

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: P635779

Luminaire Tested: GWS-SA3E-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635779  
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-SA3E-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

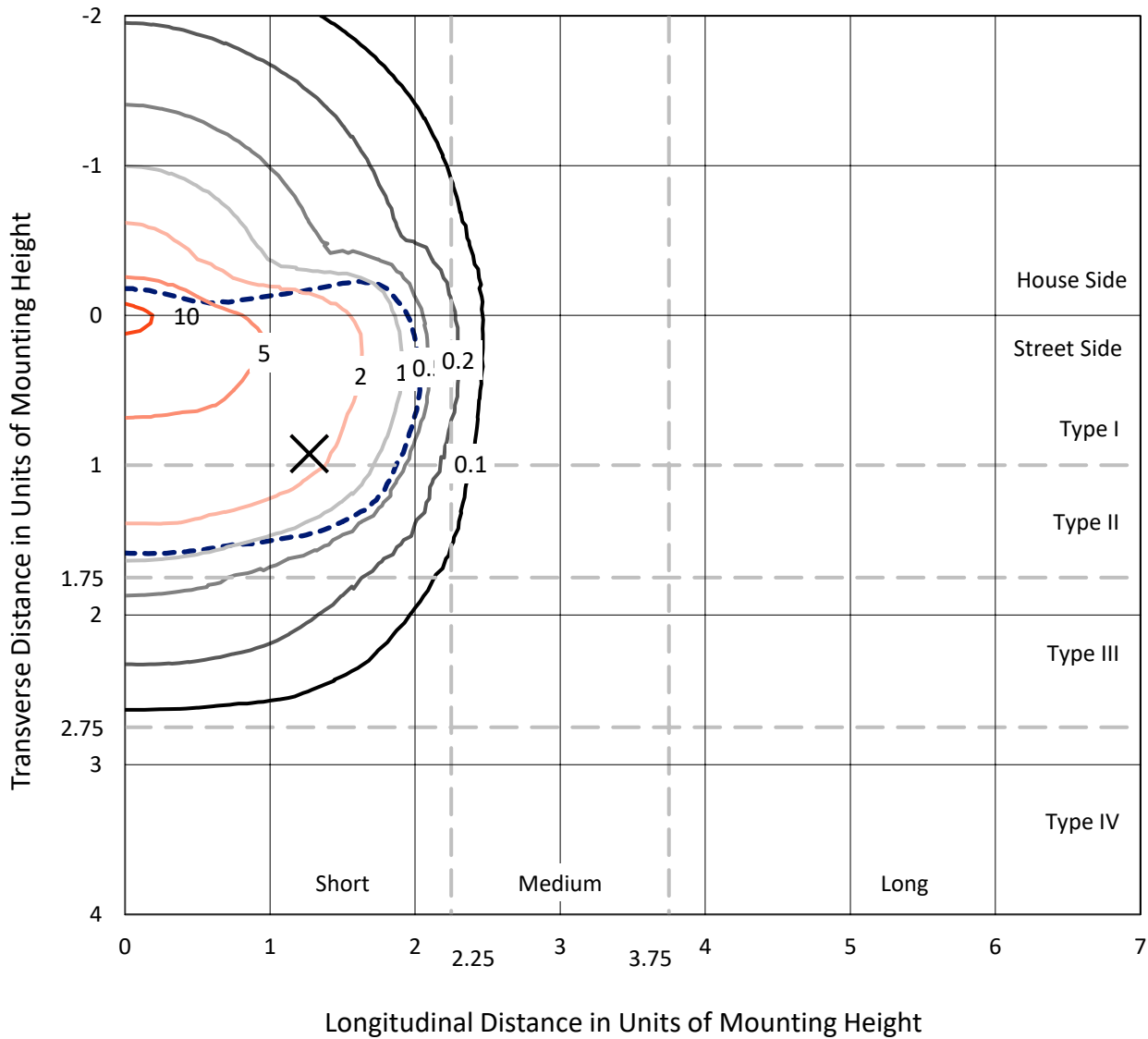
Lumens per Lamp: N/A  
Luminaire Lumens: 18416.8 lumens  
Efficiency: N/A  
Efficacy: 115.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

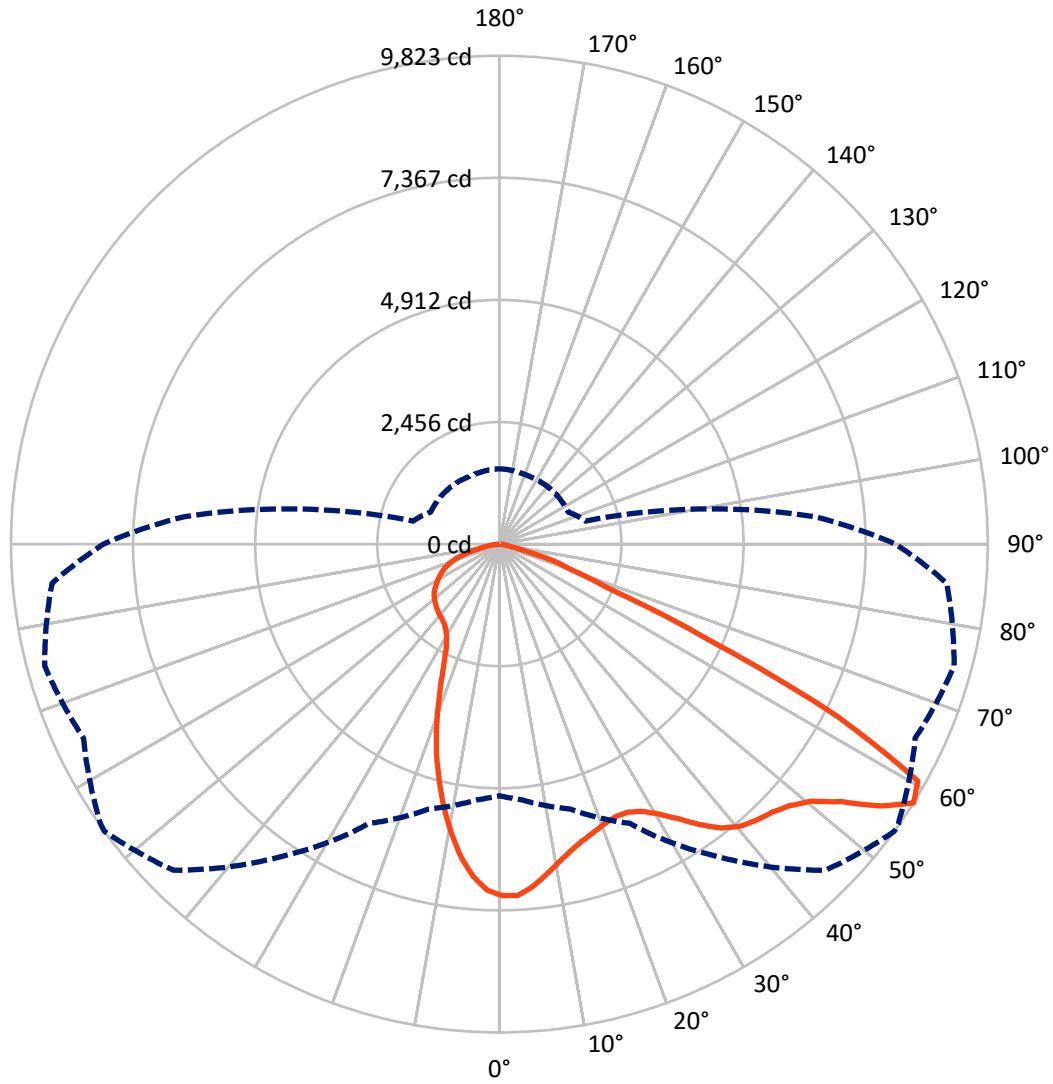
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 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	5354.0	0.0	5354.0
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	13062.8	0.0	13062.8
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	18416.8	0.0	18416.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	621.5	3.4
10°-20°	1483.0	8.1
20°-30°	2052.2	11.1
30°-40°	2851.6	15.5
40°-50°	3766.1	20.4
50°-60°	4475.4	24.3
60°-70°	2479.4	13.5
70°-80°	617.4	3.4
80°-90°	70.2	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°	18416.8	100.0
0°-180°	18416.8	100.0

**Coefficient of Utilization**



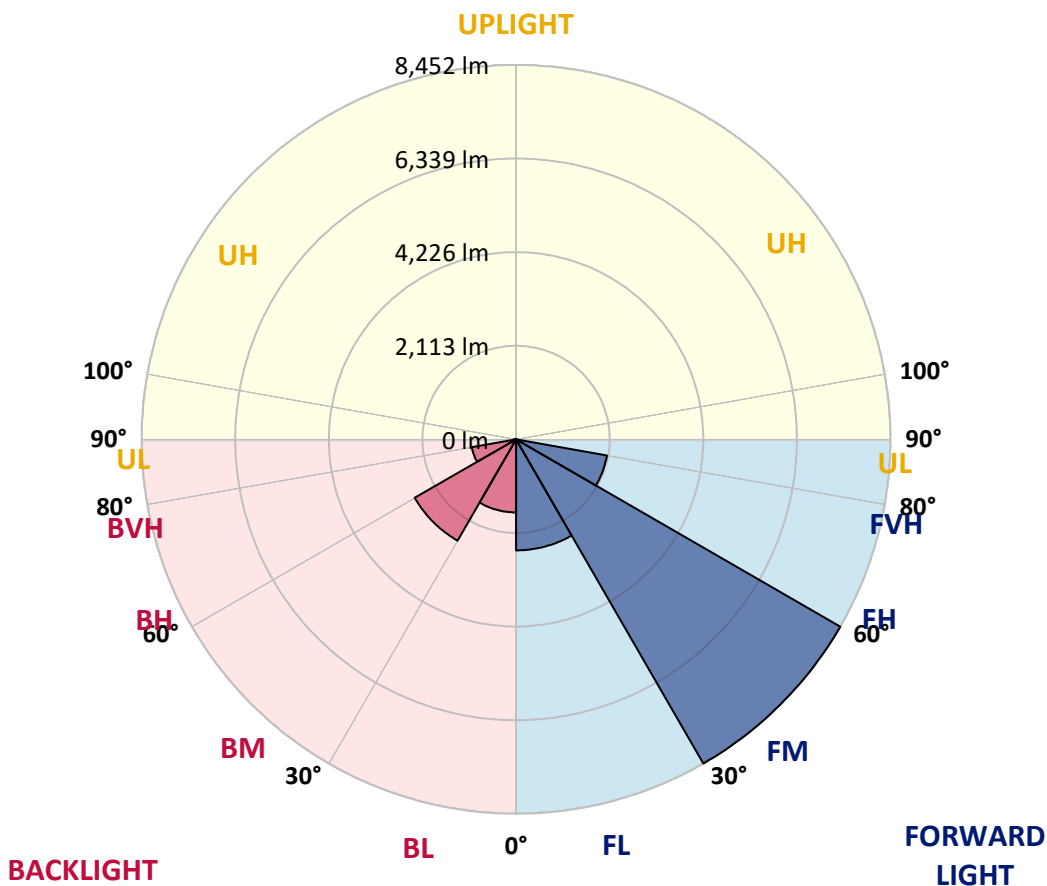
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2506.8	13.6			
FM (30°-60°)	8451.8	45.9			
FH (60°-80°)	2082.3	11.3			G2/5000
FVH (80°-90°)	22.0	0.1			G1/100
BL (0°-30°)	1649.9	9.0	B3/2500		
BM (30°-60°)	2641.2	14.3	B3/5000		
BH (60°-80°)	1014.6	5.5	B3/2500		G3/2500
