

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: P634757

Luminaire Tested: GWS-SA3C-735-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634757
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-SA3C-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: 11742.8 lumens
Efficiency: N/A
Efficacy: 126.3 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

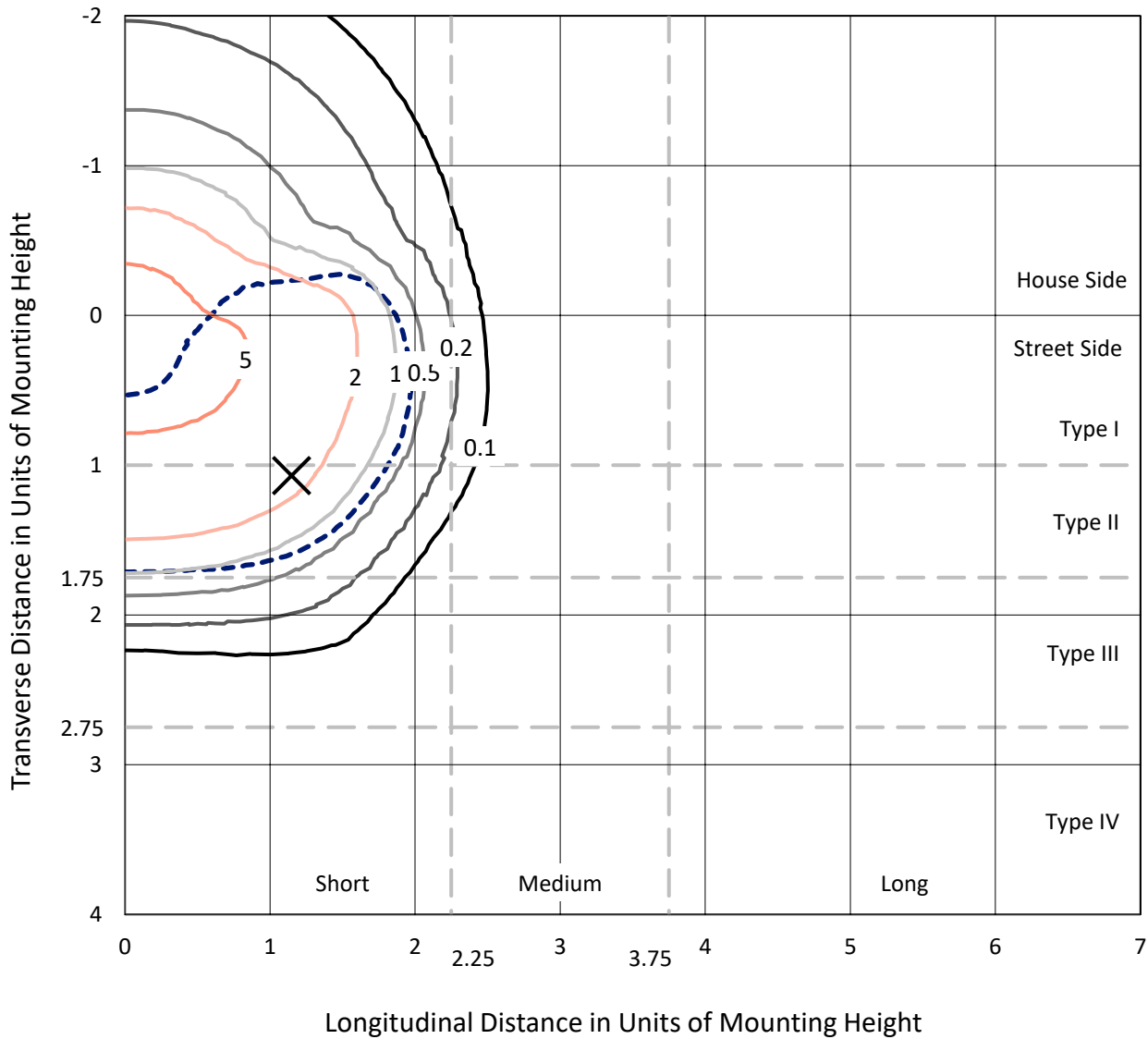
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

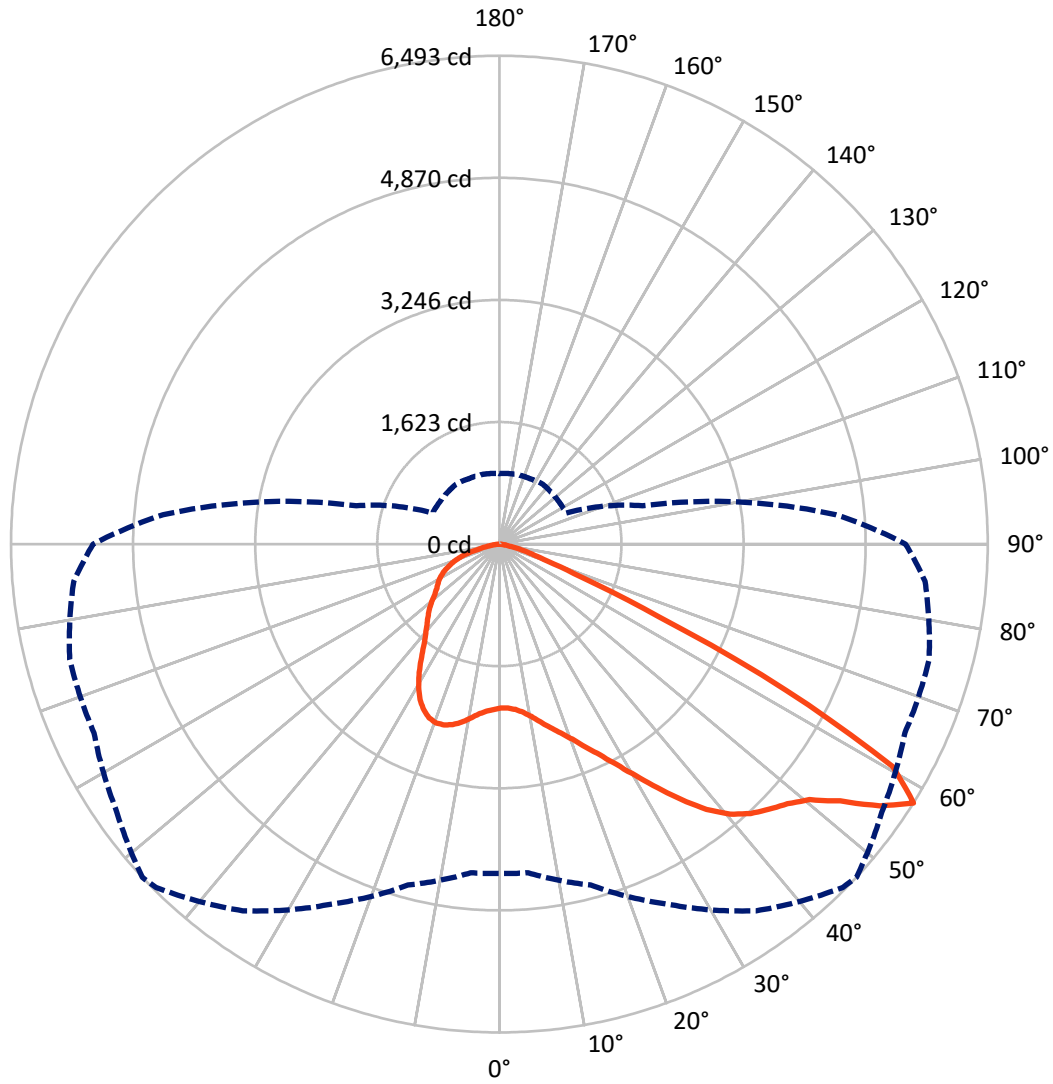
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 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	3716.6	0.0	3716.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	8026.2	0.0	8026.2
	% Fixture	68.4	0.0	68.4
Total	Lumens	11742.8	0.0	11742.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.8	1.8
10°-20°	706.5	6.0
20°-30°	1272.1	10.8
30°-40°	1921.3	16.4
40°-50°	2587.3	22.0
50°-60°	3109.0	26.5
60°-70°	1514.1	12.9
70°-80°	373.0	3.2
80°-90°	44.8	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°	11742.8	100.0
0°-180°	11742.8	100.0

Coefficient of Utilization



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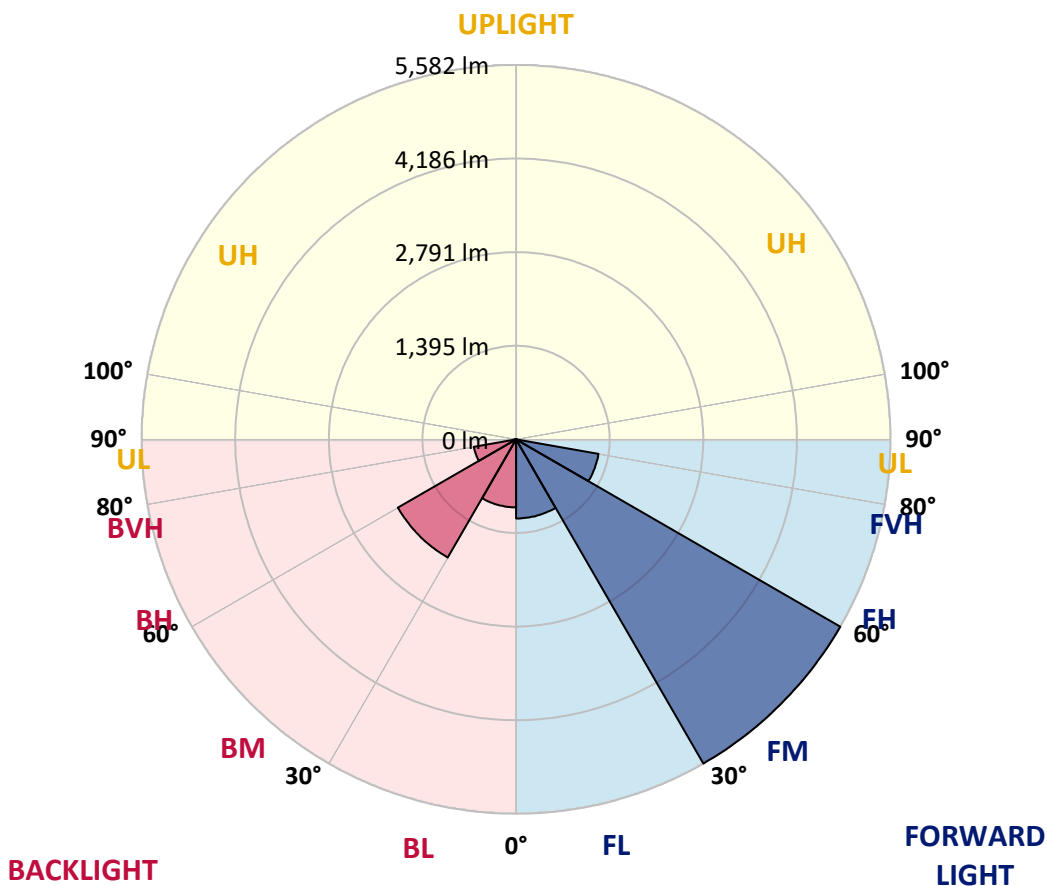
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1179.5	10.0			
FM (30°-60°)	5582.0	47.5			
FH (60°-80°)	1247.9	10.6			G1/1800
FVH (80°-90°)	16.8	0.1			G1/100
BL (0°-30°)	1013.8	8.6	B3/2500		
BM (30°-60°)	2035.5	17.3	B2/2500		
