1	3093.2
5°	2853.8	2842.6	2845.6	2858.9	2894.7	2932.6	2974.5	3025.7	3074.8	3091.1	3112.6
7.5°	2779.2	2777.1	2782.2	2802.7	2840.5	2876.3	2930.5	3003.2	3088.1	3115.7	3153.5
10°	2679.9	2675.8	2696.3	2738.2	2800.6	2857.9	2922.4	3008.3	3126.9	3167.9	3226.2
12.5°	2601.2	2599.1	2620.6	2678.9	2758.7	2849.7	2938.7	3034.9	3179.1	3235.4	3307.0
15°	2647.2	2638.0	2639.0	2679.9	2751.5	2858.9	2979.6	3083.0	3231.3	3302.9	3394.9
17.5°	2781.2	2764.8	2752.6	2759.7	2800.6	2912.1	3042.0	3147.4	3291.6	3375.5	3488.0
20°	2966.3	2957.1	2923.4	2900.9	2910.1	3008.3	3140.2	3238.4	3370.4	3464.5	3585.2
22.5°	3214.9	3192.4	3146.4	3110.6	3083.0	3159.7	3281.4	3366.3	3479.8	3578.0	3703.8
25°	3522.8	3490.1	3417.4	3361.2	3301.8	3380.6	3489.0	3553.5	3630.2	3721.2	3840.9
27.5°	3836.8	3809.2	3728.4	3652.7	3579.0	3628.1	3757.0	3793.9	3785.7	3852.2	3954.4
30°	4171.3	4136.5	4059.8	3978.0	3882.8	3914.6	4030.1	4048.5	3961.6	4016.8	4086.4
32.5°	4524.2	4490.4	4423.9	4328.8	4221.4	4233.7	4265.4	4282.8	4199.9	4231.6	4284.8
35°	4883.2	4851.5	4784.0	4689.9	4611.1	4536.5	4456.7	4526.2	4478.2	4539.5	4535.4
37.5°	5211.6	5179.9	5137.9	5065.3	4930.3	4783.0	4598.9	4684.8	4759.4	4837.2	4823.9
40°	5433.5	5412.0	5422.3	5411.0	5237.1	4945.6	4668.4	4762.5	4966.1	5099.0	5091.9
42.5°	5624.8	5603.3	5662.6	5705.6	5501.0	5096.0	4702.2	4792.2	5098.0	5305.7	5295.4
45°	5709.7	5703.6	5801.8	5937.8	5742.4	5255.5	4789.1	4853.6	5198.3	5464.2	5425.3
47.5°	5608.4	5629.9	5823.2	6053.4	5942.9	5444.8	4967.1	4983.5	5329.2	5636.1	5526.6
50°	5406.9	5454.0	5714.8	6056.5	6089.2	5658.6	5213.6	5172.7	5505.1	5819.1	5579.8
52.5°	5113.4	5162.5	5588.0	6032.9	6173.1	5906.1	5542.0	5483.6	5727.1	6002.2	5589.0
55°	4439.3	4505.8	5297.5	5979.7	6254.9	6131.1	5912.2	5793.6	6013.5	6253.9	5680.0
57.5°	3851.1	3885.9	4589.7	5743.5	6271.3	6296.8	6176.1	6035.0	6297.9	6526.0	5782.3
60°	2826.2	2834.4	3467.6	4752.3	5769.0	6200.7	6154.7	5945.0	6162.8	6308.1	5313.8
62.5°	1596.7	1597.7	2103.0	3171.9	4309.4	5054.0	5082.7	4897.5	4714.4	4757.4	3698.7
65°	599.4	655.7	960.5	1558.9	2484.6	2983.7	3102.4	3145.3	2840.5	2651.3	1983.4
67.5°	401.0	414.3	560.5	801.9	1105.7	1276.6	1427.9	1432.0	1047.4	933.9	781.5
70°	305.8	319.1	440.9	573.8	560.5	517.6	559.5	544.2	562.6	577.9	594.3
72.5°	228.1	241.4	341.6	405.1	336.5	331.4	375.4	417.3	456.2	472.6	498.1
75°	151.4	161.6	230.1	216.9	186.2	219.9	274.1	316.1	338.6	358.0	377.4
77.5°	96.2	103.3	122.7	99.2	103.3	128.9	159.6	197.4	218.9	238.3	248.6
80°	44.0	43.0	41.9	47.1	58.3	75.7	96.2	118.7	135.0	143.2	149.3
82.5°	17.4	19.4	21.5	25.6	31.7	40.9	54.2	69.6	82.9	84.9	90.0
85°	7.2	8.2	9.2	11.3	14.3	18.4	22.5	31.7	39.9	43.0	46.0
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	3.1	5.1	9.2	10.2	11.3
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°	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3
