

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: P641797

Luminaire Tested: GWS-SA6B-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641797
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-SA6B-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18485 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

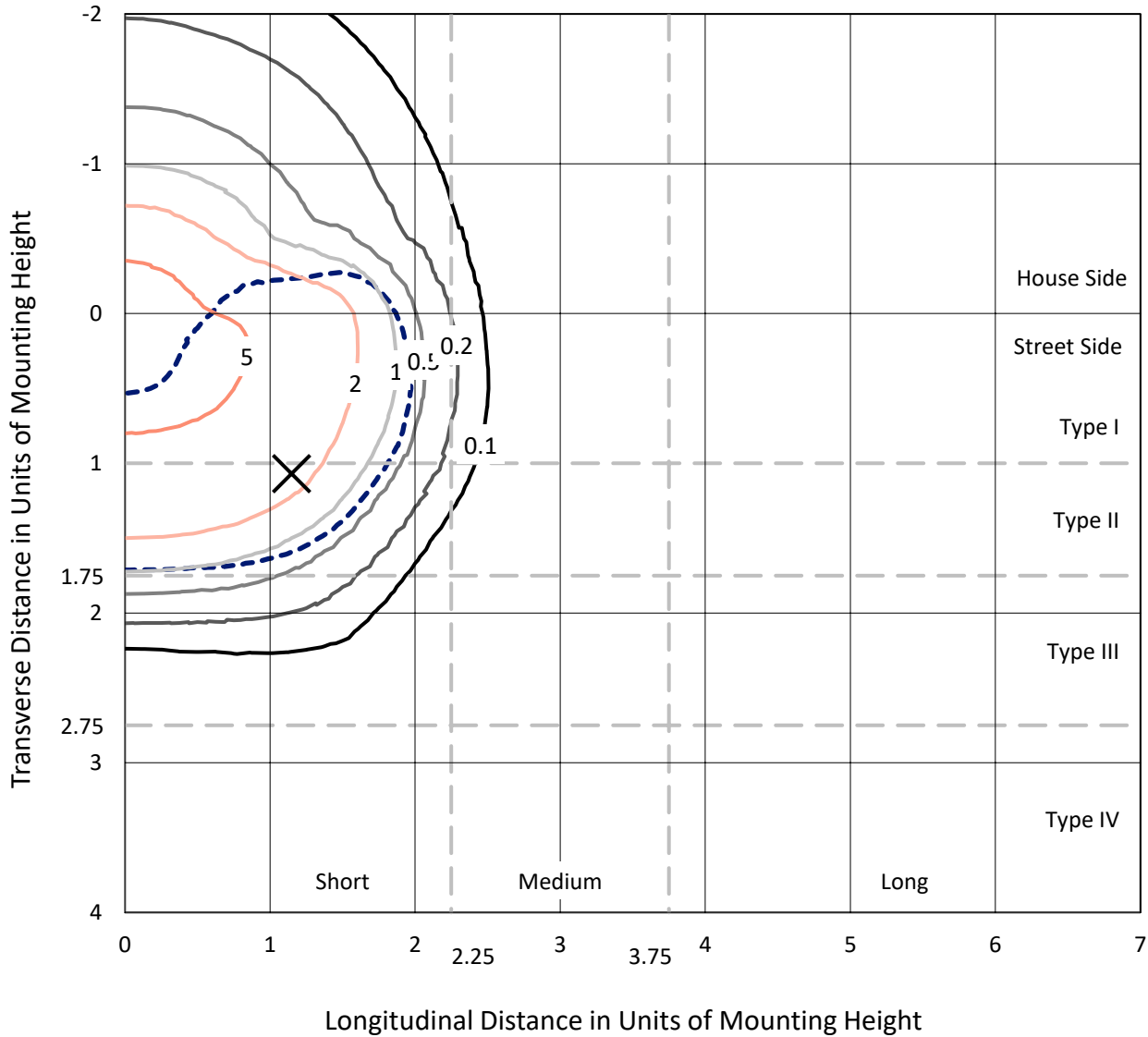
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

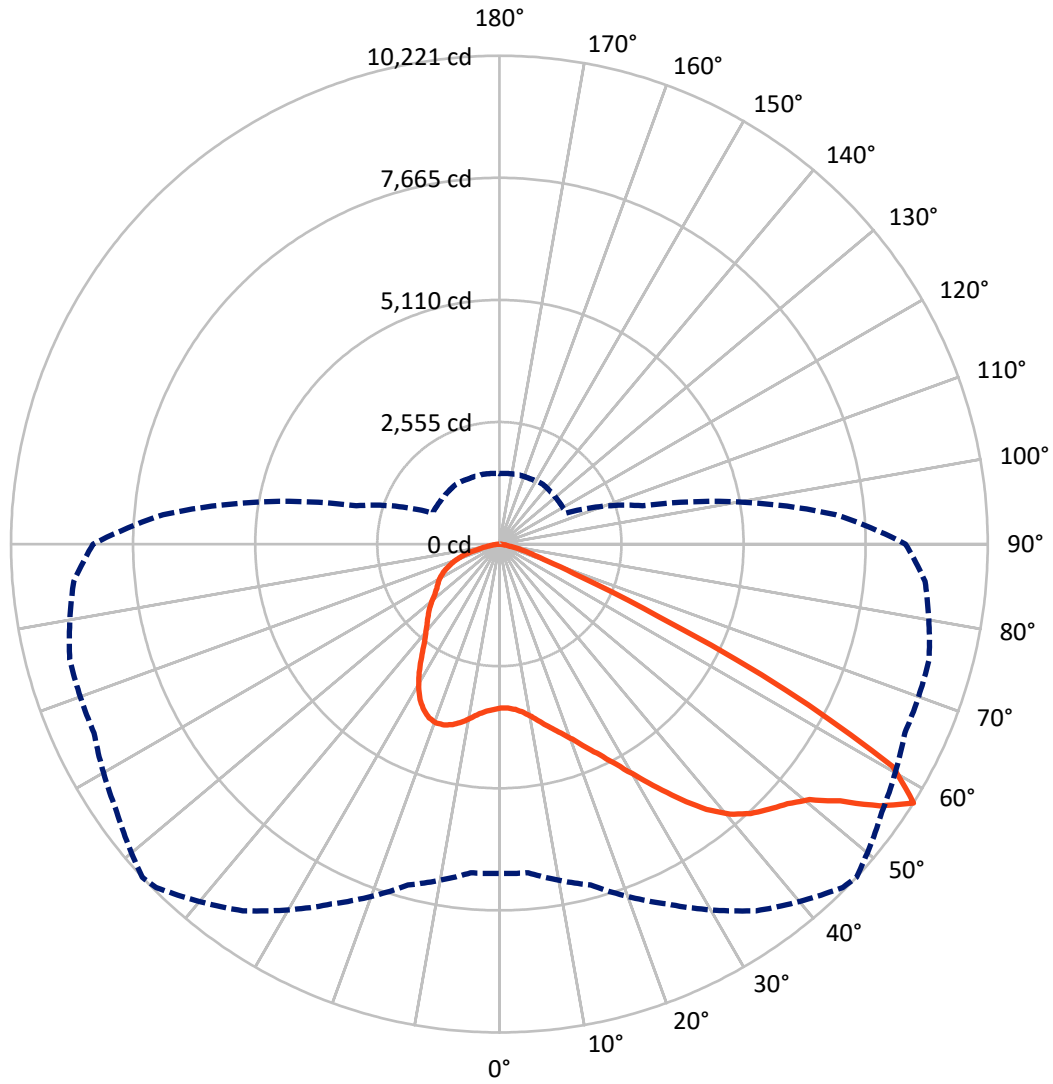
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	5850.5	0.0	5850.5
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	12634.6	0.0	12634.6
	% Fixture	68.4	0.0	68.4
Total	Lumens	18485.0	0.0	18485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.1	1.8
10°-20°	1112.1	6.0
20°-30°	2002.4	10.8
30°-40°	3024.4	16.4
40°-50°	4072.8	22.0
50°-60°	4894.0	26.5
60°-70°	2383.5	12.9
70°-80°	587.2	3.2
80°-90°	70.6	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°	18485.0	100.0
0°-180°	18485.0	100.0

Coefficient of Utilization



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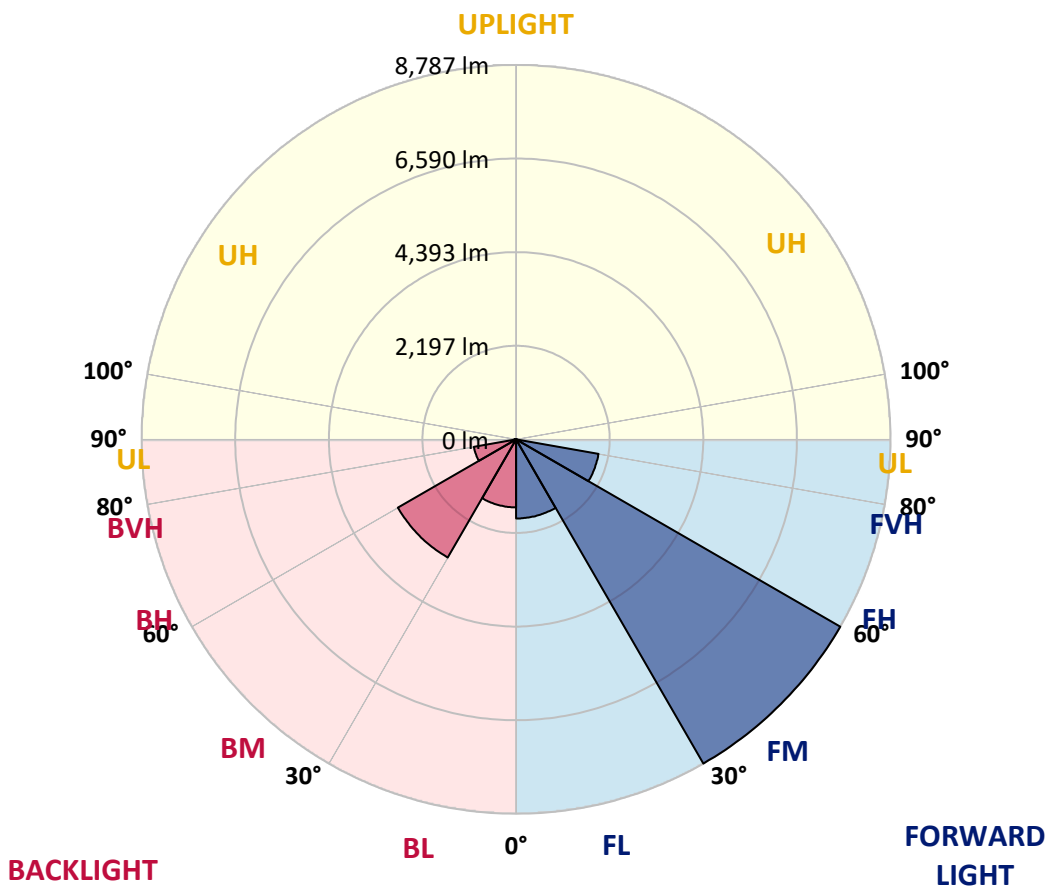
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1856.7	10.0			
FM (30°-60°)	8786.9	47.5			
FH (60°-80°)	1964.4	10.6			G2/5000
FVH (80°-90°)	26.5	0.1			G1/100
BL (0°-30°)	1595.9	8.6	B3/2500		
BM (30°-60°)	3204.3	17.3	B3/5000		
BH (60°-80°)	1006.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	44.0	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3428.1	3428.1	3428.1	3428.1	3428.1	3428.1	3428.1	3428.1	3428.1	3428.1	3428.1
