

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: P640373

Luminaire Tested: GWS-SA5D-760-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640373  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5D-760-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

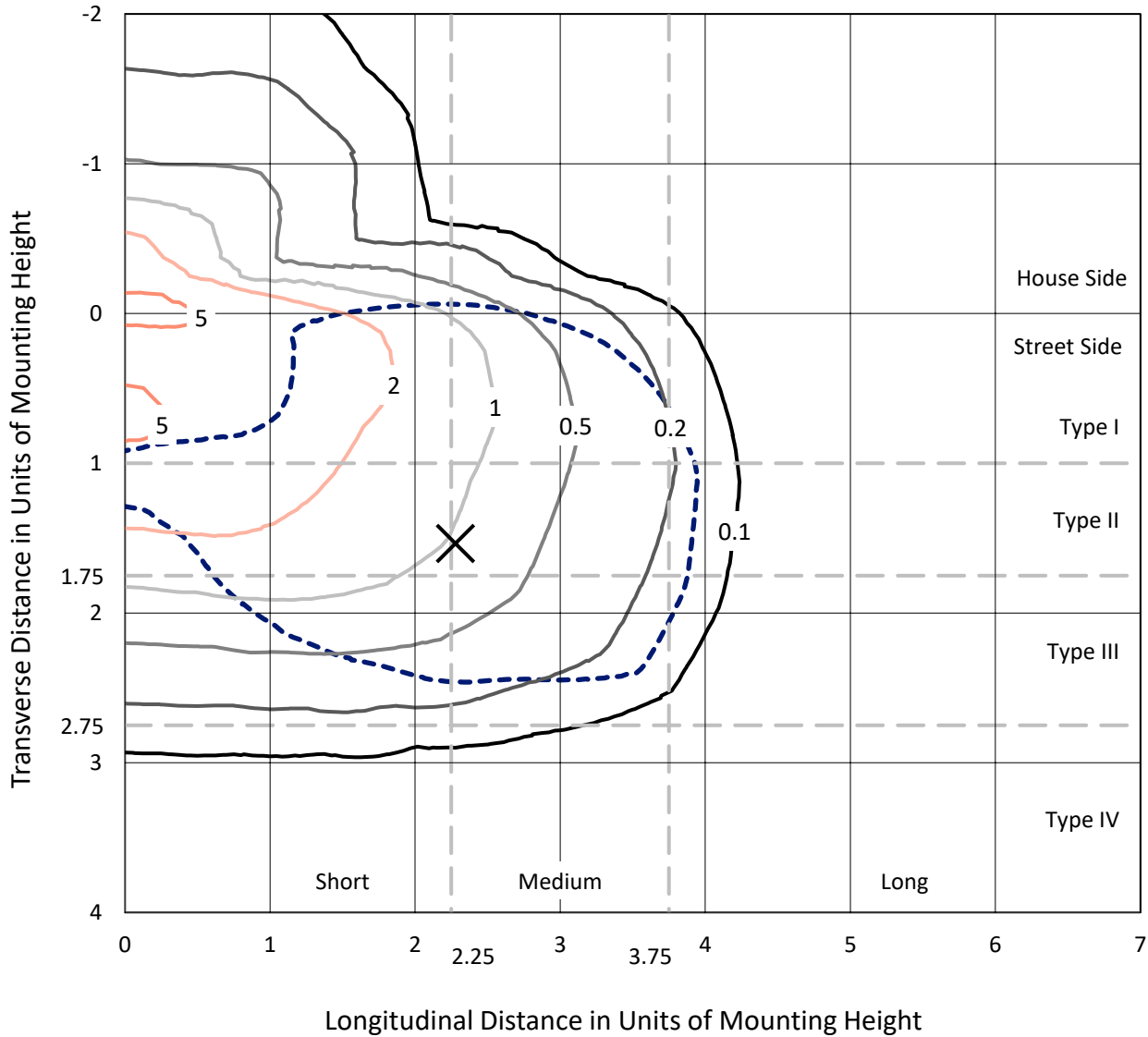
Lumens per Lamp: N/A  
Luminaire Lumens: 30811.2 lumens  
Efficiency: N/A  
Efficacy: 150.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 204.6  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P640373  
 CATALOG NUMBER: GWS-SA5D-760-U-T3R-W

