

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: P642777

Luminaire Tested: GWS-SA6D-750-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36575.6 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B5 - U0 - G5

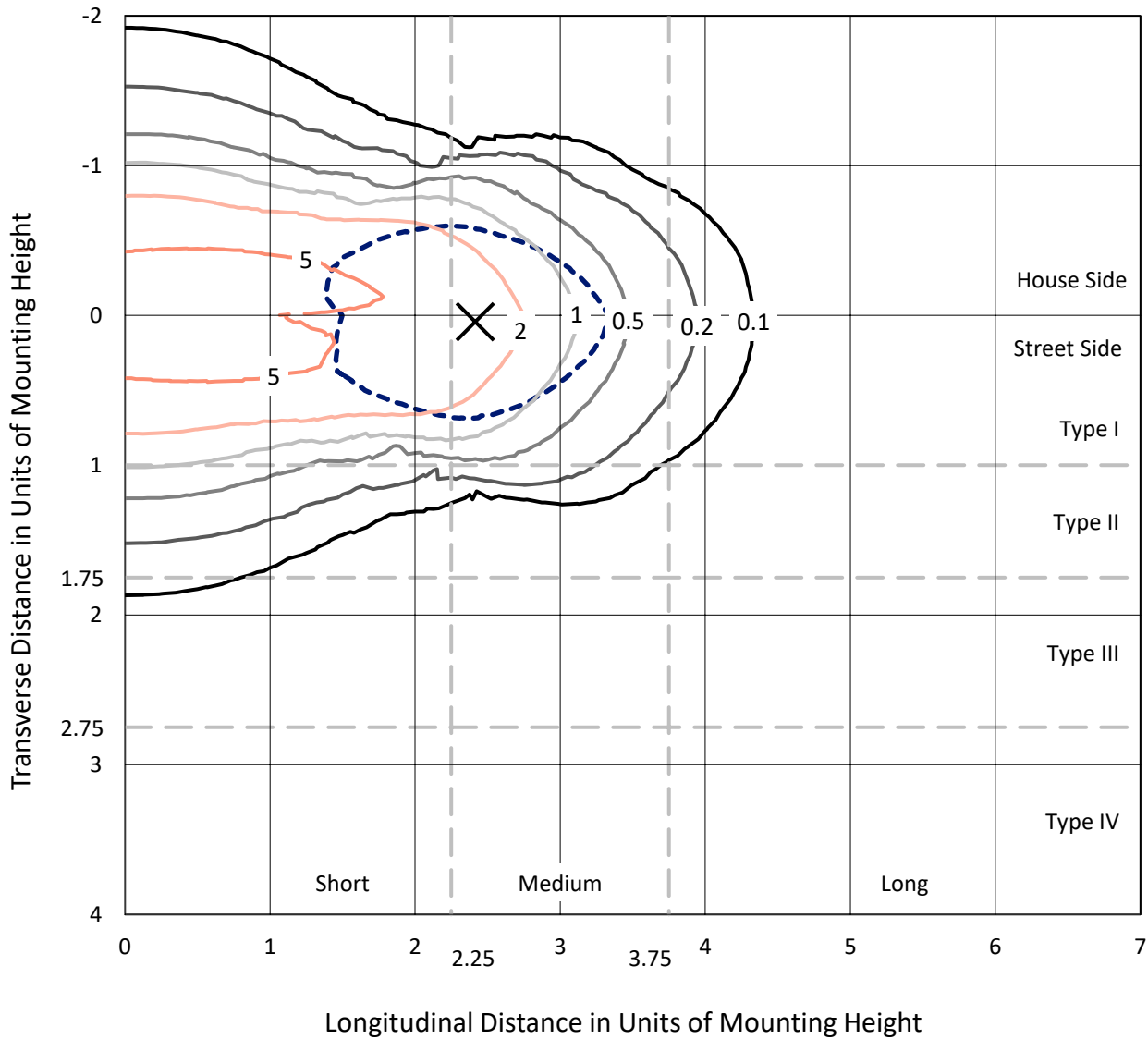
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

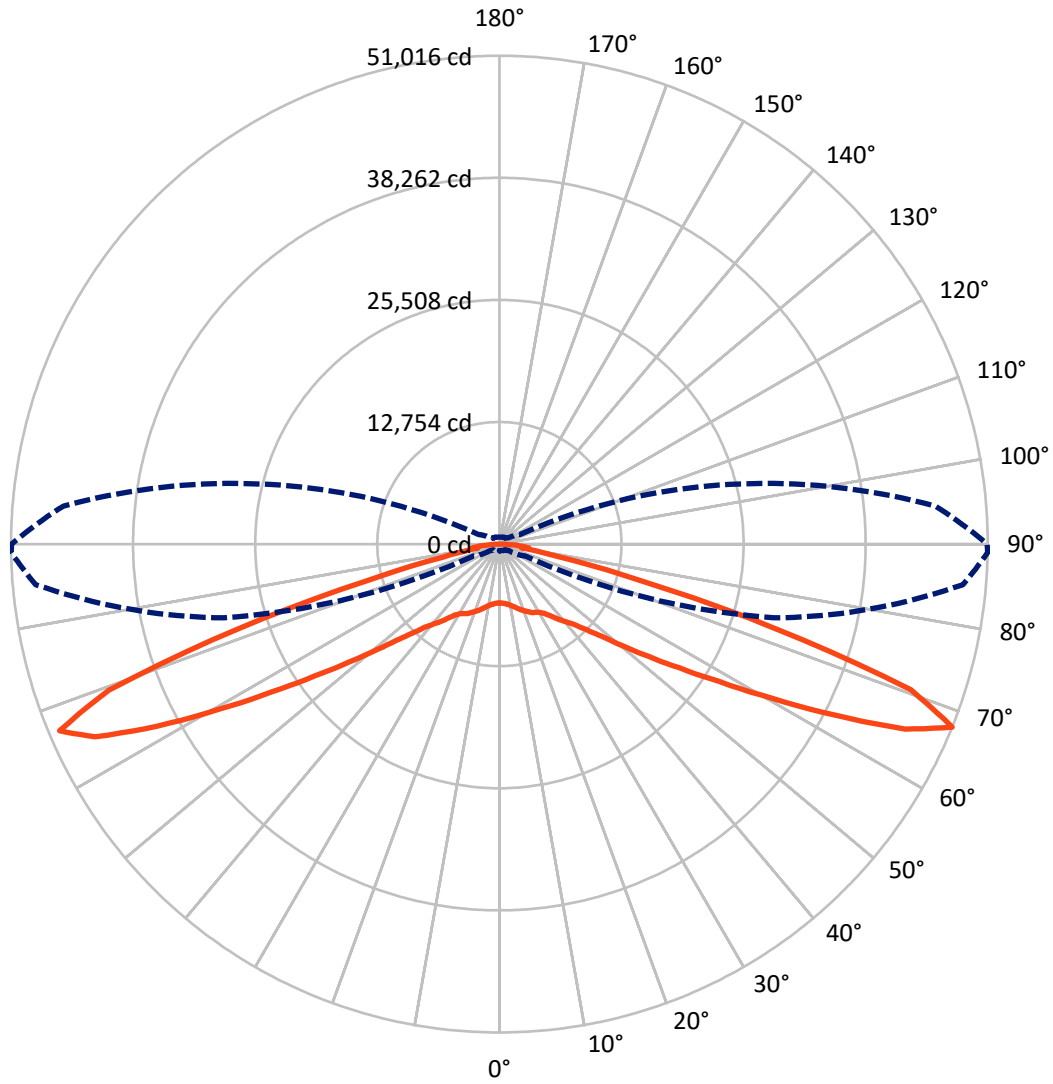
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.4 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18127.5	0.0	18127.5
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	18448.1	0.0	18448.1
	% Fixture	50.4	0.0	50.4
Total	Lumens	36575.6	0.0	36575.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.8	1.7
10°-20°	2005.1	5.5
20°-30°	3389.5	9.3
30°-40°	4651.6	12.7
40°-50°	5931.9	16.2
50°-60°	7442.4	20.3
60°-70°	8976.2	24.5
70°-80°	3247.3	8.9
80°-90°	315.8	0.9
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°	36575.6	100.0
0°-180°	36575.6	100.0

Coefficient of Utilization



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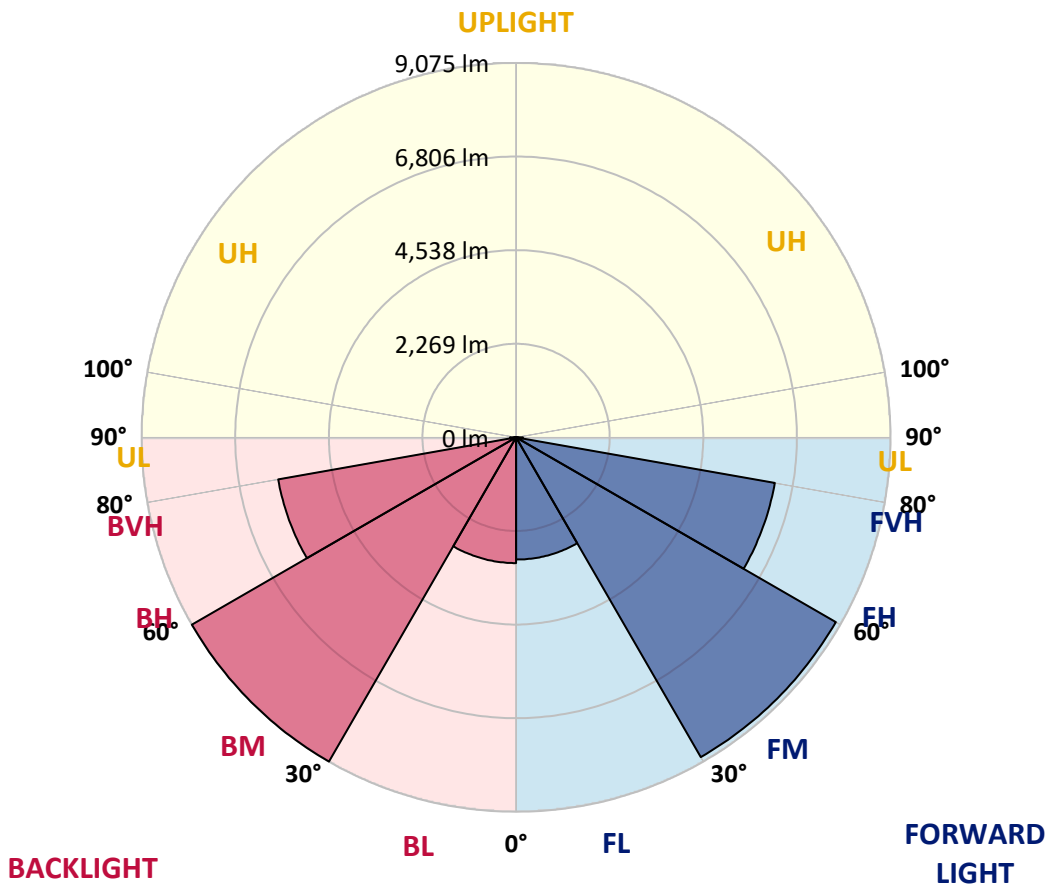
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2962.3	8.1			
FM (30°-60°)	8950.8	24.5			
FH (60°-80°)	6368.4	17.4			G3/7500
FVH (80°-90°)	166.6	0.5			G2/225
BL (0°-30°)	3048.0	8.3	B4/5000		
BM (30°-60°)	9075.2	24.8	B5		
BH (60°-80°)	5855.2	16.0	B5		G5
BVH (80°-90°)	149.2	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	6138.9	6138.9	6138.9	6138.9	6138.9	6138.9	6138.9	6138.9	6138.9	6138.9	6138.9