BH (60°-80°)	639.2	5.4	B2/1000		G2/1000
BVH (80°-90°)	28.0	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°	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7
2.5°	2173.8	2172.8	2172.8	2178.7	2178.7	2180.7	2183.6	2186.6	2187.6	2182.7	2171.8
5°	2197.4	2197.4	2197.4	2202.4	2202.4	2204.3	2208.3	2209.3	2208.3	2200.4	2189.6
7.5°	2234.9	2234.9	2235.9	2241.8	2246.8	2249.7	2256.6	2255.6	2252.7	2239.9	2226.0
10°	2296.1	2299.0	2302.0	2308.9	2318.8	2325.7	2330.6	2330.6	2326.6	2306.9	2289.2
12.5°	2382.9	2386.8	2389.8	2395.7	2403.6	2415.4	2426.3	2426.3	2421.3	2396.7	2370.0
15°	2484.5	2488.4	2487.4	2489.4	2504.2	2520.9	2529.8	2535.7	2537.7	2503.2	2461.8
17.5°	2600.8	2604.8	2600.8	2594.9	2596.9	2623.5	2639.3	2661.0	2673.8	2627.5	2561.4
20°	2706.4	2702.4	2702.4	2706.4	2712.3	2744.8	2768.5	2804.0	2819.8	2763.6	2661.0
22.5°	2817.8	2826.7	2822.8	2822.8	2846.4	2900.7	2929.3	2975.6	2992.4	2919.4	2781.3
25°	2961.8	2969.7	2967.7	2969.7	2997.3	3074.3	3102.9	3188.7	3205.4	3100.9	2914.5
27.5°	3119.6	3132.4	3138.4	3136.4	3180.8	3281.4	3316.9	3436.2	3466.8	3304.1	3056.5
30°	3324.8	3338.6	3343.5	3341.5	3393.8	3530.9	3571.3	3707.4	3750.8	3544.7	3237.0
32.5°	3562.5	3576.3	3591.1	3597.0	3664.1	3804.1	3862.3	4003.3	4065.5	3822.8	3455.0
35°	3798.2	3810.0	3838.6	3885.0	3976.7	4119.7	4171.0	4310.1	4370.2	4111.8	3718.3
37.5°	4058.6	4066.5	4091.1	4155.2	4287.4	4423.5	4474.8	4607.9	4614.8	4390.9	4016.2
40°	4343.6	4343.6	4338.7	4401.8	4539.9	4677.0	4721.4	4798.3	4757.8	4606.0	4306.1
