

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: P635229

Luminaire Tested: GWS-SA3D-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635229  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-735-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

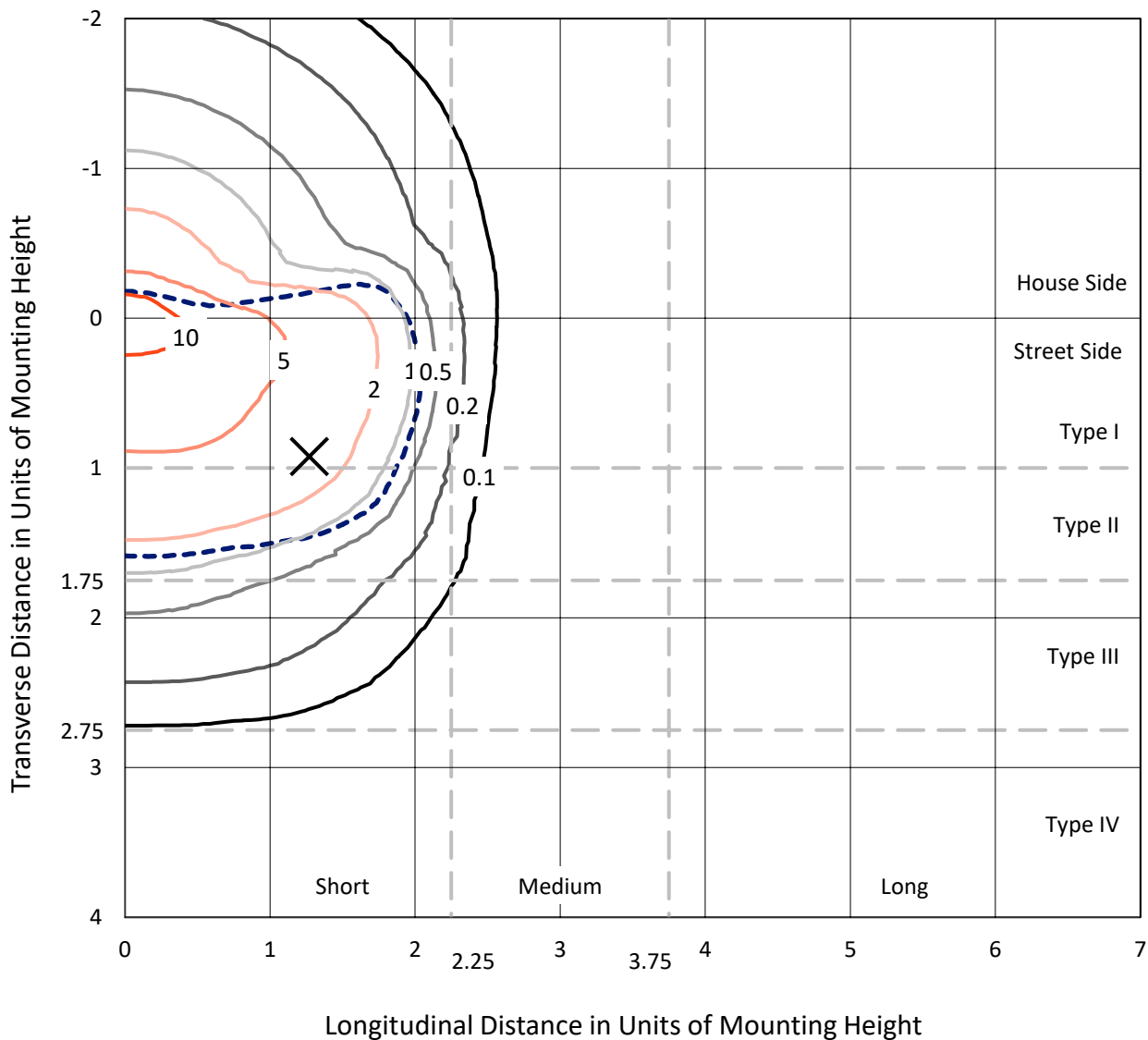
Lumens per Lamp: N/A  
Luminaire Lumens: 14535.6 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

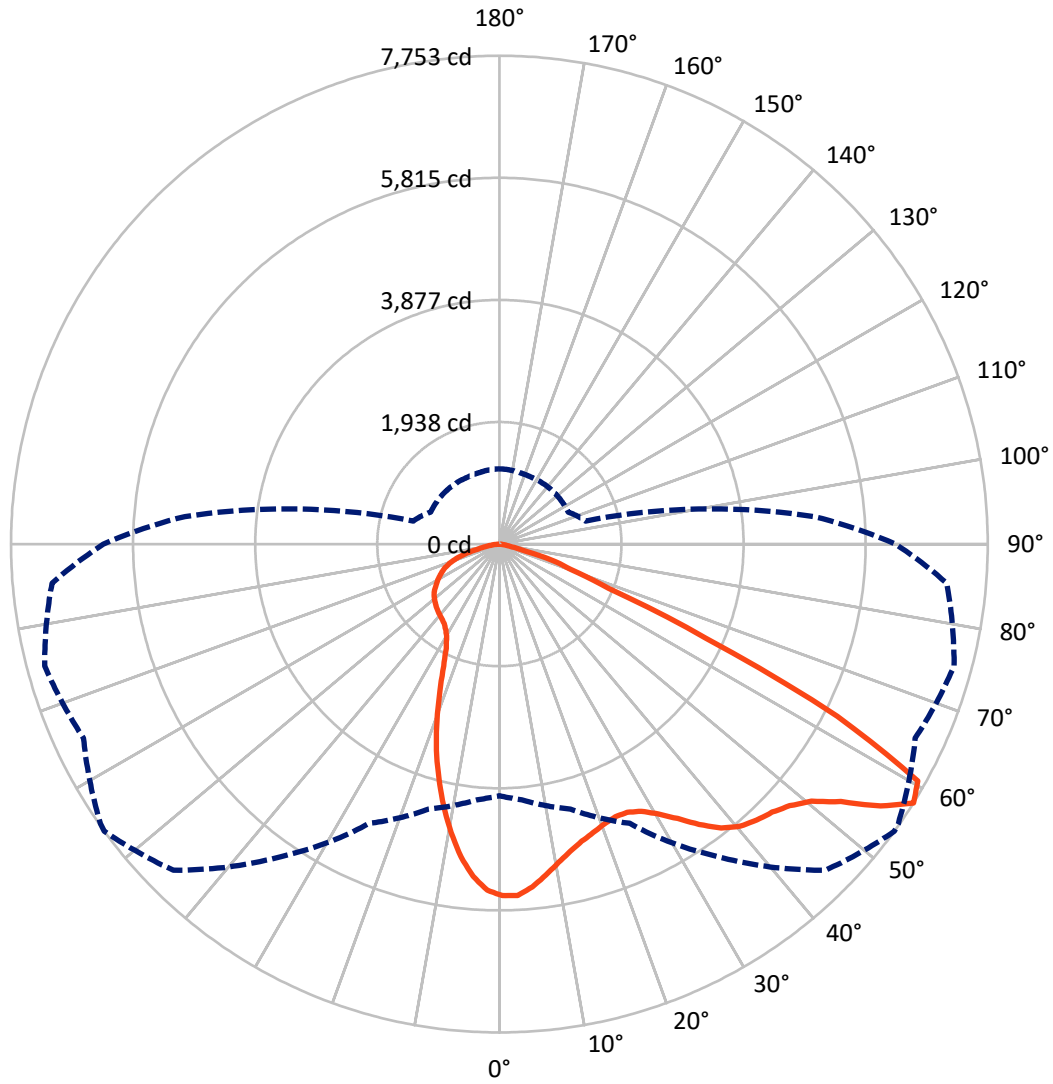
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 14 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4225.7	0.0	4225.7
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	10309.9	0.0	10309.9
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	14535.6	0.0	14535.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	490.5	3.4
10°-20°	1170.5	8.1
20°-30°	1619.7	11.1
30°-40°	2250.6	15.5
40°-50°	2972.4	20.4
50°-60°	3532.2	24.3
60°-70°	1956.9	13.5
70°-80°	487.3	3.4
80°-90°	55.4	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°	14535.6	100.0
0°-180°	14535.6	100.0

**Coefficient of Utilization**



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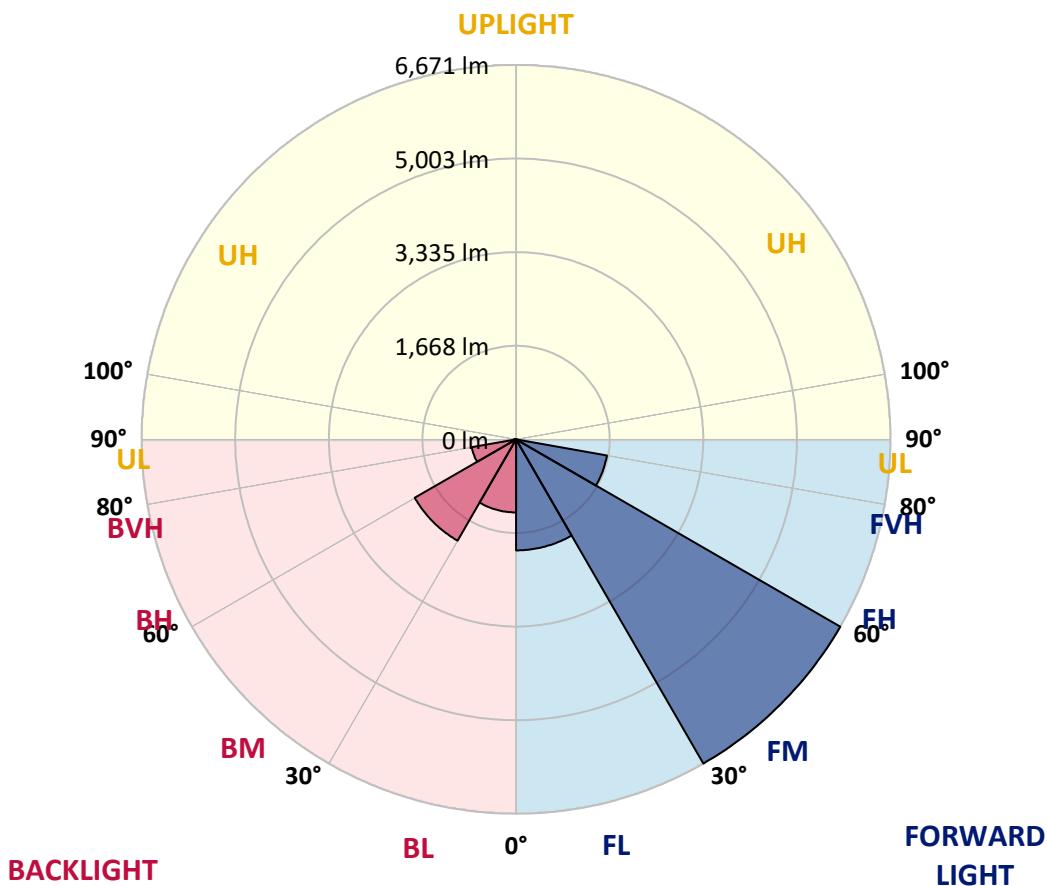
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1978.5	13.6			
FM (30°-60°)	6670.6	45.9			
FH (60°-80°)	1643.4	11.3			G1/1800
FVH (80°-90°)	17.3	0.1			G1/100
BL (0°-30°)	1302.2	9.0	B3/2500		
BM (30°-60°)	2084.6	14.3	B2/2500		
BH (60°-80°)	800.8	5.5	B2/1000		G2/1000
