

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: P640291

Luminaire Tested: GWS-SA5D-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640291
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-SA5D-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30109.2 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

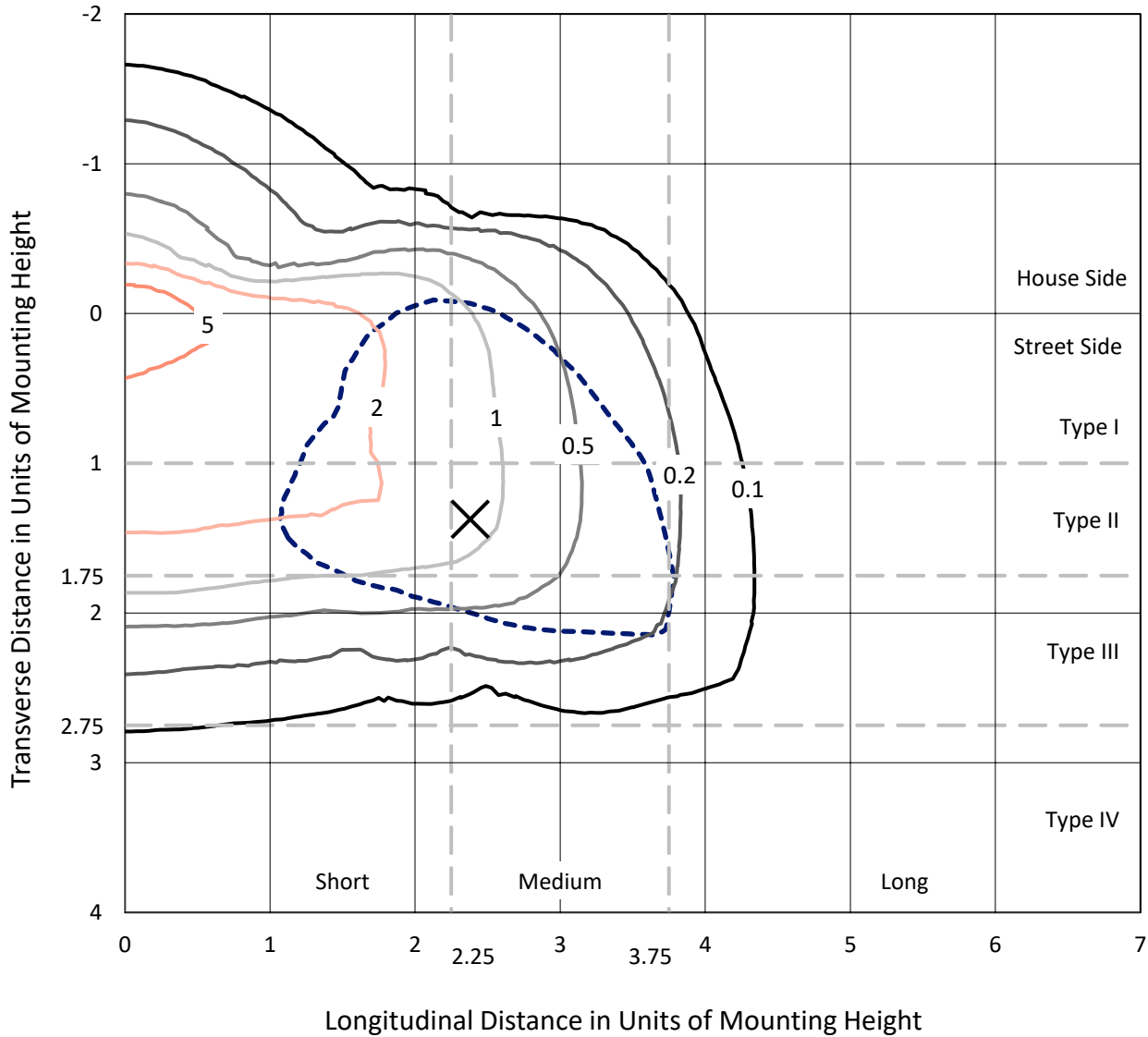
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

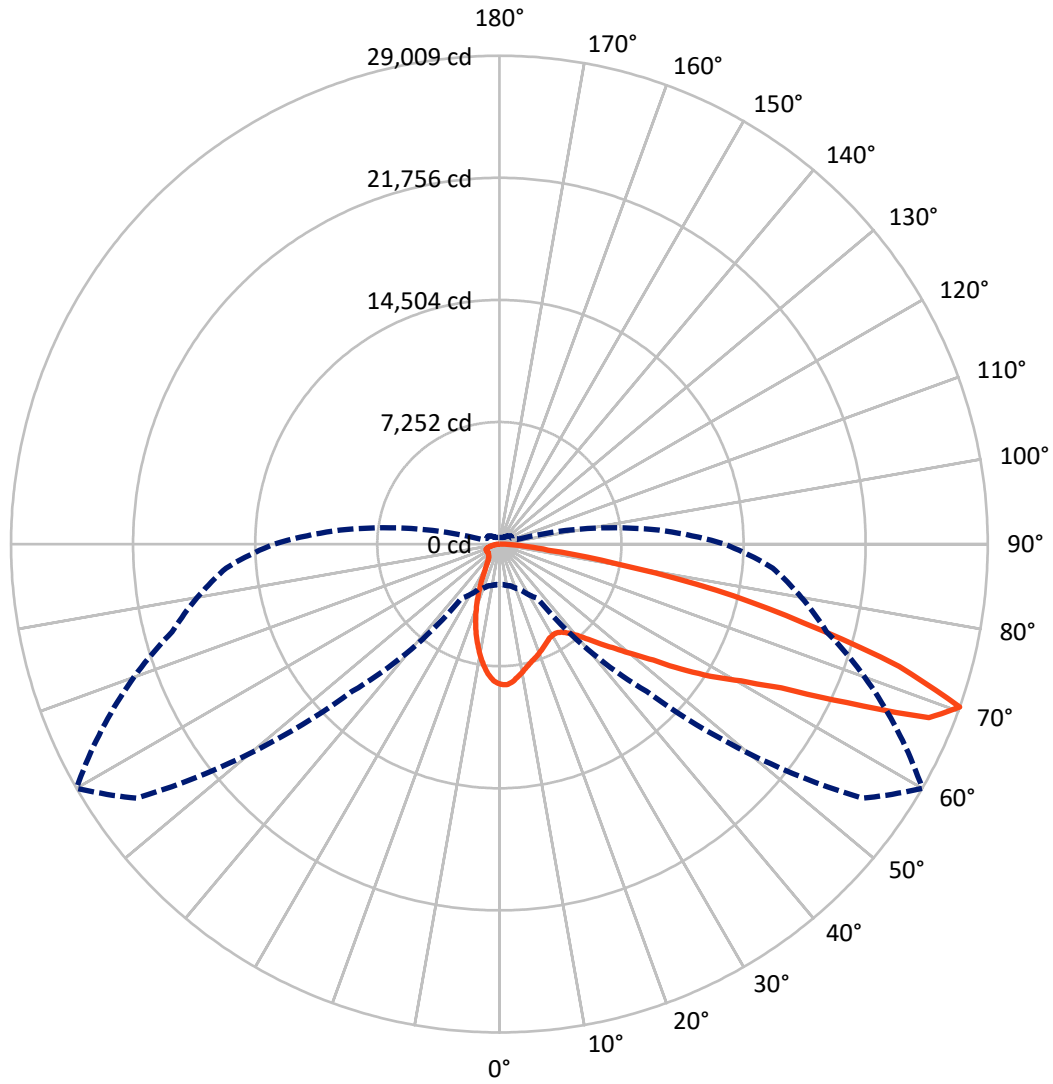
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.3 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	5149.4	0.0	5149.4
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	24959.8	0.0	24959.8
	% Fixture	82.9	0.0	82.9
Total	Lumens	30109.2	0.0	30109.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.1	2.4
10°-20°	1608.9	5.3
20°-30°	2060.5	6.8
30°-40°	2707.9	9.0
40°-50°	3928.8	13.0
50°-60°	6129.8	20.4
60°-70°	8025.1	26.7
70°-80°	4437.6	14.7
80°-90°	492.5	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°	30109.2	100.0
0°-180°	30109.2	100.0

Coefficient of Utilization



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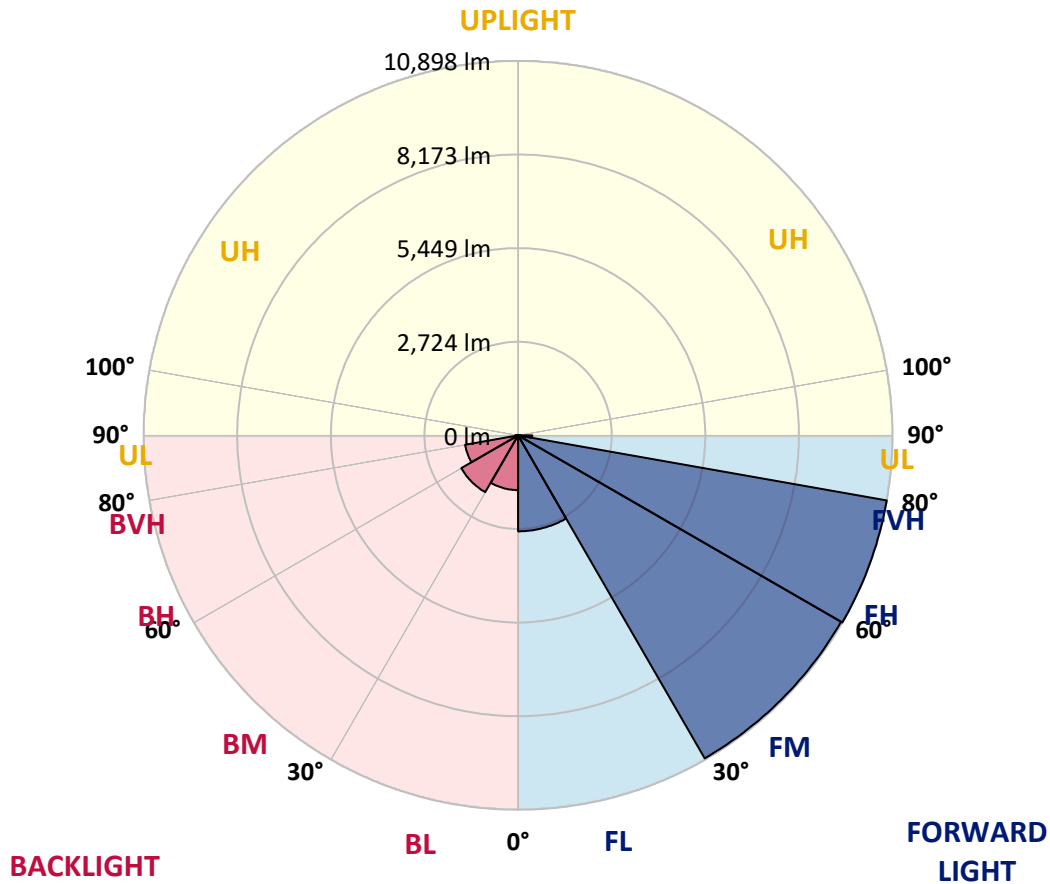
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2794.3	9.3			
FM (30°-60°)	10857.3	36.1			
FH (60°-80°)	10897.9	36.2			G4/12000
FVH (80°-90°)	410.4	1.4			G3/500
BL (0°-30°)	1593.2	5.3	B3/2500		
BM (30°-60°)	1909.2	6.3	B2/2500		