42.5°	4585.2	4581.3	4585.2	4644.4	4747.0	4858.4	4896.9	4882.1	4830.8	4770.7	4568.5
45°	4803.2	4806.2	4841.7	4887.0	4940.3	5006.4	5029.1	4945.2	4898.9	4902.8	4778.6
47.5°	4951.2	4954.1	5037.0	5112.9	5145.5	5166.2	5156.3	5039.9	5016.2	5060.6	4940.3
50°	4970.9	4986.7	5129.7	5285.5	5366.4	5369.3	5341.7	5199.7	5192.8	5243.1	5027.1
52.5°	4974.8	4990.6	5169.1	5450.2	5660.3	5704.7	5673.1	5525.2	5453.2	5402.9	5133.6
55°	4960.0	4977.8	5175.0	5560.7	5963.1	6140.6	6143.6	5934.5	5704.7	5671.1	5437.4
57.5°	4379.1	4386.0	4691.8	5279.6	5951.2	6454.3	6492.7	6208.7	5946.3	5914.8	5681.0
60°	3050.6	3078.2	3410.6	4186.8	4999.5	5886.2	6010.4	5927.6	5752.0	5522.2	4874.2
62.5°	1527.8	1551.4	1884.8	2618.6	3448.1	4148.3	4281.5	4369.2	4410.7	4164.1	3318.9
65°	657.9	675.6	882.7	1368.0	1951.9	2290.2	2336.5	2442.0	2700.5	2409.5	1788.1
67.5°	439.9	451.7	557.3	834.4	1150.0	1171.7	1164.8	1187.5	1243.7	1026.7	807.8
70°	337.3	347.2	418.2	611.5	826.5	707.2	669.7	607.6	659.8	672.6	654.9
72.5°	244.6	252.5	305.7	417.2	517.8	451.7	445.8	477.4	548.4	568.1	557.3
75°	157.8	161.8	194.3	228.8	267.3	290.0	301.8	359.0	431.0	445.8	433.0
77.5°	105.5	108.5	127.2	147.0	151.9	152.9	156.8	182.5	231.8	259.4	256.4
80°	55.2	55.2	62.1	62.1	71.0	84.8	88.8	105.5	128.2	142.0	143.0
82.5°	21.7	22.7	26.6	29.6	35.5	43.4	46.4	55.2	67.1	76.9	85.8
85°	8.9	9.9	10.8	12.8	15.8	19.7	20.7	23.7	31.6	39.5	44.4
87.5°	0.0	0.0	1.0	1.0	2.0	3.0	3.0	3.9	4.9	8.9	11.8
