

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: P635394

Luminaire Tested: GWS-SA3D-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635394  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

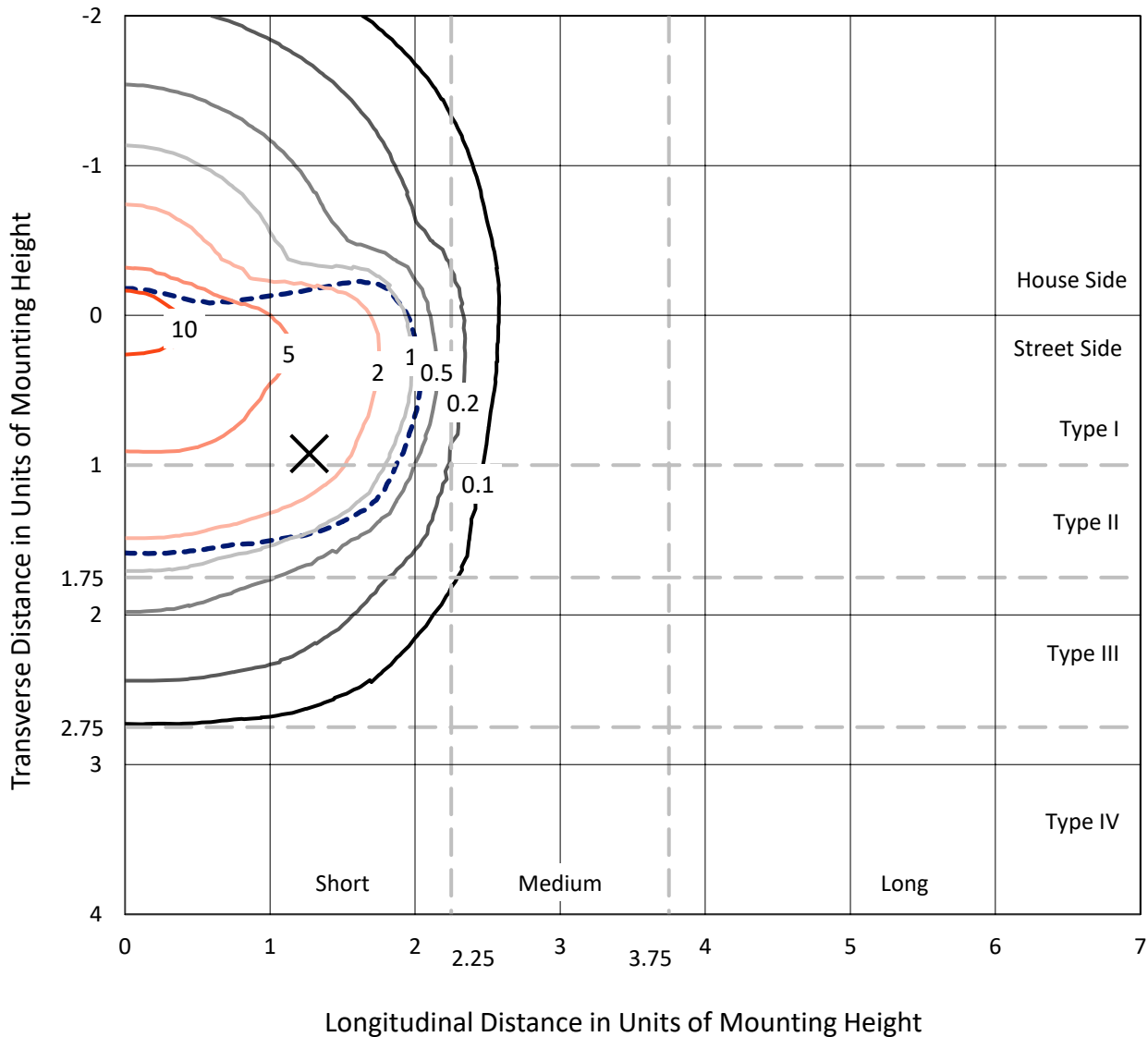
Lumens per Lamp: N/A  
Luminaire Lumens: 14868.7 lumens  
Efficiency: N/A  
Efficacy: 123.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

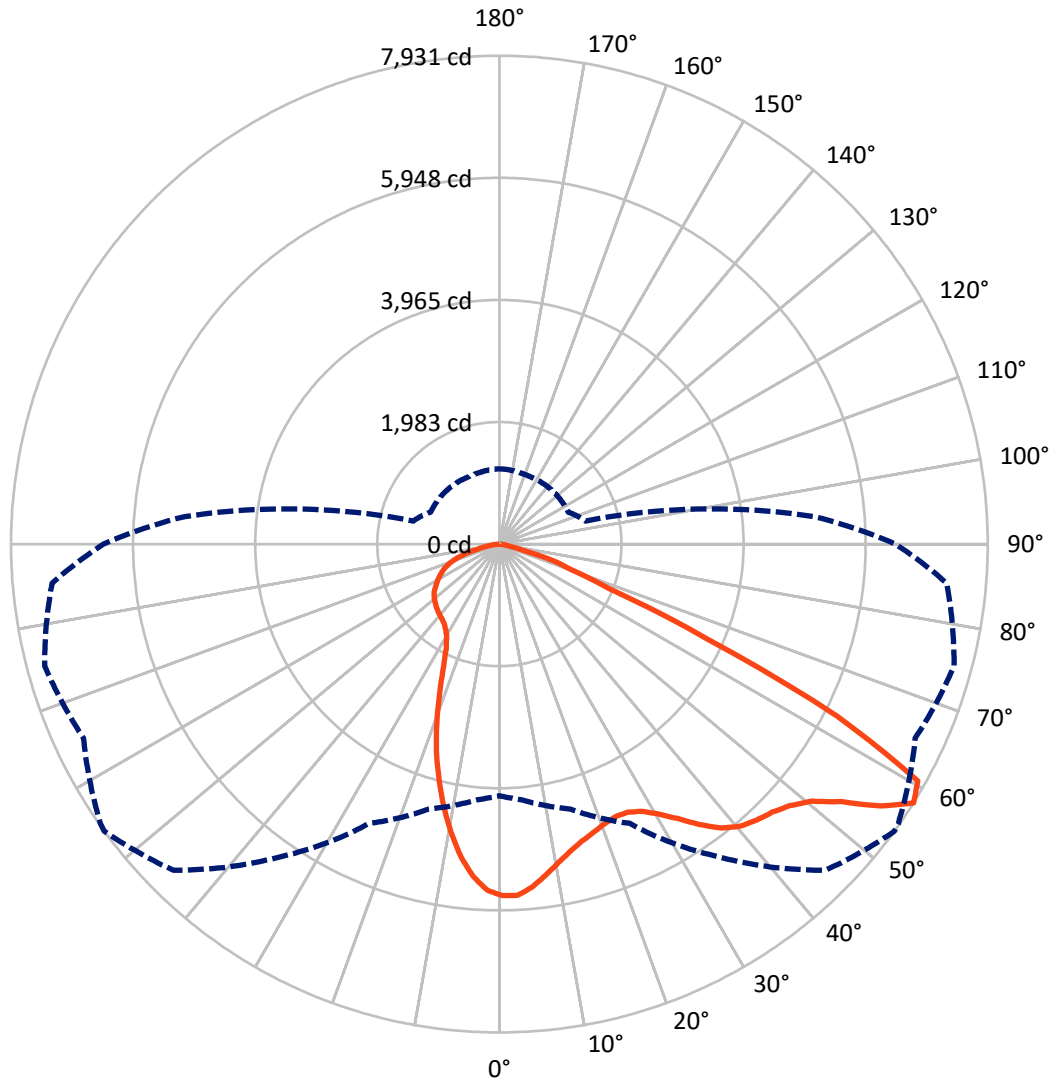
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 14.3 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	4322.5	0.0	4322.5
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	10546.2	0.0	10546.2
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	14868.7	0.0	14868.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	501.8	3.4
10°-20°	1197.3	8.1
20°-30°	1656.8	11.1
30°-40°	2302.2	15.5
40°-50°	3040.5	20.4
50°-60°	3613.2	24.3
60°-70°	2001.8	13.5
70°-80°	498.5	3.4
80°-90°	56.7	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°	14868.7	100.0
0°-180°	14868.7	100.0

**Coefficient of Utilization**



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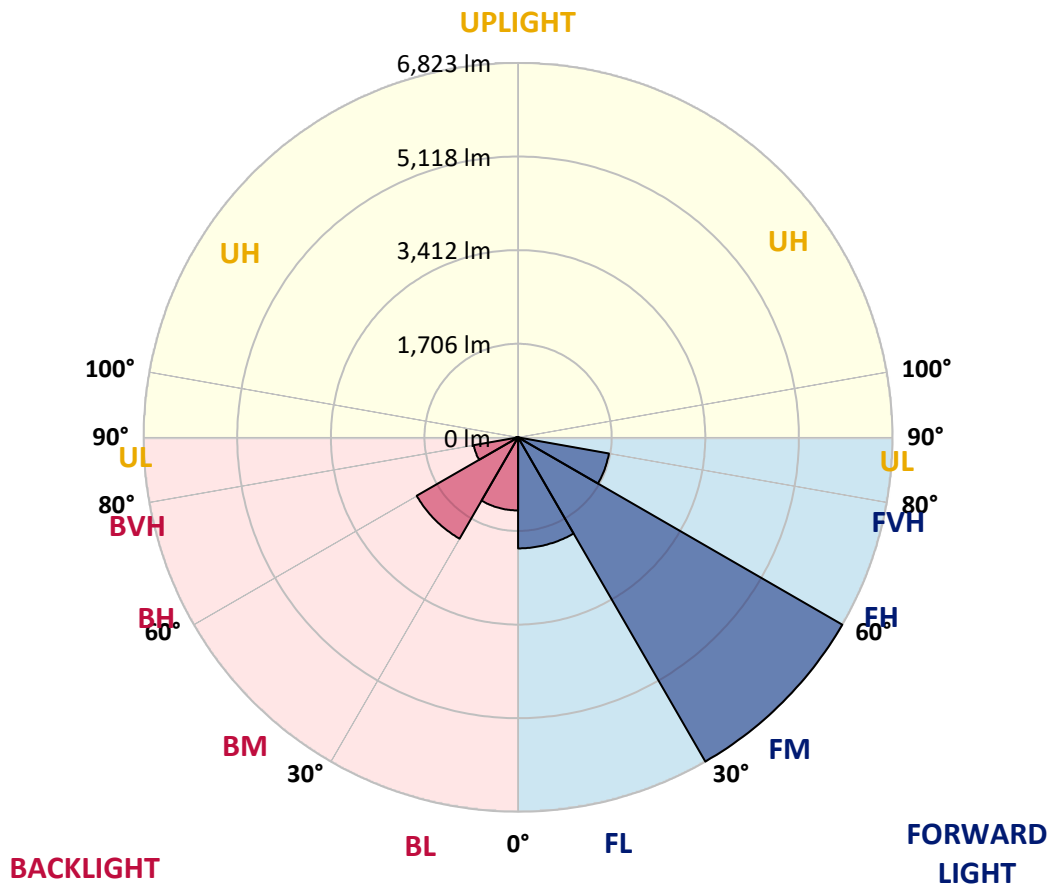
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2023.9	13.6			
FM (30°-60°)	6823.5	45.9			
FH (60°-80°)	1681.1	11.3			G1/1800
FVH (80°-90°)	17.7	0.1			G1/100
BL (0°-30°)	1332.0	9.0	B3/2500		
BM (30°-60°)	2132.4	14.3	B2/2500		
BH (60°-80°)	819.1	5.5	B2/1000		G2/1000
