

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: P641852

Luminaire Tested: GWS-SA6B-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641852  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

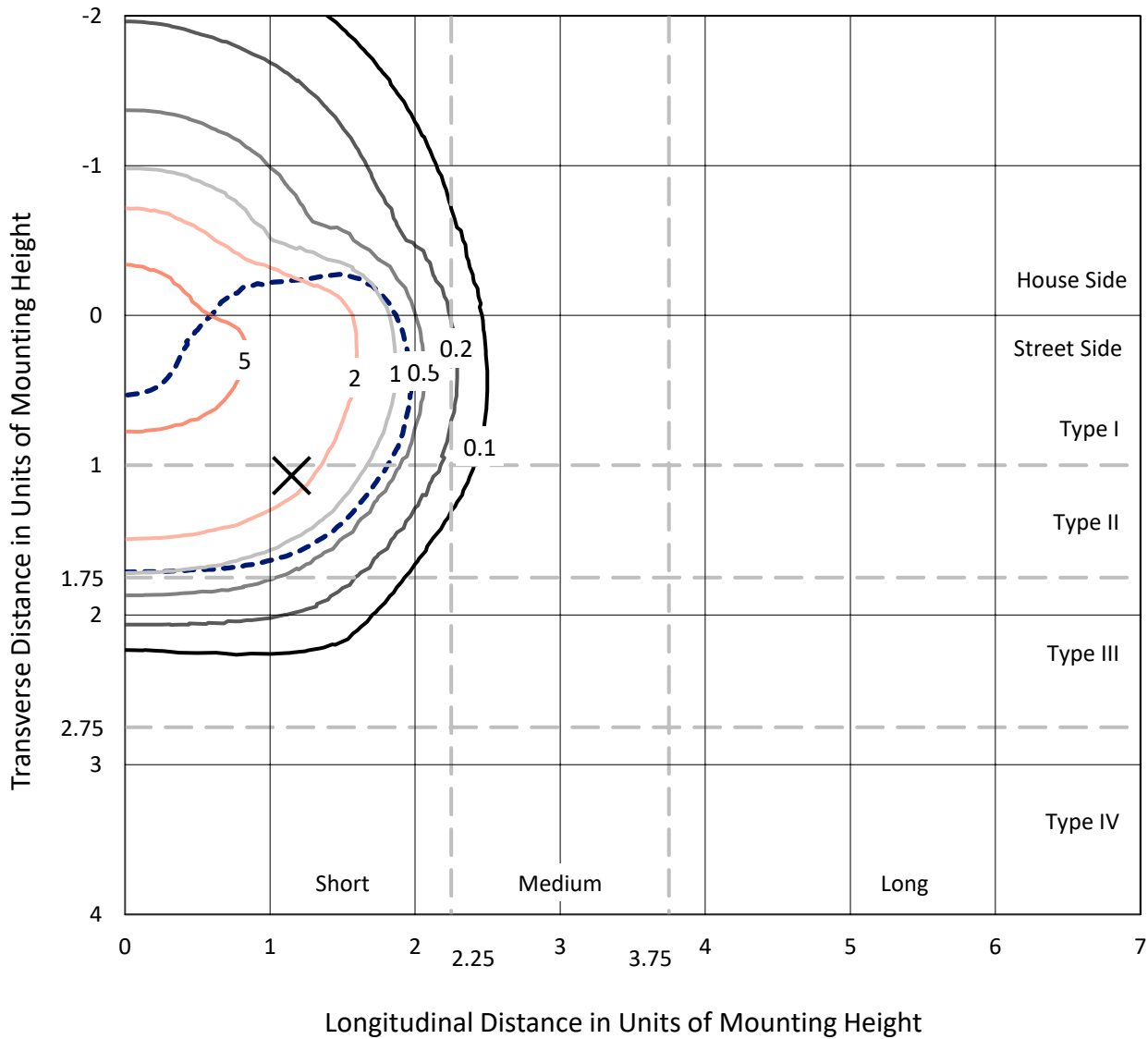
Lumens per Lamp: N/A  
Luminaire Lumens: 18231.7 lumens  
Efficiency: N/A  
Efficacy: 131.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

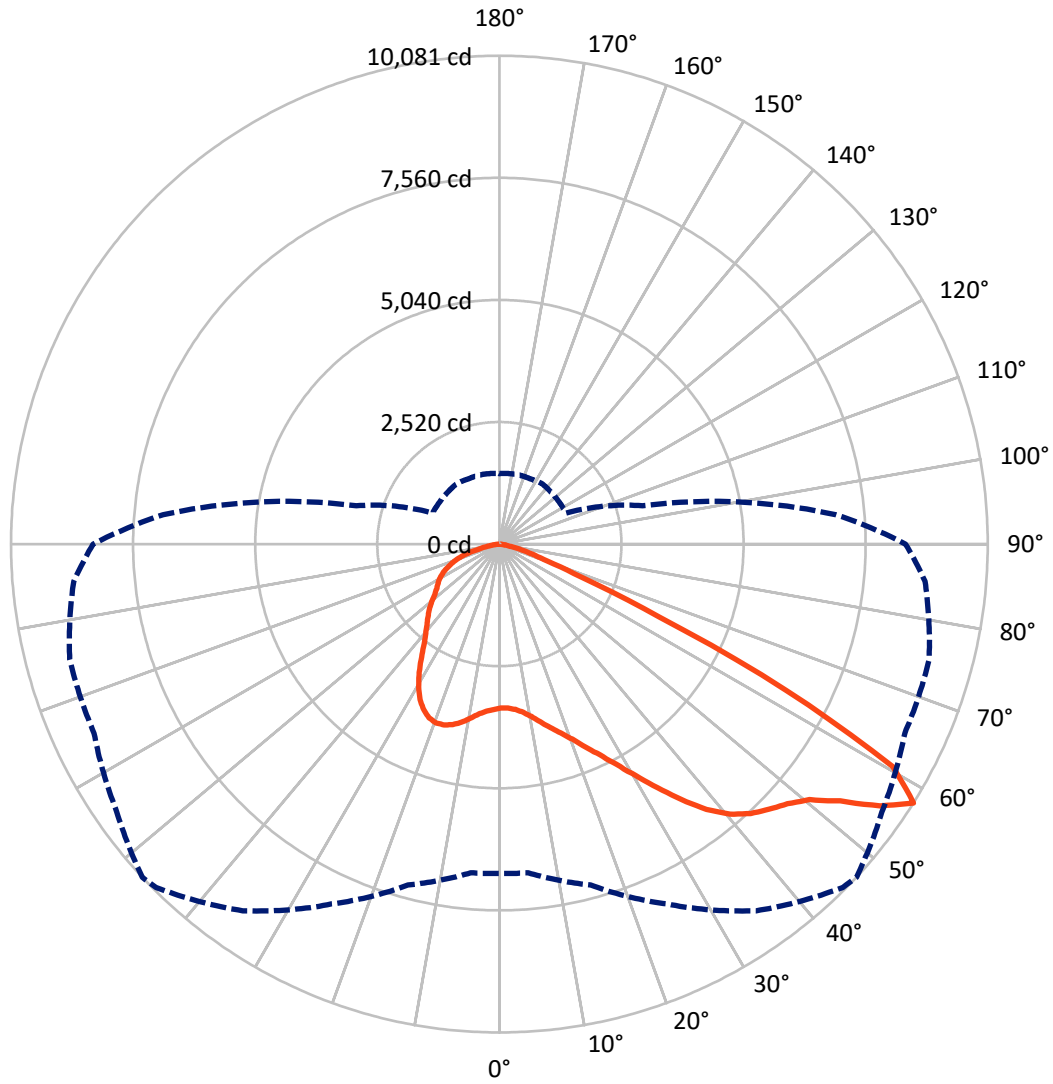
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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
<b>House Side</b>	Lumens	5770.3	0.0	5770.3
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	12461.4	0.0	12461.4
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	18231.7	0.0	18231.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	333.5	1.8
10°-20°	1096.8	6.0
20°-30°	1975.0	10.8
30°-40°	2983.0	16.4
40°-50°	4017.0	22.0
50°-60°	4826.9	26.5
60°-70°	2350.8	12.9
70°-80°	579.1	3.2
80°-90°	69.6	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°	18231.7	100.0
0°-180°	18231.7	100.0

**Coefficient of Utilization**



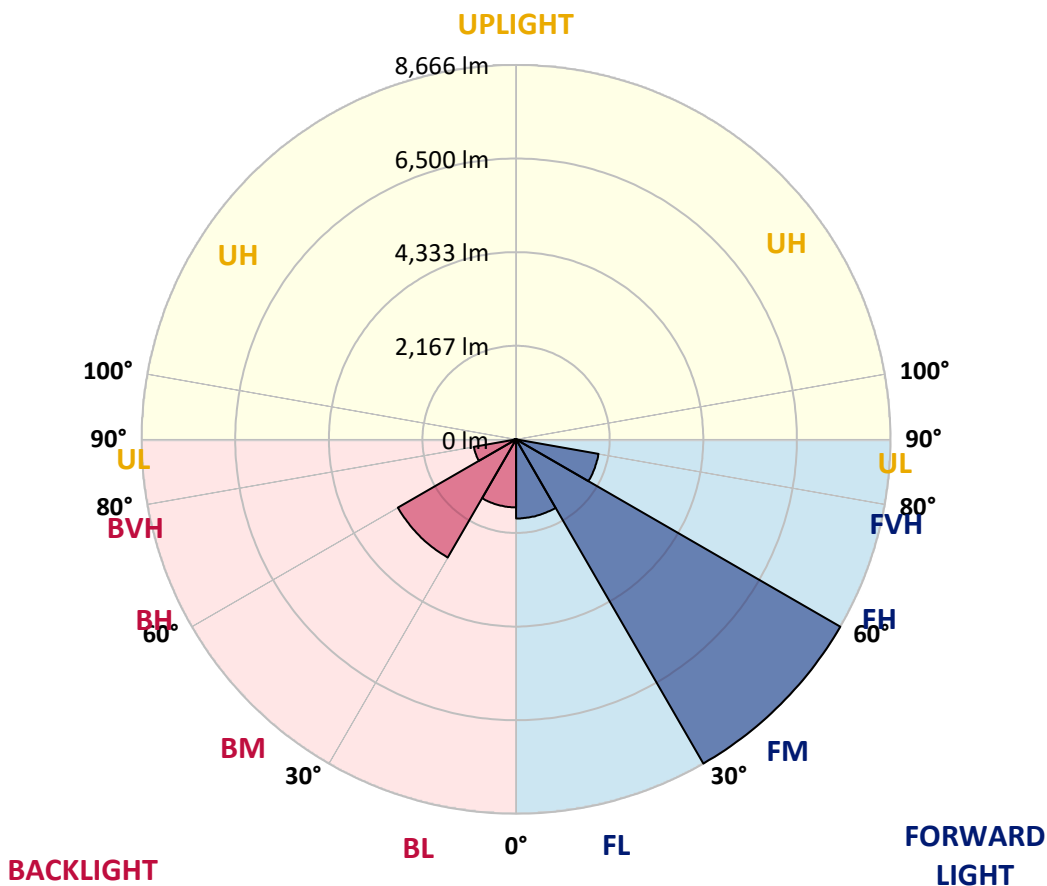
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1831.3	10.0			
FM (30°-60°)	8666.5	47.5			
FH (60°-80°)	1937.5	10.6			G2/5000
FVH (80°-90°)	26.2	0.1			G1/100
BL (0°-30°)	1574.0	8.6	B3/2500		
BM (30°-60°)	3160.4	17.3	B3/5000		
BH (60°-80°)	992.5	5.4	B2/1000		G2/1000