BH (60°-80°)	1564.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	82.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	8331.6	8331.6	8331.6	8331.6	8331.6	8331.6	8331.6	8331.6	8331.6	8331.6	8331.6
2.5°	8214.8	8223.7	8247.9	8283.1	8318.4	8336.0	8380.1	8366.9	8358.0	8340.4	8318.4
5°	7851.4	7869.0	7891.0	7959.3	8036.4	8098.1	8197.2	8208.2	8212.6	8221.5	8186.2
7.5°	7388.7	7393.1	7446.0	7536.3	7637.7	7743.4	7908.6	7954.9	7994.6	8038.6	8010.0
10°	6877.6	6888.7	6928.3	7058.3	7232.3	7388.7	7611.2	7688.3	7772.1	7869.0	7829.3
12.5°	6459.1	6461.3	6525.2	6664.0	6853.4	7064.9	7342.5	7435.0	7545.1	7697.2	7661.9
15°	6126.4	6126.4	6185.9	6304.9	6523.0	6771.9	7102.4	7221.3	7371.1	7576.0	7514.3
17.5°	5862.1	5864.3	5901.7	6027.3	6221.2	6496.5	6888.7	7049.5	7214.7	7485.7	7393.1
20°	5723.3	5712.3	5718.9	5796.0	5961.2	6227.8	6675.0	6862.2	7084.7	7424.0	7283.0
22.5°	5716.7	5696.9	5668.2	5674.8	5771.8	5992.1	6445.9	6672.8	6952.6	7373.3	7170.6
25°	5829.0	5807.0	5756.3	5699.1	5690.3	5822.4	6230.0	6487.7	6816.0	7351.3	7062.7
27.5°	6018.5	6003.1	5937.0	5851.1	5760.7	5756.3	6067.0	6335.7	6716.8	7373.3	6985.6
30°	6269.6	6243.2	6201.3	6091.2	5954.6	5813.6	6003.1	6254.2	6650.7	7443.8	6952.6
32.5°	6553.8	6538.4	6498.7	6388.6	6243.2	6018.5	6053.7	6271.8	6650.7	7567.2	6959.2
35°	6855.6	6853.4	6853.4	6780.7	6619.9	6340.1	6254.2	6421.6	6752.1	7765.4	7029.7
37.5°	7148.6	7146.4	7216.9	7243.3	7060.5	6758.7	6595.7	6721.2	6974.6	8058.4	7203.7
40°	7386.5	7395.3	7549.6	7681.7	7580.4	7300.6	7071.5	7135.4	7335.9	8474.8	7507.7
42.5°	7626.7	7650.9	7882.2	8115.7	8155.4	7913.0	7681.7	7719.2	7853.6	9025.5	7961.5
