

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: P642711

Luminaire Tested: GWS-SA6D-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35098.8 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 245.7
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

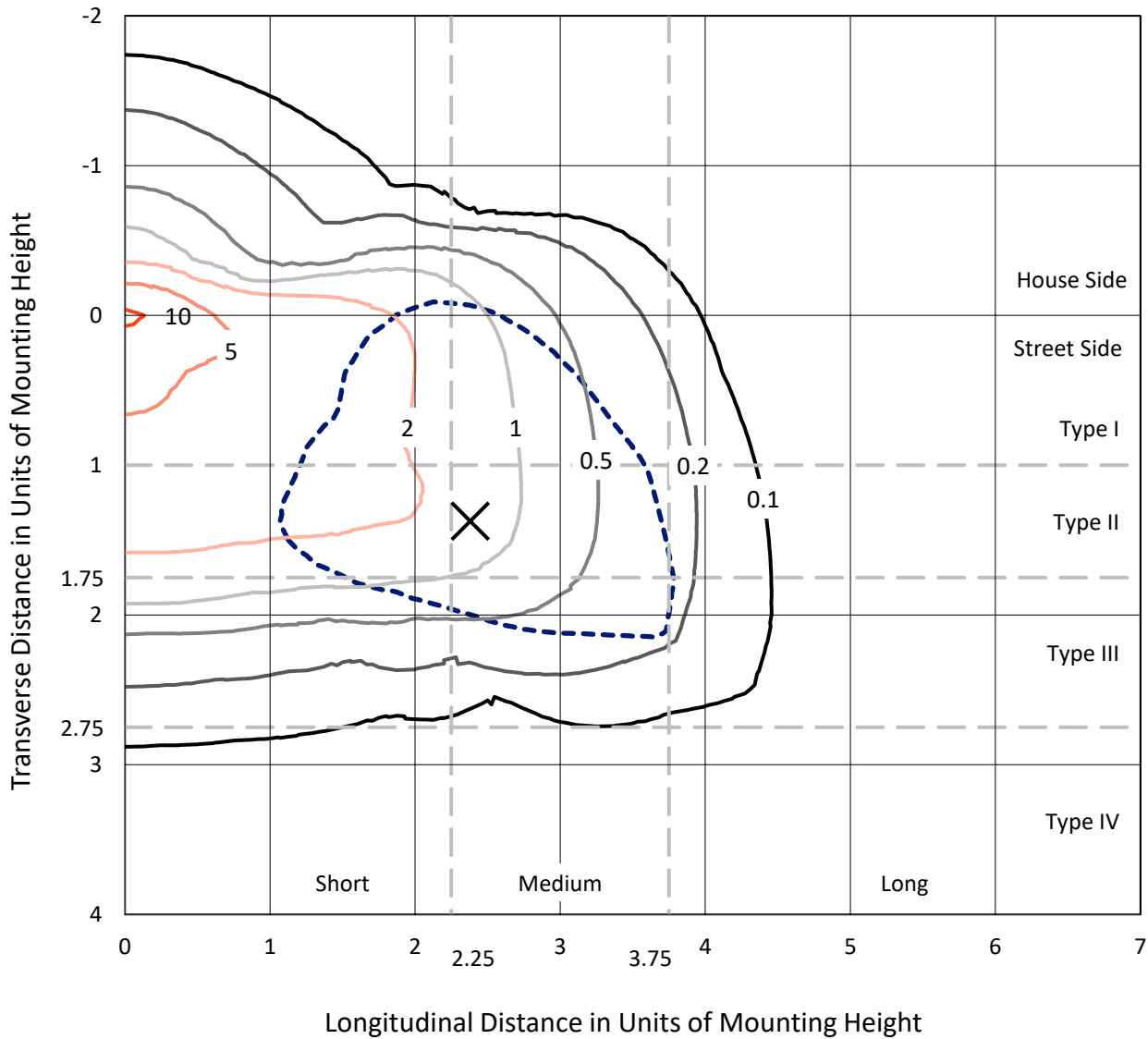


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Iso-Footcandle Lines of Horizontal Illumination

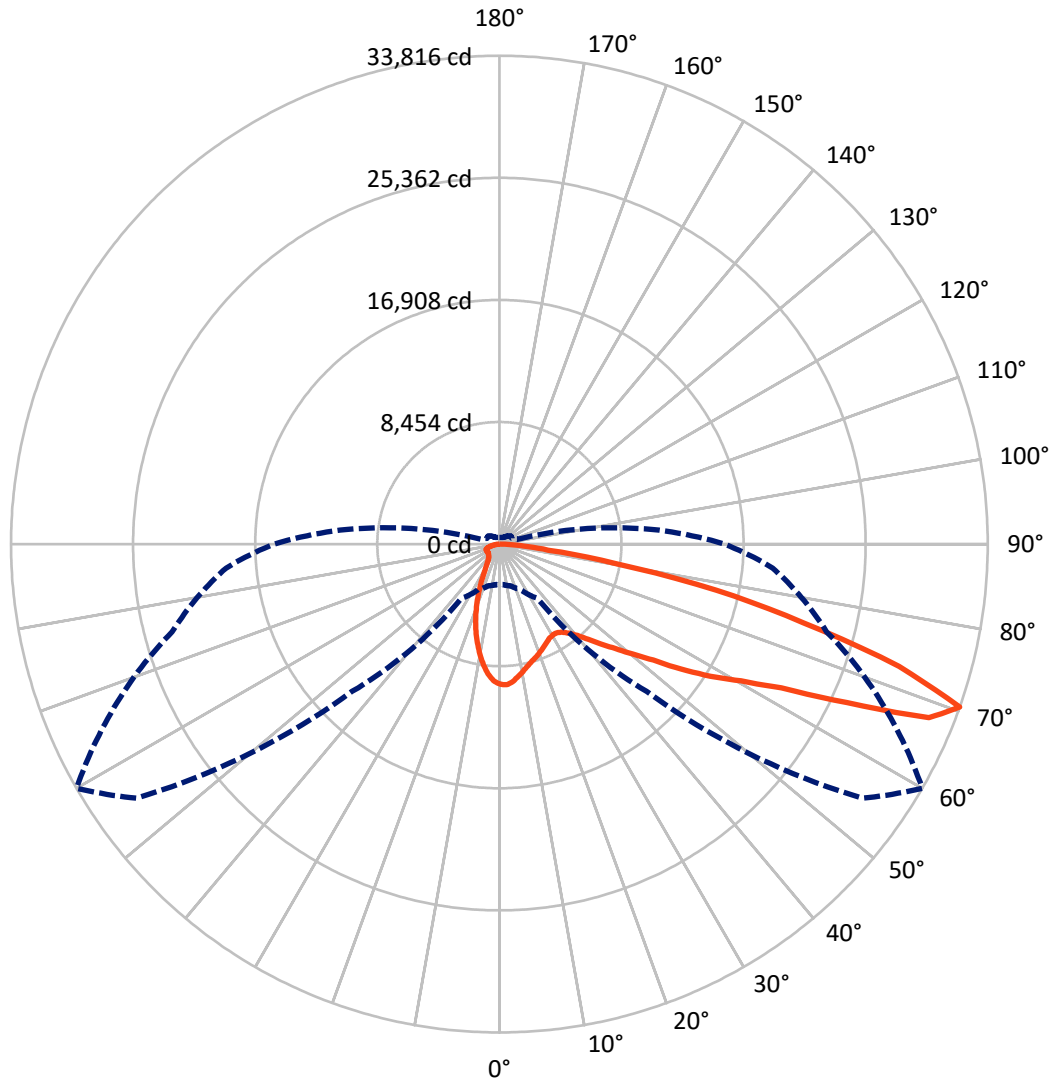
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6002.7	0.0	6002.7
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	29096.1	0.0	29096.1
	% Fixture	82.9	0.0	82.9
Total	Lumens	35098.8	0.0	35098.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	837.2	2.4
10°-20°	1875.5	5.3
20°-30°	2401.9	6.8
30°-40°	3156.7	9.0
40°-50°	4579.8	13.0
50°-60°	7145.6	20.4
60°-70°	9355.0	26.7
70°-80°	5173.0	14.7
80°-90°	574.1	1.6
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°	35098.8	100.0
0°-180°	35098.8	100.0

Coefficient of Utilization



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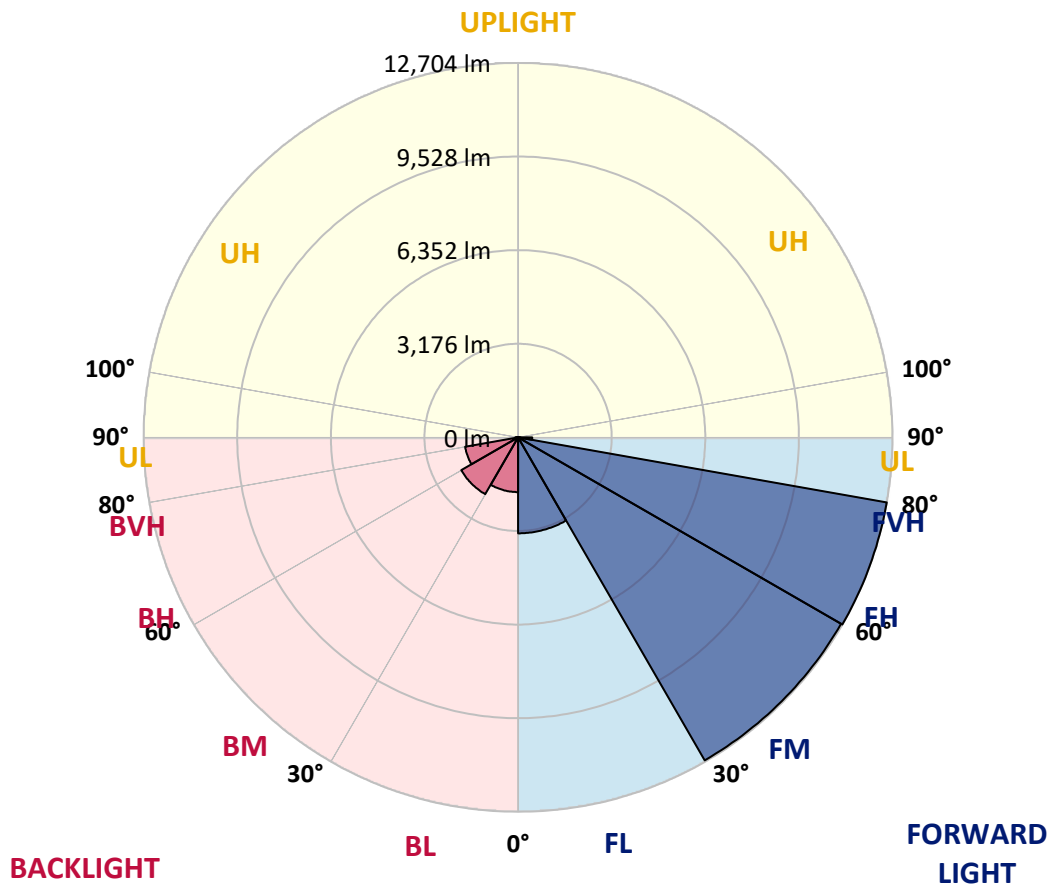
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3257.4	9.3			
FM (30°-60°)	12656.5	36.1			
FH (60°-80°)	12703.8	36.2			G5
FVH (80°-90°)	478.4	1.4			G3/500
BL (0°-30°)	1857.2	5.3	B3/2500		
BM (30°-60°)	2225.6	6.3	B2/2500		
BH (60°-80°)	1824.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	95.7	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-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	9712.3	9712.3	9712.3	9712.3	9712.3	9712.3	9712.3	9712.3	9712.3	9712.3	9712.3
