

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: P634926

Luminaire Tested: GWS-SA3C-760-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634926
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12338.8 lumens
Efficiency: N/A
Efficacy: 132.7 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

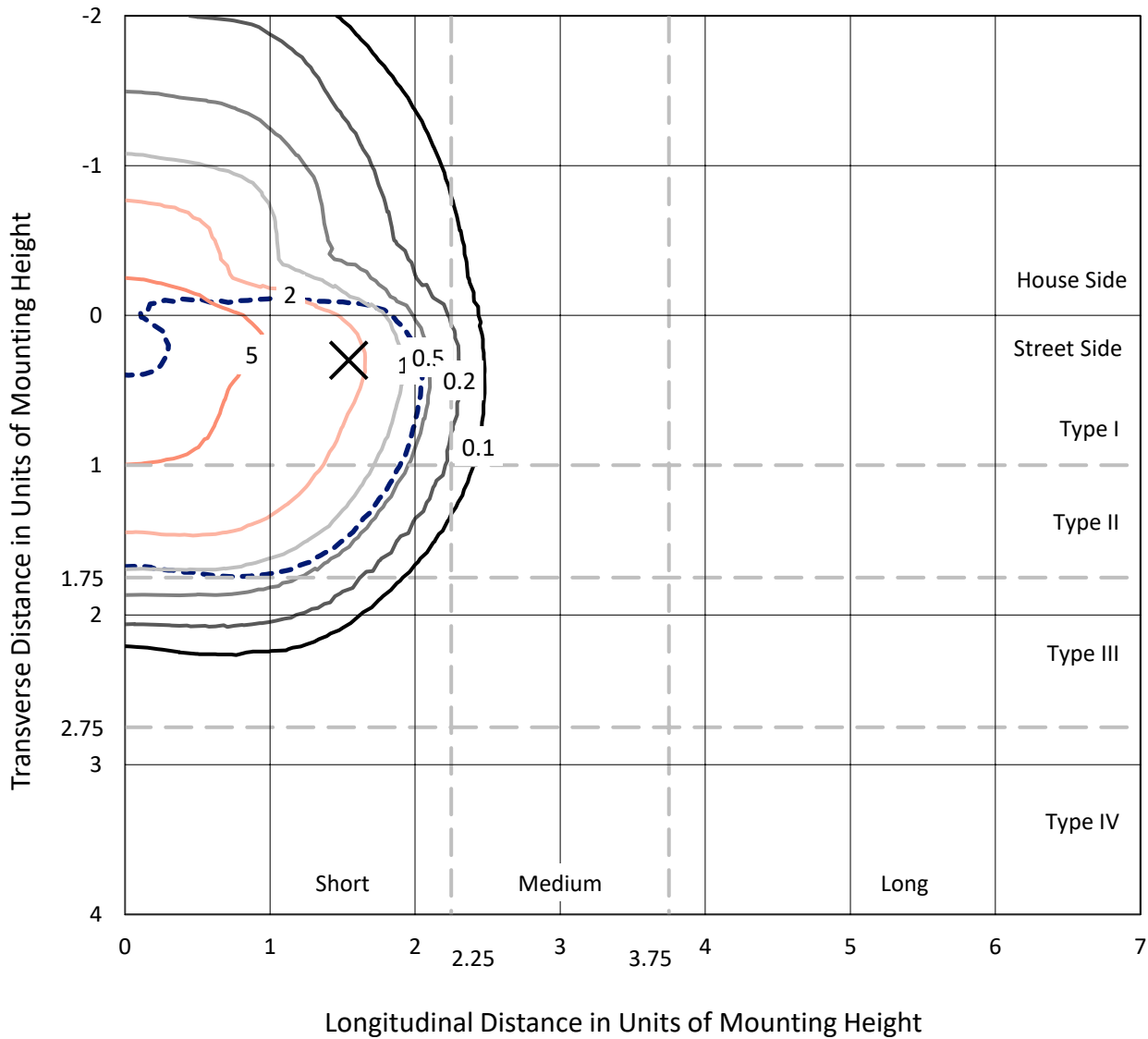


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Iso-Footcandle Lines of Horizontal Illumination

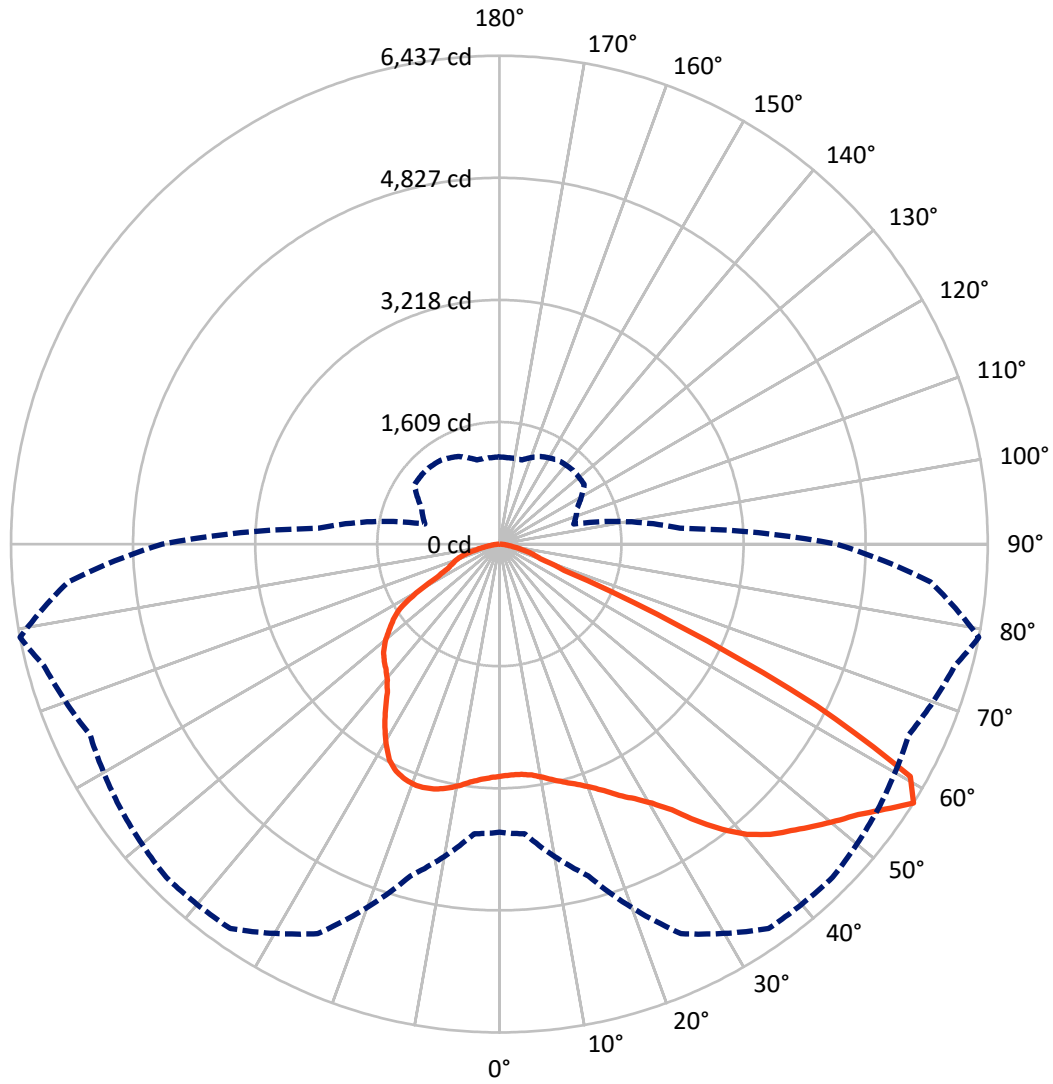
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.7 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	3667.8	0.0	3667.8
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	8671.0	0.0	8671.0
	% Fixture	70.3	0.0	70.3
Total	Lumens	12338.8	0.0	12338.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.2	2.3
10°-20°	787.0	6.4
20°-30°	1333.9	10.8
30°-40°	2041.8	16.5
40°-50°	2722.5	22.1
50°-60°	3144.3	25.5
60°-70°	1633.9	13.2
70°-80°	347.3	2.8
80°-90°	45.0	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°	12338.8	100.0
0°-180°	12338.8	100.0

Coefficient of Utilization



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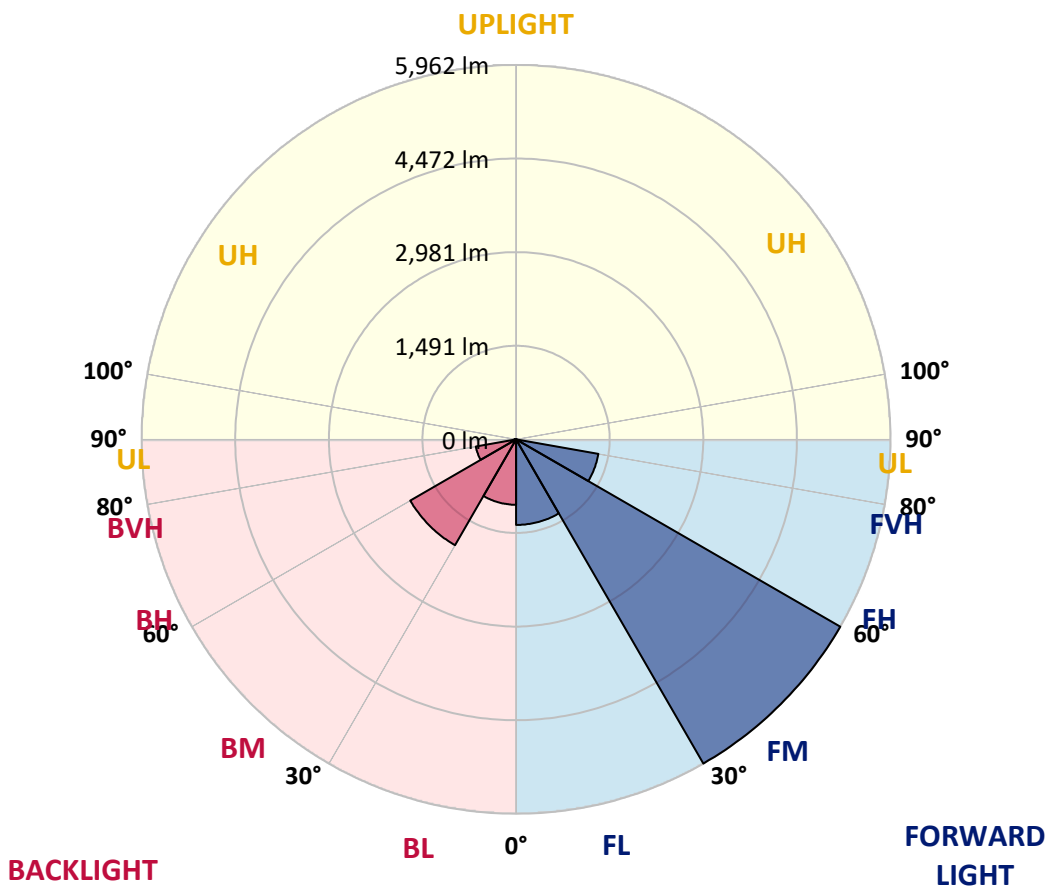
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1362.5	11.0			
FM (30°-60°)	5962.5	48.3			
FH (60°-80°)	1330.4	10.8			G1/1800
FVH (80°-90°)	15.7	0.1			G1/100
BL (0°-30°)	1041.6	8.4	B3/2500		
BM (30°-60°)	1946.1	15.8	B2/2500		
BH (60°-80°)	650.8	5.3	B2/1000		G2/1000
