

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: P641776

Luminaire Tested: GWS-SA6B-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641776
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-SA6B-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21220.7 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

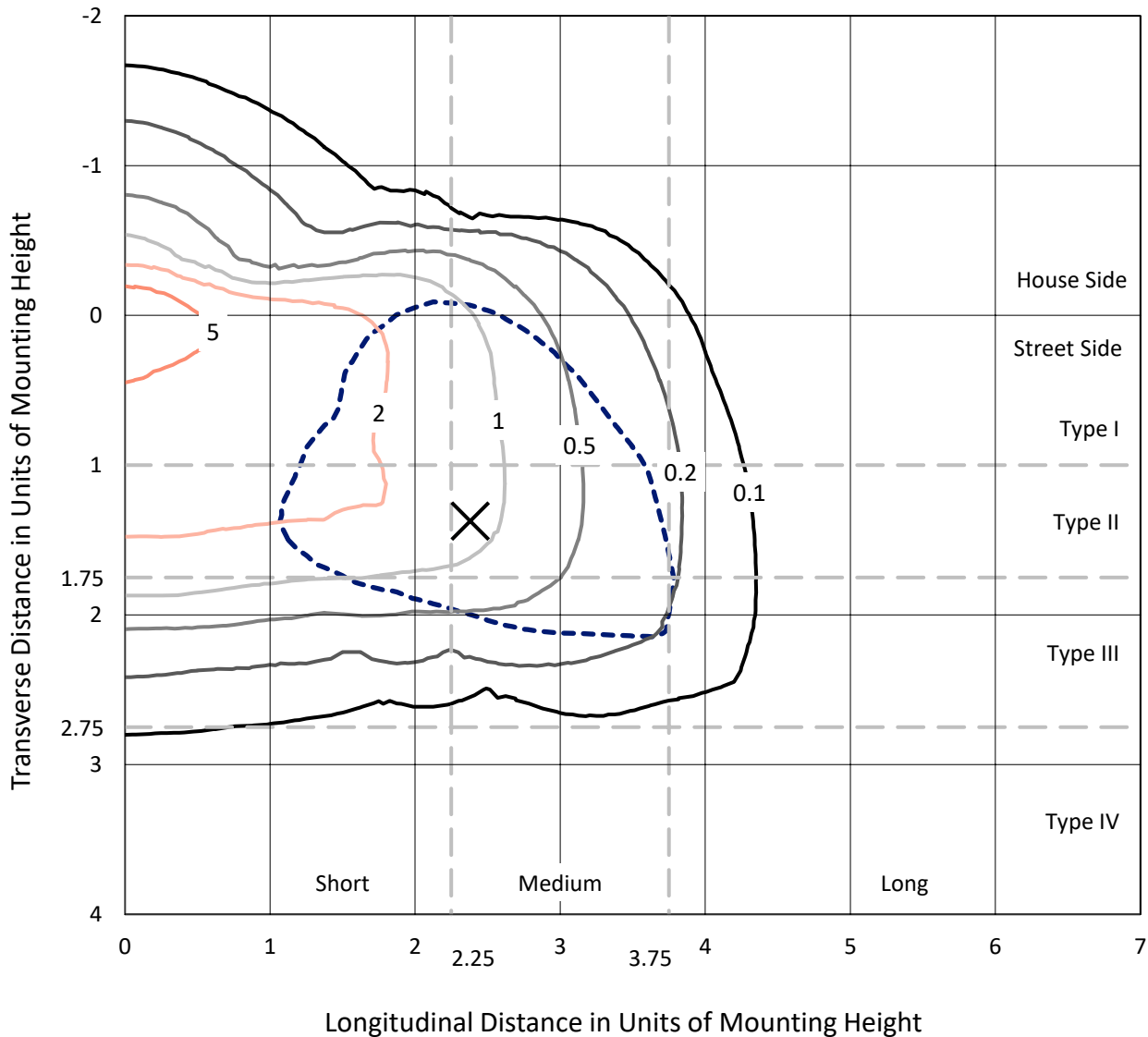
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

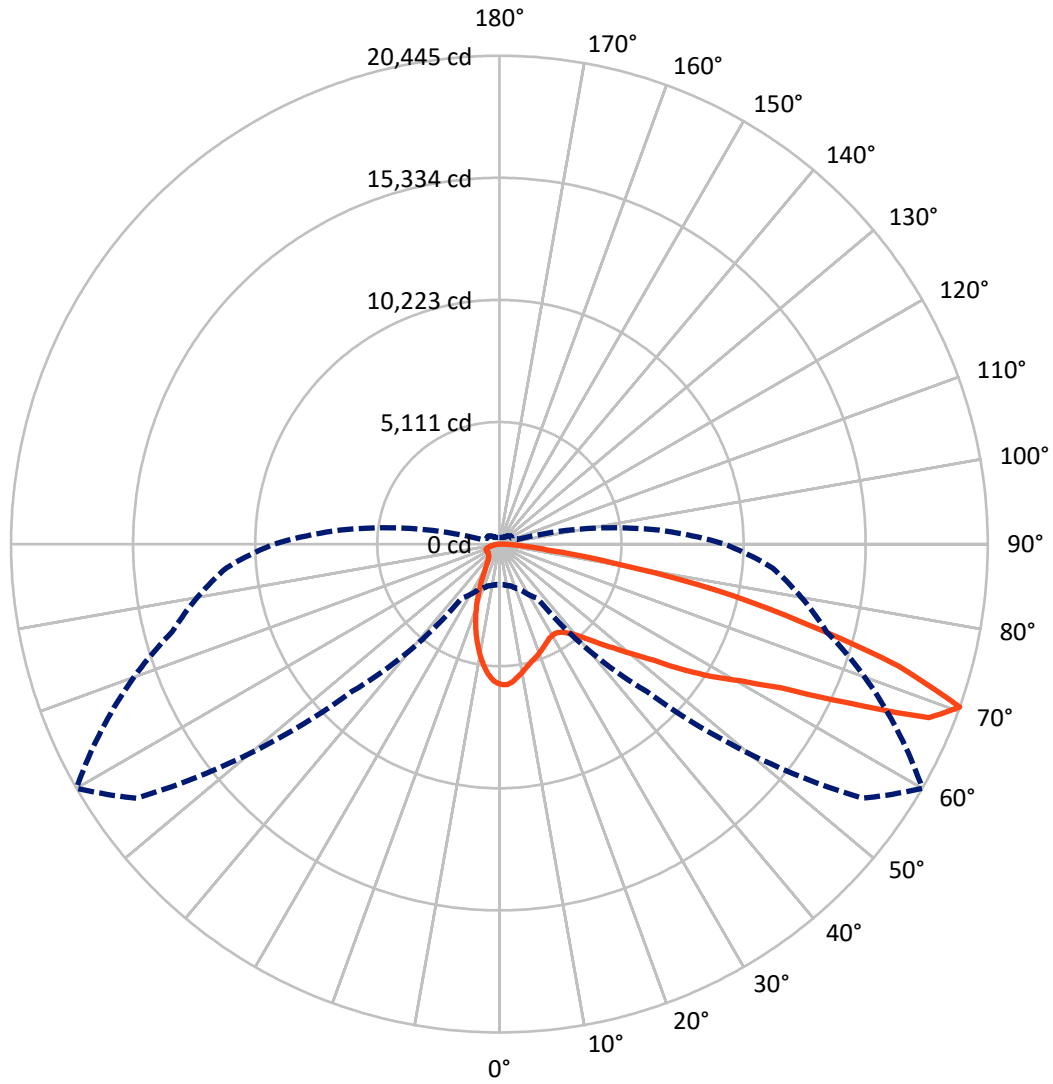
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	3629.2	0.0	3629.2
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	17591.5	0.0	17591.5
	% Fixture	82.9	0.0	82.9
Total	Lumens	21220.7	0.0	21220.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.1	2.4
10°-20°	1133.9	5.3
20°-30°	1452.2	6.8
30°-40°	1908.5	9.0
40°-50°	2769.0	13.0
50°-60°	4320.2	20.4
60°-70°	5656.0	26.7
70°-80°	3127.6	14.7
80°-90°	347.1	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°	21220.7	100.0
0°-180°	21220.7	100.0

Coefficient of Utilization



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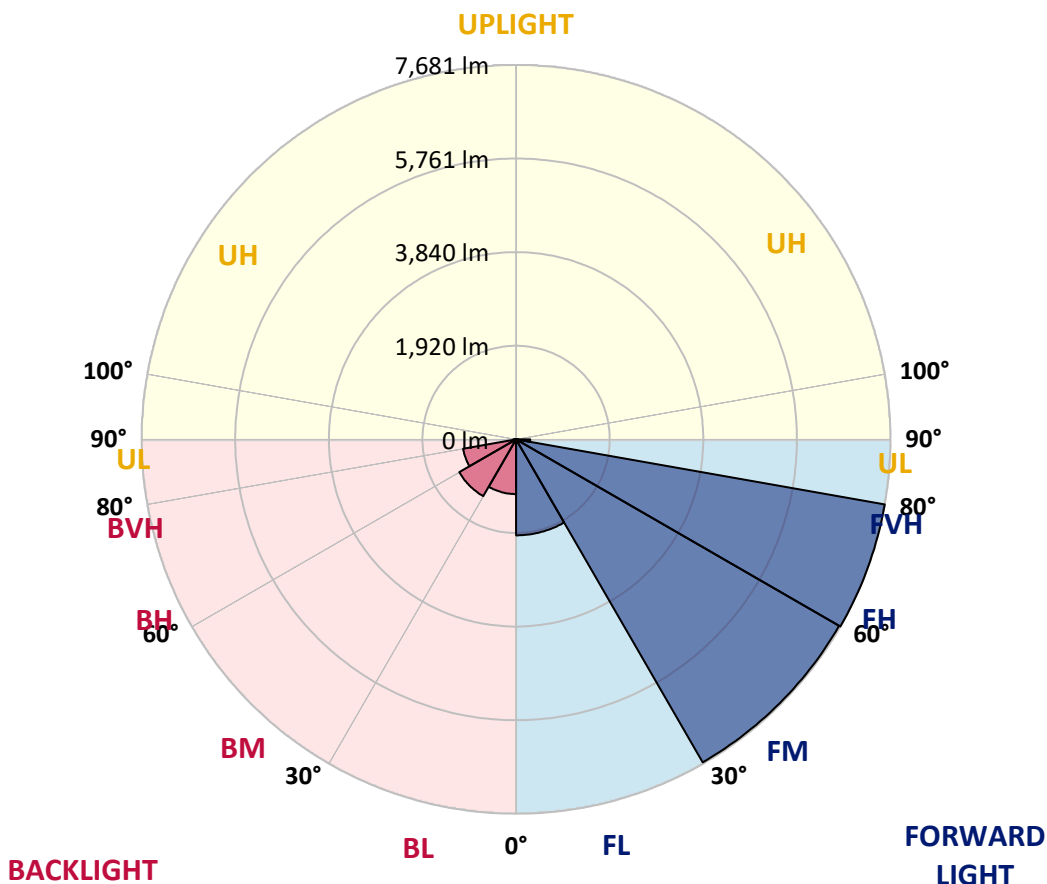
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1969.4	9.3			
FM (30°-60°)	7652.1	36.1			
FH (60°-80°)	7680.7	36.2			G4/12000
FVH (80°-90°)	289.2	1.4			G3/500
BL (0°-30°)	1122.8	5.3	B3/2500		
BM (30°-60°)	1345.6	6.3	B2/2500		
BH (60°-80°)	1102.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	57.9	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°	5872.0	5872.0	5872.0	5872.0	5872.0	5872.0	5872.0	5872.0	5872.0	5872.0	5872.0
