

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: P634867

Luminaire Tested: GWS-SA3C-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634867
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12178.8 lumens
Efficiency: N/A
Efficacy: 131.0 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

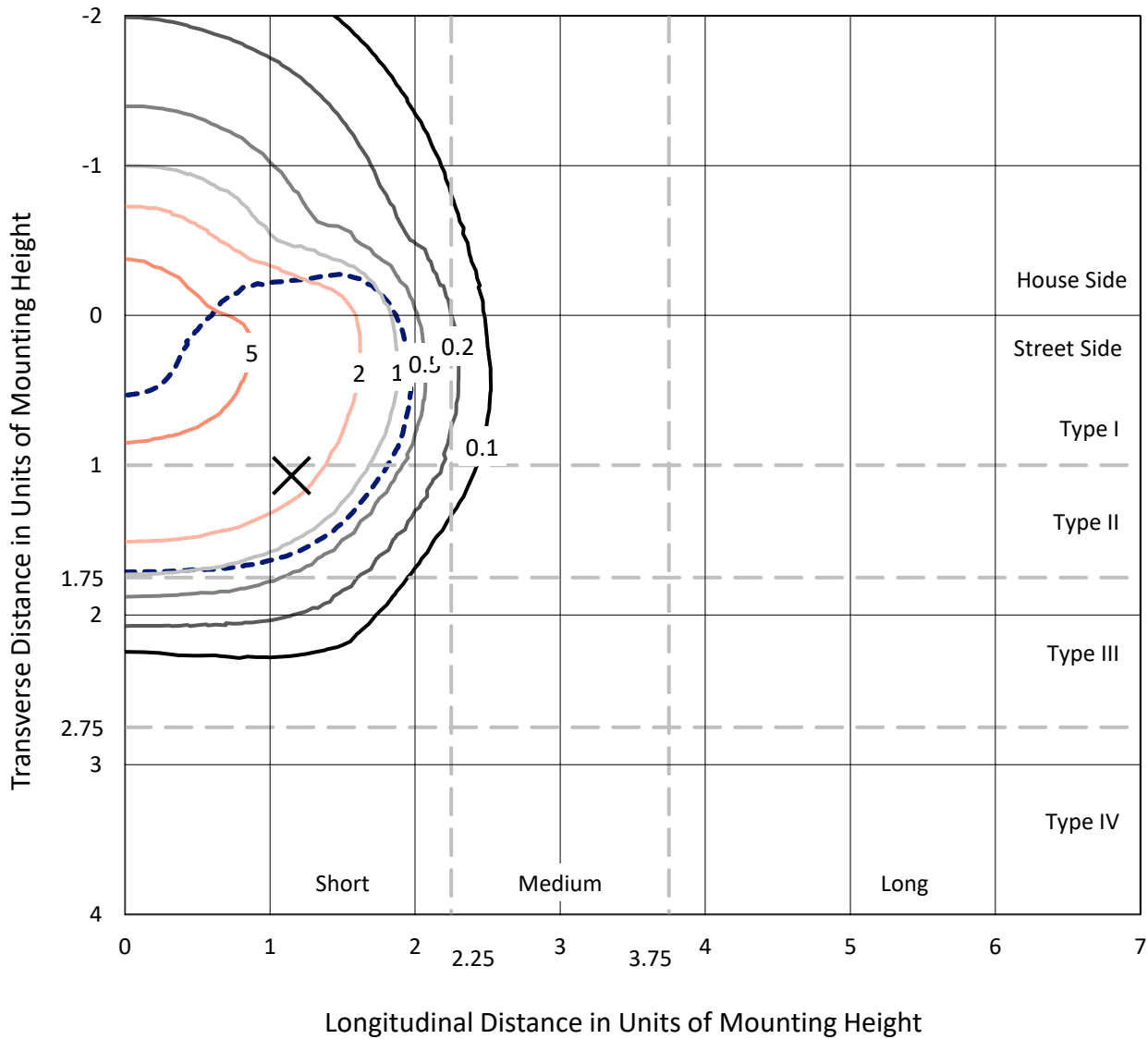
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

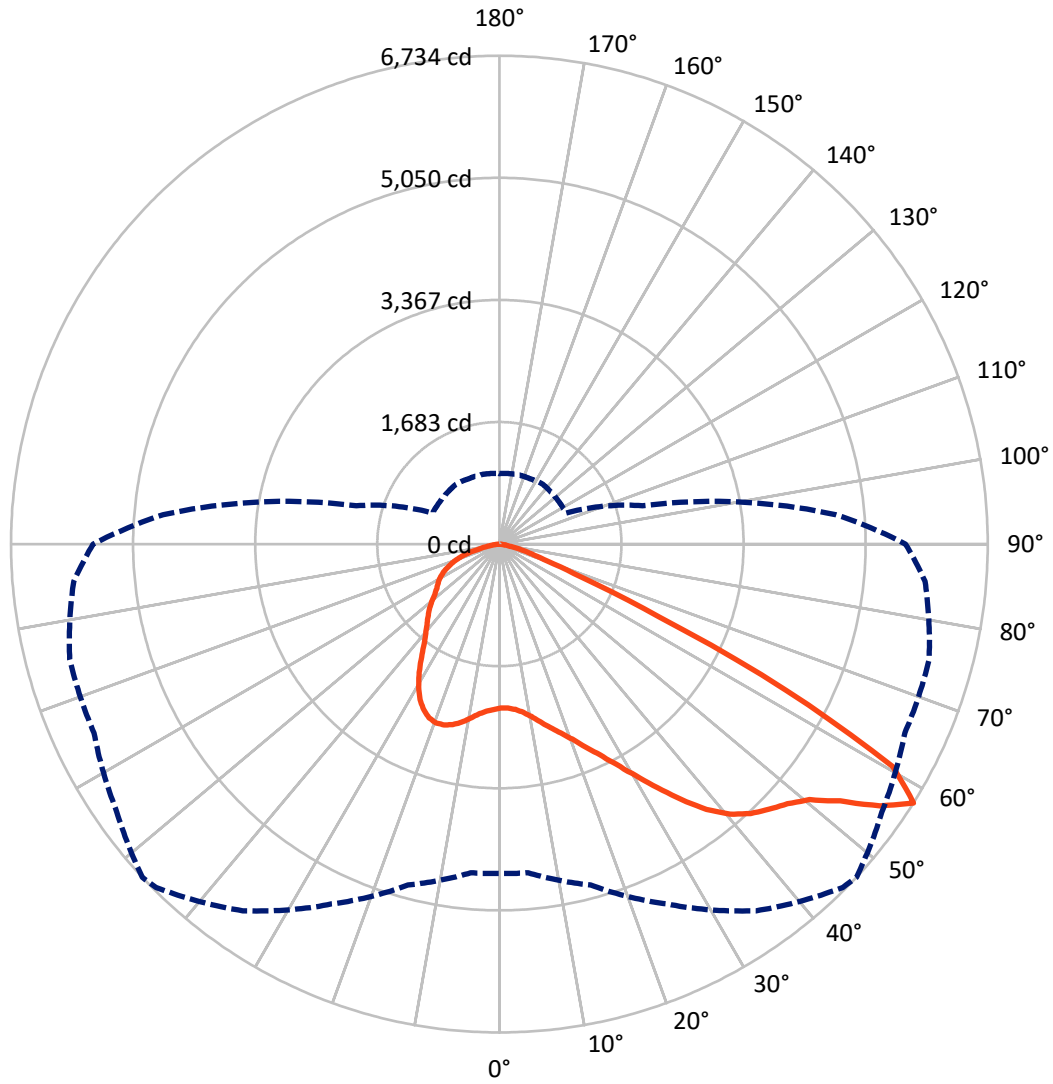
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 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	3854.6	0.0	3854.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	8324.2	0.0	8324.2
	% Fixture	68.4	0.0	68.4
Total	Lumens	12178.8	0.0	12178.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.8	1.8
10°-20°	732.7	6.0
20°-30°	1319.3	10.8
30°-40°	1992.6	16.4
40°-50°	2683.3	22.0
50°-60°	3224.4	26.5
60°-70°	1570.3	12.9
70°-80°	386.9	3.2
80°-90°	46.5	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°	12178.8	100.0
0°-180°	12178.8	100.0

Coefficient of Utilization



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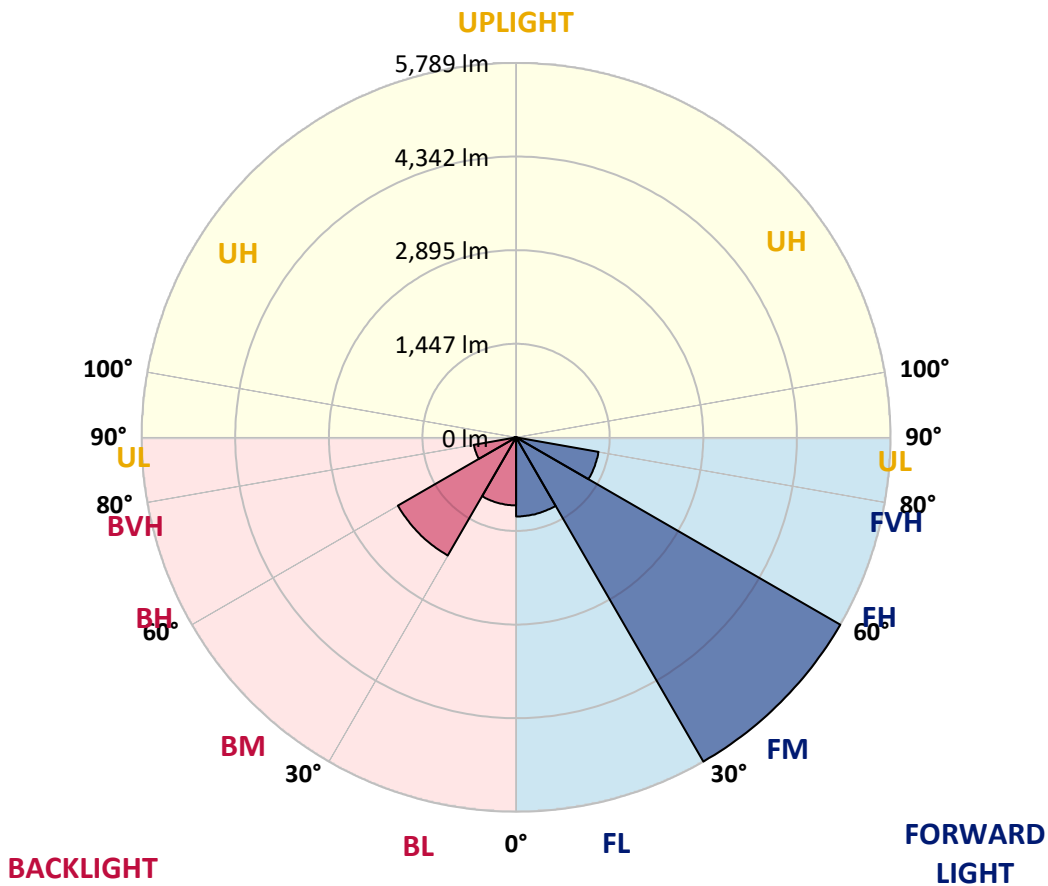
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1223.3	10.0			
FM (30°-60°)	5789.2	47.5			
FH (60°-80°)	1294.2	10.6			G1/1800
FVH (80°-90°)	17.5	0.1			G1/100
BL (0°-30°)	1051.5	8.6	B3/2500		
BM (30°-60°)	2111.1	17.3	B2/2500		
BH (60°-80°)	663.0	5.4	B2/1000		G2/1000