BVH (80°-90°)	38.1	0.3			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°	54°	55°	65°	75°	85°
0°	5580.5	5580.5	5580.5	5580.5	5580.5	5580.5	5580.5	5580.5	5580.5	5580.5	5580.5
2.5°	5476.0	5487.2	5494.7	5520.8	5543.2	5563.1	5584.3	5584.3	5583.0	5579.3	5571.8
5°	5259.5	5272.0	5289.4	5325.5	5374.0	5408.8	5466.1	5471.1	5495.9	5505.9	5500.9
7.5°	5008.2	5011.9	5034.3	5081.6	5158.7	5221.0	5303.1	5313.0	5372.8	5407.6	5401.4
10°	4733.2	4720.8	4760.6	4830.3	4931.0	5035.6	5141.3	5150.0	5245.8	5311.8	5306.8
12.5°	4481.9	4483.1	4522.9	4607.5	4733.2	4862.6	5004.5	5024.4	5142.6	5227.2	5218.5
15°	4271.6	4276.6	4325.1	4420.9	4564.0	4718.3	4895.0	4913.6	5062.9	5174.9	5150.0
17.5°	4103.6	4108.6	4150.9	4260.4	4413.4	4600.1	4815.3	4834.0	5019.4	5152.5	5101.5
20°	3987.9	3985.4	4026.5	4131.0	4289.0	4491.8	4745.6	4773.0	5005.7	5161.2	5069.2
22.5°	3940.6	3939.4	3969.2	4055.1	4203.1	4408.4	4703.3	4740.7	5020.6	5199.8	5049.2
25°	3964.2	3959.3	3985.4	4048.9	4167.1	4376.1	4715.8	4755.6	5084.1	5279.4	5053.0
27.5°	4037.7	4031.4	4053.8	4111.1	4200.7	4409.7	4802.9	4848.9	5218.5	5425.0	5102.7
30°	4149.6	4145.9	4168.3	4223.0	4301.4	4521.7	4969.6	5021.9	5426.3	5651.5	5211.0
32.5°	4280.3	4274.1	4313.9	4377.3	4468.2	4725.7	5193.6	5262.0	5672.6	5942.6	5392.7
35°	4427.1	4422.1	4476.9	4569.0	4699.6	5009.4	5464.8	5539.5	5924.0	6272.4	5634.1
37.5°	4570.2	4570.2	4676.0	4812.8	4977.1	5318.0	5719.9	5767.2	6098.2	6564.8	5892.9
40°	4697.1	4704.6	4863.8	5069.2	5278.2	5596.7	5887.9	5927.7	6175.3	6766.3	6118.1