2.5°	9576.2	9586.5	9614.7	9655.8	9696.9	9717.4	9768.8	9753.4	9743.1	9722.6	9696.9
5°	9152.5	9173.0	9198.7	9278.3	9368.2	9440.1	9555.6	9568.5	9573.6	9583.9	9542.8
7.5°	8613.2	8618.3	8679.9	8785.2	8903.4	9026.6	9219.2	9273.2	9319.4	9370.7	9337.4
10°	8017.4	8030.2	8076.5	8228.0	8430.8	8613.2	8872.5	8962.4	9060.0	9173.0	9126.8
12.5°	7529.5	7532.0	7606.5	7768.3	7989.1	8235.7	8559.2	8667.1	8795.5	8972.7	8931.6
15°	7141.7	7141.7	7211.0	7349.7	7603.9	7894.1	8279.3	8418.0	8592.6	8831.5	8759.6
17.5°	6833.5	6836.1	6879.8	7026.1	7252.1	7573.1	8030.2	8217.7	8410.3	8726.2	8618.3
20°	6671.7	6658.9	6666.6	6756.5	6949.1	7259.8	7781.1	7999.4	8258.8	8654.3	8489.9
22.5°	6664.0	6640.9	6607.5	6615.2	6728.2	6985.0	7514.1	7778.6	8104.7	8595.2	8358.9
25°	6795.0	6769.3	6710.3	6643.5	6633.2	6787.3	7262.4	7562.9	7945.5	8569.5	8233.1
27.5°	7015.9	6997.9	6920.8	6820.7	6715.4	6710.3	7072.4	7385.7	7829.9	8595.2	8143.2
30°	7308.6	7277.8	7229.0	7100.6	6941.4	6777.0	6997.9	7290.6	7752.9	8677.4	8104.7
32.5°	7639.9	7621.9	7575.7	7447.3	7277.8	7015.9	7056.9	7311.2	7752.9	8821.2	8112.4
35°	7991.7	7989.1	7989.1	7904.4	7716.9	7390.8	7290.6	7485.8	7871.0	9052.3	8194.6
37.5°	8333.3	8330.7	8412.9	8443.7	8230.5	7878.7	7688.7	7835.1	8130.4	9393.9	8397.5
40°	8610.6	8620.9	8800.6	8954.7	8836.6	8510.5	8243.4	8317.9	8551.5	9879.2	8751.8
42.5°	8890.5	8918.8	9188.4	9460.6	9506.8	9224.4	8954.7	8998.4	9155.0	10521.2	9280.9