2.5°	5789.8	5796.0	5813.0	5837.9	5862.7	5875.1	5906.2	5896.9	5890.7	5878.3	5862.7
5°	5533.6	5546.0	5561.5	5609.6	5664.0	5707.5	5777.3	5785.1	5788.2	5794.4	5769.6
7.5°	5207.5	5210.6	5247.9	5311.5	5383.0	5457.5	5573.9	5606.5	5634.5	5665.5	5645.4
10°	4847.3	4855.1	4883.0	4974.6	5097.3	5207.5	5364.3	5418.7	5477.7	5546.0	5518.0
12.5°	4552.3	4553.9	4598.9	4696.7	4830.2	4979.3	5174.9	5240.1	5317.8	5424.9	5400.0
15°	4317.9	4317.9	4359.8	4443.6	4597.3	4772.8	5005.7	5089.5	5195.1	5339.5	5296.0
17.5°	4131.5	4133.1	4159.5	4248.0	4384.6	4578.7	4855.1	4968.4	5084.9	5275.8	5210.6
20°	4033.7	4026.0	4030.6	4085.0	4201.4	4389.3	4704.5	4836.4	4993.3	5232.4	5133.0
22.5°	4029.1	4015.1	3994.9	3999.6	4067.9	4223.2	4543.0	4702.9	4900.1	5196.6	5053.8
25°	4108.3	4092.7	4057.0	4016.7	4010.4	4103.6	4390.8	4572.5	4803.8	5181.1	4977.7
27.5°	4241.8	4230.9	4184.3	4123.8	4060.1	4057.0	4275.9	4465.4	4734.0	5196.6	4923.4
30°	4418.8	4400.2	4370.7	4293.0	4196.8	4097.4	4230.9	4407.9	4687.4	5246.3	4900.1
32.5°	4619.1	4608.2	4580.3	4502.6	4400.2	4241.8	4266.6	4420.3	4687.4	5333.3	4904.8
35°	4831.8	4830.2	4830.2	4779.0	4665.6	4468.5	4407.9	4525.9	4758.8	5473.0	4954.4
37.5°	5038.3	5036.7	5086.4	5105.0	4976.2	4763.5	4648.6	4737.1	4915.6	5679.5	5077.1
40°	5206.0	5212.2	5320.9	5414.0	5342.6	5145.4	4983.9	5029.0	5170.3	5973.0	5291.4
