

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: P642017

Luminaire Tested: GWS-SA6C-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642017
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-SA6C-722-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17851.5 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

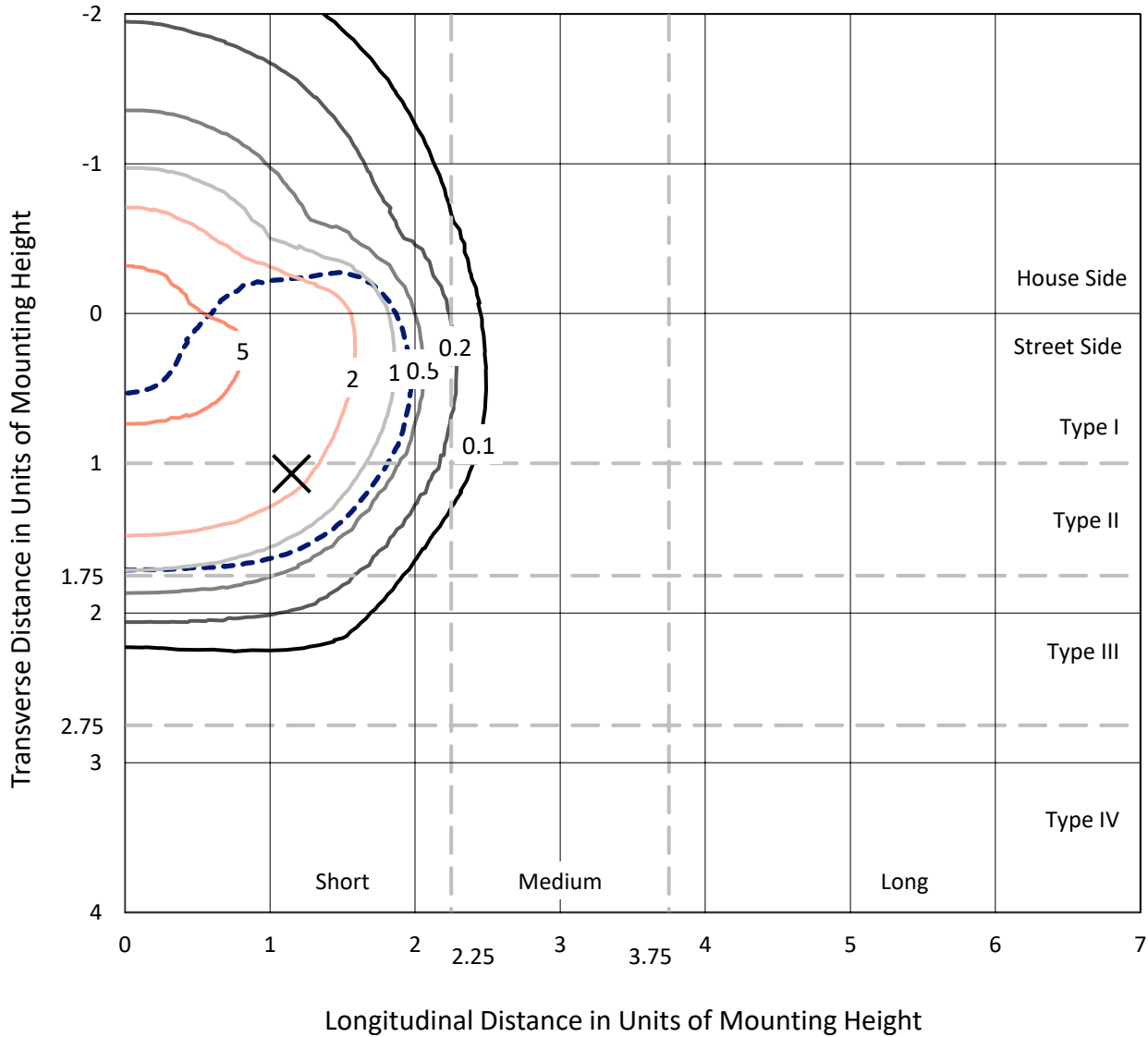
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

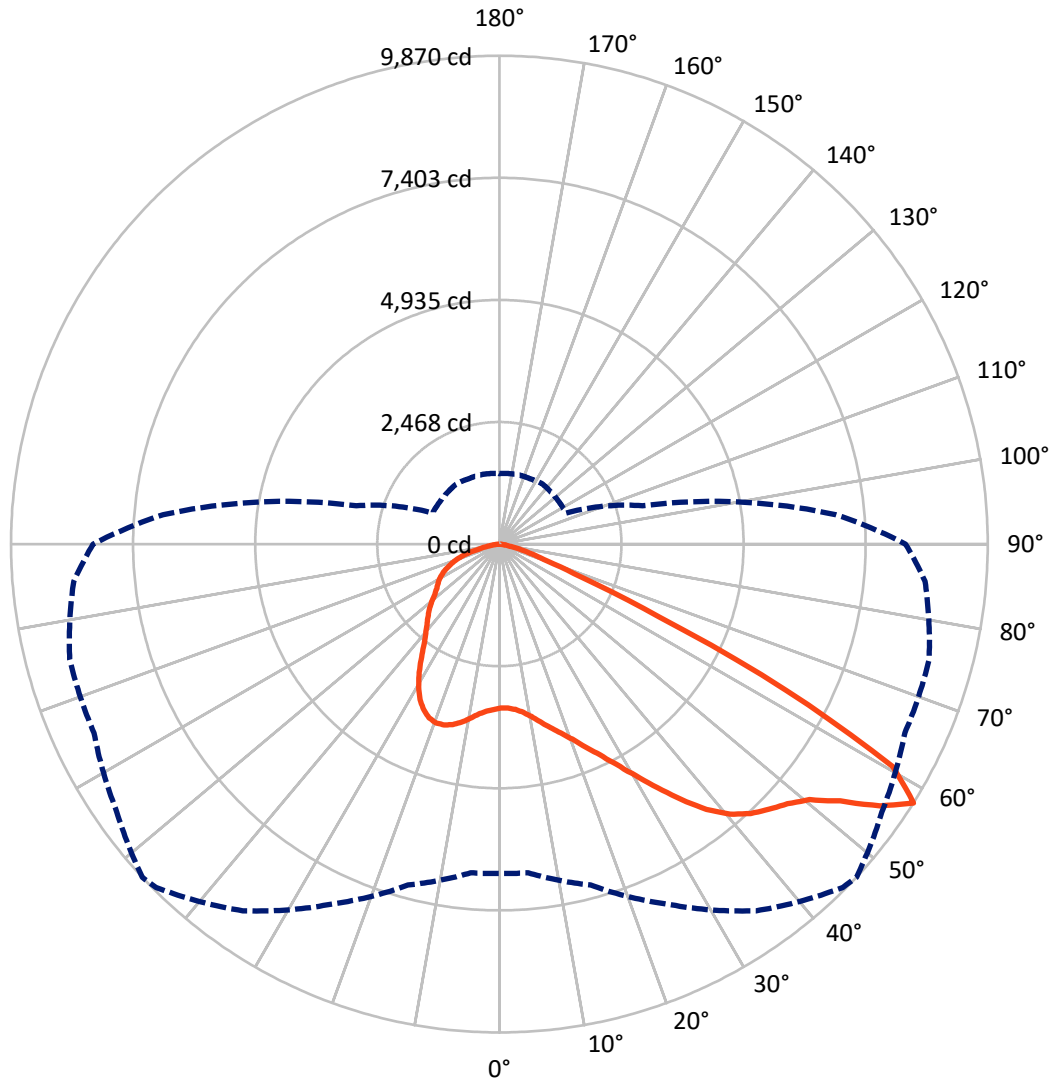
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	5650.0	0.0	5650.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	12201.5	0.0	12201.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	17851.5	0.0	17851.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.5	1.8
10°-20°	1074.0	6.0
20°-30°	1933.8	10.8
30°-40°	2920.8	16.4
40°-50°	3933.2	22.0
50°-60°	4726.3	26.5
60°-70°	2301.8	12.9
70°-80°	567.1	3.2
80°-90°	68.2	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°	17851.5	100.0
0°-180°	17851.5	100.0

Coefficient of Utilization

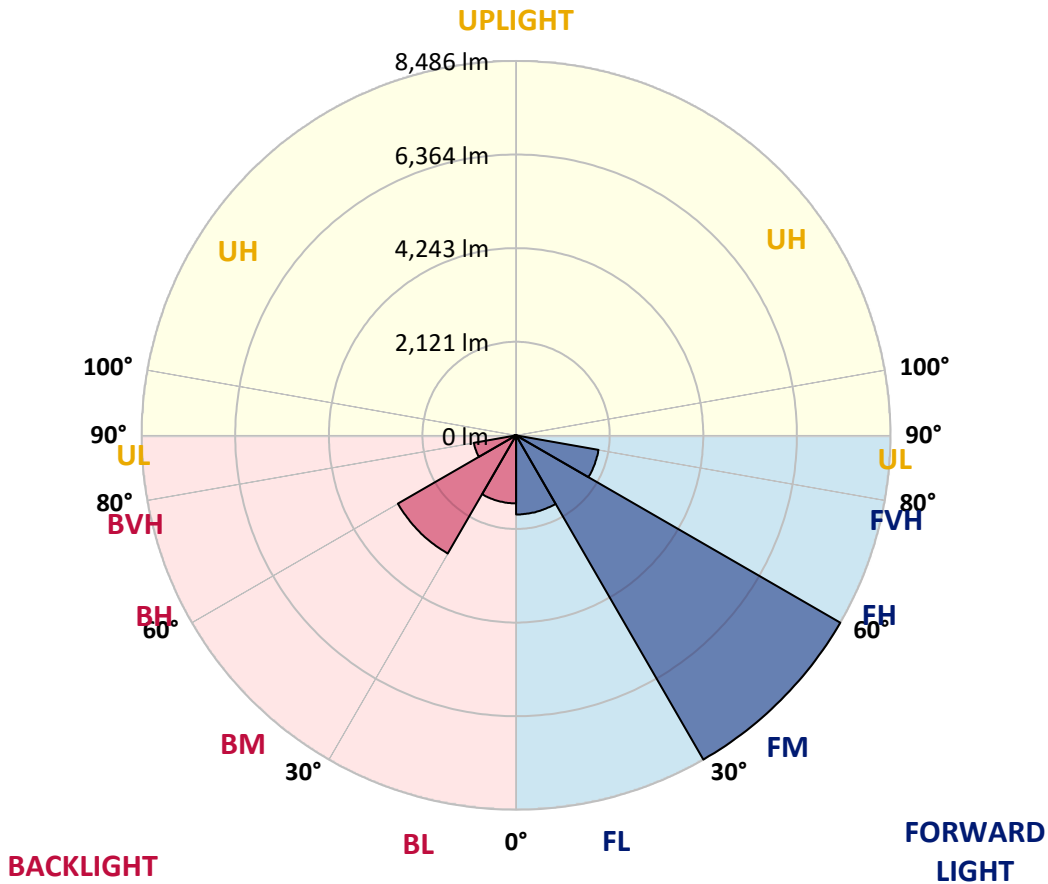


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1793.1	10.0			
FM (30°-60°)	8485.8	47.5			
FH (60°-80°)	1897.1	10.6			G2/5000
FVH (80°-90°)	25.6	0.1			G1/100
BL (0°-30°)	1541.2	8.6	B3/2500		
BM (30°-60°)	3094.5	17.3	B3/5000		
BH (60°-80°)	971.8	5.4	B2/1000		G2/1000
BVH (80°-90°)	42.5	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°	3310.6	3310.6	3310.6	3310.6	3310.6	3310.6	3310.6	3310.6	3310.6	3310.6	3310.6