BVH (80°-90°)	29.3	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°	55°	65°	75°	79°	85°
0°	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8
2.5°	2918.6	2912.6	2914.6	2922.7	2952.9	2975.1	2998.3	3019.5	3039.7	3045.7	3050.8
5°	2814.7	2803.6	2806.6	2819.8	2855.1	2892.4	2933.8	2984.2	3032.6	3048.8	3069.9
7.5°	2741.1	2739.0	2744.1	2764.3	2801.6	2836.9	2890.4	2962.0	3045.7	3073.0	3110.3
10°	2643.2	2639.2	2659.3	2700.7	2762.2	2818.7	2882.3	2967.0	3084.1	3124.4	3181.9
12.5°	2565.5	2563.5	2584.7	2642.2	2720.9	2810.7	2898.4	2993.3	3135.5	3191.0	3261.6
15°	2610.9	2601.8	2602.8	2643.2	2713.8	2819.8	2938.8	3040.7	3187.0	3257.6	3348.4
17.5°	2743.1	2726.9	2714.8	2721.9	2762.2	2872.2	3000.3	3104.2	3246.5	3329.2	3440.2
20°	2925.7	2916.6	2883.3	2861.1	2870.2	2967.0	3097.2	3194.0	3324.2	3417.0	3536.0
22.5°	3170.8	3148.6	3103.2	3067.9	3040.7	3116.4	3236.4	3320.1	3432.1	3529.0	3653.1
25°	3474.5	3442.2	3370.6	3315.1	3256.6	3334.3	3441.2	3504.8	3580.4	3670.2	3788.3
27.5°	3784.2	3757.0	3677.3	3602.6	3530.0	3578.4	3705.5	3741.8	3733.8	3799.3	3900.2
30°	4114.1	4079.8	4004.1	3923.4	3829.6	3860.9	3974.9	3993.0	3907.3	3961.8	4030.4
32.5°	4462.2	4428.9	4363.3	4269.5	4163.5	4175.7	4206.9	4224.1	4142.4	4173.6	4226.1
35°	4816.3	4785.0	4718.4	4625.6	4547.9	4474.3	4395.6	4464.2	4416.8	4477.3	4473.3
37.5°	5140.1	5108.8	5067.5	4995.9	4862.7	4717.4	4535.8	4620.6	4694.2	4770.9	4757.8
40°	5359.0	5337.9	5347.9	5336.8	5165.3	4877.8	4604.4	4697.2	4898.0	5029.1	5022.1