2.5°	6157.3	6152.1	6138.9	6178.3	6170.4	6173.1	6188.8	6178.3	6159.9	6128.4	6173.1
5°	6330.7	6328.1	6299.2	6322.8	6296.5	6278.1	6275.5	6249.2	6228.2	6194.1	6241.4
7.5°	6498.8	6496.2	6472.5	6514.6	6493.5	6472.5	6448.9	6396.3	6346.4	6296.5	6349.1
10°	6627.5	6624.9	6619.6	6680.0	6685.3	6693.2	6682.7	6593.4	6506.7	6446.3	6498.8
12.5°	6701.1	6708.9	6722.1	6832.4	6887.6	6940.1	6953.2	6879.7	6735.2	6648.5	6711.6
15°	6651.2	6666.9	6732.6	6932.2	7084.6	7202.8	7252.7	7192.3	7005.8	6861.3	6932.2
17.5°	6412.1	6425.2	6554.0	6858.7	7194.9	7468.1	7549.5	7512.8	7305.2	7129.2	7197.5
20°	6081.1	6110.0	6249.2	6674.8	7176.5	7652.0	7870.0	7856.9	7631.0	7360.4	7441.8
22.5°	5781.7	5815.8	5962.9	6433.1	7053.1	7699.3	8193.1	8227.3	7927.8	7591.6	7657.2
25°	5445.4	5477.0	5666.1	6146.8	6840.3	7662.5	8468.9	8623.9	8264.0	7856.9	7917.3
27.5°	5101.3	5125.0	5311.5	5823.7	6561.8	7594.2	8687.0	9060.0	8595.0	8040.8	8082.8
30°	4799.2	4830.8	5001.5	5500.6	6257.1	7457.6	8865.6	9524.9	8975.9	8248.3	8282.4
32.5°	4507.7	4533.9	4720.4	5182.8	5934.0	7247.4	9025.8	10071.3	9540.7	8634.4	8634.4
35°	4139.9	4187.2	4397.3	4878.0	5629.3	6969.0	9141.4	10707.0	10313.0	9204.4	9207.1
37.5°	3801.0	3827.3	4048.0	4533.9	5308.8	6653.8	9151.9	11366.3	11290.1	9929.4	9934.7
40°	3414.9	3449.0	3685.5	4166.2	4941.1	6322.8	9052.1	11981.0	12314.6	10675.5	10646.6
42.5°	3023.5	3073.4	3299.3	3769.5	4544.4	5918.3	8786.8	12566.8	13614.9	11539.7	11468.8
45°	2645.2	2676.7	2902.7	3346.6	4090.0	5434.9	8361.2	13128.9	15159.5	12853.1	12750.7