BVH (80°-90°)	43.4	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°	3381.1	3381.1	3381.1	3381.1	3381.1	3381.1	3381.1	3381.1	3381.1	3381.1	3381.1
2.5°	3375.0	3373.4	3373.4	3382.6	3382.6	3385.7	3390.3	3394.9	3396.4	3388.8	3371.9
5°	3411.7	3411.7	3411.7	3419.4	3419.4	3422.4	3428.6	3430.1	3428.6	3416.3	3399.5
7.5°	3469.9	3469.9	3471.4	3480.6	3488.3	3492.9	3503.6	3502.1	3497.5	3477.6	3456.1
10°	3564.9	3569.4	3574.0	3584.8	3600.1	3610.8	3618.4	3618.4	3612.3	3581.7	3554.1
12.5°	3699.6	3705.7	3710.3	3719.5	3731.8	3750.1	3767.0	3767.0	3759.3	3721.0	3679.7
15°	3857.3	3863.5	3861.9	3865.0	3888.0	3914.0	3927.8	3937.0	3940.0	3886.4	3822.1
17.5°	4038.0	4044.1	4038.0	4028.8	4031.9	4073.2	4097.7	4131.4	4151.3	4079.4	3976.8
20°	4201.9	4195.7	4195.7	4201.9	4211.1	4261.6	4298.3	4353.5	4378.0	4290.7	4131.4
22.5°	4374.9	4388.7	4382.6	4382.6	4419.3	4503.5	4547.9	4619.9	4645.9	4532.6	4318.2
25°	4598.5	4610.7	4607.7	4610.7	4653.6	4773.0	4817.4	4950.7	4976.7	4814.4	4525.0
27.5°	4843.5	4863.4	4872.6	4869.5	4938.4	5094.6	5149.7	5335.0	5382.5	5129.8	4745.5
30°	5162.0	5183.4	5191.1	5188.0	5269.2	5482.0	5544.8	5756.1	5823.5	5503.5	5025.7
32.5°	5531.0	5552.5	5575.4	5584.6	5688.8	5906.2	5996.5	6215.5	6312.0	5935.3	5364.1
35°	5897.0	5915.4	5959.8	6031.8	6174.2	6396.2	6475.8	6691.8	6785.2	6384.0	5773.0
37.5°	6301.3	6313.5	6351.8	6451.3	6656.5	6867.8	6947.5	7154.2	7164.9	6817.3	6235.4
40°	6743.8	6743.8	6736.2	6834.2	7048.5	7261.4	7330.3	7449.7	7387.0	7151.1	6685.6