42.5°	5375.2	5392.3	5555.3	5719.9	5747.8	5577.0	5414.0	5440.4	5535.1	6361.1	5611.2
45°	5560.0	5567.7	5796.0	6025.8	6160.8	6059.9	5926.4	5962.1	5983.8	6840.9	6087.9
47.5°	5738.5	5758.7	6053.7	6368.9	6625.1	6615.8	6541.2	6530.4	6535.0	7424.7	6651.5
50°	5982.3	6011.8	6358.0	6738.4	7114.1	7286.5	7308.2	7225.9	7191.8	8073.7	7353.3
52.5°	6445.0	6445.0	6755.5	7129.7	7634.3	8061.2	8207.2	8072.1	7963.4	8759.9	8098.5
55°	7024.1	7048.9	7295.8	7598.6	8238.2	8876.4	9370.1	9221.1	8913.6	9506.7	8879.5
57.5°	7281.8	7312.9	7704.1	8174.6	9028.5	9803.3	10488.0	10435.2	9986.5	10283.1	9690.0
60°	6816.0	6881.3	7420.0	8208.7	9744.3	11298.5	11781.3	11627.6	10986.4	11098.2	10568.7
62.5°	5685.7	5757.1	6354.9	7455.7	9644.9	12914.8	13819.9	13253.2	12234.7	12127.6	11739.4
65°	3392.5	3389.4	4108.3	5567.7	8419.9	13363.5	17046.3	15989.0	14163.1	13540.5	12944.3
67.5°	2156.6	2151.9	2302.5	2950.0	5603.4	12264.2	19120.6	19395.4	16782.4	14579.2	13043.6
70°	1701.7	1700.1	1808.8	2103.8	2771.4	8727.3	18543.0	20445.0	18364.5	14183.3	11484.8
72.5°	1240.6	1243.7	1411.3	1762.2	2138.0	4381.5	15015.5	17493.5	16891.0	12520.4	9323.5
75°	891.2	895.9	996.8	1349.2	1971.8	2395.7	9985.0	13153.9	12851.1	10036.2	6413.9
77.5°	566.7	572.9	661.4	945.6	1593.0	1934.6	6053.7	9286.3	8550.3	5654.7	2280.8
80°	346.2	366.4	440.9	704.9	1273.2	1451.7	3026.1	4892.3	4282.2	1551.1	767.0
82.5°	178.6	194.1	265.5	436.3	877.2	1274.7	1712.5	2055.7	1325.9	649.0	408.3
85°	55.9	65.2	93.2	177.0	417.7	790.3	1133.4	1021.6	608.6	305.9	189.4