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°	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7
2.5°	2184.6	2171.8	2184.6	2188.6	2199.4	2203.4	2196.5	2195.5	2195.5	2185.6	2182.7
5°	2199.4	2187.6	2200.4	2206.3	2222.1	2232.0	2233.9	2241.8	2246.8	2242.8	2241.8
7.5°	2235.9	2221.1	2234.9	2243.8	2264.5	2280.3	2287.2	2305.0	2317.8	2315.8	2314.8
10°	2300.0	2280.3	2296.1	2310.9	2333.6	2352.3	2353.3	2363.1	2376.0	2372.0	2370.0
12.5°	2374.0	2355.3	2373.0	2387.8	2414.4	2422.3	2409.5	2405.6	2407.5	2402.6	2398.6
15°	2464.7	2438.1	2453.9	2470.6	2485.4	2476.6	2448.9	2438.1	2437.1	2430.2	2426.3
17.5°	2555.5	2521.9	2533.8	2542.6	2535.7	2508.1	2473.6	2454.9	2446.0	2432.2	2428.2
20°	2645.2	2602.8	2600.8	2593.9	2562.4	2512.1	2465.7	2428.2	2405.6	2386.8	2379.9
22.5°	2747.8	2688.6	2659.0	2627.5	2558.4	2476.6	2406.5	2353.3	2316.8	2293.1	2285.2
25°	2858.3	2774.4	2713.3	2650.2	2519.0	2400.6	2303.0	2230.0	2186.6	2161.0	2152.1
27.5°	2967.7	2852.3	2760.6	2653.1	2440.1	2291.1	2160.0	2061.3	2017.9	1997.2	1990.3
30°	3115.7	2955.9	2816.8	2614.6	2336.5	2139.3	1975.5	1875.9	1847.3	1832.5	1826.6
32.5°	3286.3	3087.1	2891.8	2533.8	2204.3	1961.7	1789.1	1720.1	1700.4	1671.8	1670.8
35°	3511.2	3274.5	2962.8	2414.4	2037.7	1771.4	1646.1	1596.8	1561.3	1515.9	1512.0
37.5°	3773.5	3508.2	3001.3	2262.5	1843.4	1614.5	1539.6	1484.4	1427.2	1367.0	1359.1
40°	4044.8	3781.4	3004.2	2083.0	1653.0	1511.0	1447.9	1375.9	1304.9	1237.8	1228.9
