

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: P635225

Luminaire Tested: GWS-SA3D-735-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635225  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-735-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

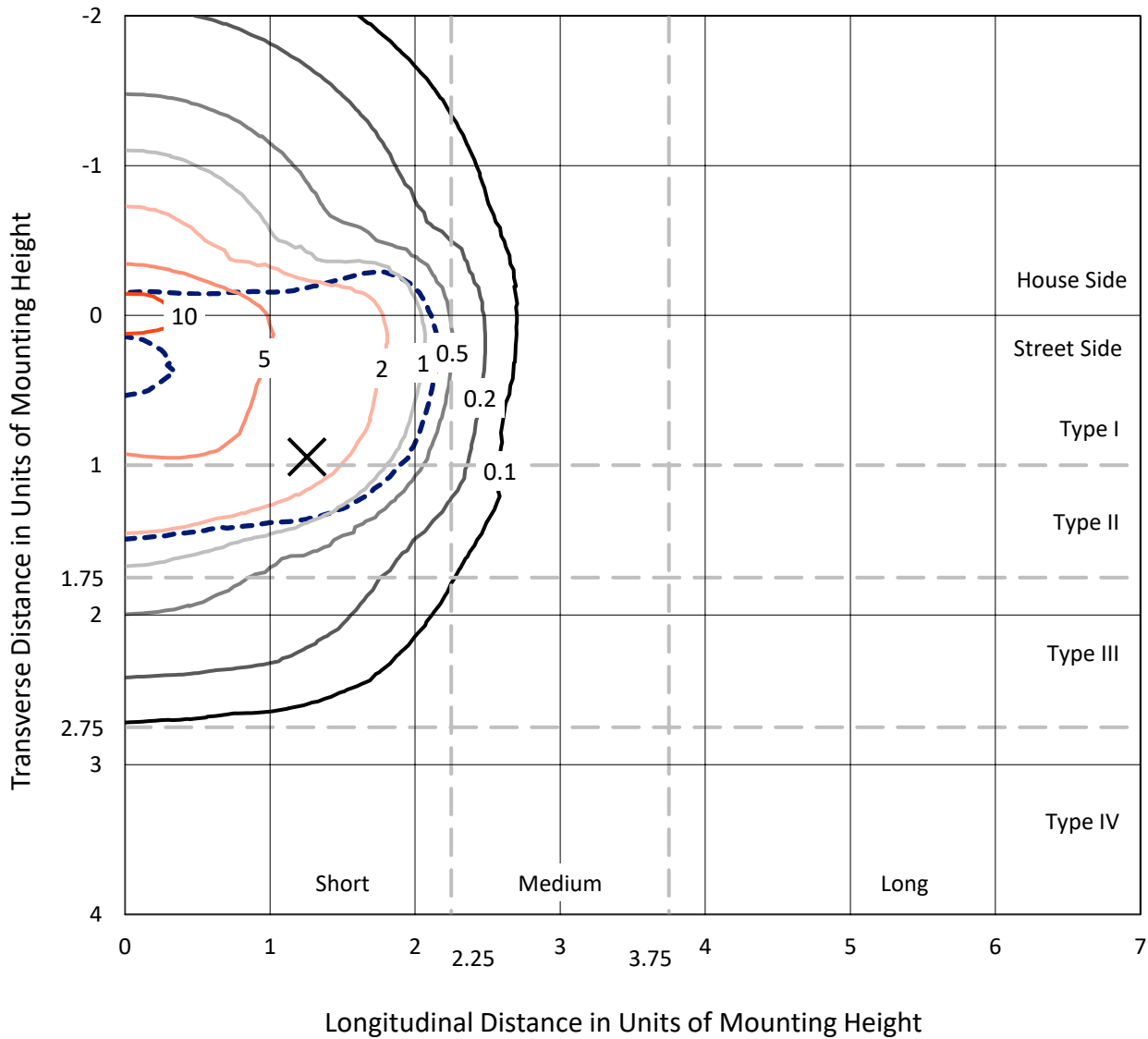
Lumens per Lamp: N/A  
Luminaire Lumens: 14783.2 lumens  
Efficiency: N/A  
Efficacy: 122.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

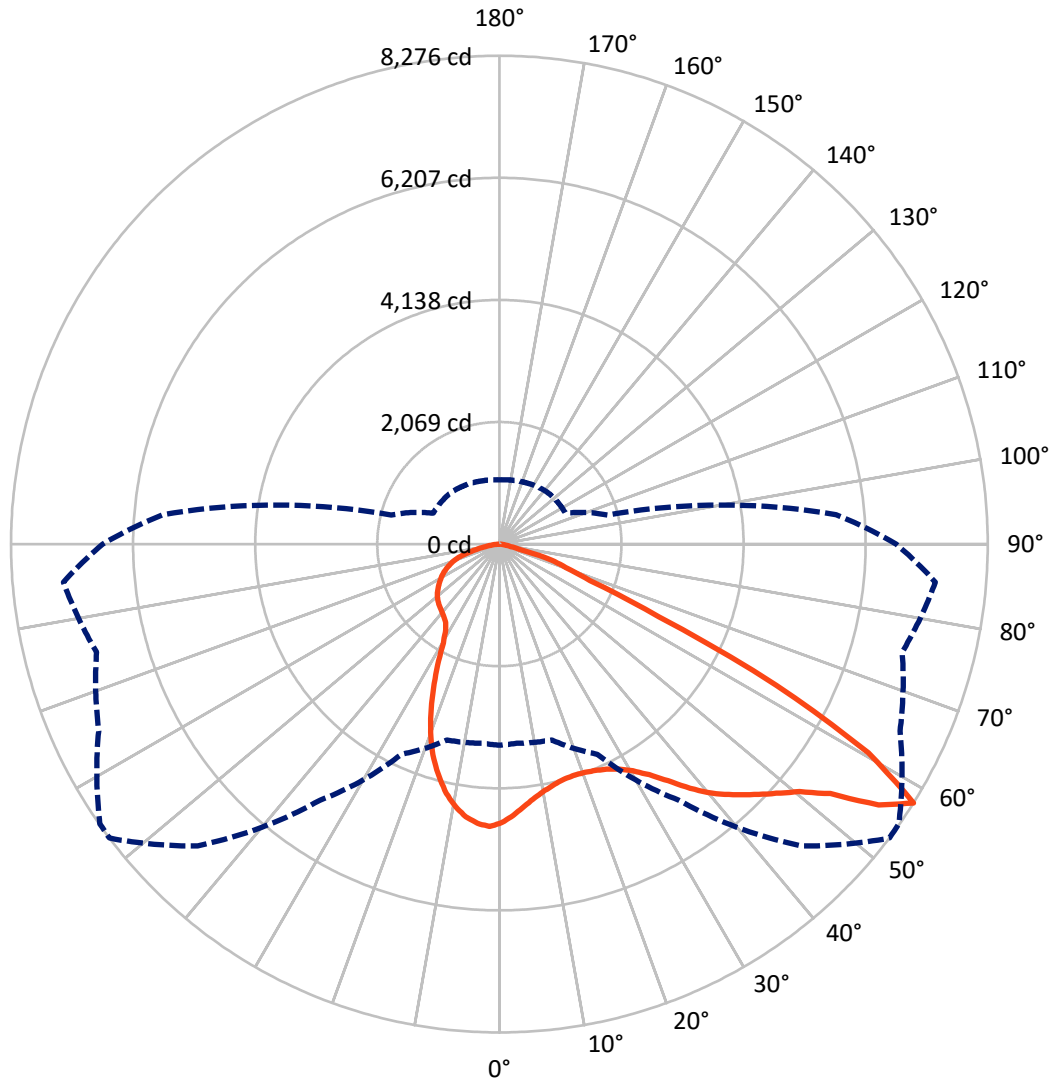
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4622.2	0.0	4622.2
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	10161.0	0.0	10161.0
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	14783.2	0.0	14783.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	426.9	2.9
10°-20°	1120.0	7.6
20°-30°	1650.1	11.2
30°-40°	2309.7	15.6
40°-50°	3036.3	20.5
50°-60°	3560.0	24.1
60°-70°	2097.3	14.2
70°-80°	521.7	3.5
80°-90°	61.2	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°	14783.2	100.0
0°-180°	14783.2	100.0

**Coefficient of Utilization**



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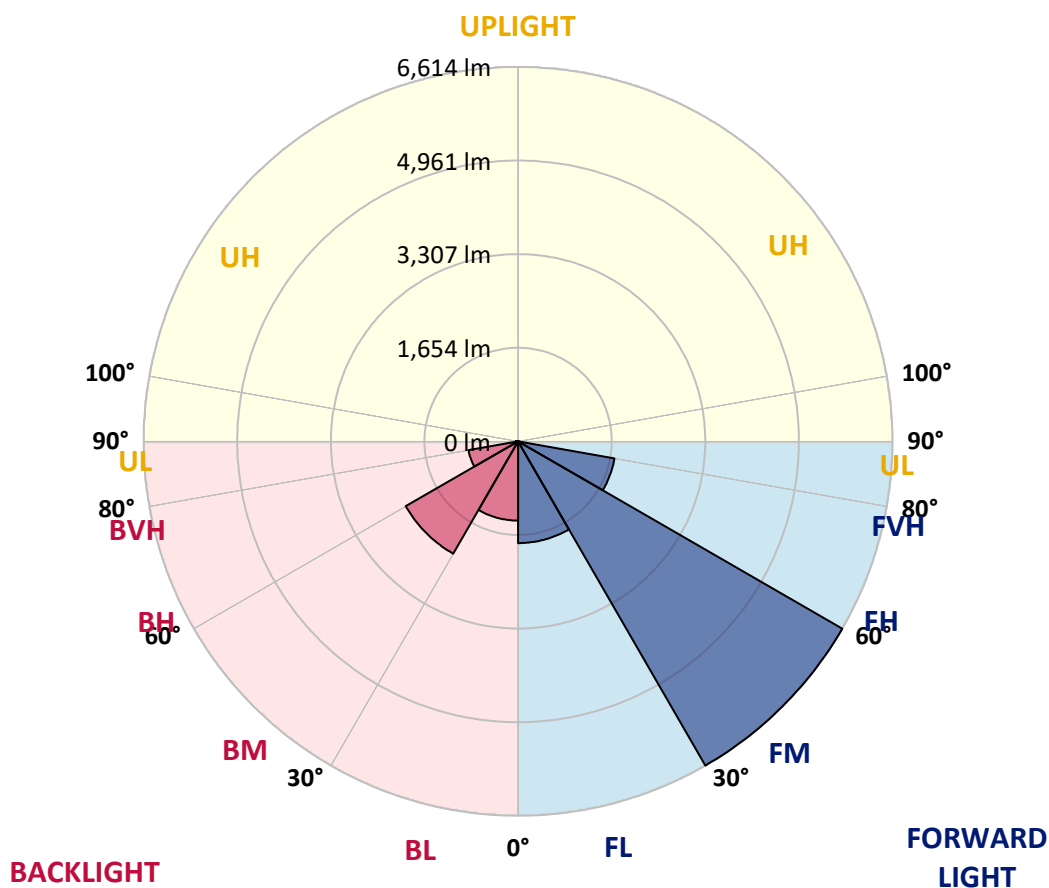
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1797.3	12.2			
FM (30°-60°)	6614.1	44.7			
FH (60°-80°)	1729.1	11.7			G1/1800
FVH (80°-90°)	20.5	0.1			G1/100
BL (0°-30°)	1399.6	9.5	B3/2500		
BM (30°-60°)	2291.9	15.5	B2/2500		
BH (60°-80°)	889.9	6.0	B2/1000		G2/1000