2.5°	3421.9	3420.3	3420.3	3429.6	3429.6	3432.7	3437.4	3442.0	3443.6	3435.8	3418.8
5°	3459.1	3459.1	3459.1	3466.9	3466.9	3470.0	3476.2	3477.8	3476.2	3463.8	3446.7
7.5°	3518.1	3518.1	3519.7	3529.0	3536.7	3541.4	3552.3	3550.7	3546.1	3525.9	3504.1
10°	3614.4	3619.0	3623.7	3634.6	3650.1	3661.0	3668.7	3668.7	3662.5	3631.5	3603.5
12.5°	3751.0	3757.2	3761.9	3771.2	3783.6	3802.2	3819.3	3819.3	3811.6	3772.7	3730.8
15°	3910.9	3917.1	3915.6	3918.7	3942.0	3968.4	3982.3	3991.7	3994.8	3940.4	3875.2
17.5°	4094.1	4100.3	4094.1	4084.8	4087.9	4129.8	4154.7	4188.8	4209.0	4136.0	4032.0
20°	4260.2	4254.0	4254.0	4260.2	4269.6	4320.8	4358.1	4414.0	4438.8	4350.3	4188.8
22.5°	4435.7	4449.7	4443.4	4443.4	4480.7	4566.1	4611.1	4684.1	4710.5	4595.6	4378.2
25°	4662.4	4674.8	4671.7	4674.8	4718.3	4839.4	4884.4	5019.5	5045.8	4881.3	4587.8
27.5°	4910.8	4931.0	4940.3	4937.2	5007.0	5165.4	5221.3	5409.1	5457.3	5201.1	4811.4
30°	5233.7	5255.4	5263.2	5260.1	5342.4	5558.2	5621.8	5836.1	5904.4	5579.9	5095.5
32.5°	5607.9	5629.6	5652.9	5662.2	5767.8	5988.3	6079.9	6301.9	6399.7	6017.8	5438.6
35°	5978.9	5997.6	6042.6	6115.6	6260.0	6485.1	6565.8	6784.7	6879.4	6472.7	5853.2
37.5°	6388.8	6401.2	6440.1	6541.0	6749.0	6963.3	7044.0	7253.6	7264.5	6912.0	6322.1
40°	6837.5	6837.5	6829.7	6929.1	7146.5	7362.3	7432.1	7553.2	7489.6	7250.5	6778.5
42.5°	7217.9	7211.7	7217.9	7311.0	7472.5	7647.9	7708.5	7685.2	7604.5	7509.8	7191.5