BVH (80°-90°)	29.0	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°	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6
2.5°	2254.5	2253.5	2253.5	2259.6	2259.6	2261.6	2264.7	2267.8	2268.8	2263.7	2252.4
5°	2279.0	2279.0	2279.0	2284.1	2284.1	2286.2	2290.3	2291.3	2290.3	2282.1	2270.9
7.5°	2317.9	2317.9	2318.9	2325.1	2330.2	2333.2	2340.4	2339.4	2336.3	2323.0	2308.7
10°	2381.3	2384.4	2387.5	2394.6	2404.9	2412.0	2417.1	2417.1	2413.0	2392.6	2374.2
12.5°	2471.3	2475.4	2478.5	2484.6	2492.8	2505.1	2516.3	2516.3	2511.2	2485.7	2458.0
15°	2576.7	2580.8	2579.8	2581.8	2597.2	2614.5	2623.8	2629.9	2631.9	2596.1	2553.2
17.5°	2697.4	2701.5	2697.4	2691.3	2693.3	2720.9	2737.3	2759.8	2773.1	2725.0	2656.5
20°	2806.9	2802.8	2802.8	2806.9	2813.0	2846.7	2871.3	2908.1	2924.5	2866.2	2759.8
22.5°	2922.4	2931.6	2927.6	2927.6	2952.1	3008.4	3038.0	3086.1	3103.5	3027.8	2884.6
25°	3071.8	3080.0	3077.9	3080.0	3108.6	3188.4	3218.1	3307.1	3324.4	3216.0	3022.7
27.5°	3235.5	3248.7	3254.9	3252.8	3298.9	3403.2	3440.0	3563.8	3595.5	3426.7	3170.0
30°	3448.2	3462.5	3467.7	3465.6	3519.8	3662.0	3703.9	3845.1	3890.1	3676.3	3357.2
32.5°	3694.7	3709.1	3724.4	3730.5	3800.1	3945.3	4005.7	4152.0	4216.4	3964.8	3583.2
35°	3939.2	3951.5	3981.1	4029.2	4124.4	4272.7	4325.9	4470.1	4532.5	4264.5	3856.4
37.5°	4209.3	4217.4	4243.0	4309.5	4446.6	4587.7	4640.9	4779.0	4786.2	4554.0	4165.3
40°	4504.9	4504.9	4499.8	4565.2	4708.4	4850.6	4896.7	4976.4	4934.5	4777.0	4466.0
