

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: P640293

Luminaire Tested: GWS-SA5D-750-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-750-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29512.2 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

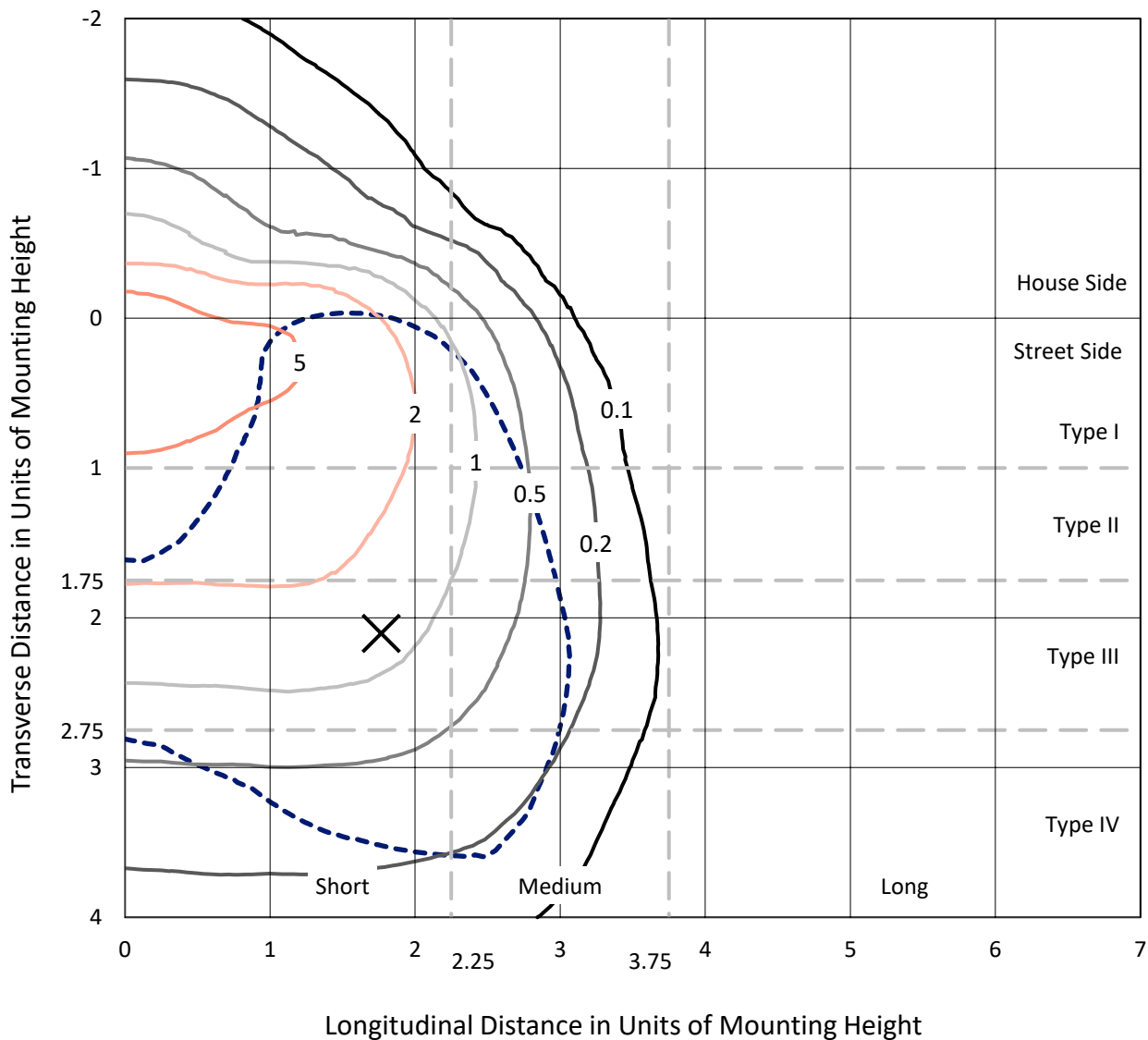
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