### Iso-Footcandle Lines of Horizontal Illumination

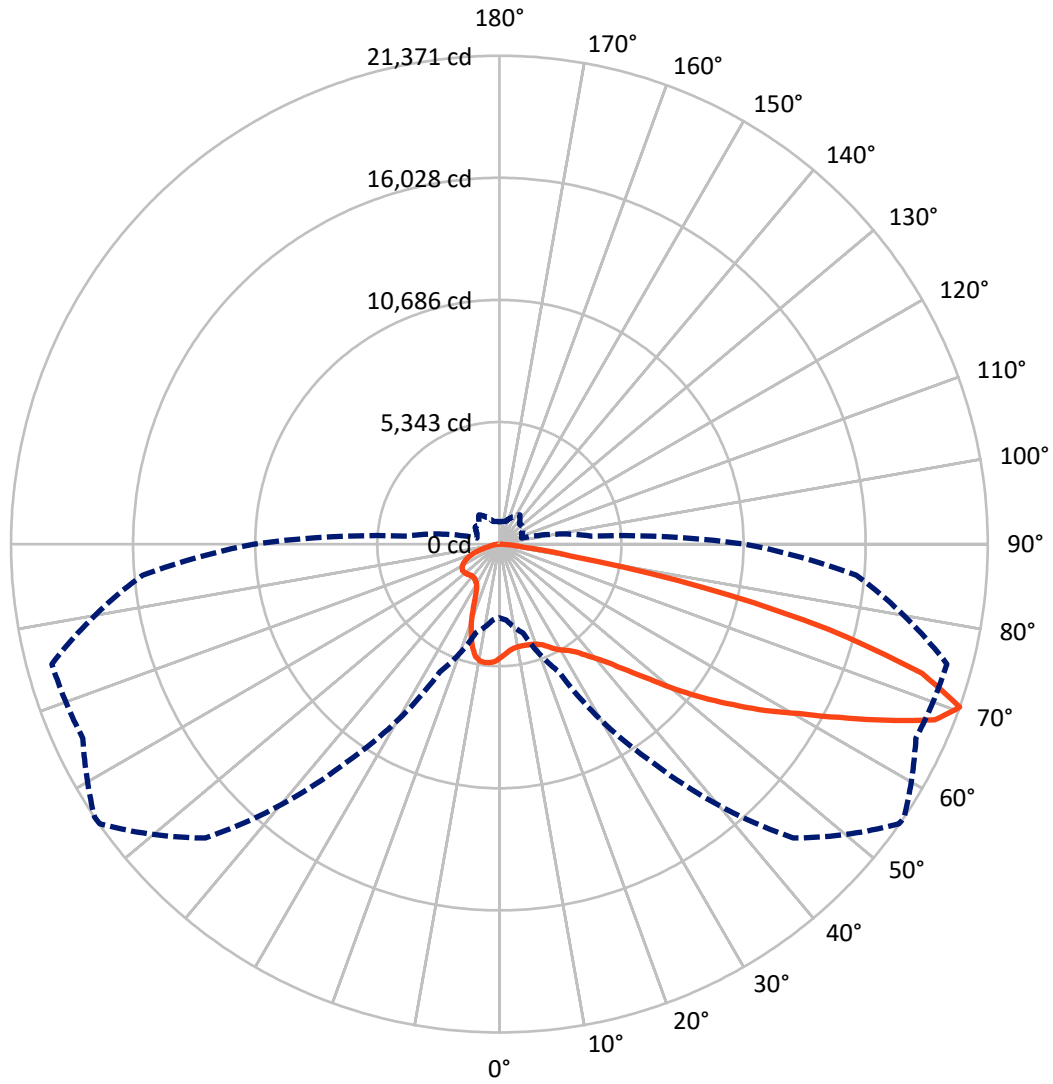
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.7 fc  
 Type III - Medium - N/A

REPORT NUMBER: P640373  
CATALOG NUMBER: GWS-SA5D-760-U-T3R-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P640373

CATALOG NUMBER: GWS-SA5D-760-U-T3R-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5923.5	0.0	5923.5
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	24887.7	0.0	24887.7
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	30811.2	0.0	30811.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	460.2	1.5
10°-20°	1247.0	4.0
20°-30°	2061.7	6.7
30°-40°	3082.5	10.0
40°-50°	4587.1	14.9
50°-60°	6521.5	21.2
60°-70°	8077.1	26.2
70°-80°	4459.9	14.5
80°-90°	314.1	1.0
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°	30811.2	100.0
0°-180°	30811.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P640373