87.5°	14.0	14.0	15.5	15.5	17.1	35.7	218.9	231.3	161.5	96.3	77.6
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°	5872.0	5872.0	5872.0	5872.0	5872.0	5872.0	5872.0	5872.0	5872.0	5872.0	5872.0
2.5°	5831.7	5794.4	5778.9	5777.3	5738.5	5682.6	5645.4	5619.0	5603.4	5600.3	5600.3
5°	5727.6	5679.5	5615.9	5567.7	5463.7	5358.1	5269.6	5219.9	5162.5	5154.7	5153.2
7.5°	5589.5	5519.6	5398.5	5263.4	5081.8	4906.3	4757.3	4656.3	4555.4	4536.8	4530.6
10°	5440.4	5345.7	5139.2	4901.6	4629.9	4367.5	4139.3	3960.8	3842.8	3758.9	3743.4
12.5°	5292.9	5167.1	4864.4	4510.4	4137.8	3779.1	3436.0	3144.1	2932.9	2810.3	2788.5
15°	5154.7	4979.3	4564.7	4112.9	3628.5	3137.9	2651.9	2273.0	1976.5	1870.9	1846.1
17.5°	5029.0	4810.0	4274.4	3701.5	3097.5	2456.3	1903.5	1566.6	1392.7	1339.9	1327.5
20°	4903.2	4636.1	3979.4	3268.3	2533.9	1815.0	1391.2	1232.8	1167.6	1147.4	1141.2
22.5°	4768.1	4445.2	3658.0	2841.3	1964.1	1358.6	1138.1	1068.2	1048.0	1049.6	1048.0
25°	4633.0	4251.1	3321.1	2377.1	1462.6	1102.4	993.7	967.3	971.9	985.9	989.0
27.5°	4521.3	4078.8	2990.4	1867.8	1142.7	948.7	897.4	895.9	912.9	931.6	934.7
30°	4440.5	3925.0	2664.3	1436.2	940.9	843.1	822.9	832.2	852.4	866.4	871.0
32.5°	4383.1	3793.1	2316.5	1128.8	824.4	768.6	759.2	768.6	781.0	794.9	798.1
35°	4362.9	3696.8	1974.9	920.7	745.3	714.2	708.0	712.7	718.9	726.6	729.7
37.5°	4407.9	3648.7	1617.8	801.2	697.1	678.5	669.2	666.1	667.6	670.7	672.3
40°	4541.4	3670.4	1325.9	731.3	666.1	649.0	633.5	627.3	625.7	628.8	627.3