42.5°	5547.7	5526.5	5585.0	5627.4	5425.6	5026.1	4637.7	4726.5	5028.1	5232.9	5222.8
45°	5631.4	5625.4	5722.2	5856.4	5663.7	5183.5	4723.5	4787.0	5127.0	5389.3	5351.0
47.5°	5531.6	5552.7	5743.4	5970.4	5861.4	5370.1	4899.0	4915.1	5256.1	5558.8	5450.8
50°	5332.8	5379.2	5636.5	5973.4	6005.7	5581.0	5142.1	5101.8	5429.7	5739.4	5503.3
52.5°	5043.3	5091.7	5511.4	5950.2	6088.4	5825.1	5466.0	5408.5	5648.6	5920.0	5512.4
55°	4378.4	4444.0	5224.9	5897.8	6169.1	6047.1	5831.2	5714.2	5931.1	6168.1	5602.2
57.5°	3798.3	3832.6	4526.7	5664.7	6185.3	6210.5	6091.5	5952.2	6211.5	6436.5	5703.1
60°	2787.5	2795.5	3420.0	4687.1	5689.9	6115.7	6070.3	5863.5	6078.4	6221.6	5241.0
62.5°	1574.8	1575.8	2074.2	3128.5	4250.3	4984.8	5013.0	4830.4	4649.8	4692.2	3648.0
65°	591.2	646.7	947.3	1537.5	2450.5	2942.8	3059.9	3102.2	2801.6	2615.0	1956.2
67.5°	395.5	408.6	552.9	790.9	1090.6	1259.1	1408.4	1412.4	1033.1	921.1	770.8
70°	301.6	314.8	434.8	566.0	552.9	510.5	551.8	536.7	554.9	570.0	586.1
72.5°	225.0	238.1	337.0	399.5	331.9	326.9	370.2	411.6	449.9	466.1	491.3
75°	149.3	159.4	227.0	213.9	183.6	216.9	270.4	311.7	333.9	353.1	372.3
77.5°	94.8	101.9	121.1	97.9	101.9	127.1	157.4	194.7	215.9	235.1	245.2
80°	43.4	42.4	41.4	46.4	57.5	74.7	94.8	117.0	133.2	141.2	147.3
82.5°	17.2	19.2	21.2	25.2	31.3	40.4	53.5	68.6	81.7	83.7	88.8
85°	7.1	8.1	9.1	11.1	14.1	18.2	22.2	31.3	39.3	42.4	45.4
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	3.0	5.0	9.1	10.1	11.1