42.5°	4755.5	4751.4	4755.5	4816.9	4923.2	5038.8	5078.7	5063.4	5010.2	4947.8	4738.1
45°	4981.6	4984.6	5021.4	5068.5	5123.7	5192.3	5215.8	5128.8	5080.8	5084.9	4956.0
47.5°	5135.0	5138.1	5224.0	5302.7	5336.5	5358.0	5347.8	5227.0	5202.5	5248.5	5123.7
50°	5155.4	5171.8	5320.1	5481.8	5565.6	5568.7	5540.1	5392.8	5385.6	5437.8	5213.8
52.5°	5159.5	5175.9	5361.0	5652.6	5870.5	5916.5	5883.8	5730.3	5655.6	5603.5	5324.2
55°	5144.2	5162.6	5367.2	5767.1	6184.5	6368.6	6371.7	6154.8	5916.5	5881.7	5639.3
57.5°	4541.7	4548.9	4866.0	5475.6	6172.2	6693.9	6733.8	6439.2	6167.1	6134.4	5891.9
60°	3163.8	3192.5	3537.2	4342.2	5185.1	6104.7	6233.6	6147.7	5965.6	5727.2	5055.2
62.5°	1584.5	1609.0	1954.8	2715.8	3576.1	4302.3	4440.4	4531.5	4574.4	4318.7	3442.1
65°	682.3	700.7	915.5	1418.8	2024.3	2375.2	2423.3	2532.7	2800.7	2499.0	1854.5
67.5°	456.2	468.5	577.9	865.4	1192.7	1215.2	1208.1	1231.6	1289.9	1064.8	837.8
70°	349.8	360.1	433.7	634.2	857.2	733.4	694.6	630.1	684.3	697.6	679.2
72.5°	253.7	261.9	317.1	432.7	537.0	468.5	462.4	495.1	568.7	589.2	577.9
75°	163.7	167.8	201.5	237.3	277.2	300.7	313.0	372.3	447.0	462.4	449.1
77.5°	109.5	112.5	132.0	152.4	157.5	158.6	162.6	189.2	240.4	269.0	266.0
80°	57.3	57.3	64.4	64.4	73.6	88.0	92.1	109.5	133.0	147.3	148.3
82.5°	22.5	23.5	27.6	30.7	36.8	45.0	48.1	57.3	69.6	79.8	89.0
85°	9.2	10.2	11.3	13.3	16.4	20.5	21.5	24.5	32.7	40.9	46.0
87.5°	0.0	0.0	1.0	1.0	2.0	3.1	3.1	4.1	5.1	9.2	12.3
