

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: P635830

Luminaire Tested: GWS-SA3E-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635830  
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-SA3E-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

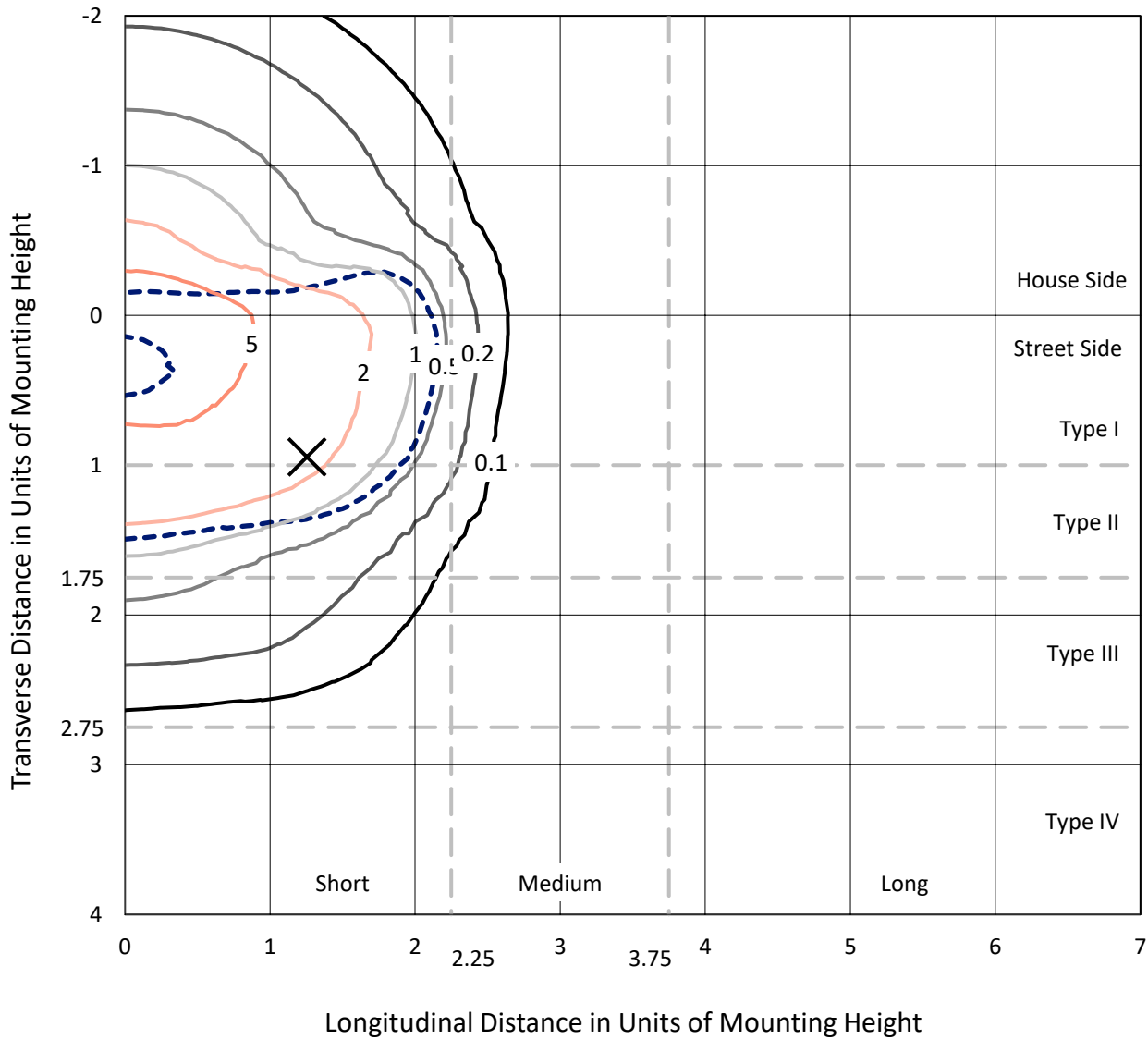
Lumens per Lamp: N/A  
Luminaire Lumens: 19159.7 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

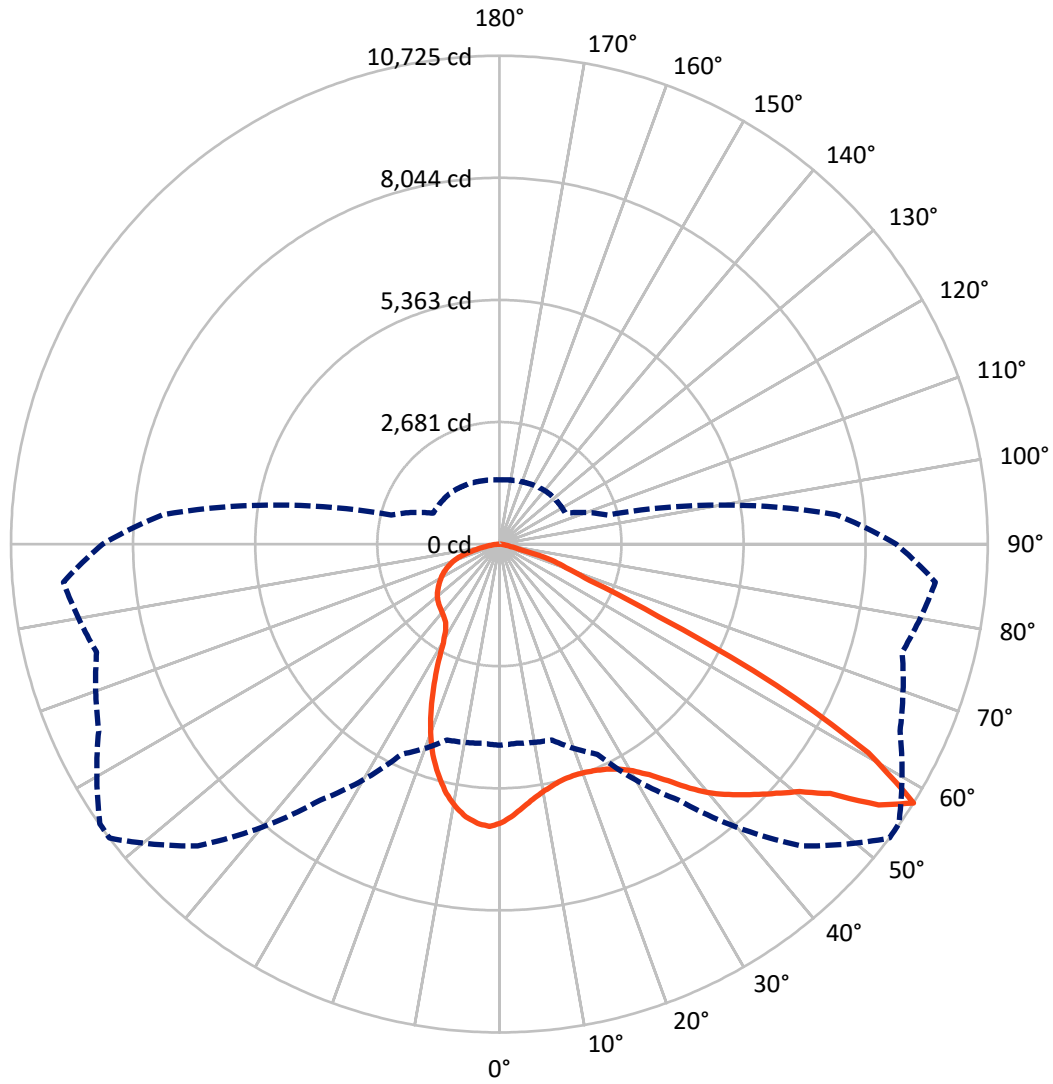
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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	5990.5	0.0	5990.5
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	13169.2	0.0	13169.2
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	19159.7	0.0	19159.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	553.3	2.9
10°-20°	1451.5	7.6
20°-30°	2138.6	11.2
30°-40°	2993.5	15.6
40°-50°	3935.2	20.5
50°-60°	4614.0	24.1
60°-70°	2718.1	14.2
70°-80°	676.2	3.5
80°-90°	79.3	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°	19159.7	100.0
0°-180°	19159.7	100.0

**Coefficient of Utilization**



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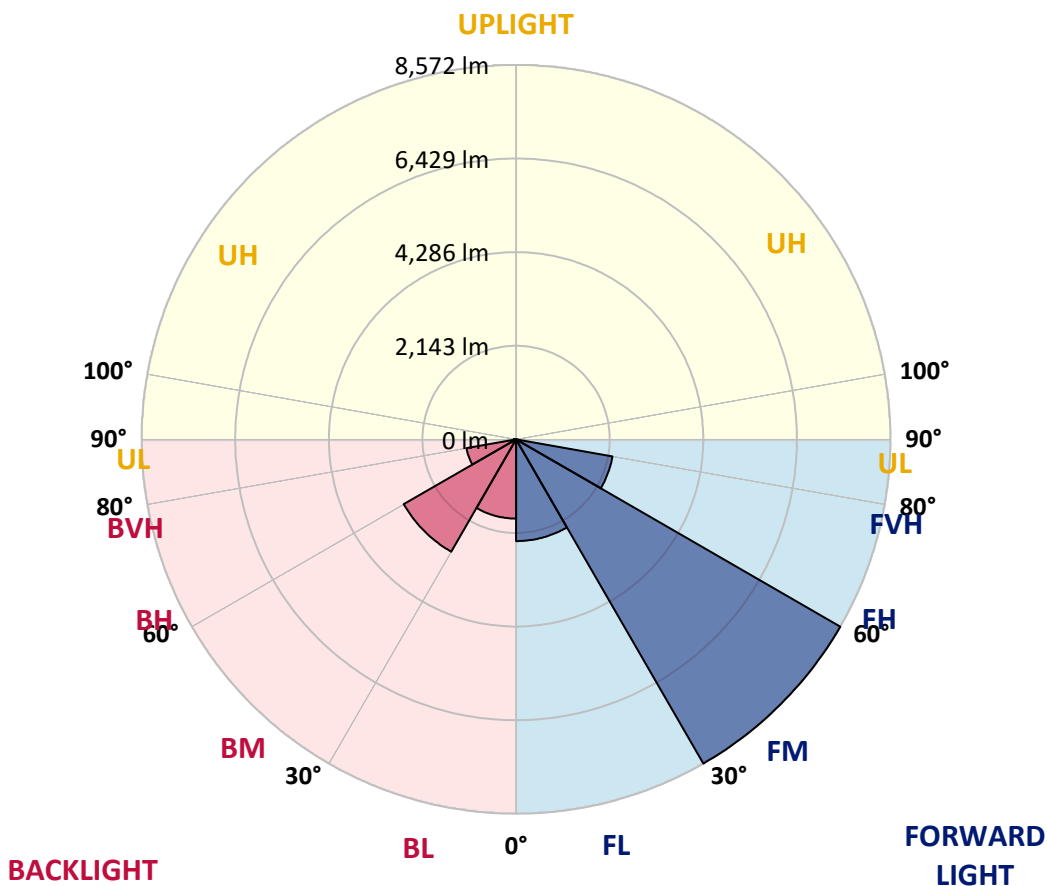
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2329.4	12.2			
FM (30°-60°)	8572.2	44.7			
FH (60°-80°)	2241.0	11.7			G2/5000
FVH (80°-90°)	26.5	0.1			G1/100
BL (0°-30°)	1814.0	9.5	B3/2500		
BM (30°-60°)	2970.4	15.5	B3/5000		
BH (60°-80°)	1153.4	6.0	B3/2500		G3/2500