42.5°	4771.2	3762.0	1114.8	690.9	641.2	616.4	599.3	593.1	593.1	600.9	600.9
45°	5108.1	3942.1	962.6	661.4	619.5	588.4	569.8	566.7	572.9	585.3	586.9
47.5°	5601.9	4206.1	871.0	639.7	599.3	563.6	545.0	543.4	555.8	576.0	577.6
50°	6187.2	4586.5	821.3	624.2	585.3	543.4	524.8	526.3	540.3	562.1	566.7
52.5°	6892.1	5105.0	824.4	617.9	577.6	531.0	512.4	509.3	523.2	545.0	549.6
55°	7620.3	5735.4	885.0	619.5	566.7	524.8	499.9	489.1	501.5	517.0	518.6
57.5°	8421.5	6446.5	1035.6	616.4	552.7	518.6	489.1	464.2	472.0	481.3	486.0
60°	9325.1	7283.4	1360.1	622.6	546.5	504.6	467.3	434.7	433.2	439.4	440.9
62.5°	10533.0	8421.5	1725.0	633.5	560.5	487.5	434.7	400.6	394.4	397.5	399.0
65°	11456.8	8964.9	1610.1	624.2	590.0	475.1	403.7	368.0	355.6	352.4	352.4
67.5°	11081.1	8246.0	1121.0	599.3	604.0	476.7	378.8	333.8	318.3	310.5	309.0
70°	9429.1	6698.0	779.4	574.5	588.4	473.6	352.4	305.9	285.7	274.8	273.3
72.5°	7449.5	5114.4	630.4	524.8	534.1	427.0	313.6	274.8	257.7	243.8	243.8
75°	4794.5	3120.8	526.3	467.3	436.3	332.3	271.7	245.3	228.2	214.3	214.3
77.5°	1613.2	1158.3	408.3	395.9	326.1	250.0	228.2	211.2	197.2	184.8	183.2
80°	655.2	549.6	299.7	299.7	228.2	191.0	178.6	170.8	161.5	145.9	145.9
82.5°	380.4	333.8	209.6	181.7	152.2	132.0	124.2	116.4	116.4	105.6	105.6
85°	183.2	184.8	125.8	111.8	86.9	76.1	73.0	68.3	66.8	60.6	59.0
87.5°	99.4	100.9	63.7	49.7	34.2	29.5	24.8	23.3	21.7	20.2	20.2
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)