45°	7888.8	7899.8	8223.7	8549.7	8741.4	8598.2	8408.7	8459.4	8490.2	9706.3	8637.8
47.5°	8142.2	8170.8	8589.4	9036.6	9400.0	9386.8	9281.1	9265.7	9272.3	10534.6	9437.5
50°	8488.0	8529.9	9021.1	9560.9	10094.0	10338.5	10369.3	10252.6	10204.1	11455.4	10433.2
52.5°	9144.5	9144.5	9585.1	10116.0	10832.0	11437.8	11644.9	11453.2	11299.0	12429.1	11490.7
55°	9966.2	10001.5	10351.7	10781.3	11688.9	12594.3	13294.9	13083.4	12647.2	13488.7	12598.7
57.5°	10331.9	10376.0	10931.1	11598.6	12810.2	13909.5	14881.0	14806.1	14169.5	14590.2	13748.7
60°	9671.0	9763.5	10528.0	11647.1	13825.8	16031.0	16716.1	16498.0	15588.2	15746.8	14995.6
62.5°	8067.2	8168.6	9016.7	10578.6	13684.8	18324.2	19608.6	18804.5	17359.3	17207.3	16656.6
65°	4813.5	4809.1	5829.0	7899.8	11946.7	18960.9	24186.3	22686.1	20095.4	19212.0	18366.1
67.5°	3059.9	3053.3	3267.0	4185.6	7950.5	17401.2	27129.5	27519.4	23811.8	20685.8	18507.1
70°	2414.4	2412.2	2566.5	2985.0	3932.3	12382.9	26310.0	29008.6	26056.6	20124.1	16295.3
72.5°	1760.2	1764.6	2002.5	2500.4	3033.5	6216.8	21304.9	24820.8	23966.0	17764.7	13228.8
75°	1264.5	1271.1	1414.3	1914.4	2797.8	3399.2	14167.3	18663.5	18233.9	14240.0	9100.4
77.5°	804.1	812.9	938.5	1341.6	2260.2	2744.9	8589.4	13175.9	12131.7	8023.2	3236.2
80°	491.3	519.9	625.6	1000.1	1806.4	2059.8	4293.6	6941.5	6075.8	2200.8	1088.3
82.5°	253.3	275.4	376.7	619.0	1244.7	1808.6	2429.9	2916.7	1881.3	920.8	579.4
85°	79.3	92.5	132.2	251.1	592.6	1121.3	1608.2	1449.5	863.6	434.0	268.8