45°	9196.1	9209.0	9586.5	9966.5	10189.9	10023.0	9802.2	9861.2	9897.2	11314.7	10069.2
47.5°	9491.4	9524.8	10012.8	10534.1	10957.8	10942.4	10819.1	10801.1	10808.8	12280.3	11001.4
50°	9894.6	9943.4	10516.1	11145.3	11766.7	12051.8	12087.7	11951.6	11895.1	13353.8	12162.2
52.5°	10659.9	10659.9	11173.5	11792.4	12627.0	13333.2	13574.6	13351.2	13171.4	14488.8	13394.8
55°	11617.8	11658.9	12067.2	12567.9	13626.0	14681.4	15498.1	15251.5	14743.1	15724.1	14686.6
57.5°	12044.1	12095.4	12742.6	13520.7	14933.1	16214.5	17347.0	17259.7	16517.6	17008.1	16027.1
60°	11273.7	11381.5	12272.6	13577.2	16117.0	18687.6	19486.2	19232.0	18171.4	18356.3	17480.6
62.5°	9404.1	9522.3	10510.9	12331.7	15952.6	21360.9	22858.0	21920.7	20236.1	20058.9	19416.9
65°	5611.1	5606.0	6795.0	9209.0	13926.4	22103.0	28194.4	26445.6	23425.6	22395.8	21409.7
67.5°	3567.0	3559.3	3808.4	4879.3	9268.0	20284.9	31625.3	32079.8	27757.8	24113.8	21574.0
70°	2814.6	2812.0	2991.8	3479.7	4583.9	14434.9	30670.0	33815.8	30374.7	23459.0	18995.7
72.5°	2051.9	2057.0	2334.3	2914.7	3536.2	7247.0	24835.4	28934.0	27937.6	20708.6	15421.0
75°	1474.0	1481.8	1648.7	2231.6	3261.4	3962.5	16515.0	21756.4	21255.6	16599.8	10608.5
77.5°	937.3	947.6	1094.0	1563.9	2634.8	3199.8	10012.8	15359.4	14142.1	9352.8	3772.4
80°	572.7	606.1	729.3	1165.9	2105.8	2401.1	5005.1	8091.9	7082.6	2565.5	1268.6
82.5°	295.3	321.0	439.1	721.6	1450.9	2108.4	2832.5	3400.1	2193.1	1073.4	675.4
85°	92.4	107.9	154.1	292.8	690.8	1307.1	1874.7	1689.8	1006.7	505.9	313.3