2.5°	3304.6	3303.1	3303.1	3312.1	3312.1	3315.1	3319.6	3324.1	3325.6	3318.1	3301.6
5°	3340.6	3340.6	3340.6	3348.1	3348.1	3351.1	3357.1	3358.6	3357.1	3345.1	3328.6
7.5°	3397.5	3397.5	3399.0	3408.0	3415.5	3420.0	3430.5	3429.0	3424.5	3405.0	3384.1
10°	3490.5	3495.0	3499.5	3510.0	3525.0	3535.5	3543.0	3543.0	3537.0	3507.0	3480.0
12.5°	3622.5	3628.5	3632.9	3641.9	3653.9	3671.9	3688.4	3688.4	3680.9	3643.4	3603.0
15°	3776.9	3782.9	3781.4	3784.4	3806.9	3832.4	3845.9	3854.9	3857.9	3805.4	3742.4
17.5°	3953.8	3959.8	3953.8	3944.8	3947.8	3988.3	4012.3	4045.3	4064.8	3994.3	3893.8
20°	4114.2	4108.2	4108.2	4114.2	4123.2	4172.7	4208.7	4262.7	4286.7	4201.2	4045.3
22.5°	4283.7	4297.2	4291.2	4291.2	4327.2	4409.6	4453.1	4523.6	4549.1	4438.1	4228.2
25°	4502.6	4514.6	4511.6	4514.6	4556.6	4673.5	4717.0	4847.4	4872.9	4714.0	4430.6
27.5°	4742.5	4762.0	4771.0	4768.0	4835.4	4988.4	5042.3	5223.8	5270.2	5022.9	4646.5
30°	5054.3	5075.3	5082.8	5079.8	5159.3	5367.7	5429.2	5636.1	5702.1	5388.7	4920.9
32.5°	5415.7	5436.7	5459.2	5468.2	5570.1	5783.0	5871.5	6085.9	6180.4	5811.5	5252.3
35°	5774.0	5792.0	5835.5	5906.0	6045.4	6262.8	6340.8	6552.2	6643.7	6250.8	5652.6
37.5°	6169.9	6181.9	6219.3	6316.8	6517.7	6724.6	6802.6	7005.0	7015.5	6675.1	6105.4
40°	6603.2	6603.2	6595.7	6691.6	6901.6	7110.0	7177.4	7294.4	7232.9	7002.0	6546.2
42.5°	6970.5	6964.5	6970.5	7060.5	7216.4	7385.8	7444.3	7421.8	7343.9	7252.4	6945.0