BVH (80°-90°)	48.2	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-G3**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7070.6	7070.6	7070.6	7070.6	7070.6	7070.6	7070.6	7070.6	7070.6	7070.6	7070.6
2.5°	6938.2	6952.4	6961.8	6995.0	7023.3	7048.6	7075.4	7075.4	7073.8	7069.1	7059.6
5°	6663.9	6679.7	6701.7	6747.4	6808.9	6853.1	6925.6	6931.9	6963.4	6976.0	6969.7
7.5°	6345.4	6350.2	6378.5	6438.4	6536.2	6615.0	6719.1	6731.7	6807.4	6851.5	6843.6
10°	5997.0	5981.3	6031.7	6120.0	6247.7	6380.1	6514.1	6525.2	6646.5	6730.1	6723.8
12.5°	5678.6	5680.1	5730.6	5837.8	5997.0	6161.0	6340.7	6365.9	6515.7	6622.9	6611.9
15°	5412.1	5418.4	5479.9	5601.3	5782.6	5978.1	6202.0	6225.6	6414.8	6556.7	6525.2
17.5°	5199.3	5205.6	5259.2	5398.0	5591.9	5828.3	6101.1	6124.7	6359.6	6528.3	6463.7
20°	5052.7	5049.5	5101.6	5234.0	5434.2	5691.2	6012.8	6047.5	6342.3	6539.3	6422.7
22.5°	4992.8	4991.2	5029.1	5137.8	5325.4	5585.6	5959.2	6006.5	6361.2	6588.2	6397.5
25°	5022.7	5016.4	5049.5	5129.9	5279.7	5544.6	5975.0	6025.4	6441.6	6689.1	6402.2
27.5°	5115.8	5107.9	5136.3	5208.8	5322.3	5587.1	6085.3	6143.6	6611.9	6873.6	6465.2
30°	5257.6	5252.9	5281.3	5350.7	5450.0	5729.0	6296.6	6362.8	6875.1	7160.5	6602.4
32.5°	5423.2	5415.3	5465.7	5546.1	5661.2	5987.6	6580.3	6667.0	7187.3	7529.4	6832.6
35°	5609.2	5602.9	5672.3	5788.9	5954.5	6347.0	6924.0	7018.6	7505.7	7947.2	7138.4
37.5°	5790.5	5790.5	5924.5	6097.9	6306.0	6738.0	7247.2	7307.1	7726.5	8317.6	7466.3
40°	5951.3	5960.8	6162.6	6422.7	6687.5	7091.1	7460.0	7510.5	7824.2	8573.0	7751.7