42.5°	4329.8	4035.9	2952.0	1875.9	1497.2	1421.2	1357.1	1266.4	1186.5	1141.1	1136.2
45°	4584.3	4241.0	2833.6	1657.9	1381.8	1346.3	1264.4	1166.8	1124.4	1091.8	1084.9
47.5°	4784.5	4377.1	2673.8	1462.7	1288.1	1269.3	1162.8	1112.5	1080.0	1050.4	1043.5
50°	4883.1	4407.7	2465.7	1303.9	1201.3	1178.6	1105.6	1067.2	1045.5	1021.8	1015.9
52.5°	5005.4	4442.2	2286.2	1170.7	1116.5	1085.9	1058.3	1027.7	1011.9	997.1	992.2
55°	5286.5	4572.4	2191.5	1064.2	1035.6	1021.8	1017.8	992.2	987.3	977.4	968.5
57.5°	5400.9	4488.6	1967.6	977.4	971.5	973.5	983.3	959.7	954.7	942.9	937.0
60°	4343.6	3392.8	1332.5	902.5	918.2	931.1	940.9	917.2	910.3	908.4	900.5
62.5°	2783.3	2087.0	930.1	832.4	856.1	871.9	877.8	855.1	850.2	866.0	866.9
65°	1448.9	1137.2	754.5	757.5	777.2	800.9	812.7	804.8	802.8	819.6	820.6
67.5°	739.7	695.3	657.9	668.7	684.5	715.1	742.7	777.2	789.0	791.0	792.0
70°	630.2	610.5	591.8	598.7	615.4	632.2	658.8	675.6	655.9	650.9	649.0
72.5°	536.5	521.7	512.9	520.8	529.6	526.7	518.8	526.7	529.6	530.6	531.6
75°	417.2	406.3	399.4	400.4	400.4	389.6	374.8	365.9	356.0	348.2	348.2
77.5°	255.4	257.4	264.3	263.3	262.4	258.4	243.6	235.7	212.1	205.1	205.1
80°	146.0	148.9	155.8	157.8	157.8	152.9	138.1	129.2	118.4	113.4	112.4
82.5°	88.8	92.7	96.7	98.6	99.6	93.7	80.9	74.0	68.1	63.1	63.1
85°	46.4	48.3	52.3	53.3	50.3	44.4	37.5	34.5	28.6	27.6	27.6
87.5°	12.8	13.8	15.8	12.8	11.8	8.9	4.9	3.9	2.0	1.0	1.0
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)