

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: P639862

Luminaire Tested: GWS-SA5C-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639862
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-SA5C-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23980.4 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

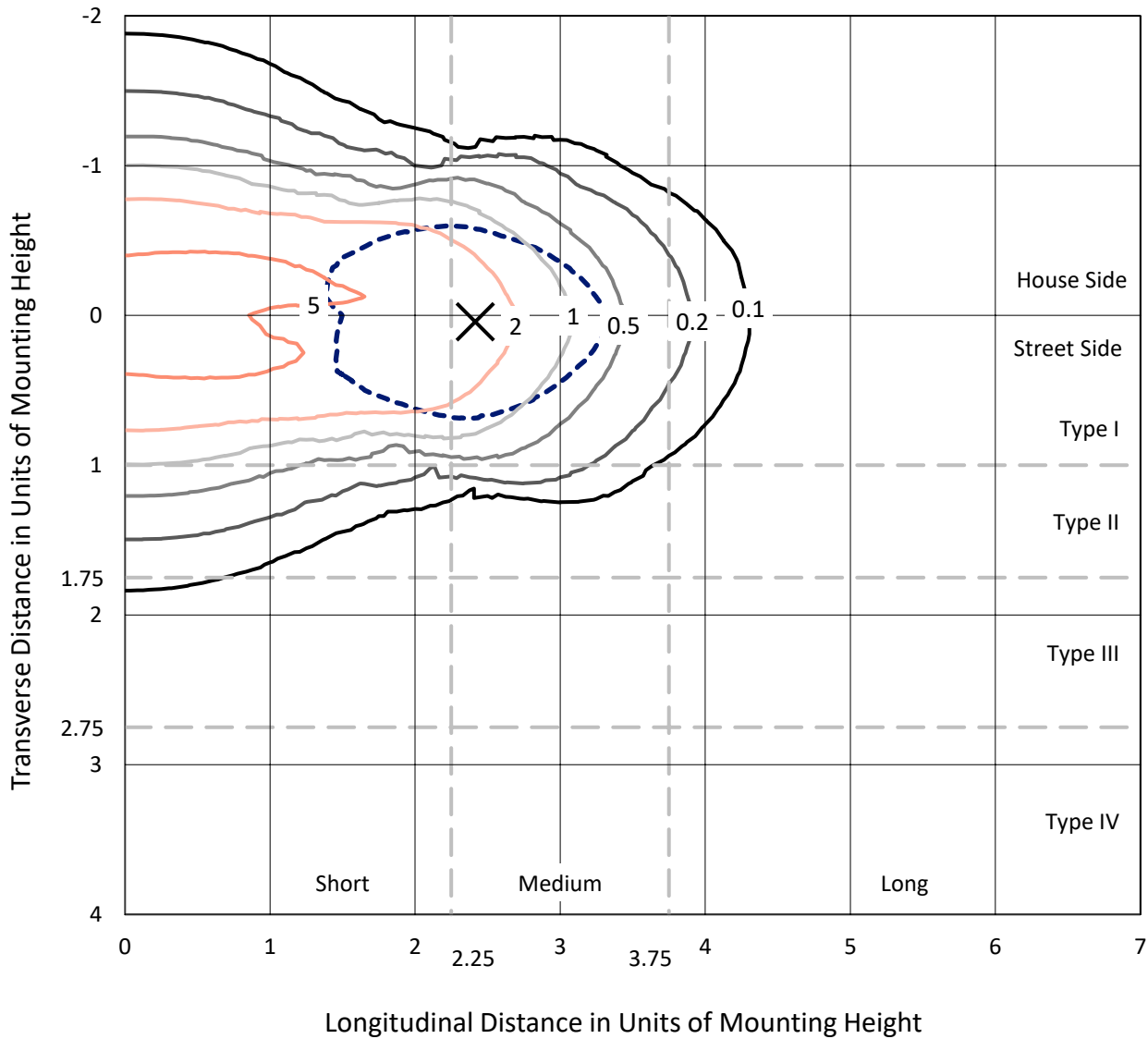
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

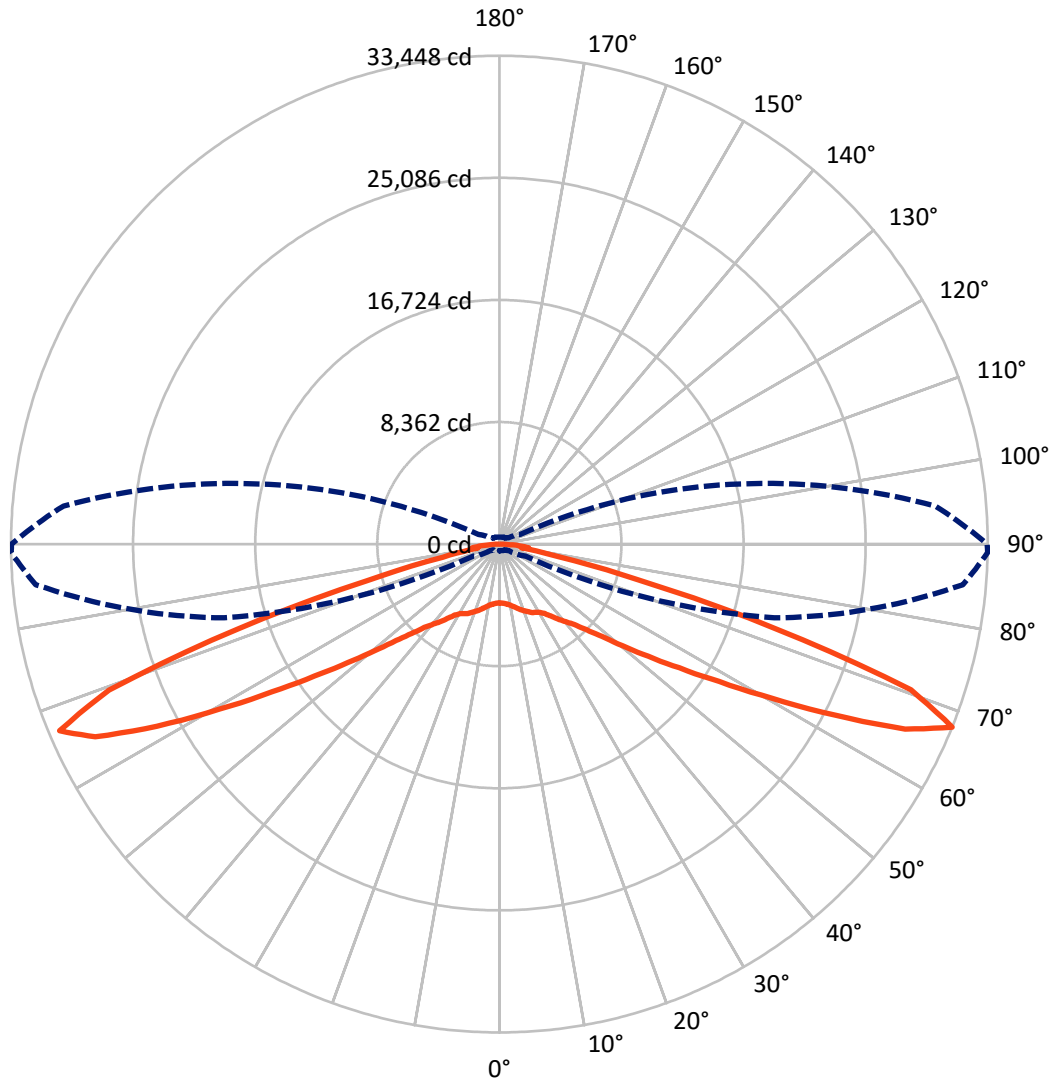
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	11885.1	0.0	11885.1
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	12095.3	0.0	12095.3
	% Fixture	50.4	0.0	50.4
Total	Lumens	23980.4	0.0	23980.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.7	1.7
10°-20°	1314.6	5.5
20°-30°	2222.3	9.3
30°-40°	3049.8	12.7
40°-50°	3889.2	16.2
50°-60°	4879.6	20.3
60°-70°	5885.2	24.5
70°-80°	2129.1	8.9
80°-90°	207.0	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°	23980.4	100.0
0°-180°	23980.4	100.0

Coefficient of Utilization



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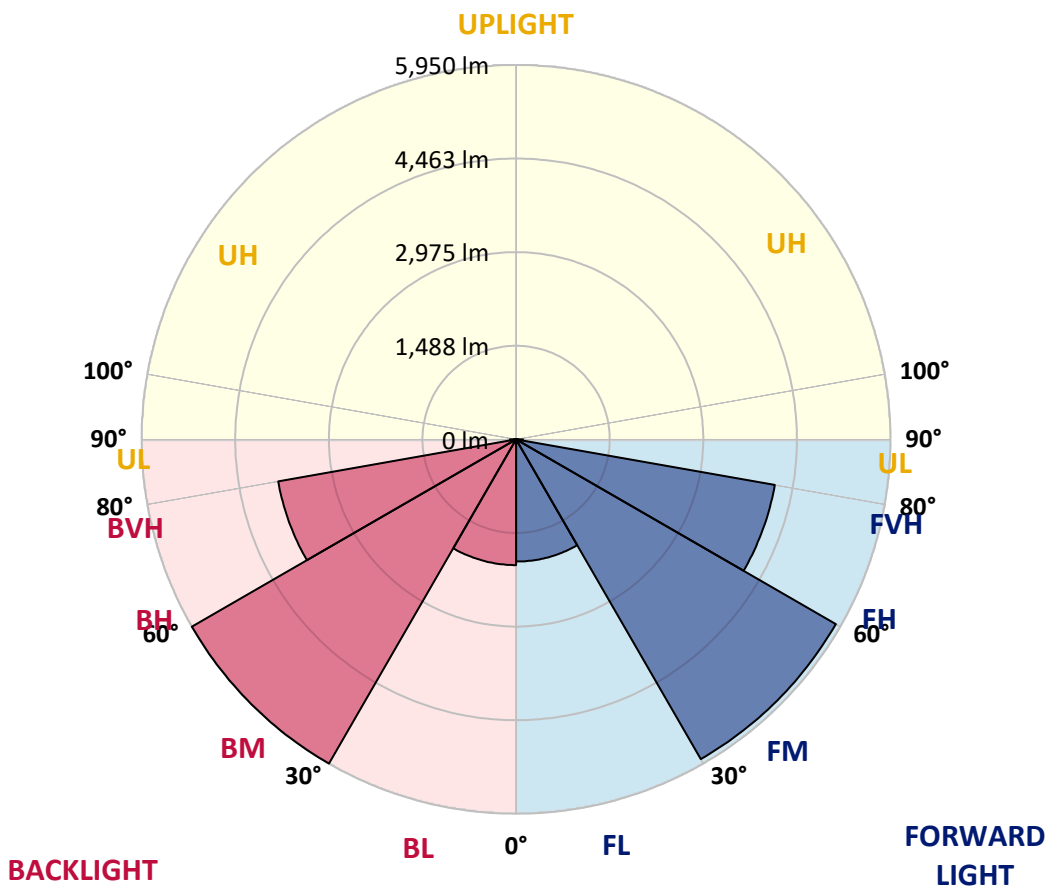
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1942.2	8.1			
FM (30°-60°)	5868.5	24.5			
FH (60°-80°)	4175.3	17.4			G2/5000
FVH (80°-90°)	109.2	0.5			G2/225
BL (0°-30°)	1998.4	8.3	B3/2500		
BM (30°-60°)	5950.0	24.8	B4/8500		
BH (60°-80°)	3838.9	16.0	B4/5000		G4/5000
BVH (80°-90°)	97.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9