BVH (80°-90°)	38.9	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°	5708.4	5708.4	5708.4	5708.4	5708.4	5708.4	5708.4	5708.4	5708.4	5708.4	5708.4
2.5°	5601.5	5613.0	5620.6	5647.3	5670.2	5690.6	5712.2	5712.2	5711.0	5707.2	5699.5
5°	5380.1	5392.8	5410.6	5447.5	5497.1	5532.8	5591.3	5596.4	5621.9	5632.1	5627.0
7.5°	5123.0	5126.8	5149.7	5198.0	5277.0	5340.6	5424.6	5434.8	5495.9	5531.5	5525.2
10°	4841.7	4828.9	4869.7	4940.9	5044.0	5151.0	5259.1	5268.0	5366.1	5433.5	5428.4
12.5°	4584.6	4585.8	4626.6	4713.1	4841.7	4974.0	5119.1	5139.5	5260.4	5347.0	5338.1
15°	4369.5	4374.6	4424.2	4522.2	4668.6	4826.4	5007.1	5026.2	5179.0	5293.5	5268.0
17.5°	4197.6	4202.7	4246.0	4358.0	4514.6	4705.5	4925.7	4944.8	5134.4	5270.6	5218.4
20°	4079.3	4076.7	4118.7	4225.6	4387.3	4594.7	4854.4	4882.4	5120.4	5279.5	5185.3
22.5°	4030.9	4029.6	4060.2	4148.0	4299.5	4509.5	4811.1	4849.3	5135.7	5319.0	5165.0
25°	4055.1	4050.0	4076.7	4141.6	4262.6	4476.4	4823.8	4864.6	5200.6	5400.4	5168.8
27.5°	4130.2	4123.8	4146.7	4205.3	4296.9	4510.7	4912.9	4960.0	5338.1	5549.3	5219.7
30°	4244.7	4240.9	4263.8	4319.8	4400.0	4625.3	5083.5	5137.0	5550.6	5781.0	5330.4
32.5°	4378.4	4372.0	4412.7	4477.7	4570.6	4834.0	5312.6	5382.6	5802.6	6078.8	5516.2
35°	4528.6	4523.5	4579.5	4673.7	4807.3	5124.2	5590.1	5666.4	6059.7	6416.1	5763.2
37.5°	4674.9	4674.9	4783.1	4923.1	5091.1	5439.9	5851.0	5899.3	6237.9	6715.2	6027.9
40°	4804.8	4812.4	4975.3	5185.3	5399.1	5725.0	6022.8	6063.5	6316.8	6921.4	6258.3