BVH (80°-90°)	40.7	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°	53°	55°	65°	75°	85°
0°	4720.7	4720.7	4720.7	4720.7	4720.7	4720.7	4720.7	4720.7	4720.7	4720.7	4720.7
2.5°	4449.4	4461.9	4464.4	4502.9	4505.4	4561.4	4598.7	4591.3	4629.8	4677.1	4714.5
5°	4236.7	4237.9	4250.3	4296.4	4321.3	4394.7	4456.9	4456.9	4531.5	4628.6	4712.0
7.5°	4061.2	4060.0	4071.2	4122.2	4163.3	4251.6	4336.2	4346.2	4450.7	4592.5	4728.1
10°	3898.2	3906.9	3919.4	3981.6	4033.9	4143.3	4244.1	4260.3	4392.2	4567.6	4750.5
12.5°	3793.7	3795.0	3813.6	3883.3	3950.5	4067.4	4173.2	4193.1	4344.9	4544.0	4766.7
15°	3726.5	3727.8	3747.7	3824.8	3903.2	4021.4	4129.7	4152.1	4317.5	4540.3	4797.8
17.5°	3696.7	3695.4	3714.1	3791.2	3877.1	4000.3	4116.0	4143.3	4330.0	4568.9	4852.6
20°	3696.7	3697.9	3707.9	3777.5	3864.6	3995.3	4129.7	4163.3	4378.5	4633.6	4937.2
22.5°	3748.9	3753.9	3758.9	3806.2	3874.6	4002.7	4165.7	4210.5	4483.0	4741.8	5047.9
25°	3850.9	3852.2	3857.2	3895.7	3926.8	4023.9	4225.5	4292.7	4646.0	4899.8	5187.3
27.5°	3987.8	4005.2	4010.2	4035.1	4035.1	4076.2	4318.8	4415.8	4866.3	5127.5	5365.2
30°	4179.4	4185.6	4194.4	4221.7	4191.9	4174.5	4455.7	4580.1	5121.3	5402.5	5579.2
32.5°	4347.4	4361.1	4408.4	4453.2	4399.7	4344.9	4657.2	4804.0	5366.4	5688.7	5806.9
35°	4490.5	4524.1	4614.9	4714.5	4677.1	4622.4	4924.7	5077.8	5568.0	5894.0	6008.5
37.5°	4663.4	4689.6	4814.0	4975.7	5009.3	4983.2	5250.7	5360.2	5702.4	5946.3	6118.0
40°	4838.9	4878.7	5039.2	5263.2	5391.3	5410.0	5551.8	5625.2	5748.4	5844.2	6096.8