42.5°	6129.5	6137.3	6372.2	6712.8	7028.1	7376.5	7589.3	7614.5	7843.1	8700.7	7953.5
45°	6271.3	6282.4	6574.0	6938.2	7324.4	7590.9	7691.8	7713.8	7869.9	8770.1	8100.1
47.5°	6345.4	6361.2	6695.4	7119.5	7524.7	7783.2	7860.5	7869.9	7980.3	8891.5	8276.7
50°	6332.8	6364.4	6741.1	7209.4	7672.9	7977.1	8131.6	8147.4	8205.7	9069.6	8483.2
52.5°	6444.8	6458.9	6838.9	7316.6	7884.1	8335.0	8603.0	8625.1	8598.3	9203.6	8606.1
55°	6258.7	6326.5	6717.5	7300.8	8205.7	8888.3	9301.4	9290.3	8954.6	9353.4	8811.1
57.5°	5062.2	5161.5	5519.3	6197.2	7676.0	9276.2	9823.2	9796.4	9230.4	9468.5	9033.4
60°	3504.6	3520.3	3843.5	4324.4	5924.5	8194.7	9670.3	9728.6	9280.9	9323.5	8621.9
62.5°	2803.0	2798.3	2828.3	2840.9	3767.8	5760.6	7633.4	7846.3	7710.7	7264.5	6110.5
65°	2393.1	2410.5	2498.8	2453.0	2459.3	3244.4	4560.8	4590.8	4496.2	4335.4	3231.8
67.5°	1872.9	1902.8	2058.9	2237.1	2180.3	2088.9	2366.3	2352.1	1854.0	1434.6	1185.5
70°	1172.9	1191.8	1358.9	1756.2	1898.1	1715.2	1521.3	1515.0	993.2	816.6	895.5
72.5°	684.2	687.4	734.7	979.0	1259.6	1172.9	1119.3	1078.3	638.5	651.1	714.2
75°	376.8	376.8	375.2	422.5	496.6	439.8	425.7	414.6	427.2	484.0	531.3
77.5°	78.8	80.4	85.1	111.9	145.0	176.6	222.3	223.9	279.0	323.2	361.0
80°	36.3	37.8	47.3	59.9	77.2	102.5	135.6	137.2	168.7	203.4	228.6
82.5°	18.9	20.5	25.2	31.5	41.0	53.6	75.7	75.7	100.9	119.8	135.6
85°	6.3	6.3	9.5	12.6	17.3	22.1	30.0	30.0	44.1	58.3	67.8
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	6.3	6.3	7.9	9.5	15.8