42.5°	7119.0	7112.9	7119.0	7210.9	7370.1	7543.1	7602.9	7579.9	7500.3	7406.9	7092.9
45°	7457.4	7462.0	7517.1	7587.6	7670.2	7772.8	7808.1	7677.9	7605.9	7612.1	7419.1
47.5°	7687.1	7691.7	7820.3	7938.2	7988.8	8020.9	8005.6	7824.9	7788.2	7857.1	7670.2
50°	7717.7	7742.2	7964.3	8206.2	8331.8	8336.4	8293.5	8073.0	8062.3	8140.4	7805.0
52.5°	7723.8	7748.3	8025.5	8461.9	8788.1	8857.0	8808.0	8578.3	8466.5	8388.4	7970.4
55°	7700.9	7728.4	8034.7	8633.4	9258.2	9533.8	9538.4	9213.8	8857.0	8804.9	8442.0
57.5°	6798.9	6809.7	7284.4	8197.0	9239.8	10020.8	10080.5	9639.5	9232.2	9183.2	8820.2
60°	4736.3	4779.2	5295.2	6500.3	7762.1	9138.8	9331.7	9203.1	8930.5	8573.7	7567.7
62.5°	2372.0	2408.7	2926.3	4065.6	5353.4	6440.6	6647.3	6783.6	6847.9	6465.1	5152.8
65°	1021.4	1048.9	1370.5	2123.9	3030.4	3555.7	3627.6	3791.5	4192.7	3740.9	2776.2
67.5°	683.0	701.3	865.2	1295.5	1785.5	1819.2	1808.5	1843.7	1931.0	1594.1	1254.1
70°	523.7	539.0	649.3	949.4	1283.2	1097.9	1039.7	943.3	1024.4	1044.3	1016.8
72.5°	379.8	392.0	474.7	647.7	803.9	701.3	692.1	741.1	851.4	882.0	865.2
75°	245.0	251.1	301.7	355.3	415.0	450.2	468.6	557.4	669.2	692.1	672.2
77.5°	163.8	168.4	197.5	228.2	235.8	237.4	243.5	283.3	359.9	402.7	398.1
80°	85.8	85.8	96.5	96.5	110.3	131.7	137.8	163.8	199.1	220.5	222.0
82.5°	33.7	35.2	41.3	45.9	55.1	67.4	72.0	85.8	104.1	119.4	133.2
85°	13.8	15.3	16.8	19.9	24.5	30.6	32.2	36.8	49.0	61.3	68.9
87.5°	0.0	0.0	1.5	1.5	3.1	4.6	4.6	6.1	7.7	13.8	18.4