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°	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8	3057.8
2.5°	3078.0	3064.9	3087.1	3102.2	3116.4	3101.2	3096.2	3083.1	3081.0	3081.0	3088.1
5°	3106.3	3097.2	3120.4	3129.5	3128.5	3095.2	3075.0	3048.8	3035.6	3035.6	3037.7
7.5°	3156.7	3151.7	3164.8	3150.7	3118.4	3050.8	2984.2	2928.7	2891.4	2872.2	2878.3
10°	3240.4	3234.4	3223.3	3170.8	3078.0	2937.8	2801.6	2700.7	2640.2	2605.9	2607.9
12.5°	3322.2	3312.1	3272.7	3156.7	2966.0	2743.1	2564.5	2451.5	2384.9	2344.6	2335.5
15°	3411.9	3385.7	3301.0	3084.1	2783.4	2505.0	2318.3	2196.3	2124.6	2100.4	2099.4
17.5°	3497.7	3451.3	3297.9	2954.9	2564.5	2255.8	2068.2	1992.5	1980.4	1991.5	1994.5
20°	3584.5	3509.8	3264.7	2776.4	2304.2	2007.6	1910.8	1942.0	1987.4	2017.7	2024.8
22.5°	3674.3	3558.2	3189.0	2546.4	2029.8	1840.2	1880.5	1949.1	2005.6	2046.0	2050.0
25°	3775.1	3603.6	3076.0	2264.9	1809.9	1793.7	1873.4	1946.1	2006.6	2053.0	2061.1
27.5°	3832.6	3604.6	2917.6	1975.3	1709.0	1775.6	1856.3	1924.9	1985.4	2035.9	2044.9
30°	3889.1	3577.4	2666.4	1740.3	1679.7	1754.4	1827.0	1890.6	1948.1	1997.5	2008.6
32.5°	3968.8	3552.2	2376.9	1605.1	1662.6	1734.2	1793.7	1850.2	1894.6	1916.8	1922.9
35°	4067.7	3519.9	2069.2	1546.6	1651.5	1718.1	1770.5	1800.8	1743.3	1731.2	1744.3
37.5°	4205.9	3489.6	1762.5	1521.4	1644.4	1712.0	1758.4	1680.8	1610.1	1581.9	1592.0
40°	4355.2	3472.5	1554.6	1501.2	1647.5	1718.1	1708.0	1593.0	1491.1	1431.6	1429.5