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°	7070.6	7070.6	7070.6	7070.6	7070.6	7070.6	7070.6	7070.6	7070.6	7070.6	7070.6
2.5°	7039.1	6990.2	6991.8	7001.3	6971.3	6925.6	6895.6	6857.8	6834.2	6829.4	6846.8
5°	6938.2	6881.4	6842.0	6801.0	6715.9	6615.0	6536.2	6471.6	6429.0	6413.2	6394.3
7.5°	6799.5	6725.4	6626.1	6511.0	6356.5	6176.7	6050.6	5932.4	5850.4	5826.8	5815.7
10°	6660.7	6553.5	6377.0	6162.6	5905.6	5662.8	5434.2	5259.2	5120.5	5041.7	5066.9
12.5°	6517.3	6384.8	6109.0	5779.5	5421.6	5055.9	4756.3	4466.2	4242.4	4130.4	4097.3
15°	6391.2	6211.4	5826.8	5380.6	4904.5	4444.2	4010.6	3575.5	3291.7	3137.2	3094.7
17.5°	6284.0	6050.6	5528.8	4973.9	4404.8	3748.9	3216.1	2812.5	2618.6	2533.4	2527.1
20°	6178.3	5893.0	5234.0	4535.6	3827.8	3093.1	2617.0	2427.8	2358.5	2328.5	2326.9
22.5°	6083.7	5727.4	4923.4	4097.3	3253.9	2599.7	2338.0	2256.0	2237.1	2237.1	2233.9
25°	6003.3	5561.9	4605.0	3632.3	2735.2	2314.3	2192.9	2158.2	2166.1	2180.3	2181.9
27.5°	5970.2	5432.6	4297.6	3154.6	2377.4	2148.8	2093.6	2088.9	2110.9	2133.0	2136.2
30°	6004.9	5344.4	3982.3	2697.4	2163.0	2047.9	2022.7	2032.1	2058.9	2081.0	2081.0
32.5°	6112.1	5300.2	3660.6	2363.2	2038.4	1976.9	1969.1	1978.5	1999.0	2011.6	2013.2
35°	6293.4	5317.6	3328.0	2137.7	1958.0	1924.9	1923.3	1929.6	1937.5	1945.4	1947.0
37.5°	6522.0	5394.8	2971.7	2006.9	1906.0	1887.1	1883.9	1882.3	1883.9	1883.9	1885.5
40°	6745.9	5511.5	2653.3	1929.6	1869.7	1854.0	1846.1	1835.1	1833.5	1830.3	1828.7