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°	3381.1	3381.1	3381.1	3381.1	3381.1	3381.1	3381.1	3381.1	3381.1	3381.1	3381.1
2.5°	3391.8	3371.9	3391.8	3397.9	3414.8	3420.9	3410.2	3408.7	3408.7	3393.3	3388.8
5°	3414.8	3396.4	3416.3	3425.5	3450.0	3465.3	3468.4	3480.6	3488.3	3482.2	3480.6
7.5°	3471.4	3448.5	3469.9	3483.7	3515.8	3540.3	3551.1	3578.6	3598.5	3595.5	3593.9
10°	3571.0	3540.3	3564.9	3587.8	3623.0	3652.1	3653.7	3669.0	3688.9	3682.8	3679.7
12.5°	3685.8	3656.7	3684.3	3707.3	3748.6	3760.9	3740.9	3734.8	3737.9	3730.2	3724.1
15°	3826.7	3785.4	3809.9	3835.9	3858.9	3845.1	3802.2	3785.4	3783.8	3773.1	3767.0
17.5°	3967.6	3915.5	3933.9	3947.7	3937.0	3894.1	3840.5	3811.4	3797.6	3776.2	3770.0
20°	4106.9	4041.1	4038.0	4027.3	3978.3	3900.2	3828.2	3770.0	3734.8	3705.7	3695.0
22.5°	4266.2	4174.3	4128.4	4079.4	3972.2	3845.1	3736.4	3653.7	3597.0	3560.3	3548.0
25°	4437.7	4307.5	4212.6	4114.6	3910.9	3727.2	3575.6	3462.3	3394.9	3355.1	3341.3
27.5°	4607.7	4428.5	4286.1	4119.2	3788.4	3557.2	3353.5	3200.4	3133.0	3100.9	3090.1
30°	4837.4	4589.3	4373.4	4059.5	3627.6	3321.4	3067.2	2912.5	2868.1	2845.1	2836.0
32.5°	5102.3	4792.9	4489.8	3933.9	3422.4	3045.7	2777.8	2670.6	2639.9	2595.5	2594.0
35°	5451.4	5083.9	4600.0	3748.6	3163.7	2750.2	2555.7	2479.2	2424.0	2353.6	2347.5
37.5°	5858.7	5446.8	4659.7	3512.8	2862.0	2506.7	2390.3	2304.6	2215.8	2122.4	2110.1
40°	6279.8	5871.0	4664.3	3234.1	2566.4	2345.9	2247.9	2136.2	2025.9	1921.8	1908.0
42.5°	6722.4	6266.1	4583.2	2912.5	2324.5	2206.6	2107.1	1966.2	1842.1	1771.7	1764.0
