

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: P639354

Luminaire Tested: GWS-SA5B-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639354  
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-SA5B-760-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

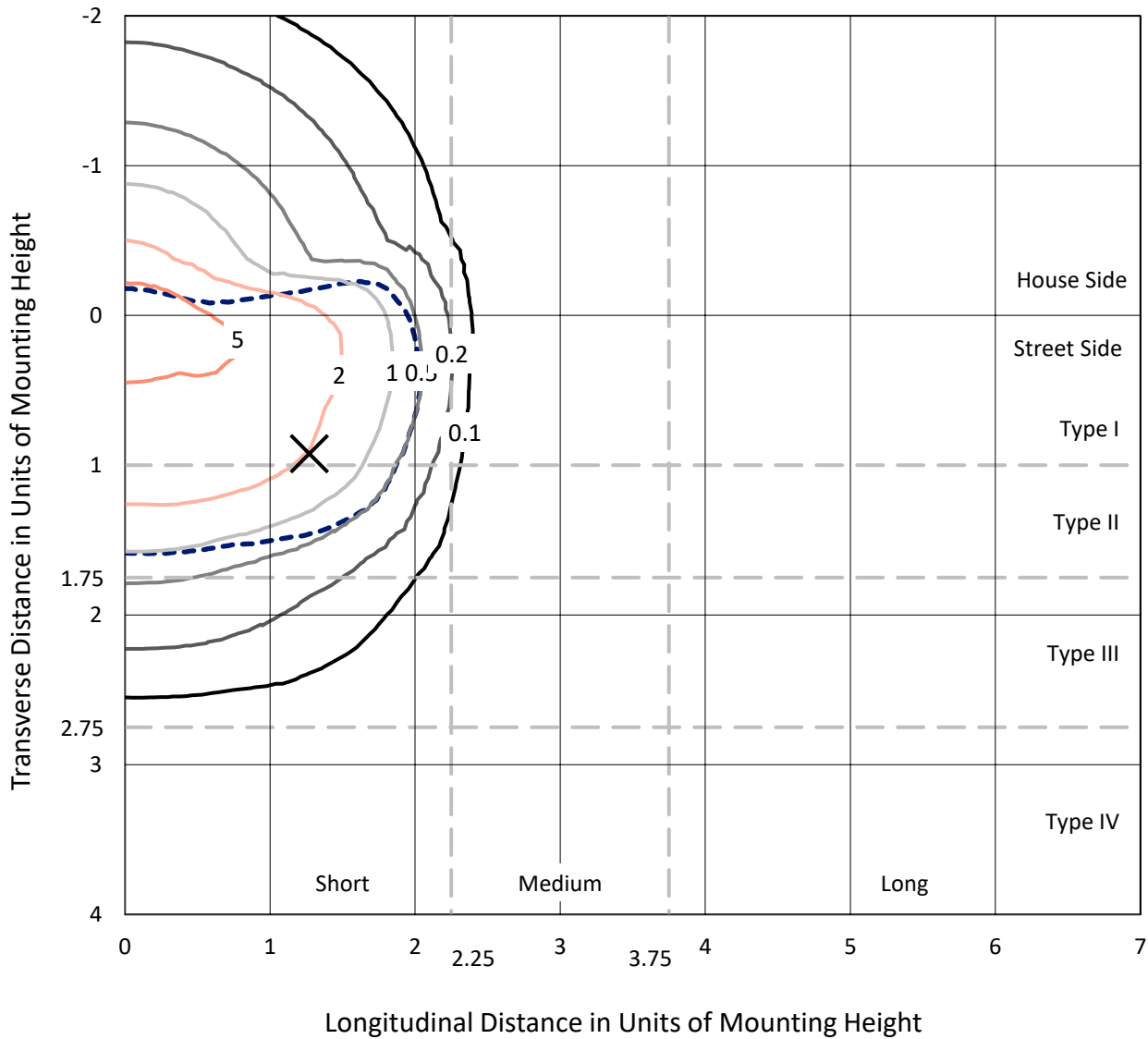
Lumens per Lamp: N/A  
Luminaire Lumens: 15001.9 lumens  
Efficiency: N/A  
Efficacy: 129.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): 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

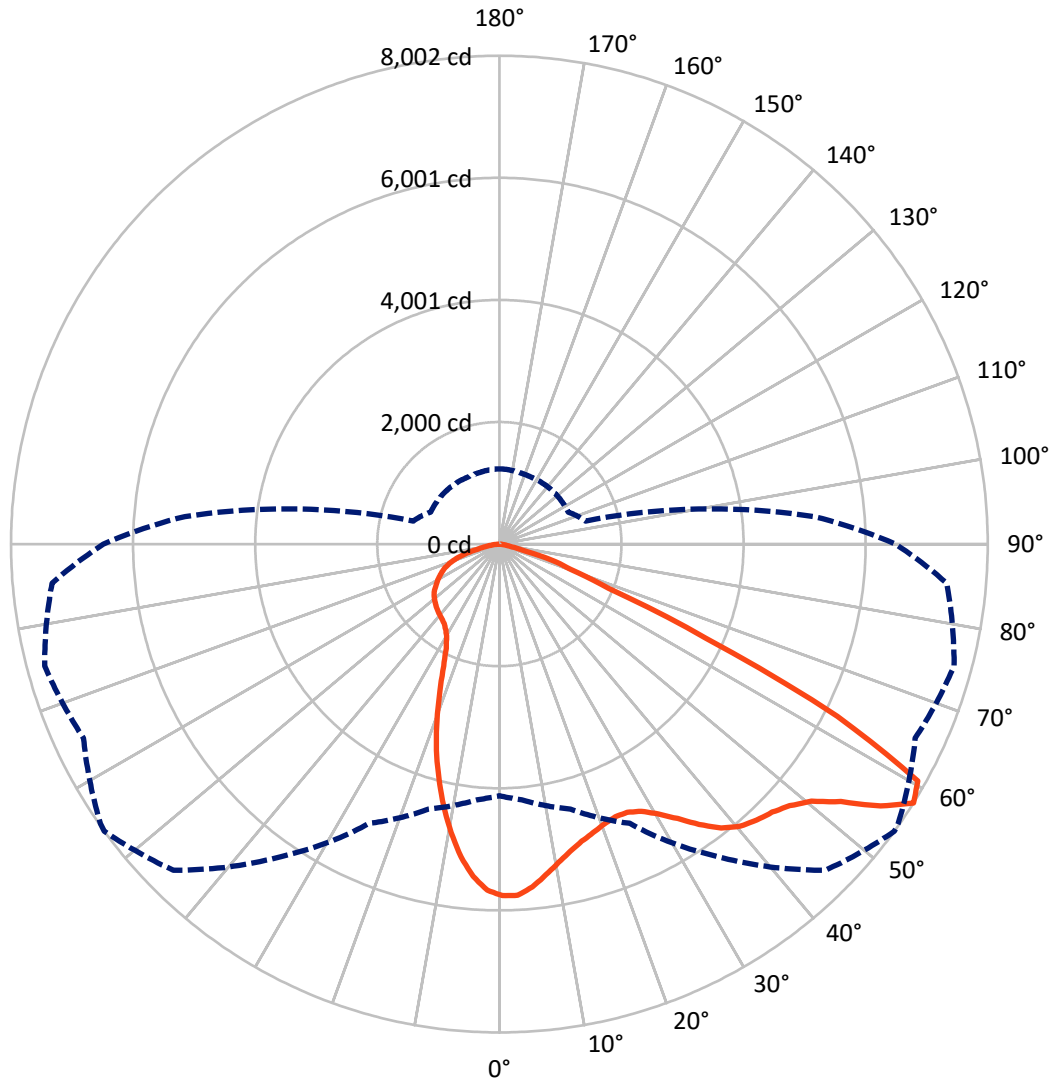
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	4361.2	0.0	4361.2
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	10640.7	0.0	10640.7
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	15001.9	0.0	15001.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	506.3	3.4
10°-20°	1208.0	8.1
20°-30°	1671.7	11.1
30°-40°	2322.8	15.5
40°-50°	3067.7	20.4
50°-60°	3645.6	24.3
60°-70°	2019.7	13.5
70°-80°	502.9	3.4
80°-90°	57.2	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°	15001.9	100.0
0°-180°	15001.9	100.0

**Coefficient of Utilization**



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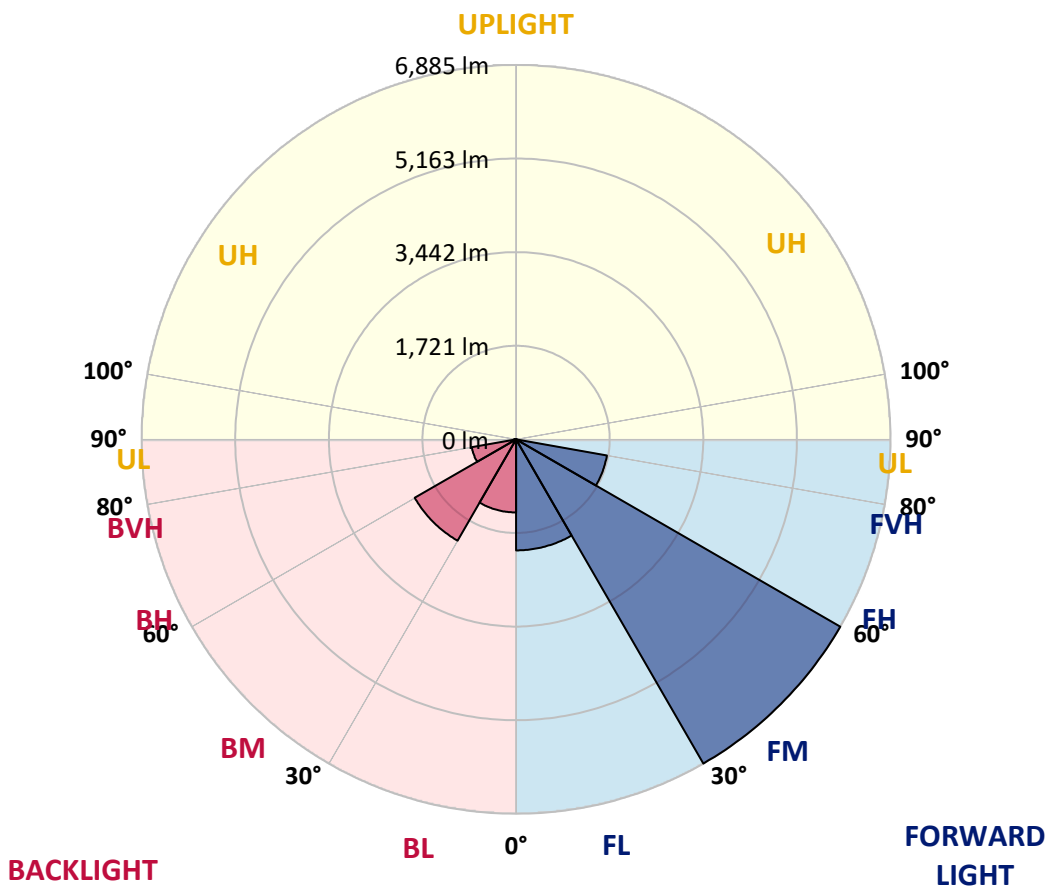
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2042.0	13.6			
FM (30°-60°)	6884.6	45.9			
FH (60°-80°)	1696.2	11.3			G1/1800
FVH (80°-90°)	17.9	0.1			G1/100
BL (0°-30°)	1343.9	9.0	B3/2500		
BM (30°-60°)	2151.5	14.3	B2/2500		