42.5°	4837.7	4843.9	5029.3	5298.1	5547.0	5821.9	5989.9	6009.8	6190.2	6867.1	6277.3
45°	4949.7	4958.4	5188.6	5476.0	5780.9	5991.2	6070.8	6088.2	6211.4	6921.9	6393.1
47.5°	5008.2	5020.6	5284.4	5619.1	5938.9	6143.0	6203.9	6211.4	6298.5	7017.7	6532.4
50°	4998.2	5023.1	5320.5	5690.0	6055.9	6296.0	6417.9	6430.4	6476.4	7158.3	6695.4
52.5°	5086.6	5097.8	5397.6	5774.7	6222.6	6578.5	6790.0	6807.4	6786.2	7264.0	6792.5
55°	4939.7	4993.3	5301.8	5762.2	6476.4	7015.2	7341.2	7332.5	7067.4	7382.2	6954.2
57.5°	3995.3	4073.7	4356.2	4891.2	6058.3	7321.3	7753.0	7731.9	7285.2	7473.1	7129.7
60°	2766.0	2778.5	3033.5	3413.0	4676.0	6467.7	7632.3	7678.4	7325.0	7358.6	6804.9
62.5°	2212.3	2208.6	2232.2	2242.2	2973.8	4546.6	6024.8	6192.7	6085.7	5733.6	4822.8
65°	1888.8	1902.5	1972.2	1936.1	1941.1	2560.7	3599.7	3623.3	3548.7	3421.7	2550.8
67.5°	1478.2	1501.8	1625.0	1765.6	1720.8	1648.7	1867.6	1856.4	1463.3	1132.3	935.7
70°	925.7	940.7	1072.6	1386.1	1498.1	1353.8	1200.7	1195.7	783.9	644.5	706.7
72.5°	540.0	542.5	579.8	772.7	994.2	925.7	883.4	851.1	503.9	513.9	563.7
75°	297.4	297.4	296.1	333.5	391.9	347.2	336.0	327.2	337.2	382.0	419.3
77.5°	62.2	63.5	67.2	88.3	114.5	139.4	175.4	176.7	220.2	255.1	284.9
80°	28.6	29.9	37.3	47.3	61.0	80.9	107.0	108.3	133.1	160.5	180.4
82.5°	14.9	16.2	19.9	24.9	32.4	42.3	59.7	59.7	79.6	94.6	107.0
85°	5.0	5.0	7.5	10.0	13.7	17.4	23.6	23.6	34.8	46.0	53.5
87.5°	0.0	0.0	0.0	0.0	1.2	2.5	5.0	5.0	6.2	7.5	12.4