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°	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6	2258.6
2.5°	2265.7	2252.4	2265.7	2269.8	2281.1	2285.2	2278.0	2277.0	2277.0	2266.8	2263.7
5°	2281.1	2268.8	2282.1	2288.2	2304.6	2314.8	2316.9	2325.1	2330.2	2326.1	2325.1
7.5°	2318.9	2303.6	2317.9	2327.1	2348.6	2365.0	2372.1	2390.5	2403.8	2401.8	2400.8
10°	2385.4	2365.0	2381.3	2396.7	2420.2	2439.6	2440.7	2450.9	2464.2	2460.1	2458.0
12.5°	2462.1	2442.7	2461.1	2476.5	2504.1	2512.3	2499.0	2494.9	2496.9	2491.8	2487.7
15°	2556.2	2528.6	2545.0	2562.4	2577.7	2568.5	2539.9	2528.6	2527.6	2520.4	2516.3
17.5°	2650.3	2615.6	2627.8	2637.1	2629.9	2601.2	2565.4	2546.0	2536.8	2522.5	2518.4
20°	2743.4	2699.4	2697.4	2690.2	2657.5	2605.3	2557.3	2518.4	2494.9	2475.4	2468.3
22.5°	2849.8	2788.4	2757.8	2725.0	2653.4	2568.5	2495.9	2440.7	2402.8	2378.3	2370.1
25°	2964.4	2877.4	2814.0	2748.5	2612.5	2489.8	2388.5	2312.8	2267.8	2241.2	2232.0
27.5°	3077.9	2958.2	2863.1	2751.6	2530.7	2376.2	2240.2	2137.9	2092.9	2071.4	2064.2
30°	3231.4	3065.6	2921.4	2711.7	2423.3	2218.7	2048.9	1945.6	1915.9	1900.6	1894.4
32.5°	3408.3	3201.7	2999.2	2627.8	2286.2	2034.6	1855.6	1783.9	1763.5	1733.8	1732.8
35°	3641.5	3396.0	3072.8	2504.1	2113.3	1837.1	1707.2	1656.1	1619.3	1572.2	1568.1
37.5°	3913.6	3638.5	3112.7	2346.5	1911.8	1674.5	1596.8	1539.5	1480.1	1417.7	1409.6
40°	4194.9	3921.8	3115.8	2160.4	1714.4	1567.1	1501.6	1427.0	1353.3	1283.7	1274.5