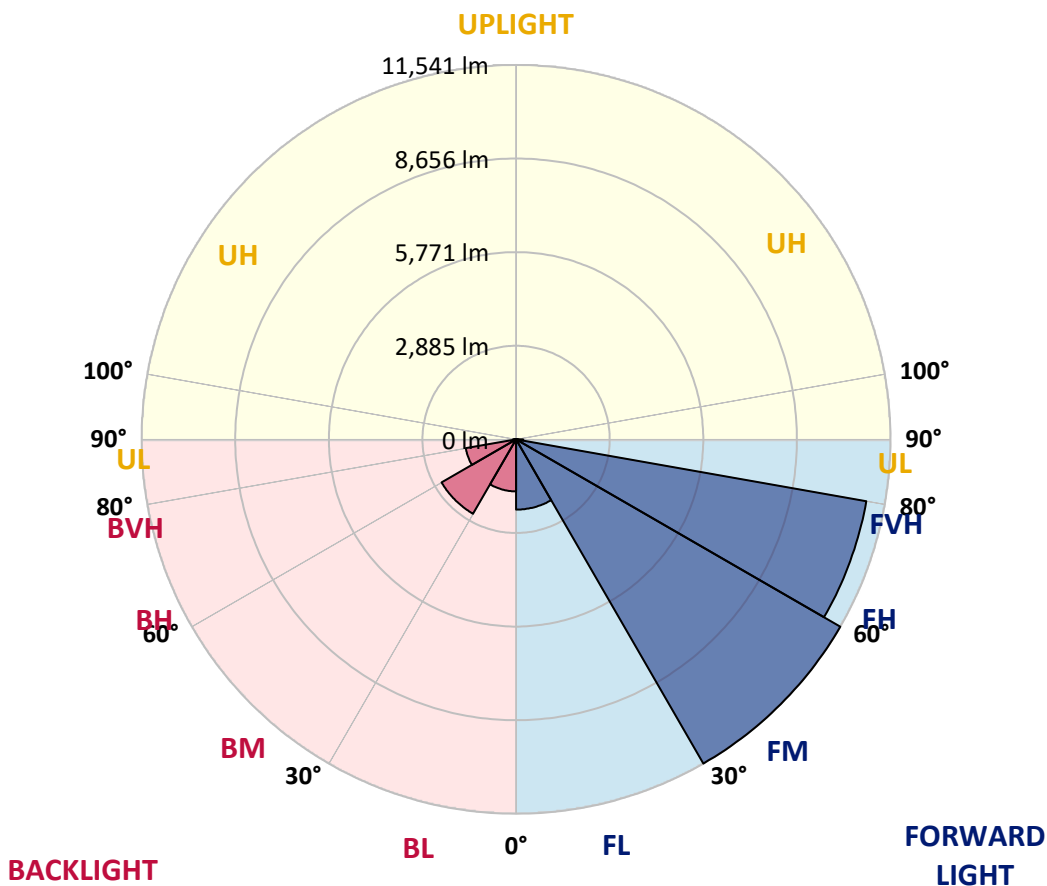
CATALOG NUMBER: GWS-SA5D-760-U-T3R-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2165.4	7.0			
FM (30°-60°)	11541.4	37.5			
FH (60°-80°)	10962.6	35.6			G4/12000
FVH (80°-90°)	218.3	0.7			G2/225
BL (0°-30°)	1603.5	5.2	B3/2500		
BM (30°-60°)	2649.7	8.6	B3/5000		
BH (60°-80°)	1574.4	5.1	B3/2500		G3/2500
BVH (80°-90°)	95.8	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-G4**