BH (60°-80°)	826.5	5.5	B2/1000		G2/1000
BVH (80°-90°)	39.3	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°	5759.6	5759.6	5759.6	5759.6	5759.6	5759.6	5759.6	5759.6	5759.6	5759.6	5759.6
2.5°	5651.7	5663.3	5671.0	5697.9	5721.0	5741.6	5763.4	5763.4	5762.1	5758.3	5750.6
5°	5428.3	5441.1	5459.1	5496.3	5546.4	5582.4	5641.4	5646.6	5672.2	5682.5	5677.4
7.5°	5168.8	5172.7	5195.8	5244.6	5324.2	5388.4	5473.2	5483.5	5545.1	5581.1	5574.6
10°	4885.0	4872.2	4913.3	4985.2	5089.2	5197.1	5306.3	5315.2	5414.1	5482.2	5477.0
12.5°	4625.6	4626.9	4668.0	4755.3	4885.0	5018.6	5165.0	5185.5	5307.5	5394.9	5385.9
15°	4408.6	4413.7	4463.8	4562.7	4710.4	4869.6	5052.0	5071.2	5225.3	5340.9	5315.2
17.5°	4235.2	4240.4	4284.0	4397.0	4555.0	4747.6	4969.8	4989.1	5180.4	5317.8	5265.2
20°	4115.8	4113.2	4155.6	4263.5	4426.6	4635.9	4897.9	4926.1	5166.3	5326.8	5231.8
22.5°	4067.0	4065.7	4096.6	4185.2	4338.0	4549.9	4854.2	4892.7	5181.7	5366.6	5211.2
25°	4091.4	4086.3	4113.2	4178.7	4300.7	4516.5	4867.1	4908.2	5247.2	5448.8	5215.1
27.5°	4167.2	4160.8	4183.9	4242.9	4335.4	4551.2	4957.0	5004.5	5385.9	5599.0	5266.4
30°	4282.8	4278.9	4302.0	4358.5	4439.4	4666.7	5129.0	5183.0	5600.3	5832.8	5378.2
32.5°	4417.6	4411.2	4452.3	4517.8	4611.5	4877.3	5360.2	5430.8	5854.6	6133.3	5565.7
35°	4569.1	4564.0	4620.5	4715.5	4850.4	5170.1	5640.1	5717.2	6114.0	6473.6	5814.8
37.5°	4716.8	4716.8	4826.0	4967.2	5136.7	5488.6	5903.4	5952.2	6293.8	6775.4	6081.9
40°	4847.8	4855.5	5019.9	5231.8	5447.5	5776.3	6076.8	6117.9	6373.4	6983.4	6314.3