45°	7301.9	7306.4	7360.4	7429.3	7510.3	7610.8	7645.2	7517.8	7447.3	7453.3	7264.4
47.5°	7526.8	7531.3	7657.2	7772.7	7822.2	7853.6	7838.7	7661.7	7625.7	7693.2	7510.3
50°	7556.8	7580.8	7798.2	8035.1	8158.0	8162.5	8120.5	7904.6	7894.1	7970.6	7642.2
52.5°	7562.8	7586.8	7858.1	8285.5	8604.8	8672.3	8624.3	8399.4	8290.0	8213.5	7804.2
55°	7540.3	7567.3	7867.1	8453.4	9065.1	9335.0	9339.5	9021.6	8672.3	8621.3	8266.0
57.5°	6657.2	6667.7	7132.5	8026.1	9047.1	9811.8	9870.3	9438.5	9039.6	8991.7	8636.3
60°	4637.5	4679.5	5184.8	6364.8	7600.3	8948.2	9137.1	9011.2	8744.3	8394.9	7409.8
62.5°	2322.5	2358.5	2865.3	3980.8	5241.8	6306.3	6508.7	6642.2	6705.1	6330.3	5045.3
65°	1000.1	1027.1	1341.9	2079.6	2967.2	3481.5	3552.0	3712.4	4105.2	3662.9	2718.3
67.5°	668.7	686.7	847.1	1268.5	1748.3	1781.2	1770.7	1805.2	1890.7	1560.8	1228.0
70°	512.8	527.8	635.7	929.6	1256.5	1075.0	1018.1	923.6	1003.1	1022.6	995.6
72.5°	371.8	383.8	464.8	634.2	787.2	686.7	677.7	725.7	833.6	863.6	847.1
75°	239.9	245.9	295.4	347.9	406.3	440.8	458.8	545.8	655.2	677.7	658.2
77.5°	160.4	164.9	193.4	223.4	230.9	232.4	238.4	277.4	352.3	394.3	389.8
80°	84.0	84.0	94.5	94.5	108.0	128.9	134.9	160.4	194.9	215.9	217.4
82.5°	33.0	34.5	40.5	45.0	54.0	66.0	70.5	84.0	102.0	117.0	130.4
85°	13.5	15.0	16.5	19.5	24.0	30.0	31.5	36.0	48.0	60.0	67.5
87.5°	0.0	0.0	1.5	1.5	3.0	4.5	4.5	6.0	7.5	13.5	18.0
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°	3310.6	3310.6	3310.6	3310.6	3310.6	3310.6	3310.6	3310.6	3310.6	3310.6	3310.6