Type III Medium





REPORT NUMBER: P640373

CATALOG NUMBER: GWS-SA5D-760-U-T3R-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4973.4	4973.4	4973.4	4973.4	4973.4	4973.4	4973.4	4973.4	4973.4	4973.4	4973.4
2.5°	4654.0	4627.9	4658.4	4673.6	4712.7	4769.2	4819.1	4821.3	4847.4	4910.4	4971.2
5°	4443.3	4430.2	4438.9	4484.5	4525.8	4597.5	4673.6	4680.1	4754.0	4877.8	4999.5
7.5°	4280.3	4262.9	4295.5	4354.2	4406.3	4486.7	4586.7	4595.3	4699.6	4886.5	5073.3
10°	4045.6	4032.6	4093.4	4171.7	4284.6	4417.2	4549.7	4560.6	4697.5	4943.0	5203.7
12.5°	3943.5	3943.5	3969.6	4043.5	4167.3	4343.3	4543.2	4560.6	4732.2	5029.9	5371.0
15°	4102.1	4113.0	4091.3	4086.9	4136.9	4304.2	4551.9	4578.0	4797.4	5119.0	5536.1
17.5°	4421.5	4432.4	4375.9	4286.8	4236.8	4341.1	4584.5	4612.7	4866.9	5216.7	5714.3
20°	4869.1	4882.1	4758.3	4621.4	4449.8	4447.6	4647.5	4673.6	4956.0	5323.2	5903.3
22.5°	5392.7	5401.4	5245.0	5027.7	4764.8	4645.3	4756.1	4782.2	5071.2	5471.0	6107.6
25°	5998.9	6025.0	5836.0	5520.9	5164.6	4916.9	4936.5	4966.9	5277.6	5668.7	6348.7
27.5°	6646.4	6679.0	6461.7	6114.1	5623.1	5216.7	5168.9	5195.0	5497.0	5790.4	6476.9
30°	7309.1	7333.0	7115.7	6718.1	6116.3	5555.7	5364.5	5379.7	5592.6	5849.0	6607.3
32.5°	8045.7	8026.1	7817.5	7359.1	6685.5	5962.0	5547.0	5542.7	5699.1	5966.3	6794.2
35°	8736.6	8764.8	8543.2	8037.0	7311.3	6463.9	5820.8	5803.4	5925.1	6157.5	7057.1
37.5°	9573.1	9564.4	9299.3	8751.8	7939.2	6944.1	6205.3	6174.9	6218.4	6455.2	7424.3
40°	10170.6	10231.4	10059.8	9549.2	8673.6	7535.1	6655.1	6587.7	6598.6	6822.4	7915.3
42.5°	10659.5	10716.0	10733.3	10407.4	9514.4	8265.1	7215.7	7148.3	7154.8	7472.1	8519.3
45°	11035.3	11111.4	11356.9	11261.3	10461.7	9108.1	7974.0	7904.4	7908.8	8260.8	9249.4
47.5°	11189.6	11272.2	11769.7	11997.9	11467.7	10116.3	8916.9	8814.8	8830.0	9218.9	10083.7
50°	11139.6	11250.4	11924.0	12565.0	12310.7	11141.8	10044.6	9972.9	9914.2	10479.1	10989.7
52.5°	10709.4	10831.1	11908.8	12925.6	12999.5	12110.9	11209.2	11167.9	11154.8	11817.5	12002.2
55°	9442.7	9647.0	11385.2	13021.2	13538.3	13023.4	12471.5	12402.0	12469.4	13251.5	13025.6
57.5°	8740.9	8893.0	10359.6	12914.8	13979.4	13892.5	13731.7	13738.2	13814.3	14809.4	14266.2
60°	8341.1	8519.3	9790.4	12623.6	14403.1	14948.5	15050.6	15050.6	15187.5	16488.9	15526.4
62.5°	7811.0	7991.3	9258.0	12063.1	14794.2	16191.3	16708.4	16701.9	16756.2	18290.1	16758.3
65°	6735.5	6902.8	8189.1	11178.7	14985.4	17560.1	18592.1	18572.6	18463.9	19893.6	17573.1
67.5°	4890.8	5049.4	6272.7	9497.0	14296.6	18663.8	20532.4	20541.1	19891.4	20903.9	17616.6
70°	3224.3	3333.0	4032.6	6168.4	11626.3	18188.0	21345.0	21371.1	20110.9	20273.8	15678.5
72.5°	2012.0	2088.0	2518.2	3678.4	6870.2	14396.6	19259.2	19330.9	18092.4	17816.5	12882.2
75°	1336.2	1388.4	1675.2	2144.5	3178.7	7791.4	14639.9	14870.2	14500.9	13966.4	8975.6
77.5°	803.9	847.4	1066.8	1362.3	1407.9	3044.0	8545.4	9140.7	9192.9	7291.7	3758.8
80°	367.2	417.2	588.8	777.8	749.6	1060.3	3013.6	3152.6	3719.7	2316.1	1186.3
82.5°	217.3	239.0	391.1	386.7	319.4	514.9	1084.2	1112.4	945.1	847.4	506.2
85°	86.9	102.1	165.1	145.6	117.3	167.3	408.5	428.0	410.6	369.4	186.9