2.5°	3120.8	3107.5	3130.0	3145.3	3159.7	3144.3	3139.2	3125.9	3123.9	3123.9	3131.0
5°	3149.4	3140.2	3163.8	3173.0	3171.9	3138.2	3117.7	3091.1	3077.8	3077.8	3079.9
7.5°	3200.6	3195.5	3208.8	3194.4	3161.7	3093.2	3025.7	2969.4	2931.6	2912.1	2918.3
10°	3285.5	3279.3	3268.1	3214.9	3120.8	2978.6	2840.5	2738.2	2676.9	2642.1	2644.1
12.5°	3368.3	3358.1	3318.2	3200.6	3007.3	2781.2	2600.2	2485.6	2418.1	2377.2	2368.0
15°	3459.4	3432.8	3346.9	3126.9	2822.1	2539.8	2350.6	2226.8	2154.2	2129.6	2128.6
17.5°	3546.3	3499.3	3343.8	2996.0	2600.2	2287.2	2096.9	2020.2	2007.9	2019.2	2022.2
20°	3634.3	3558.6	3310.0	2815.0	2336.3	2035.5	1937.3	1969.0	2015.1	2045.8	2052.9
22.5°	3725.3	3607.7	3233.3	2581.7	2058.0	1865.7	1906.6	1976.2	2033.5	2074.4	2078.5
25°	3827.6	3653.7	3118.8	2296.4	1835.0	1818.7	1899.5	1973.1	2034.5	2081.6	2089.7
27.5°	3885.9	3654.7	2958.2	2002.8	1732.8	1800.3	1882.1	1951.7	2013.0	2064.2	2073.4
30°	3943.2	3627.1	2703.5	1764.5	1703.1	1778.8	1852.4	1916.9	1975.2	2025.3	2036.5
32.5°	4024.0	3601.6	2409.9	1627.4	1685.7	1758.3	1818.7	1876.0	1921.0	1943.5	1949.6
35°	4124.2	3568.8	2097.9	1568.1	1674.5	1742.0	1795.1	1825.8	1767.5	1755.3	1768.6
37.5°	4264.4	3538.1	1787.0	1542.5	1667.3	1735.8	1782.9	1704.1	1632.5	1603.9	1614.1
40°	4415.8	3520.7	1576.3	1522.0	1670.4	1742.0	1731.7	1615.1	1511.8	1451.5	1449.4
42.5°	4544.6	3494.1	1441.2	1508.7	1678.5	1765.5	1662.2	1536.4	1382.9	1347.1	1348.2
45°	4631.6	3426.6	1369.6	1494.4	1685.7	1770.6	1629.4	1427.9	1318.5	1296.0	1295.0
47.5°	4667.4	3303.9	1323.6	1471.9	1684.7	1728.7	1563.0	1382.9	1273.5	1267.3	1271.4
50°	4643.9	3102.4	1276.6	1427.9	1660.1	1684.7	1486.2	1343.0	1242.8	1276.6	1301.1
52.5°	4556.9	2841.6	1220.3	1367.6	1616.1	1634.6	1447.4	1318.5	1220.3	1265.3	1284.7
55°	4534.4	2629.8	1148.7	1288.8	1550.7	1545.6	1406.5	1306.2	1204.9	1187.6	1190.6
57.5°	4504.8	2423.2	1030.0	1147.7	1385.0	1393.2	1367.6	1291.9	1165.1	1159.9	1165.1
60°	3913.5	1857.5	918.5	990.1	1137.4	1181.4	1323.6	1265.3	1100.6	1079.1	1078.1
62.5°	2556.2	1125.2	817.3	863.3	926.7	977.9	1207.0	1188.6	1030.0	1016.7	1025.9
65°	1374.7	801.9	743.6	771.2	806.0	844.9	1000.4	1058.7	930.8	883.8	884.8
67.5°	702.7	682.3	688.4	707.8	734.4	753.9	807.1	858.2	793.8	753.9	752.8
70°	601.5	617.8	627.0	638.3	655.7	652.6	657.7	666.9	661.8	642.4	641.3
72.5°	512.5	538.0	540.1	542.1	548.3	533.9	524.7	509.4	510.4	513.5	514.5
75°	389.7	414.3	420.4	417.3	423.5	405.1	392.8	377.4	359.0	356.0	358.0
77.5°	253.7	273.1	282.3	280.3	283.3	269.0	262.9	246.5	225.0	216.9	216.9
80°	153.4	164.7	171.8	173.9	177.0	166.7	156.5	142.2	133.0	123.8	123.8
82.5°	93.1	100.2	105.4	105.4	108.4	97.2	89.0	78.8	74.7	66.5	66.5
85°	47.1	52.2	54.2	53.2	51.1	41.9	38.9	33.8	31.7	27.6	27.6
87.5°	11.3	14.3	14.3	10.2	10.2	5.1	3.1	1.0	0.0	0.0	0.0
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)