BVH (80°-90°)	52.8	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°	53°	55°	65°	75°	85°
0°	6118.2	6118.2	6118.2	6118.2	6118.2	6118.2	6118.2	6118.2	6118.2	6118.2	6118.2
2.5°	5766.7	5782.8	5786.0	5836.0	5839.2	5911.8	5960.2	5950.5	6000.5	6061.8	6110.1
5°	5490.9	5492.5	5508.6	5568.3	5600.6	5695.7	5776.3	5776.3	5873.1	5998.9	6106.9
7.5°	5263.5	5261.9	5276.4	5342.5	5395.8	5510.3	5619.9	5632.8	5768.3	5952.1	6127.9
10°	5052.3	5063.6	5079.7	5160.3	5228.1	5370.0	5500.6	5521.5	5692.5	5919.9	6156.9
12.5°	4916.8	4918.4	4942.6	5032.9	5120.0	5271.6	5408.7	5434.5	5631.2	5889.2	6177.9
15°	4829.7	4831.4	4857.2	4957.1	5058.7	5211.9	5352.2	5381.3	5595.7	5884.4	6218.2
17.5°	4791.0	4789.4	4813.6	4913.6	5024.9	5184.5	5334.5	5370.0	5611.9	5921.5	6289.1
20°	4791.0	4792.7	4805.6	4895.9	5008.7	5178.1	5352.2	5395.8	5674.7	6005.3	6398.8
22.5°	4858.8	4865.2	4871.7	4932.9	5021.6	5187.7	5399.0	5457.0	5810.2	6145.6	6542.3
25°	4991.0	4992.6	4999.1	5049.1	5089.4	5215.2	5476.4	5563.5	6021.5	6350.4	6722.9
27.5°	5168.4	5191.0	5197.4	5229.7	5229.7	5282.9	5597.3	5723.1	6306.9	6645.5	6953.5
30°	5416.7	5424.8	5436.1	5471.6	5432.9	5410.3	5774.7	5936.0	6637.5	7001.9	7230.9
32.5°	5634.4	5652.2	5713.4	5771.5	5702.2	5631.2	6036.0	6226.3	6955.1	7372.8	7526.0
35°	5819.9	5863.4	5981.1	6110.1	6061.8	5990.8	6382.7	6581.0	7216.4	7638.9	7787.3
37.5°	6044.0	6077.9	6239.2	6448.8	6492.3	6458.5	6805.2	6947.1	7390.6	7706.6	7929.2
40°	6271.4	6323.0	6531.0	6821.3	6987.4	7011.6	7195.4	7290.6	7450.2	7574.4	7901.7