45°	7561.0	7565.7	7621.6	7693.0	7776.8	7880.8	7916.5	7784.6	7711.6	7717.8	7522.2
47.5°	7793.9	7798.5	7929.0	8048.5	8099.7	8132.4	8116.8	7933.6	7896.4	7966.2	7776.8
50°	7824.9	7849.8	8074.9	8320.2	8447.5	8452.2	8408.7	8185.1	8174.3	8253.5	7913.4
52.5°	7831.2	7856.0	8137.0	8579.5	8910.2	8980.1	8930.4	8697.5	8584.1	8505.0	8081.1
55°	7807.9	7835.8	8146.3	8753.4	9386.8	9666.3	9670.9	9341.8	8980.1	8927.3	8559.3
57.5°	6893.4	6904.3	7385.6	8310.9	9368.2	10160.0	10220.6	9773.4	9360.4	9310.7	8942.8
60°	4802.1	4845.6	5368.8	6590.7	7870.0	9265.7	9461.3	9330.9	9054.6	8692.8	7672.8
62.5°	2404.9	2442.2	2967.0	4122.1	5427.8	6530.1	6739.7	6877.9	6943.1	6554.9	5224.4
65°	1035.6	1063.5	1389.5	2153.4	3072.5	3605.1	3678.0	3844.2	4250.9	3792.9	2814.8
67.5°	692.4	711.1	877.2	1313.5	1810.3	1844.5	1833.6	1869.3	1957.8	1616.2	1271.6
70°	531.0	546.5	658.3	962.6	1301.1	1113.2	1054.2	956.4	1038.7	1058.9	1030.9
72.5°	385.0	397.5	481.3	656.7	815.1	711.1	701.8	751.4	863.2	894.3	877.2
75°	248.4	254.6	305.9	360.2	420.7	456.5	475.1	565.1	678.5	701.8	681.6
77.5°	166.1	170.8	200.3	231.3	239.1	240.6	246.9	287.2	364.9	408.3	403.7
80°	86.9	86.9	97.8	97.8	111.8	133.5	139.7	166.1	201.8	223.6	225.1
82.5°	34.2	35.7	41.9	46.6	55.9	68.3	73.0	86.9	105.6	121.1	135.1
85°	14.0	15.5	17.1	20.2	24.8	31.1	32.6	37.3	49.7	62.1	69.9
87.5°	0.0	0.0	1.6	1.6	3.1	4.7	4.7	6.2	7.8	14.0	18.6