42.5°	5018.1	5086.5	5306.7	5568.0	5795.7	5838.0	5805.7	5836.8	5733.5	5703.6	5998.5
45°	5237.0	5317.9	5566.8	5900.2	6200.1	6266.0	6054.5	6025.9	5731.0	5650.1	5937.5
47.5°	5495.8	5576.7	5814.4	6202.6	6585.8	6634.3	6309.6	6257.3	5818.1	5732.2	6019.7
50°	5724.8	5780.8	5993.5	6427.8	6945.4	6974.0	6590.8	6527.3	6034.6	5959.9	6276.0
52.5°	5492.1	5485.9	5709.9	6244.9	7132.0	7476.7	7023.8	6962.8	6452.7	6338.2	6672.9
55°	4659.7	4588.8	4789.1	5315.4	6610.7	7923.4	7800.2	7678.3	7010.1	6718.9	7044.9
57.5°	3406.7	3386.8	3435.4	3929.3	5295.5	7231.6	8275.5	8264.3	7491.6	7067.3	7415.7
60°	2663.9	2634.1	2504.7	2518.4	3609.6	5648.9	7181.8	7511.5	7790.2	7276.4	7674.5
62.5°	2365.3	2342.9	2275.7	2090.3	2150.1	3787.5	5264.4	5566.8	6807.3	6426.5	6592.0
65°	1958.4	1952.2	2008.2	2000.8	1801.7	2091.6	2971.3	3276.1	4280.2	4333.7	4280.2
67.5°	1423.4	1412.2	1554.1	1834.0	1734.5	1579.0	1656.1	1761.9	2194.9	1970.9	1774.3
70°	925.7	909.5	991.7	1325.1	1552.8	1376.1	1193.2	1175.8	1206.9	750.3	811.2
72.5°	620.9	602.2	601.0	729.1	938.2	927.0	924.5	915.8	817.5	592.3	657.0
75°	345.9	331.0	327.2	314.8	335.9	342.2	364.6	377.0	408.1	449.2	497.7
77.5°	58.5	57.2	72.2	92.1	126.9	163.0	201.6	212.8	262.5	311.1	342.2
80°	32.4	33.6	43.5	53.5	70.9	97.1	124.4	131.9	161.8	187.9	212.8
82.5°	17.4	17.4	22.4	28.6	38.6	51.0	67.2	73.4	93.3	109.5	126.9
85°	6.2	6.2	8.7	11.2	16.2	21.2	26.1	29.9	41.1	56.0	63.5
87.5°	0.0	0.0	0.0	0.0	1.2	2.5	5.0	5.0	6.2	11.2	16.2