87.5°	19.8	19.8	22.0	22.0	24.2	50.7	310.6	328.2	229.1	136.6	110.1
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°	8331.6	8331.6	8331.6	8331.6	8331.6	8331.6	8331.6	8331.6	8331.6	8331.6	8331.6
2.5°	8274.3	8221.5	8199.4	8197.2	8142.2	8062.8	8010.0	7972.5	7950.5	7946.1	7946.1
5°	8126.7	8058.4	7968.1	7899.8	7752.2	7602.4	7476.9	7406.4	7324.9	7313.8	7311.6
7.5°	7930.7	7831.5	7659.7	7468.0	7210.3	6961.4	6749.9	6606.7	6463.5	6437.1	6428.2
10°	7719.2	7584.8	7291.8	6954.8	6569.2	6196.9	5873.1	5619.8	5452.3	5333.4	5311.3
12.5°	7509.9	7331.5	6901.9	6399.6	5870.9	5362.0	4875.2	4461.0	4161.4	3987.4	3956.5
15°	7313.8	7064.9	6476.7	5835.6	5148.3	4452.2	3762.7	3225.1	2804.4	2654.6	2619.3
17.5°	7135.4	6824.8	6064.8	5251.9	4394.9	3485.1	2700.8	2222.8	1976.1	1901.2	1883.5
20°	6957.0	6578.0	5646.2	4637.2	3595.2	2575.3	1973.9	1749.2	1656.6	1628.0	1619.2
22.5°	6765.3	6307.1	5190.2	4031.4	2786.7	1927.6	1614.8	1515.6	1487.0	1489.2	1487.0
25°	6573.6	6031.7	4712.1	3372.7	2075.2	1564.1	1409.9	1372.4	1379.1	1398.9	1403.3
27.5°	6415.0	5787.2	4242.9	2650.2	1621.4	1346.0	1273.3	1271.1	1295.3	1321.8	1326.2
30°	6300.5	5569.1	3780.3	2037.7	1335.0	1196.2	1167.6	1180.8	1209.4	1229.3	1235.9
32.5°	6219.0	5381.8	3286.8	1601.6	1169.8	1090.5	1077.2	1090.5	1108.1	1127.9	1132.3
35°	6190.3	5245.3	2802.2	1306.4	1057.4	1013.4	1004.6	1011.2	1020.0	1031.0	1035.4
37.5°	6254.2	5177.0	2295.5	1136.7	989.1	962.7	949.5	945.1	947.3	951.7	953.9
40°	6443.7	5207.8	1881.3	1037.6	945.1	920.8	898.8	890.0	887.8	892.2	890.0