87.5°	0.0	0.0	0.0	0.0	2.2	4.3	36.9	39.1	56.5	102.1	56.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P640373  
 CATALOG NUMBER: GWS-SA5D-760-U-T3R-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4973.4	4973.4	4973.4	4973.4	4973.4	4973.4	4973.4	4973.4	4973.4	4973.4	4973.4
2.5°	5010.3	4997.3	5062.5	5112.5	5134.2	5155.9	5136.4	5129.8	5129.8	5086.4	5064.7
5°	5064.7	5071.2	5160.3	5201.5	5201.5	5184.2	5132.0	5095.1	5082.0	5025.5	5010.3
7.5°	5166.8	5195.0	5277.6	5275.4	5214.6	5119.0	4988.6	4888.7	4797.4	4758.3	4734.4
10°	5334.1	5371.0	5427.5	5336.2	5166.8	4914.7	4638.8	4421.5	4291.2	4186.9	4186.9
12.5°	5525.3	5560.0	5549.2	5338.4	4988.6	4517.1	4119.5	3869.6	3687.1	3591.5	3591.5
15°	5716.5	5744.7	5627.4	5238.5	4617.1	3989.2	3554.6	3254.8	3096.2	3007.1	3007.1
17.5°	5909.9	5907.7	5660.0	5008.2	4132.6	3404.7	2978.8	2746.3	2692.0	2676.8	2674.6
20°	6096.7	6046.7	5618.7	4623.6	3569.8	2815.9	2546.5	2561.7	2642.1	2676.8	2681.2
22.5°	6307.5	6183.6	5497.0	4132.6	2931.0	2407.4	2424.8	2550.8	2668.1	2720.3	2726.8
25°	6522.6	6300.9	5292.8	3556.8	2396.5	2257.5	2392.2	2533.4	2666.0	2733.3	2739.8
27.5°	6609.5	6300.9	4945.2	2889.7	2111.9	2194.5	2342.2	2479.1	2618.2	2696.4	2711.6
30°	6681.2	6246.6	4458.5	2287.9	1994.6	2133.6	2261.8	2387.8	2524.7	2620.3	2637.7
32.5°	6781.1	6198.8	3869.6	1922.9	1940.3	2075.0	2164.0	2270.5	2394.4	2457.4	2450.9
35°	6898.4	6125.0	3159.2	1749.1	1894.6	2025.0	2088.0	2151.0	2094.5	2092.3	2098.9
37.5°	7065.8	6059.8	2539.9	1670.8	1864.2	1990.2	2042.4	1907.7	1829.4	1796.9	1783.8
40°	7306.9	6033.7	2003.3	1625.2	1859.9	1988.1	1951.1	1742.5	1636.1	1523.1	1520.9
42.5°	7611.1	6014.1	1655.6	1603.5	1875.1	2038.0	1825.1	1633.9	1414.5	1364.5	1360.1
45°	8002.2	5983.7	1481.8	1599.1	1912.0	2077.1	1812.1	1484.0	1334.1	1312.3	1312.3
47.5°	8473.7	5935.9	1403.6	1599.1	1953.3	2059.8	1773.0	1451.4	1297.1	1321.0	1336.2
50°	9014.7	5875.1	1362.3	1594.8	1994.6	2059.8	1690.4	1444.9	1288.4	1412.3	1462.3
52.5°	9592.6	5805.6	1334.1	1577.4	2022.8	2061.9	1694.7	1466.6	1297.1	1434.0	1475.3
55°	10231.4	5794.7	1295.0	1540.5	2031.5	2005.4	1705.6	1514.4	1310.2	1299.3	1301.5
57.5°	11037.5	5925.1	1266.7	1486.2	1996.7	1890.3	1727.3	1549.2	1295.0	1297.1	1312.3
60°	11880.5	6170.6	1290.6	1434.0	1925.0	1781.6	1742.5	1531.8	1221.1	1186.3	1190.7
62.5°	12597.5	6357.4	1310.2	1410.1	1820.8	1686.0	1727.3	1492.7	1179.8	1171.1	1190.7
65°	12897.4	6203.2	1262.4	1360.1	1668.7	1568.7	1694.7	1442.7	1145.0	1112.4	1114.6
67.5°	12565.0	5479.6	1168.9	1249.3	1497.0	1418.8	1642.6	1377.5	1097.2	1058.1	1049.4
70°	10733.3	4026.1	1008.2	1073.3	1288.4	1242.8	1562.2	1292.8	1021.2	992.9	973.4
72.5°	8649.7	2850.6	836.5	853.9	1010.3	1047.3	1423.1	1186.3	934.3	853.9	825.6
75°	6020.7	1790.3	697.4	680.1	730.0	799.6	1110.3	984.3	806.1	721.3	695.3
77.5°	2589.9	919.1	545.4	536.7	486.7	554.0	851.7	821.3	675.7	577.9	562.7
80°	866.9	532.3	393.3	378.1	323.7	388.9	599.7	656.2	530.1	428.0	402.0
82.5°	434.5	308.5	249.9	226.0	217.3	245.5	354.2	408.5	367.2	295.5	249.9
85°	212.9	176.0	136.9	134.7	113.0	106.5	147.7	173.8	165.1	121.7	115.2
87.5°	78.2	69.5	43.5	34.8	21.7	15.2	8.7	8.7	6.5	6.5	6.5
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)