2.5°	3321.1	3301.6	3321.1	3327.1	3343.6	3349.6	3339.1	3337.6	3337.6	3322.6	3318.1
5°	3343.6	3325.6	3345.1	3354.1	3378.1	3393.1	3396.0	3408.0	3415.5	3409.5	3408.0
7.5°	3399.0	3376.6	3397.5	3411.0	3442.5	3466.5	3477.0	3504.0	3523.5	3520.5	3519.0
10°	3496.5	3466.5	3490.5	3513.0	3547.5	3576.0	3577.5	3592.5	3612.0	3606.0	3603.0
12.5°	3609.0	3580.5	3607.5	3630.0	3670.4	3682.4	3662.9	3656.9	3659.9	3652.4	3646.4
15°	3746.9	3706.4	3730.4	3755.9	3778.4	3764.9	3722.9	3706.4	3704.9	3694.4	3688.4
17.5°	3884.8	3833.9	3851.9	3865.3	3854.9	3812.9	3760.4	3731.9	3718.4	3697.4	3691.4
20°	4021.3	3956.8	3953.8	3943.3	3895.3	3818.9	3748.4	3691.4	3656.9	3628.5	3618.0
22.5°	4177.2	4087.3	4042.3	3994.3	3889.3	3764.9	3658.4	3577.5	3522.0	3486.0	3474.0
25°	4345.1	4217.7	4124.7	4028.8	3829.4	3649.4	3501.0	3390.1	3324.1	3285.1	3271.6
27.5°	4511.6	4336.1	4196.7	4033.3	3709.4	3483.0	3283.6	3133.7	3067.7	3036.2	3025.7
30°	4736.5	4493.6	4282.2	3974.8	3552.0	3252.1	3003.2	2851.8	2808.3	2785.8	2776.8
32.5°	4995.9	4693.0	4396.1	3851.9	3351.1	2982.2	2719.8	2614.9	2584.9	2541.4	2539.9
35°	5337.7	4977.9	4504.1	3670.4	3097.7	2692.9	2502.4	2427.5	2373.5	2304.5	2298.5
37.5°	5736.6	5333.2	4562.6	3439.5	2802.3	2454.5	2340.5	2256.5	2169.6	2078.1	2066.1
40°	6148.9	5748.5	4567.0	3166.6	2512.9	2297.0	2201.1	2091.6	1983.7	1881.7	1868.2
42.5°	6582.2	6135.4	4487.6	2851.8	2276.0	2160.6	2063.1	1925.2	1803.7	1734.8	1727.3