42.5°	6503.6	6592.3	6877.7	7216.4	7511.5	7566.3	7524.4	7564.7	7430.9	7392.2	7774.4
45°	6787.4	6892.3	7214.8	7647.0	8035.6	8121.1	7846.9	7809.8	7427.6	7322.8	7695.3
47.5°	7122.9	7227.7	7535.7	8038.8	8535.5	8598.4	8177.5	8109.8	7540.5	7429.3	7801.8
50°	7419.6	7492.1	7767.9	8330.7	9001.5	9038.6	8541.9	8459.7	7821.1	7724.4	8134.0
52.5°	7118.0	7110.0	7400.2	8093.6	9243.4	9690.1	9103.1	9024.1	8363.0	8214.6	8648.4
55°	6039.2	5947.3	6206.9	6889.0	8567.8	10269.0	10109.4	9951.4	9085.4	8708.0	9130.5
57.5°	4415.3	4389.5	4452.4	5092.6	6863.2	9372.4	10725.4	10710.9	9709.5	9159.6	9611.1
60°	3452.6	3413.9	3246.2	3263.9	4678.2	7321.2	9307.9	9735.3	10096.5	9430.5	9946.5
62.5°	3065.6	3036.5	2949.4	2709.2	2786.6	4908.8	6822.9	7214.8	8822.5	8329.1	8543.6
65°	2538.2	2530.2	2602.7	2593.1	2335.0	2710.8	3850.9	4246.0	5547.3	5616.7	5547.3
67.5°	1844.8	1830.3	2014.1	2377.0	2248.0	2046.4	2146.4	2283.4	2844.6	2554.4	2299.6
70°	1199.8	1178.8	1285.2	1717.4	2012.5	1783.5	1546.5	1523.9	1564.2	972.4	1051.4
72.5°	804.7	780.5	778.9	945.0	1215.9	1201.4	1198.2	1186.9	1059.5	767.6	851.5
75°	448.3	429.0	424.1	408.0	435.4	443.5	472.5	488.6	528.9	582.1	645.0
77.5°	75.8	74.2	93.5	119.3	164.5	211.3	261.2	275.8	340.3	403.2	443.5
80°	41.9	43.5	56.4	69.3	91.9	125.8	161.3	170.9	209.6	243.5	275.8
82.5°	22.6	22.6	29.0	37.1	50.0	66.1	87.1	95.1	120.9	141.9	164.5
85°	8.1	8.1	11.3	14.5	21.0	27.4	33.9	38.7	53.2	72.6	82.2
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	6.5	6.5	8.1	14.5	21.0