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°	3428.1	3428.1	3428.1	3428.1	3428.1	3428.1	3428.1	3428.1	3428.1	3428.1	3428.1
2.5°	3438.9	3418.8	3438.9	3445.1	3462.2	3468.4	3457.6	3456.0	3456.0	3440.5	3435.8
5°	3462.2	3443.6	3463.8	3473.1	3497.9	3513.5	3516.6	3529.0	3536.7	3530.5	3529.0
7.5°	3519.7	3496.4	3518.1	3532.1	3564.7	3589.5	3600.4	3628.4	3648.5	3645.4	3643.9
10°	3620.6	3589.5	3614.4	3637.7	3673.4	3702.9	3704.4	3720.0	3740.1	3733.9	3730.8
12.5°	3737.0	3707.5	3735.5	3758.8	3800.7	3813.1	3792.9	3786.7	3789.8	3782.1	3775.8
15°	3879.9	3837.9	3862.8	3889.2	3912.5	3898.5	3855.0	3837.9	3836.4	3825.5	3819.3
17.5°	4022.7	3969.9	3988.5	4002.5	3991.7	3948.2	3893.8	3864.3	3850.4	3828.6	3822.4
20°	4164.0	4097.2	4094.1	4083.3	4033.6	3954.4	3881.4	3822.4	3786.7	3757.2	3746.3
22.5°	4325.5	4232.3	4185.7	4136.0	4027.4	3898.5	3788.3	3704.4	3647.0	3609.7	3597.3
25°	4499.3	4367.4	4271.1	4171.7	3965.3	3779.0	3625.2	3510.4	3442.0	3401.7	3387.7
27.5°	4671.7	4490.0	4345.6	4176.4	3841.1	3606.6	3400.1	3244.9	3176.6	3144.0	3133.1
30°	4904.6	4653.0	4434.1	4115.9	3678.0	3367.5	3109.8	2953.0	2908.0	2884.7	2875.4
32.5°	5173.2	4859.5	4552.1	3988.5	3470.0	3088.1	2816.4	2707.7	2676.6	2631.6	2630.1
35°	5527.1	5154.5	4663.9	3800.7	3207.6	2788.4	2591.2	2513.6	2457.7	2386.3	2380.1
37.5°	5940.1	5522.5	4724.5	3561.6	2901.7	2541.6	2423.6	2336.6	2246.6	2151.9	2139.4
40°	6367.1	5952.5	4729.1	3279.0	2602.1	2378.5	2279.2	2165.8	2054.0	1948.5	1934.5
42.5°	6815.8	6353.1	4646.8	2953.0	2356.8	2237.3	2136.3	1993.5	1867.7	1796.3	1788.6