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°	5580.5	5580.5	5580.5	5580.5	5580.5	5580.5	5580.5	5580.5	5580.5	5580.5	5580.5
2.5°	5555.7	5517.1	5518.3	5525.8	5502.2	5466.1	5442.4	5412.6	5393.9	5390.2	5403.9
5°	5476.0	5431.2	5400.1	5367.8	5300.6	5221.0	5158.7	5107.7	5074.1	5061.7	5046.8
7.5°	5366.5	5308.1	5229.7	5138.8	5016.9	4875.0	4775.5	4682.2	4617.5	4598.8	4590.1
10°	5257.0	5172.4	5033.1	4863.8	4661.0	4469.4	4289.0	4150.9	4041.4	3979.2	3999.1
12.5°	5143.8	5039.3	4821.5	4561.5	4279.0	3990.4	3754.0	3525.0	3348.3	3260.0	3233.9
15°	5044.3	4902.4	4598.8	4246.7	3870.9	3507.6	3165.4	2822.0	2598.0	2476.1	2442.5
17.5°	4959.7	4775.5	4363.7	3925.7	3476.5	2958.9	2538.3	2219.8	2066.7	1999.5	1994.6
20°	4876.3	4651.1	4131.0	3579.8	3021.1	2441.3	2065.5	1916.2	1861.4	1837.8	1836.5
22.5°	4801.6	4520.4	3885.9	3233.9	2568.2	2051.8	1845.3	1780.5	1765.6	1765.6	1763.1
25°	4738.2	4389.8	3634.5	2866.8	2158.8	1826.6	1730.8	1703.4	1709.6	1720.8	1722.1
27.5°	4712.0	4287.8	3391.9	2489.8	1876.4	1695.9	1652.4	1648.7	1666.1	1683.5	1686.0
30°	4739.4	4218.1	3143.0	2128.9	1707.1	1616.3	1596.4	1603.9	1625.0	1642.4	1642.4
32.5°	4824.0	4183.2	2889.2	1865.2	1608.8	1560.3	1554.1	1561.6	1577.7	1587.7	1588.9
35°	4967.1	4196.9	2626.7	1687.2	1545.4	1519.3	1518.0	1523.0	1529.2	1535.4	1536.7
37.5°	5147.5	4257.9	2345.4	1584.0	1504.3	1489.4	1486.9	1485.7	1486.9	1486.9	1488.1
40°	5324.2	4350.0	2094.1	1523.0	1475.7	1463.3	1457.0	1448.3	1447.1	1444.6	1443.4