42.5°	4948.6	4954.9	5144.6	5419.5	5674.1	5955.4	6127.2	6147.5	6332.1	7024.5	6421.2
45°	5063.1	5072.0	5307.5	5601.5	5913.3	6128.4	6209.9	6227.7	6353.7	7080.5	6539.6
47.5°	5123.0	5135.7	5405.5	5747.9	6075.0	6283.7	6346.1	6353.7	6442.8	7178.5	6682.1
50°	5112.8	5138.2	5442.4	5820.4	6194.6	6440.3	6565.0	6577.7	6624.8	7322.3	6848.8
52.5°	5203.1	5214.6	5521.3	5907.0	6365.2	6729.2	6945.6	6963.4	6941.8	7430.5	6948.1
55°	5052.9	5107.7	5423.3	5894.3	6624.8	7176.0	7509.4	7500.5	7229.4	7551.4	7113.6
57.5°	4086.9	4167.1	4456.0	5003.3	6197.2	7489.1	7930.7	7909.1	7452.1	7644.3	7293.0
60°	2829.4	2842.1	3103.0	3491.2	4783.1	6615.9	7807.3	7854.3	7492.9	7527.2	6960.9
62.5°	2263.0	2259.2	2283.4	2293.6	3042.0	4650.7	6162.8	6334.6	6225.2	5865.0	4933.3
65°	1932.1	1946.1	2017.4	1980.5	1985.5	2619.4	3682.2	3706.3	3630.0	3500.2	2609.2
67.5°	1512.1	1536.2	1662.3	1806.1	1760.3	1686.4	1910.4	1899.0	1496.8	1158.2	957.1
70°	947.0	962.2	1097.1	1417.9	1532.4	1384.8	1228.2	1223.1	801.9	659.3	722.9
72.5°	552.4	554.9	593.1	790.4	1017.0	947.0	903.7	870.6	515.5	525.7	576.6
75°	304.2	304.2	302.9	341.1	400.9	355.1	343.7	334.7	344.9	390.7	428.9
77.5°	63.6	64.9	68.7	90.4	117.1	142.6	179.5	180.7	225.3	260.9	291.5
80°	29.3	30.5	38.2	48.4	62.4	82.7	109.5	110.7	136.2	164.2	184.6
82.5°	15.3	16.5	20.4	25.5	33.1	43.3	61.1	61.1	81.5	96.7	109.5
85°	5.1	5.1	7.6	10.2	14.0	17.8	24.2	24.2	35.6	47.1	54.7
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	5.1	5.1	6.4	7.6	12.7