42.5°	4992.9	4999.3	5190.7	5468.1	5724.9	6008.7	6182.1	6202.6	6388.8	7087.4	6478.7
45°	5108.5	5117.5	5355.1	5651.7	5966.3	6183.4	6265.5	6283.5	6410.7	7143.9	6598.1
47.5°	5168.8	5181.7	5453.9	5799.4	6129.4	6340.0	6402.9	6410.7	6500.5	7242.8	6742.0
50°	5158.6	5184.3	5491.2	5872.6	6250.1	6498.0	6623.8	6636.7	6684.2	7387.9	6910.2
52.5°	5249.7	5261.3	5570.8	5959.9	6422.2	6789.5	7007.8	7025.8	7003.9	7497.1	7010.4
55°	5098.2	5153.4	5471.9	5947.1	6684.2	7240.2	7576.7	7567.7	7294.2	7619.1	7177.3
57.5°	4123.5	4204.4	4495.9	5048.1	6252.7	7556.1	8001.8	7979.9	7518.9	7712.8	7358.4
60°	2854.7	2867.6	3130.8	3522.5	4826.0	6675.2	7877.2	7924.7	7560.0	7594.7	7023.2
62.5°	2283.3	2279.4	2303.8	2314.1	3069.2	4692.4	6218.0	6391.4	6280.9	5917.5	4977.5
65°	1949.4	1963.5	2035.4	1998.2	2003.3	2642.9	3715.1	3739.5	3662.5	3531.5	2632.6
67.5°	1525.6	1550.0	1677.1	1822.3	1776.0	1701.5	1927.6	1916.0	1510.2	1168.6	965.7
70°	955.4	970.8	1107.0	1430.6	1546.2	1397.2	1239.2	1234.1	809.0	665.2	729.4
72.5°	557.3	559.9	598.4	797.5	1026.1	955.4	911.8	878.4	520.1	530.4	581.7
75°	306.9	306.9	305.6	344.2	404.5	358.3	346.7	337.7	348.0	394.2	432.8
77.5°	64.2	65.5	69.3	91.2	118.1	143.8	181.1	182.4	227.3	263.3	294.1
80°	29.5	30.8	38.5	48.8	62.9	83.5	110.4	111.7	137.4	165.7	186.2
82.5°	15.4	16.7	20.5	25.7	33.4	43.7	61.6	61.6	82.2	97.6	110.4
85°	5.1	5.1	7.7	10.3	14.1	18.0	24.4	24.4	36.0	47.5	55.2
87.5°	0.0	0.0	0.0	0.0	1.3	2.6	5.1	5.1	6.4	7.7	12.8