42.5°	4482.3	3446.2	1421.5	1488.1	1655.5	1741.3	1639.4	1515.3	1364.0	1328.7	1329.7
45°	4568.1	3379.7	1350.9	1473.9	1662.6	1746.3	1607.1	1408.4	1300.4	1278.2	1277.2
47.5°	4603.4	3258.6	1305.5	1451.7	1661.6	1705.0	1541.5	1364.0	1256.0	1250.0	1254.0
50°	4580.2	3059.9	1259.1	1408.4	1637.4	1661.6	1465.9	1324.6	1225.8	1259.1	1283.3
52.5°	4494.4	2802.6	1203.6	1348.8	1594.0	1612.2	1427.5	1300.4	1203.6	1248.0	1267.1
55°	4472.3	2593.8	1132.9	1271.2	1529.4	1524.4	1387.2	1288.3	1188.4	1171.3	1174.3
57.5°	4443.0	2390.0	1015.9	1131.9	1366.0	1374.1	1348.8	1274.2	1149.1	1144.0	1149.1
60°	3859.9	1832.1	906.0	976.6	1121.8	1165.2	1305.5	1248.0	1085.5	1064.3	1063.3
62.5°	2521.1	1109.7	806.1	851.5	914.0	964.5	1190.4	1172.3	1015.9	1002.8	1011.9
65°	1355.9	790.9	733.4	760.7	795.0	833.3	986.7	1044.2	918.1	871.7	872.7
67.5°	693.1	672.9	679.0	698.1	724.4	743.5	796.0	846.4	782.9	743.5	742.5
70°	593.2	609.3	618.4	629.5	646.7	643.6	648.7	657.8	652.7	633.6	632.6
72.5°	505.4	530.7	532.7	534.7	540.7	526.6	517.5	502.4	503.4	506.4	507.5
75°	384.4	408.6	414.6	411.6	417.7	399.5	387.4	372.3	354.1	351.1	353.1
77.5°	250.2	269.4	278.4	276.4	279.5	265.3	259.3	243.1	221.9	213.9	213.9
80°	151.3	162.4	169.5	171.5	174.5	164.4	154.4	140.2	131.2	122.1	122.1
82.5°	91.8	98.9	103.9	103.9	106.9	95.8	87.8	77.7	73.6	65.6	65.6
85°	46.4	51.5	53.5	52.5	50.4	41.4	38.3	33.3	31.3	27.2	27.2
87.5°	11.1	14.1	14.1	10.1	10.1	5.0	3.0	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)