45°	7216.3	6676.0	4460.5	2609.9	2175.1	2119.3	1990.4	1836.7	1769.9	1718.7	1707.8
47.5°	7531.5	6890.3	4209.0	2302.5	2027.7	1998.2	1830.5	1751.3	1700.1	1653.5	1642.6
50°	7686.8	6938.4	3881.4	2052.5	1891.0	1855.3	1740.4	1679.9	1645.7	1608.5	1599.1
52.5°	7879.3	6992.8	3598.9	1842.9	1757.5	1709.4	1665.9	1617.8	1592.9	1569.6	1561.9
55°	8321.8	7197.7	3449.8	1675.2	1630.2	1608.5	1602.3	1561.9	1554.1	1538.6	1524.6
57.5°	8501.9	7065.7	3097.4	1538.6	1529.3	1532.4	1547.9	1510.6	1502.9	1484.3	1474.9
60°	6837.5	5340.8	2097.5	1420.6	1445.4	1465.6	1481.1	1443.9	1433.0	1429.9	1417.5
62.5°	4381.3	3285.2	1464.1	1310.4	1347.6	1372.5	1381.8	1346.1	1338.3	1363.2	1364.7
65°	2280.7	1790.1	1187.7	1192.4	1223.4	1260.7	1279.3	1266.9	1263.8	1290.2	1291.7
67.5°	1164.4	1094.6	1035.6	1052.6	1077.5	1125.6	1169.1	1223.4	1242.1	1245.2	1246.7
70°	992.1	961.0	931.5	942.4	968.8	995.2	1037.1	1063.5	1032.5	1024.7	1021.6
72.5°	844.6	821.3	807.3	819.8	833.7	829.1	816.7	829.1	833.7	835.3	836.8
75°	656.7	639.7	628.8	630.3	630.3	613.3	590.0	576.0	560.5	548.1	548.1
77.5°	402.1	405.2	416.1	414.5	413.0	406.8	383.5	371.1	333.8	322.9	322.9
80°	229.8	234.4	245.3	248.4	248.4	240.6	217.4	203.4	186.3	178.5	177.0
82.5°	139.7	145.9	152.2	155.3	156.8	147.5	127.3	116.4	107.1	99.4	99.4
85°	73.0	76.1	82.3	83.8	79.2	69.9	59.0	54.3	45.0	43.5	43.5
87.5°	20.2	21.7	24.8	20.2	18.6	14.0	7.8	6.2	3.1	1.6	1.6
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)