42.5°	4490.6	4185.7	3061.6	1945.6	1552.8	1474.0	1407.5	1313.4	1230.6	1183.5	1178.4
45°	4754.5	4398.5	2938.8	1719.5	1433.1	1396.3	1311.4	1210.1	1166.1	1132.4	1125.2
47.5°	4962.1	4539.7	2773.1	1517.0	1335.9	1316.5	1206.0	1153.8	1120.1	1089.4	1082.2
50°	5064.4	4571.4	2557.3	1352.3	1245.9	1222.4	1146.7	1106.8	1084.3	1059.7	1053.6
52.5°	5191.2	4607.2	2371.1	1214.2	1157.9	1126.2	1097.6	1065.9	1049.5	1034.2	1029.0
55°	5482.8	4742.2	2272.9	1103.7	1074.1	1059.7	1055.6	1029.0	1023.9	1013.7	1004.5
57.5°	5601.4	4655.2	2040.7	1013.7	1007.6	1009.6	1019.8	995.3	990.2	977.9	971.8
60°	4504.9	3518.8	1381.9	936.0	952.3	965.6	975.9	951.3	944.1	942.1	933.9
62.5°	2886.6	2164.5	964.6	863.3	887.9	904.2	910.4	886.9	881.7	898.1	899.1
65°	1502.6	1179.4	782.5	785.6	806.0	830.6	842.9	834.7	832.6	850.0	851.1
67.5°	767.2	721.1	682.3	693.5	709.9	741.6	770.2	806.0	818.3	820.4	821.4
70°	653.6	633.2	613.7	620.9	638.3	655.7	683.3	700.7	680.2	675.1	673.1
72.5°	556.5	541.1	531.9	540.1	549.3	546.2	538.0	546.2	549.3	550.3	551.3
75°	432.7	421.4	414.3	415.3	415.3	404.0	388.7	379.5	369.3	361.1	361.1
77.5°	264.9	267.0	274.1	273.1	272.1	268.0	252.7	244.5	219.9	212.8	212.8
80°	151.4	154.5	161.6	163.7	163.7	158.6	143.2	134.0	122.7	117.6	116.6
82.5°	92.1	96.2	100.2	102.3	103.3	97.2	83.9	76.7	70.6	65.5	65.5
85°	48.1	50.1	54.2	55.2	52.2	46.0	38.9	35.8	29.7	28.6	28.6
87.5°	13.3	14.3	16.4	13.3	12.3	9.2	5.1	4.1	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)