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°	6118.2	6118.2	6118.2	6118.2	6118.2	6118.2	6118.2	6118.2	6118.2	6118.2	6118.2
2.5°	6150.5	6106.9	6166.6	6194.0	6203.7	6210.1	6168.2	6139.2	6129.5	6098.9	6081.1
5°	6173.0	6144.0	6200.5	6200.5	6160.1	6118.2	6032.7	5973.1	5931.1	5881.2	5873.1
7.5°	6211.7	6190.8	6221.4	6158.5	6056.9	5944.0	5795.7	5679.6	5586.1	5524.8	5526.4
10°	6263.3	6237.5	6213.4	6073.1	5887.6	5679.6	5452.2	5282.9	5128.1	5057.1	5018.4
12.5°	6297.2	6260.1	6158.5	5926.3	5653.8	5374.8	5053.9	4802.3	4578.2	4476.6	4468.5
15°	6339.1	6271.4	6068.2	5736.0	5357.1	4976.5	4563.7	4213.7	3910.6	3752.5	3744.5
17.5°	6394.0	6282.7	5960.2	5518.3	5044.2	4483.0	3963.8	3523.5	3201.0	3078.5	3099.4
20°	6471.4	6295.6	5837.6	5276.4	4655.6	3921.8	3275.2	2870.4	2746.3	2738.2	2722.1
22.5°	6558.5	6303.7	5702.2	5005.5	4184.7	3323.6	2705.9	2533.4	2531.8	2572.1	2581.8
25°	6656.8	6310.1	5549.0	4689.4	3675.1	2726.9	2393.1	2341.5	2381.8	2457.6	2467.3
27.5°	6782.6	6323.0	5363.5	4342.7	3133.3	2356.0	2220.6	2207.7	2256.0	2327.0	2323.8
30°	6968.1	6369.8	5166.8	3944.4	2576.9	2180.2	2115.7	2117.3	2136.7	2170.6	2175.4
32.5°	7156.7	6442.3	4974.9	3496.1	2257.6	2080.3	2051.2	2048.0	2048.0	2062.5	2065.7
35°	7335.7	6524.6	4766.8	3028.5	2102.8	2022.2	2002.9	1993.2	1988.3	1985.1	1980.3
37.5°	7435.7	6564.9	4563.7	2567.3	2020.6	1983.5	1964.1	1951.2	1933.5	1920.6	1917.4
40°	7392.2	6518.1	4328.2	2222.2	1970.6	1946.4	1923.8	1906.1	1881.9	1870.6	1864.2