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°	5708.4	5708.4	5708.4	5708.4	5708.4	5708.4	5708.4	5708.4	5708.4	5708.4	5708.4
2.5°	5683.0	5643.5	5644.8	5652.4	5628.2	5591.3	5567.2	5536.6	5517.5	5513.7	5527.7
5°	5601.5	5555.7	5523.9	5490.8	5422.1	5340.6	5277.0	5224.8	5190.4	5177.7	5162.4
7.5°	5489.5	5429.7	5349.5	5256.6	5131.9	4986.8	4884.9	4789.5	4723.3	4704.2	4695.3
10°	5377.5	5291.0	5148.4	4975.3	4767.8	4571.8	4387.3	4246.0	4134.0	4070.4	4090.7
12.5°	5261.7	5154.8	4932.0	4666.0	4377.1	4081.8	3840.0	3605.8	3425.1	3334.7	3308.0
15°	5159.9	5014.8	4704.2	4344.0	3959.6	3588.0	3238.0	2886.7	2657.6	2532.8	2498.5
17.5°	5073.3	4884.9	4463.6	4015.6	3556.2	3026.7	2596.5	2270.6	2114.1	2045.4	2040.3
20°	4988.0	4757.7	4225.6	3661.8	3090.3	2497.2	2112.8	1960.1	1904.1	1879.9	1878.6
22.5°	4911.7	4624.0	3974.9	3308.0	2627.0	2098.8	1887.5	1821.4	1806.1	1806.1	1803.5
25°	4846.8	4490.4	3717.8	2932.5	2208.3	1868.4	1770.4	1742.4	1748.8	1760.3	1761.5
27.5°	4820.0	4386.0	3469.6	2546.8	1919.4	1734.8	1690.3	1686.4	1704.3	1722.1	1724.6
30°	4848.0	4314.7	3215.0	2177.7	1746.3	1653.3	1633.0	1640.6	1662.3	1680.1	1680.1
32.5°	4934.6	4279.1	2955.4	1907.9	1645.7	1596.1	1589.7	1597.3	1613.9	1624.1	1625.3
35°	5080.9	4293.1	2686.8	1725.9	1580.8	1554.1	1552.8	1557.9	1564.3	1570.6	1571.9
37.5°	5265.5	4355.5	2399.2	1620.3	1538.8	1523.5	1521.0	1519.7	1521.0	1521.0	1522.2
40°	5446.2	4449.6	2142.1	1557.9	1509.5	1496.8	1490.4	1481.5	1480.2	1477.7	1476.4