45°	7117.5	6584.6	4399.4	2574.1	2145.3	2090.2	1963.1	1811.5	1745.7	1695.1	1684.4
47.5°	7428.3	6795.9	4151.3	2270.9	1999.9	1970.8	1805.4	1727.3	1676.8	1630.8	1620.1
50°	7581.4	6843.3	3828.2	2024.4	1865.1	1829.9	1716.6	1656.9	1623.2	1586.4	1577.2
52.5°	7771.3	6896.9	3549.5	1817.6	1733.4	1686.0	1643.1	1595.6	1571.1	1548.1	1540.5
55°	8207.7	7099.1	3402.5	1652.3	1607.9	1586.4	1580.3	1540.5	1532.8	1517.5	1503.7
57.5°	8385.4	6968.9	3054.9	1517.5	1508.3	1511.4	1526.7	1489.9	1482.3	1463.9	1454.7
60°	6743.8	5267.6	2068.8	1401.1	1425.6	1445.5	1460.9	1424.1	1413.4	1410.3	1398.1
62.5°	4321.3	3240.2	1444.0	1292.4	1329.2	1353.7	1362.9	1327.6	1320.0	1344.5	1346.0
65°	2249.5	1765.6	1171.4	1176.0	1206.7	1243.4	1261.8	1249.5	1246.5	1272.5	1274.0
67.5°	1148.5	1079.6	1021.4	1038.2	1062.7	1110.2	1153.1	1206.7	1225.0	1228.1	1229.6
70°	978.5	947.9	918.8	929.5	955.5	981.6	1022.9	1048.9	1018.3	1010.7	1007.6
72.5°	833.0	810.1	796.3	808.5	822.3	817.7	805.5	817.7	822.3	823.8	825.4
75°	647.7	630.9	620.2	621.7	621.7	604.9	581.9	568.1	552.8	540.5	540.5
77.5°	396.6	399.7	410.4	408.9	407.3	401.2	378.2	366.0	329.2	318.5	318.5
80°	226.6	231.2	241.9	245.0	245.0	237.4	214.4	200.6	183.8	176.1	174.6
82.5°	137.8	143.9	150.1	153.1	154.7	145.5	125.6	114.8	105.7	98.0	98.0
85°	72.0	75.0	81.2	82.7	78.1	68.9	58.2	53.6	44.4	42.9	42.9
87.5°	19.9	21.4	24.5	19.9	18.4	13.8	7.7	6.1	3.1	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)