42.5°	5454.9	4420.9	1893.8	1479.4	1449.6	1434.6	1427.2	1413.5	1412.2	1411.0	1409.8
45°	5553.2	4480.6	1727.0	1437.1	1422.2	1408.5	1392.3	1379.9	1382.4	1384.9	1384.9
47.5°	5663.9	4532.9	1605.1	1397.3	1388.6	1374.9	1355.0	1346.3	1355.0	1363.7	1363.7
50°	5798.3	4606.3	1505.6	1357.5	1353.8	1337.6	1320.2	1316.4	1326.4	1338.8	1338.8
52.5°	5896.6	4669.7	1434.6	1317.7	1317.7	1296.5	1281.6	1280.4	1291.6	1304.0	1305.2
55°	6080.7	4817.8	1409.8	1271.6	1266.7	1250.5	1239.3	1230.6	1244.3	1255.5	1255.5
57.5°	6288.5	5014.4	1416.0	1205.7	1199.5	1194.5	1185.8	1175.8	1179.6	1192.0	1193.3
60°	5848.1	4633.7	1347.5	1139.8	1136.0	1133.5	1122.3	1104.9	1109.9	1119.8	1121.1
62.5°	4084.9	3079.6	1090.0	1057.6	1070.1	1068.8	1053.9	1034.0	1035.2	1048.9	1048.9
65°	2120.2	1666.1	956.8	983.0	1001.6	994.2	969.3	951.9	949.4	966.8	963.1
67.5°	914.5	909.6	871.0	904.6	924.5	908.3	882.2	853.6	856.1	862.3	857.3
70°	736.6	759.0	775.2	811.3	827.4	797.6	769.0	752.8	739.1	737.9	729.1
72.5°	588.5	619.6	655.7	693.1	698.0	668.2	632.1	617.2	596.0	594.8	586.1
75°	443.0	469.1	497.7	527.6	527.6	499.0	475.3	467.8	443.0	435.5	428.0
77.5°	302.4	318.5	340.9	348.4	355.9	344.7	321.0	308.6	280.0	272.5	262.5
80°	190.4	201.6	215.3	220.2	227.7	214.0	195.4	181.7	161.8	155.5	150.6
82.5°	114.5	121.9	130.6	133.1	139.4	129.4	112.0	102.0	90.8	85.9	82.1
85°	58.5	62.2	67.2	68.4	67.2	57.2	51.0	46.0	38.6	37.3	34.8
87.5°	14.9	17.4	18.7	17.4	16.2	12.4	8.7	6.2	2.5	2.5	1.2
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)