2.5°	4037.0	4033.5	4024.9	4050.8	4045.6	4047.3	4057.6	4050.8	4038.7	4018.0	4047.3
5°	4150.6	4148.9	4130.0	4145.5	4128.3	4116.2	4114.5	4097.3	4083.5	4061.1	4092.1
7.5°	4260.9	4259.1	4243.6	4271.2	4257.4	4243.6	4228.1	4193.7	4161.0	4128.3	4162.7
10°	4345.3	4343.5	4340.1	4379.7	4383.1	4388.3	4381.4	4322.9	4266.0	4226.4	4260.9
12.5°	4393.5	4398.6	4407.3	4479.6	4515.8	4550.2	4558.8	4510.6	4415.9	4359.0	4400.4
15°	4360.8	4371.1	4414.1	4545.0	4644.9	4722.4	4755.2	4715.5	4593.3	4498.5	4545.0
17.5°	4204.0	4212.6	4297.0	4496.8	4717.3	4896.4	4949.8	4925.7	4789.6	4674.2	4719.0
20°	3987.0	4006.0	4097.3	4376.3	4705.2	5016.9	5159.9	5151.3	5003.2	4825.8	4879.2
22.5°	3790.7	3813.1	3909.5	4217.8	4624.3	5047.9	5371.7	5394.1	5197.8	4977.3	5020.4
25°	3570.2	3590.9	3714.9	4030.1	4484.8	5023.8	5552.6	5654.2	5418.2	5151.3	5190.9
27.5°	3344.6	3360.1	3482.4	3818.2	4302.2	4979.0	5695.5	5940.1	5635.2	5271.8	5299.4
30°	3146.6	3167.2	3279.2	3606.4	4102.4	4889.5	5812.6	6244.9	5885.0	5407.9	5430.3
32.5°	2955.4	2972.6	3094.9	3398.0	3890.6	4751.7	5917.7	6603.1	6255.2	5661.1	5661.1
35°	2714.3	2745.3	2883.1	3198.2	3690.8	4569.2	5993.5	7019.9	6761.6	6034.8	6036.5
37.5°	2492.1	2509.3	2654.0	2972.6	3480.7	4362.5	6000.3	7452.2	7402.3	6510.1	6513.6
40°	2238.9	2261.3	2416.3	2731.5	3239.6	4145.5	5934.9	7855.2	8073.9	6999.3	6980.3
42.5°	1982.3	2015.0	2163.2	2471.4	2979.5	3880.2	5761.0	8239.3	8926.5	7565.9	7519.4