47.5°	2219.7	2232.8	2466.6	2892.1	3619.8	4896.4	7751.8	13630.7	16856.4	14592.1	14416.1
50°	1841.4	1859.8	2043.7	2408.8	3044.5	4258.1	6992.6	13924.9	19018.3	16964.1	16659.4
52.5°	1489.4	1507.8	1654.9	1946.5	2516.5	3530.5	6052.2	13856.6	21211.7	19908.8	19464.9
55°	1203.1	1216.2	1316.0	1544.6	1980.6	2808.1	4941.1	13244.5	23646.8	23754.5	22798.3
57.5°	1016.6	1021.8	1090.1	1229.4	1547.2	2164.5	3814.2	11799.8	26200.1	28661.4	27090.6
60°	908.9	911.5	943.0	1029.7	1221.5	1652.3	2795.0	9498.6	28845.3	34800.3	32646.3
62.5°	840.6	840.6	866.9	916.8	1014.0	1271.4	2054.2	6821.9	30744.5	41480.4	39339.5
65°	774.9	774.9	793.3	835.3	887.9	1037.6	1542.0	4400.0	31677.0	47065.1	46589.6
67.5°	690.9	693.5	706.6	751.3	798.6	866.9	1168.9	2976.2	29741.1	48609.6	51015.8
70°	612.1	614.7	633.1	662.0	701.4	748.6	914.1	2051.6	21647.8	40484.8	45615.0
72.5°	525.4	535.9	549.0	580.5	604.2	638.3	746.0	1329.2	12595.7	26042.5	30153.5
75°	430.8	443.9	459.7	491.2	507.0	520.1	614.7	948.3	6060.1	13197.2	15028.1
77.5°	333.6	346.7	365.1	394.0	404.5	420.3	470.2	685.6	2902.7	5850.0	6307.0
80°	223.3	228.5	244.3	278.4	296.8	307.3	346.7	467.6	1260.9	2348.4	2327.4
82.5°	136.6	139.2	144.5	165.5	173.4	183.9	225.9	286.3	601.5	2668.9	3060.3
85°	49.9	47.3	44.7	57.8	68.3	78.8	105.1	144.5	262.7	1833.5	2051.6
87.5°	0.0	0.0	0.0	2.6	5.3	5.3	10.5	21.0	63.0	685.6	470.2
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°	6138.9	6138.9	6138.9	6138.9	6138.9	6138.9	6138.9	6138.9	6138.9	6138.9	6138.9