42.5°	6769.7	5337.8	1581.7	980.3	909.8	874.6	850.3	841.5	841.5	852.5	852.5
45°	7247.7	5593.3	1365.8	938.5	879.0	834.9	808.5	804.1	812.9	830.5	832.7
47.5°	7948.3	5967.8	1235.9	907.6	850.3	799.7	773.2	771.0	788.7	817.3	819.5
50°	8778.8	6507.6	1165.4	885.6	830.5	771.0	744.6	746.8	766.6	797.5	804.1
52.5°	9779.0	7243.3	1169.8	876.8	819.5	753.4	727.0	722.6	742.4	773.2	779.8
55°	10812.1	8137.7	1255.7	879.0	804.1	744.6	709.4	693.9	711.6	733.6	735.8
57.5°	11948.9	9146.7	1469.4	874.6	784.3	735.8	693.9	658.7	669.7	682.9	689.5
60°	13231.0	10334.1	1929.8	883.4	775.4	716.0	663.1	616.8	614.6	623.4	625.6
62.5°	14944.9	11948.9	2447.5	898.8	795.3	691.7	616.8	568.4	559.6	564.0	566.2
65°	16255.7	12719.9	2284.5	885.6	837.1	674.1	572.8	522.1	504.5	500.1	500.1
67.5°	15722.5	11699.9	1590.5	850.3	857.0	676.3	537.5	473.6	451.6	440.6	438.4
70°	13378.6	9503.6	1105.9	815.1	834.9	671.9	500.1	434.0	405.3	389.9	387.7
72.5°	10569.8	7256.6	894.4	744.6	757.8	605.8	445.0	389.9	365.7	345.9	345.9
75°	6802.7	4428.0	746.8	663.1	619.0	471.4	385.5	348.1	323.8	304.0	304.0
77.5°	2288.9	1643.4	579.4	561.8	462.6	354.7	323.8	299.6	279.8	262.2	259.9
80°	929.7	779.8	425.2	425.2	323.8	271.0	253.3	242.3	229.1	207.1	207.1
82.5°	539.7	473.6	297.4	257.7	215.9	187.3	176.2	165.2	165.2	149.8	149.8
85°	259.9	262.2	178.4	158.6	123.4	107.9	103.5	96.9	94.7	85.9	83.7
87.5°	141.0	143.2	90.3	70.5	48.5	41.9	35.2	33.0	30.8	28.6	28.6
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)