45°	1734.3	1755.0	1903.1	2194.2	2681.6	3563.4	5481.9	8607.8	9939.2	8427.0	8359.8
47.5°	1455.3	1463.9	1617.2	1896.2	2373.3	3210.3	5082.4	8936.8	11051.7	9567.1	9451.8
50°	1207.3	1219.4	1339.9	1579.3	1996.1	2791.8	4584.7	9129.7	12469.1	11122.3	10922.6
52.5°	976.5	988.6	1085.0	1276.2	1649.9	2314.7	3968.1	9084.9	13907.2	13053.0	12761.9
55°	788.8	797.4	862.9	1012.7	1298.6	1841.1	3239.6	8683.6	15503.8	15574.4	14947.5
57.5°	666.5	670.0	714.7	806.0	1014.4	1419.1	2500.7	7736.4	17177.8	18791.6	17761.6
60°	595.9	597.6	618.3	675.1	800.8	1083.3	1832.5	6227.7	18912.1	22816.5	21404.2
62.5°	551.1	551.1	568.3	601.1	664.8	833.6	1346.8	4472.7	20157.3	27196.2	25792.5
65°	508.1	508.1	520.1	547.7	582.1	680.3	1011.0	2884.8	20768.7	30857.7	30546.0
67.5°	453.0	454.7	463.3	492.6	523.6	568.3	766.4	1951.3	19499.4	31870.4	33448.0
70°	401.3	403.0	415.1	434.0	459.8	490.8	599.3	1345.1	14193.1	26543.4	29907.0
72.5°	344.5	351.3	360.0	380.6	396.1	418.5	489.1	871.5	8258.2	17074.5	19769.8
75°	282.5	291.1	301.4	322.1	332.4	341.0	403.0	621.7	3973.2	8652.6	9853.0
77.5°	218.7	227.3	239.4	258.3	265.2	275.6	308.3	449.5	1903.1	3835.5	4135.1
80°	146.4	149.8	160.2	182.6	194.6	201.5	227.3	306.6	826.7	1539.7	1525.9
82.5°	89.6	91.3	94.7	108.5	113.7	120.6	148.1	187.7	394.4	1749.8	2006.4
85°	32.7	31.0	29.3	37.9	44.8	51.7	68.9	94.7	172.2	1202.1	1345.1
87.5°	0.0	0.0	0.0	1.7	3.4	3.4	6.9	13.8	41.3	449.5	308.3
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°	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9	4024.9