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°	5759.6	5759.6	5759.6	5759.6	5759.6	5759.6	5759.6	5759.6	5759.6	5759.6	5759.6
2.5°	5733.9	5694.1	5695.4	5703.1	5678.7	5641.4	5617.0	5586.2	5566.9	5563.1	5577.2
5°	5651.7	5605.5	5573.4	5540.0	5470.6	5388.4	5324.2	5271.6	5236.9	5224.1	5208.7
7.5°	5538.7	5478.3	5397.4	5303.7	5177.8	5031.4	4928.7	4832.4	4765.6	4746.3	4737.4
10°	5425.7	5338.4	5194.5	5019.9	4810.6	4612.8	4426.6	4284.0	4171.0	4106.8	4127.4
12.5°	5308.8	5200.9	4976.2	4707.8	4416.3	4118.4	3874.4	3638.1	3455.7	3364.6	3337.6
15°	5206.1	5059.7	4746.3	4382.9	3995.1	3620.1	3267.0	2912.5	2681.4	2555.5	2520.9
17.5°	5118.8	4928.7	4503.6	4051.6	3588.0	3053.8	2619.7	2291.0	2133.0	2063.7	2058.5
20°	5032.7	4800.3	4263.5	3694.6	3118.0	2519.6	2131.7	1977.6	1921.1	1896.7	1895.5
22.5°	4955.7	4665.4	4010.5	3337.6	2650.6	2117.6	1904.4	1837.7	1822.3	1822.3	1819.7
25°	4890.2	4530.6	3751.1	2958.8	2228.1	1885.2	1786.3	1758.0	1764.5	1776.0	1777.3
27.5°	4863.2	4425.3	3500.7	2569.7	1936.6	1750.3	1705.4	1701.5	1719.5	1737.5	1740.1
30°	4891.5	4353.4	3243.9	2197.2	1761.9	1668.2	1647.6	1655.3	1677.1	1695.1	1695.1
32.5°	4978.8	4317.4	2981.9	1925.0	1660.5	1610.4	1603.9	1611.7	1628.3	1638.6	1639.9
35°	5126.5	4331.6	2710.9	1741.4	1595.0	1568.0	1566.7	1571.8	1578.3	1584.7	1586.0
37.5°	5312.7	4394.5	2420.7	1634.8	1552.6	1537.2	1534.6	1533.3	1534.6	1534.6	1535.9
40°	5495.0	4489.5	2161.3	1571.8	1523.0	1510.2	1503.8	1494.8	1493.5	1490.9	1489.7