42.5°	6911.4	5601.3	2399.4	1874.5	1836.6	1817.7	1808.3	1790.9	1789.3	1787.8	1786.2
45°	7035.9	5677.0	2188.2	1820.9	1801.9	1784.6	1764.1	1748.3	1751.5	1754.7	1754.7
47.5°	7176.3	5743.2	2033.7	1770.4	1759.4	1742.0	1716.8	1705.8	1716.8	1727.9	1727.9
50°	7346.5	5836.2	1907.6	1720.0	1715.2	1694.7	1672.7	1667.9	1680.6	1696.3	1696.3
52.5°	7471.1	5916.6	1817.7	1669.5	1669.5	1642.7	1623.8	1622.2	1636.4	1652.2	1653.8
55°	7704.4	6104.2	1786.2	1611.2	1604.9	1584.4	1570.2	1559.2	1576.5	1590.7	1590.7
57.5°	7967.7	6353.3	1794.1	1527.6	1519.8	1513.4	1502.4	1489.8	1494.5	1510.3	1511.9
60°	7409.6	5870.9	1707.4	1444.1	1439.3	1436.2	1422.0	1399.9	1406.2	1418.9	1420.4
62.5°	5175.7	3901.9	1381.0	1340.0	1355.8	1354.2	1335.3	1310.1	1311.7	1329.0	1329.0
65°	2686.4	2110.9	1212.3	1245.4	1269.1	1259.6	1228.1	1206.0	1202.9	1224.9	1220.2
67.5°	1158.7	1152.4	1103.6	1146.1	1171.3	1150.8	1117.7	1081.5	1084.6	1092.5	1086.2
70°	933.3	961.7	982.2	1027.9	1048.4	1010.5	974.3	953.8	936.4	934.9	923.8
72.5°	745.7	785.1	830.8	878.1	884.4	846.6	800.9	781.9	755.1	753.6	742.5
75°	561.2	594.3	630.6	668.4	668.4	632.2	602.2	592.8	561.2	551.8	542.3
77.5°	383.1	403.6	432.0	441.4	450.9	436.7	406.7	391.0	354.7	345.3	332.6
80°	241.2	255.4	272.7	279.0	288.5	271.2	247.5	230.2	204.9	197.1	190.8
82.5°	145.0	154.5	165.5	168.7	176.6	164.0	141.9	129.3	115.1	108.8	104.0
85°	74.1	78.8	85.1	86.7	85.1	72.5	64.6	58.3	48.9	47.3	44.1
87.5°	18.9	22.1	23.6	22.1	20.5	15.8	11.0	7.9	3.2	3.2	1.6
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)