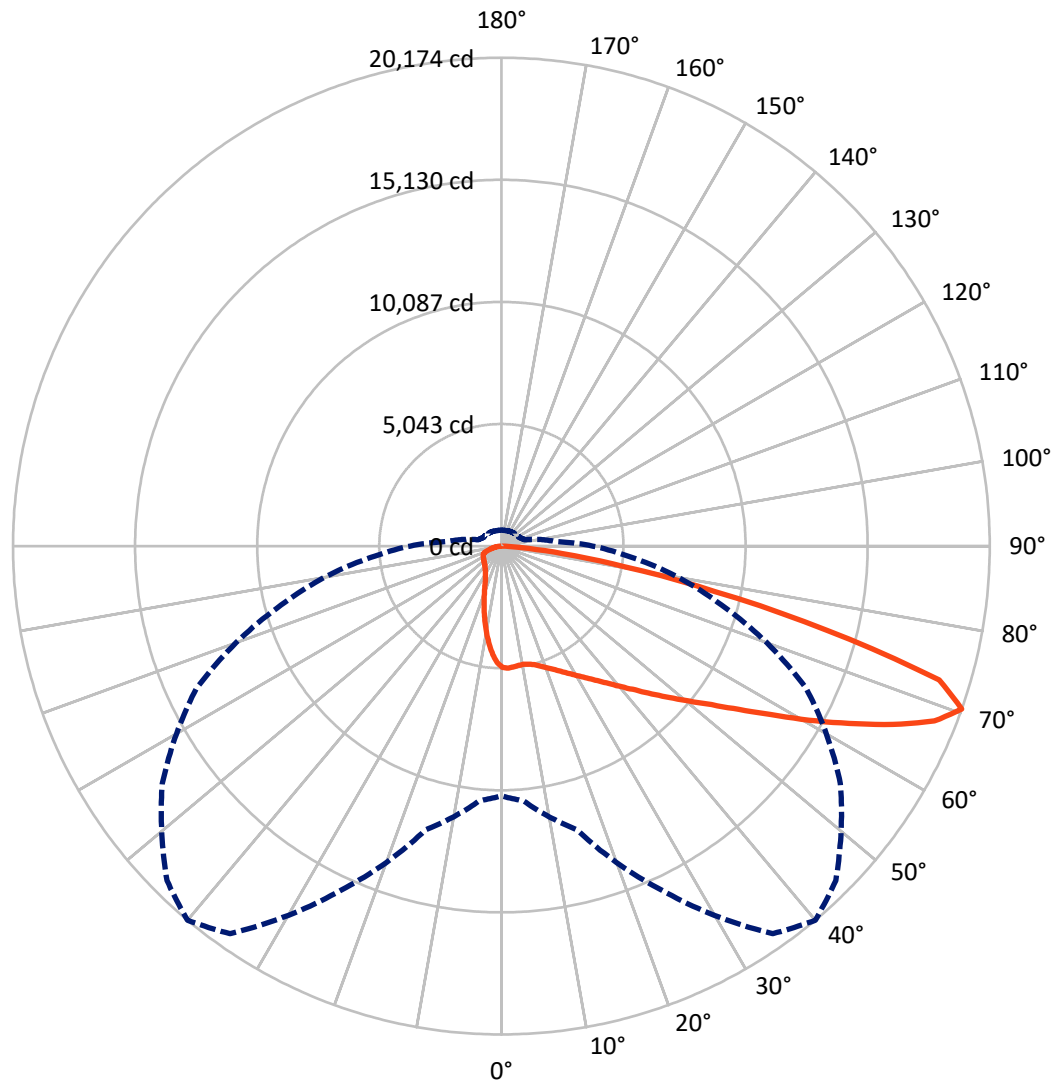
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4545.6	0.0	4545.6
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	24966.6	0.0	24966.6
	% Fixture	84.6	0.0	84.6
Total	Lumens	29512.2	0.0	29512.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.7	1.5
10°-20°	1154.0	3.9
20°-30°	1812.0	6.1
30°-40°	2724.4	9.2
40°-50°	4205.1	14.2
50°-60°	6245.0	21.2
60°-70°	7871.7	26.7
70°-80°	4552.1	15.4
80°-90°	505.2	1.7
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°	29512.2	100.0
0°-180°	29512.2	100.0