2.5°	6159.9	6131.0	6167.8	6194.1	6251.9	6272.9	6278.1	6259.8	6259.8	6228.2	6233.5
5°	6230.9	6212.5	6272.9	6317.5	6401.6	6433.1	6454.1	6441.0	6448.9	6427.9	6433.1
7.5°	6338.6	6322.8	6427.9	6514.6	6601.2	6638.0	6656.4	6645.9	6648.5	6622.3	6630.1
10°	6488.3	6493.5	6619.6	6732.6	6848.2	6884.9	6892.8	6861.3	6835.0	6787.7	6790.4
12.5°	6693.2	6719.5	6898.1	7024.2	7142.4	7194.9	7137.1	7021.5	6913.8	6832.4	6821.9
15°	6916.5	6963.7	7221.2	7381.4	7510.1	7483.9	7313.1	7053.1	6840.3	6719.5	6695.8
17.5°	7184.4	7255.3	7578.4	7770.2	7880.5	7712.4	7355.1	6966.4	6669.5	6506.7	6475.2
20°	7436.6	7549.5	7956.7	8206.2	8219.4	7841.1	7336.8	6790.4	6417.4	6217.7	6175.7
22.5°	7667.7	7812.2	8353.3	8671.2	8500.4	7898.9	7223.8	6540.8	6112.7	5878.9	5842.1
25°	7919.9	8124.8	8815.7	9112.5	8781.5	7875.3	6987.4	6230.9	5744.9	5505.9	5479.6
27.5°	8093.3	8350.7	9280.6	9564.3	9012.7	7741.3	6682.7	5892.0	5408.7	5182.8	5146.0
30°	8292.9	8621.3	9792.9	10055.5	9154.5	7544.3	6356.9	5576.8	5096.1	4851.8	4825.5
32.5°	8655.4	9067.8	10428.5	10575.6	9199.2	7300.0	6044.4	5272.1	4770.3	4526.0	4489.3
35°	9238.6	9721.9	11321.7	11156.2	9165.0	7032.0	5747.5	4914.8	4436.7	4208.2	4171.4
37.5°	9974.1	10575.6	12317.2	11678.9	9070.5	6737.8	5395.5	4615.4	4137.3	3906.1	3885.1
40°	10659.7	11400.5	13433.6	12130.7	8878.7	6375.3	5056.7	4302.8	3814.2	3569.9	3522.6
42.5°	11518.7	12503.7	14726.1	12522.1	8563.5	5941.9	4675.8	3916.6	3409.6	3189.0	3131.2