45°	6969.0	6447.2	4307.7	2520.4	2100.6	2046.6	1922.2	1773.7	1709.3	1659.8	1649.3
47.5°	7273.4	6654.2	4064.8	2223.6	1958.2	1929.7	1767.7	1691.3	1641.8	1596.8	1586.3
50°	7423.3	6700.6	3748.4	1982.2	1826.2	1791.7	1680.8	1622.3	1589.3	1553.3	1544.3
52.5°	7609.3	6753.1	3475.5	1779.7	1697.3	1650.8	1608.8	1562.3	1538.3	1515.9	1508.4
55°	8036.6	6951.0	3331.6	1617.8	1574.3	1553.3	1547.3	1508.4	1500.9	1485.9	1472.4
57.5°	8210.5	6823.6	2991.2	1485.9	1476.9	1479.9	1494.9	1458.9	1451.4	1433.4	1424.4
60°	6603.2	5157.8	2025.6	1371.9	1395.9	1415.4	1430.4	1394.4	1383.9	1380.9	1368.9
62.5°	4231.2	3172.6	1413.9	1265.5	1301.4	1325.4	1334.4	1299.9	1292.4	1316.4	1317.9
65°	2202.6	1728.8	1147.0	1151.5	1181.5	1217.5	1235.5	1223.5	1220.5	1246.0	1247.5
67.5°	1124.5	1057.0	1000.1	1016.6	1040.6	1087.0	1129.0	1181.5	1199.5	1202.5	1204.0
70°	958.1	928.1	899.6	910.1	935.6	961.1	1001.6	1027.1	997.1	989.6	986.6
72.5°	815.7	793.2	779.7	791.7	805.2	800.7	788.7	800.7	805.2	806.7	808.2
75°	634.2	617.7	607.2	608.7	608.7	592.2	569.8	556.3	541.3	529.3	529.3
77.5°	388.3	391.3	401.8	400.3	398.8	392.8	370.3	358.3	322.4	311.9	311.9
80°	221.9	226.4	236.9	239.9	239.9	232.4	209.9	196.4	179.9	172.4	170.9
82.5°	134.9	140.9	146.9	149.9	151.4	142.4	122.9	112.5	103.5	96.0	96.0
85°	70.5	73.5	79.5	81.0	76.5	67.5	57.0	52.5	43.5	42.0	42.0
87.5°	19.5	21.0	24.0	19.5	18.0	13.5	7.5	6.0	3.0	1.5	1.5
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)