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°	4720.7	4720.7	4720.7	4720.7	4720.7	4720.7	4720.7	4720.7	4720.7	4720.7	4720.7
2.5°	4745.6	4712.0	4758.0	4779.2	4786.6	4791.6	4759.2	4736.9	4729.4	4705.7	4692.1
5°	4763.0	4740.6	4784.1	4784.1	4753.0	4720.7	4654.7	4608.7	4576.3	4537.8	4531.5
7.5°	4792.8	4776.7	4800.3	4751.8	4673.4	4586.3	4471.8	4382.2	4310.1	4262.8	4264.0
10°	4832.7	4812.7	4794.1	4685.8	4542.7	4382.2	4206.8	4076.2	3956.7	3902.0	3872.1
12.5°	4858.8	4830.2	4751.8	4572.6	4362.3	4147.1	3899.5	3705.4	3532.4	3454.0	3447.8
15°	4891.1	4838.9	4682.1	4425.8	4133.4	3839.7	3521.2	3251.2	3017.3	2895.4	2889.1
17.5°	4933.4	4847.6	4598.7	4257.8	3892.0	3459.0	3058.4	2718.7	2469.8	2375.3	2391.4
20°	4993.2	4857.5	4504.2	4071.2	3592.1	3026.0	2527.1	2214.8	2119.0	2112.7	2100.3
22.5°	5060.4	4863.8	4399.7	3862.1	3228.8	2564.4	2087.8	1954.7	1953.5	1984.6	1992.0
25°	5136.3	4868.7	4281.5	3618.3	2835.6	2104.0	1846.5	1806.6	1837.8	1896.2	1903.7
27.5°	5233.3	4878.7	4138.4	3350.8	2417.6	1817.8	1713.3	1703.4	1740.7	1795.4	1793.0
30°	5376.4	4914.8	3986.6	3043.4	1988.3	1682.2	1632.5	1633.7	1648.6	1674.8	1678.5
32.5°	5522.0	4970.8	3838.5	2697.5	1741.9	1605.1	1582.7	1580.2	1580.2	1591.4	1593.9
35°	5660.1	5034.2	3678.0	2336.7	1622.5	1560.3	1545.4	1537.9	1534.2	1531.7	1527.9
37.5°	5737.2	5065.3	3521.2	1980.8	1559.0	1530.4	1515.5	1505.5	1491.9	1481.9	1479.4
40°	5703.6	5029.2	3339.6	1714.6	1520.5	1501.8	1484.4	1470.7	1452.0	1443.3	1438.4