2.5°	4038.7	4019.8	4043.9	4061.1	4099.0	4112.8	4116.2	4104.1	4104.1	4083.5	4086.9
5°	4085.2	4073.1	4112.8	4142.0	4197.1	4217.8	4231.6	4223.0	4228.1	4214.4	4217.8
7.5°	4155.8	4145.5	4214.4	4271.2	4328.0	4352.1	4364.2	4357.3	4359.0	4341.8	4347.0
10°	4254.0	4257.4	4340.1	4414.1	4489.9	4514.0	4519.2	4498.5	4481.3	4450.3	4452.0
12.5°	4388.3	4405.5	4522.6	4605.3	4682.8	4717.3	4679.4	4603.6	4533.0	4479.6	4472.7
15°	4534.7	4565.7	4734.5	4839.5	4923.9	4906.7	4794.8	4624.3	4484.8	4405.5	4390.0
17.5°	4710.4	4756.9	4968.7	5094.4	5166.8	5056.5	4822.3	4567.4	4372.8	4266.0	4245.4
20°	4875.7	4949.8	5216.7	5380.3	5388.9	5140.9	4810.3	4452.0	4207.5	4076.6	4049.0
22.5°	5027.3	5122.0	5476.8	5685.2	5573.2	5178.8	4736.2	4288.4	4007.7	3854.4	3830.3
25°	5192.6	5326.9	5779.9	5974.5	5757.5	5163.3	4581.2	4085.2	3766.6	3609.9	3592.6
27.5°	5306.3	5475.1	6084.7	6270.7	5909.1	5075.5	4381.4	3863.0	3546.1	3398.0	3373.9
30°	5437.2	5652.5	6420.6	6592.8	6002.1	4946.3	4167.9	3656.4	3341.2	3181.0	3163.8
32.5°	5674.8	5945.2	6837.4	6933.8	6031.3	4786.2	3962.9	3456.6	3127.6	2967.5	2943.3
35°	6057.2	6374.1	7422.9	7314.4	6009.0	4610.5	3768.3	3222.3	2908.9	2759.1	2734.9
37.5°	6539.4	6933.8	8075.7	7657.2	5947.0	4417.6	3537.5	3026.0	2712.6	2561.0	2547.2
40°	6988.9	7474.6	8807.6	7953.4	5821.2	4179.9	3315.3	2821.1	2500.7	2340.5	2309.5
42.5°	7552.1	8197.9	9655.0	8210.0	5614.6	3895.7	3065.6	2567.9	2235.5	2090.8	2052.9