42.5°	7247.0	6373.0	4071.8	2059.3	1930.3	1906.1	1878.7	1849.7	1833.5	1823.9	1822.2
45°	7093.8	6197.2	3762.2	1964.1	1891.6	1862.6	1830.3	1798.1	1780.3	1775.5	1773.9
47.5°	7089.0	6110.1	3433.2	1888.4	1844.8	1815.8	1775.5	1743.2	1723.9	1717.4	1711.0
50°	7301.9	6198.8	3062.3	1822.2	1796.4	1765.8	1720.6	1685.2	1661.0	1652.9	1651.3
52.5°	7743.7	6532.6	2730.1	1756.1	1731.9	1696.5	1659.4	1623.9	1594.9	1580.3	1578.7
55°	8221.0	6956.8	2523.7	1688.4	1656.1	1625.5	1591.6	1552.9	1520.7	1498.1	1494.9
57.5°	8714.5	7419.6	2460.8	1602.9	1578.7	1557.8	1517.5	1475.5	1438.4	1417.5	1412.6
60°	9120.9	7817.9	2578.5	1512.6	1499.7	1472.3	1435.2	1394.9	1369.1	1353.0	1349.7
62.5°	7635.7	6364.9	2081.9	1414.3	1414.3	1385.2	1343.3	1314.3	1296.5	1285.2	1282.0
65°	4845.9	3941.2	1420.7	1315.9	1314.3	1275.6	1240.1	1220.7	1212.7	1194.9	1191.7
67.5°	2110.9	1801.3	1214.3	1215.9	1209.5	1167.5	1132.0	1117.5	1101.4	1082.1	1080.4
70°	1095.0	1115.9	1086.9	1104.6	1093.3	1043.4	1009.5	986.9	953.0	933.7	935.3
72.5°	883.7	906.3	938.5	965.9	941.8	901.4	848.2	820.8	777.3	756.3	757.9
75°	674.1	698.3	728.9	757.9	738.6	688.6	654.7	627.3	577.3	553.1	558.0
77.5°	464.4	477.3	514.4	512.8	506.4	491.8	441.9	409.6	358.0	329.0	332.2
80°	288.7	296.7	314.5	322.5	319.3	299.9	259.6	235.4	204.8	187.1	188.7
82.5°	174.2	179.0	195.1	196.7	195.1	180.6	150.0	132.2	112.9	103.2	103.2
85°	88.7	91.9	101.6	101.6	91.9	77.4	69.3	61.3	50.0	45.2	45.2
87.5°	24.2	24.2	30.6	25.8	21.0	19.4	9.7	8.1	3.2	1.6	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)