87.5°	23.1	23.1	25.7	25.7	28.2	59.1	362.1	382.6	267.1	159.2	128.4
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°	9712.3	9712.3	9712.3	9712.3	9712.3	9712.3	9712.3	9712.3	9712.3	9712.3	9712.3
2.5°	9645.5	9583.9	9558.2	9555.6	9491.4	9399.0	9337.4	9293.7	9268.0	9262.9	9262.9
5°	9473.5	9393.9	9288.6	9209.0	9036.9	8862.3	8715.9	8633.7	8538.7	8525.9	8523.3
7.5°	9244.9	9129.3	8929.0	8705.6	8405.2	8115.0	7868.4	7701.5	7534.6	7503.8	7493.5
10°	8998.4	8841.7	8500.2	8107.3	7657.9	7223.9	6846.4	6551.0	6355.9	6217.2	6191.5
12.5°	8754.4	8546.4	8045.6	7460.1	6843.8	6250.6	5683.1	5200.3	4851.0	4648.1	4612.2
15°	8525.9	8235.7	7550.0	6802.7	6001.5	5190.0	4386.2	3759.6	3269.1	3094.5	3053.4
17.5°	8317.9	7955.8	7069.8	6122.2	5123.2	4062.6	3148.4	2591.1	2303.5	2216.2	2195.7
20°	8109.8	7668.1	6581.9	5405.7	4191.0	3002.0	2301.0	2039.0	1931.2	1897.8	1887.5
22.5°	7886.4	7352.3	6050.3	4699.5	3248.6	2247.0	1882.4	1766.8	1733.4	1736.0	1733.4
25°	7663.0	7031.3	5493.0	3931.7	2419.1	1823.3	1643.5	1599.9	1607.6	1630.7	1635.8
27.5°	7478.1	6746.2	4946.0	3089.3	1890.1	1569.1	1484.3	1481.8	1510.0	1540.8	1546.0
30°	7344.6	6492.0	4406.7	2375.4	1556.2	1394.4	1361.1	1376.5	1409.8	1433.0	1440.7
32.5°	7249.6	6273.7	3831.5	1867.0	1363.6	1271.2	1255.8	1271.2	1291.7	1314.8	1320.0
35°	7216.2	6114.5	3266.5	1522.8	1232.7	1181.3	1171.0	1178.7	1189.0	1201.8	1207.0
37.5°	7290.6	6034.9	2675.9	1325.1	1153.0	1122.2	1106.8	1101.7	1104.3	1109.4	1112.0
40°	7511.5	6070.8	2193.1	1209.5	1101.7	1073.4	1047.8	1037.5	1034.9	1040.1	1037.5