45°	12824.2	14048.3	16228.6	12897.8	8093.3	5408.7	4197.7	3446.4	2965.7	2739.8	2695.1
47.5°	14452.9	15979.1	17857.2	13121.1	7378.8	4846.5	3656.6	2949.9	2469.2	2214.4	2193.4
50°	16740.8	18787.1	19604.1	13081.7	6580.2	4179.3	3047.1	2358.9	1957.0	1773.1	1744.2
52.5°	19527.9	22312.4	21492.8	12608.8	5731.8	3420.1	2374.7	1851.9	1552.5	1421.1	1397.5
55°	23024.2	26533.7	23481.3	11594.9	4660.0	2619.0	1865.1	1460.5	1255.6	1176.8	1166.3
57.5°	27353.3	32000.1	25396.3	9887.4	3504.2	1999.0	1436.9	1205.7	1108.5	1061.2	1058.6
60°	33066.6	37802.8	27059.1	7683.5	2508.6	1528.8	1187.3	1077.0	1000.8	969.3	966.7
62.5°	39859.6	43072.3	28094.0	5232.7	1886.1	1218.9	1045.5	977.2	932.5	914.1	911.5
65°	46841.8	46403.1	27600.2	3428.0	1431.6	1035.0	937.8	901.0	861.6	843.2	843.2
67.5°	50965.9	45699.1	23809.7	2379.9	1134.8	908.9	845.8	811.7	746.0	730.3	730.3
70°	45142.2	37030.5	15606.0	1741.6	919.4	795.9	735.5	688.2	662.0	646.2	643.6
72.5°	29856.6	24096.0	8298.2	1208.3	767.0	677.7	622.6	604.2	572.7	556.9	554.3
75°	14860.0	12656.1	4252.9	872.1	638.3	543.8	520.1	512.2	486.0	465.0	459.7
77.5°	6194.1	5634.6	1983.3	633.1	486.0	438.7	417.7	417.7	388.8	365.1	354.6
80°	2335.3	2080.5	937.8	433.4	359.9	325.7	312.6	302.1	278.4	249.5	233.8
82.5°	3123.3	2041.1	459.7	270.6	236.4	210.1	191.8	183.9	170.7	157.6	147.1
85°	2022.7	1450.0	207.5	139.2	118.2	89.3	78.8	73.6	65.7	57.8	52.5
87.5°	412.4	486.0	63.0	26.3	15.8	7.9	7.9	2.6	0.0	0.0	0.0
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)