42.5°	5579.9	4522.2	1937.2	1513.3	1482.8	1467.5	1459.9	1445.9	1444.6	1443.3	1442.1
45°	5680.4	4583.3	1766.6	1470.1	1454.8	1440.8	1424.2	1411.5	1414.1	1416.6	1416.6
47.5°	5793.7	4636.7	1641.9	1429.3	1420.4	1406.4	1386.1	1377.2	1386.1	1395.0	1395.0
50°	5931.2	4711.8	1540.1	1388.6	1384.8	1368.2	1350.4	1346.6	1356.8	1369.5	1369.5
52.5°	6031.7	4776.8	1467.5	1347.9	1347.9	1326.2	1311.0	1309.7	1321.1	1333.9	1335.1
55°	6220.1	4928.2	1442.1	1300.8	1295.7	1279.1	1267.7	1258.8	1272.8	1284.2	1284.2
57.5°	6432.6	5129.3	1448.4	1233.3	1227.0	1221.9	1213.0	1202.8	1206.6	1219.3	1220.6
60°	5982.1	4739.8	1378.4	1165.9	1162.1	1159.5	1148.1	1130.2	1135.3	1145.5	1146.8
62.5°	4178.5	3150.1	1115.0	1081.9	1094.6	1093.3	1078.0	1057.7	1059.0	1073.0	1073.0
65°	2168.8	1704.3	978.8	1005.5	1024.6	1017.0	991.5	973.7	971.1	989.0	985.1
67.5°	935.5	930.4	890.9	925.3	945.7	929.1	902.4	873.1	875.7	882.0	876.9
70°	753.5	776.4	792.9	829.9	846.4	815.9	786.6	770.0	756.0	754.8	745.9
72.5°	602.0	633.8	670.8	708.9	714.0	683.5	646.6	631.3	609.7	608.4	599.5
75°	453.1	479.8	509.1	539.7	539.7	510.4	486.2	478.6	453.1	445.5	437.8
77.5°	309.3	325.8	348.7	356.4	364.0	352.6	328.4	315.7	286.4	278.7	268.6
80°	194.7	206.2	220.2	225.3	232.9	218.9	199.8	185.8	165.5	159.1	154.0
82.5°	117.1	124.7	133.6	136.2	142.6	132.4	114.6	104.4	92.9	87.8	84.0
85°	59.8	63.6	68.7	70.0	68.7	58.5	52.2	47.1	39.5	38.2	35.6
87.5°	15.3	17.8	19.1	17.8	16.5	12.7	8.9	6.4	2.5	2.5	1.3
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)