42.5°	5629.9	4562.7	1954.5	1526.9	1496.1	1480.7	1473.0	1458.8	1457.6	1456.3	1455.0
45°	5731.3	4624.4	1782.4	1483.2	1467.8	1453.7	1437.0	1424.2	1426.7	1429.3	1429.3
47.5°	5845.6	4678.3	1656.6	1442.1	1433.2	1419.0	1398.5	1389.5	1398.5	1407.5	1407.5
50°	5984.3	4754.1	1553.9	1401.0	1397.2	1380.5	1362.5	1358.7	1368.9	1381.8	1381.8
52.5°	6085.8	4819.5	1480.7	1360.0	1360.0	1338.1	1322.7	1321.4	1333.0	1345.8	1347.1
55°	6275.8	4972.4	1455.0	1312.4	1307.3	1290.6	1279.0	1270.1	1284.2	1295.7	1295.7
57.5°	6490.3	5175.3	1461.4	1244.4	1238.0	1232.8	1223.8	1213.6	1217.4	1230.2	1231.5
60°	6035.7	4782.3	1390.8	1176.3	1172.5	1169.9	1158.3	1140.4	1145.5	1155.8	1157.1
62.5°	4216.0	3178.4	1124.9	1091.6	1104.4	1103.1	1087.7	1067.2	1068.4	1082.6	1082.6
65°	2188.3	1719.5	987.5	1014.5	1033.8	1026.1	1000.4	982.4	979.8	997.8	994.0
67.5°	943.9	938.7	898.9	933.6	954.1	937.5	910.5	881.0	883.5	889.9	884.8
70°	760.2	783.4	800.0	837.3	854.0	823.2	793.6	776.9	762.8	761.5	752.5
72.5°	607.4	639.5	676.8	715.3	720.4	689.6	652.4	637.0	615.1	613.8	604.9
75°	457.2	484.1	513.7	544.5	544.5	515.0	490.6	482.9	457.2	449.5	441.8
77.5°	312.1	328.8	351.9	359.6	367.3	355.7	331.3	318.5	288.9	281.2	271.0
80°	196.5	208.0	222.2	227.3	235.0	220.9	201.6	187.5	166.9	160.5	155.4
82.5°	118.1	125.9	134.8	137.4	143.8	133.6	115.6	105.3	93.7	88.6	84.8
85°	60.4	64.2	69.3	70.6	69.3	59.1	52.7	47.5	39.8	38.5	36.0
87.5°	15.4	18.0	19.3	18.0	16.7	12.8	9.0	6.4	2.6	2.6	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)