42.5°	5591.6	4917.3	3141.7	1588.9	1489.4	1470.7	1449.5	1427.2	1414.7	1407.2	1406.0
45°	5473.4	4781.6	2902.8	1515.5	1459.5	1437.1	1412.2	1387.3	1373.6	1369.9	1368.7
47.5°	5469.7	4714.5	2649.0	1457.0	1423.4	1401.0	1369.9	1345.0	1330.1	1325.1	1320.1
50°	5634.0	4782.9	2362.8	1406.0	1386.1	1362.5	1327.6	1300.2	1281.6	1275.4	1274.1
52.5°	5974.9	5040.4	2106.5	1355.0	1336.3	1308.9	1280.3	1253.0	1230.6	1219.4	1218.1
55°	6343.2	5367.7	1947.2	1302.7	1277.8	1254.2	1228.1	1198.2	1173.3	1155.9	1153.4
57.5°	6723.9	5724.8	1898.7	1236.8	1218.1	1201.9	1170.8	1138.5	1109.9	1093.7	1090.0
60°	7037.5	6032.1	1989.6	1167.1	1157.2	1136.0	1107.4	1076.3	1056.4	1043.9	1041.4
62.5°	5891.5	4911.0	1606.3	1091.2	1091.2	1068.8	1036.5	1014.1	1000.4	991.7	989.2
65°	3739.0	3040.9	1096.2	1015.3	1014.1	984.2	956.8	941.9	935.7	922.0	919.5
67.5°	1628.7	1389.8	936.9	938.2	933.2	900.8	873.5	862.3	849.8	834.9	833.6
70°	844.8	861.0	838.6	852.3	843.6	805.0	778.9	761.5	735.4	720.4	721.7
72.5°	681.8	699.3	724.2	745.3	726.6	695.5	654.5	633.3	599.7	583.6	584.8
75°	520.1	538.8	562.4	584.8	569.9	531.3	505.2	484.0	445.4	426.8	430.5
77.5°	358.3	368.3	396.9	395.7	390.7	379.5	340.9	316.0	276.2	253.8	256.3
80°	222.7	228.9	242.6	248.8	246.4	231.4	200.3	181.7	158.0	144.3	145.6
82.5°	134.4	138.1	150.6	151.8	150.6	139.4	115.7	102.0	87.1	79.6	79.6
85°	68.4	70.9	78.4	78.4	70.9	59.7	53.5	47.3	38.6	34.8	34.8
87.5°	18.7	18.7	23.6	19.9	16.2	14.9	7.5	6.2	2.5	1.2	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)