42.5°	7891.6	6222.3	1843.8	1142.8	1060.6	1019.5	991.3	981.0	981.0	993.8	993.8
45°	8448.8	6520.2	1592.2	1094.0	1024.6	973.3	942.5	937.3	947.6	968.1	970.7
47.5°	9265.5	6956.8	1440.7	1058.0	991.3	932.2	901.4	898.8	919.4	952.7	955.3
50°	10233.6	7586.0	1358.5	1032.3	968.1	898.8	868.0	870.6	893.7	929.6	937.3
52.5°	11399.5	8443.7	1363.6	1022.1	955.3	878.3	847.5	842.3	865.4	901.4	909.1
55°	12603.9	9486.3	1463.8	1024.6	937.3	868.0	826.9	808.9	829.5	855.2	857.7
57.5°	13929.0	10662.5	1712.9	1019.5	914.2	857.7	808.9	767.8	780.7	796.1	803.8
60°	15423.6	12046.6	2249.6	1029.8	903.9	834.6	773.0	719.0	716.5	726.8	729.3
62.5°	17421.5	13929.0	2853.1	1047.8	927.1	806.4	719.0	662.6	652.3	657.4	660.0
65°	18949.5	14827.8	2663.0	1032.3	975.9	785.8	667.7	608.6	588.1	582.9	582.9
67.5°	18328.0	13638.8	1854.1	991.3	999.0	788.4	626.6	552.1	526.4	513.6	511.0
70°	15595.7	11078.5	1289.2	950.2	973.3	783.2	582.9	505.9	472.5	454.5	452.0
72.5°	12321.4	8459.1	1042.6	868.0	883.4	706.2	518.7	454.5	426.3	403.2	403.2
75°	7930.1	5161.7	870.6	773.0	721.6	549.6	449.4	405.7	377.5	354.4	354.4
77.5°	2668.2	1915.8	675.4	654.8	539.3	413.5	377.5	349.3	326.1	305.6	303.0
80°	1083.7	909.1	495.6	495.6	377.5	315.9	295.3	282.5	267.1	241.4	241.4
82.5°	629.2	552.1	346.7	300.5	251.7	218.3	205.4	192.6	192.6	174.6	174.6
85°	303.0	305.6	208.0	184.9	143.8	125.8	120.7	113.0	110.4	100.2	97.6
87.5°	164.4	166.9	105.3	82.2	56.5	48.8	41.1	38.5	36.0	33.4	33.4
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)