45°	8408.1	9210.6	10640.1	8456.3	5306.3	3546.1	2752.2	2259.6	1944.4	1796.3	1767.0
47.5°	9475.9	10476.5	11707.9	8602.7	4837.8	3177.6	2397.4	1934.1	1618.9	1451.9	1438.1
50°	10976.0	12317.6	12853.2	8576.8	4314.3	2740.1	1997.8	1546.6	1283.1	1162.5	1143.6
52.5°	12803.3	14628.9	14091.5	8266.8	3758.0	2242.4	1556.9	1214.2	1017.9	931.7	916.2
55°	15095.6	17396.5	15395.3	7602.0	3055.3	1717.1	1222.8	957.6	823.2	771.6	764.7
57.5°	17933.9	20980.5	16650.8	6482.6	2297.5	1310.6	942.1	790.5	726.8	695.8	694.1
60°	21679.8	24785.0	17741.0	5037.6	1644.8	1002.4	778.5	706.1	656.2	635.5	633.8
62.5°	26133.5	28239.9	18419.5	3430.7	1236.6	799.1	685.5	640.7	611.4	599.3	597.6
65°	30711.3	30423.7	18095.8	2247.5	938.6	678.6	614.8	590.7	564.9	552.8	552.8
67.5°	33415.2	29962.1	15610.5	1560.4	744.0	595.9	554.6	532.2	489.1	478.8	478.8
70°	29597.0	24278.7	10231.9	1141.9	602.8	521.8	482.2	451.2	434.0	423.7	422.0
72.5°	19575.2	15798.3	5440.6	792.2	502.9	444.3	408.2	396.1	375.5	365.1	363.4
75°	9742.8	8297.8	2788.3	571.8	418.5	356.5	341.0	335.8	318.6	304.8	301.4
77.5°	4061.1	3694.2	1300.3	415.1	318.6	287.6	273.8	273.8	254.9	239.4	232.5
80°	1531.1	1364.0	614.8	284.2	235.9	213.6	204.9	198.1	182.6	163.6	153.3
82.5°	2047.8	1338.2	301.4	177.4	155.0	137.8	125.7	120.6	111.9	103.3	96.4
85°	1326.1	950.7	136.1	91.3	77.5	58.6	51.7	48.2	43.1	37.9	34.4
87.5°	270.4	318.6	41.3	17.2	10.3	5.2	5.2	1.7	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)