Coefficient of Utilization



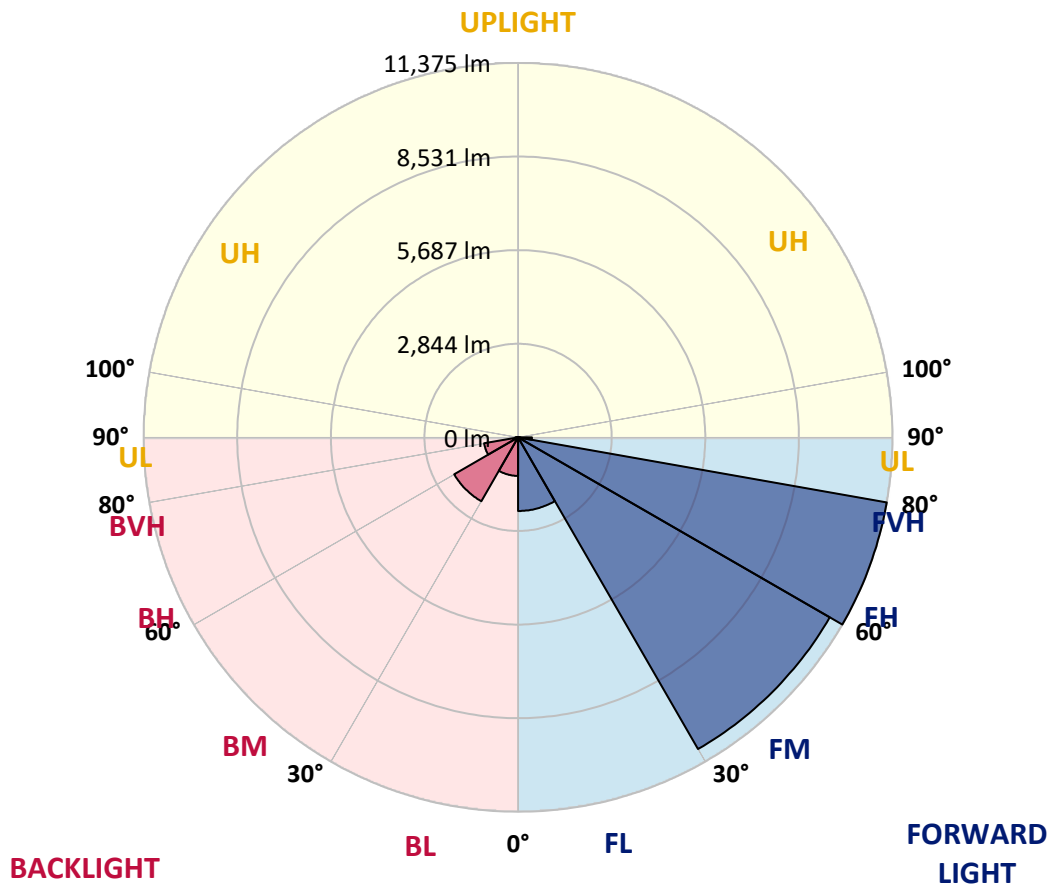
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2237.2	7.6			
FM (30°-60°)	10933.9	37.0			
FH (60°-80°)	11374.7	38.5			G4/12000
FVH (80°-90°)	420.7	1.4			G3/500
BL (0°-30°)	1171.5	4.0	B3/2500		
BM (30°-60°)	2240.6	7.6	B2/2500		
BH (60°-80°)	1049.1	3.6	B3/2500		G3/2500
BVH (80°-90°)	84.5	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5
2.5°	5042.4	5051.2	5057.8	5066.6	5062.2	5049.0	5060.0	5060.0	5035.7	5009.3	4985.1
5°	5049.0	5060.0	5057.8	5055.6	5037.9	5015.9	5015.9	5002.7	4960.8	4919.0	4879.3
7.5°	5035.7	5033.5	5031.3	5024.7	5004.9	4980.7	4976.3	4949.8	4894.8	4837.5	4780.2
10°	4976.3	4974.1	4980.7	4996.1	4991.7	4969.7	4969.7	4945.4	4881.5	4811.0	4736.2
12.5°	4927.8	4927.8	4954.2	4996.1	5011.5	5002.7	5004.9	4987.3	4914.6	4830.9	4742.8
15°	4934.4	4936.6	4993.9	5062.2	5090.8	5084.2	5086.4	5066.6	4985.1	4901.4	4782.4
17.5°	4978.5	4989.5	5088.6	5183.3	5220.8	5212.0	5196.6	5163.5	5071.0	4976.3	4830.9
20°	5071.0	5088.6	5216.4	5335.3	5379.4	5359.6	5333.1	5267.0	5165.7	5062.2	4883.7
22.5°	5253.8	5264.8	5405.8	5522.6	5557.8	5533.6	5480.7	5386.0	5269.2	5161.3	4947.6
25°	5511.6	5524.8	5659.2	5767.1	5758.3	5729.6	5656.9	5540.2	5401.4	5286.9	5040.1
27.5°	5817.8	5839.8	5972.0	6057.9	6000.6	5958.7	5877.2	5736.3	5579.8	5476.3	5181.1
30°	6152.6	6161.4	6273.7	6359.7	6271.5	6214.3	6115.1	5963.1	5822.2	5745.1	5392.6
32.5°	6476.4	6485.2	6582.2	6630.6	6538.1	6496.2	6410.3	6249.5	6150.4	6108.5	5707.6
35°	6817.9	6815.7	6895.0	6936.8	6842.1	6824.5	6736.4	6613.0	6595.4	6650.4	6168.0
37.5°	7159.3	7139.5	7181.3	7236.4	7183.5	7201.2	7143.9	7102.0	7170.3	7313.5	6780.4
40°	7432.5	7432.5	7476.5	7544.8	7562.4	7639.5	7606.5	7661.6	7881.8	8223.3	7538.2
42.5°	7674.8	7677.0	7769.5	7875.2	8003.0	8122.0	8148.4	8291.6	8747.6	9282.9	8489.8
45°	7928.1	7930.3	8055.9	8210.1	8481.0	8707.9	8760.8	9082.4	9734.4	10386.5	9523.0
47.5°	8221.1	8196.8	8370.9	8628.6	9014.1	9340.1	9476.7	9932.7	10756.6	11558.4	10496.6
50°	8551.5	8500.8	8694.7	9139.7	9615.5	10062.7	10291.8	10813.8	11853.6	12640.0	11413.0
52.5°	8923.8	8895.2	9097.8	9639.7	10366.7	10882.1	11192.7	11877.8	12919.8	13717.2	12140.0
55°	9386.4	9318.1	9611.1	10300.6	11247.8	11904.3	12272.1	12930.8	14085.1	14695.3	12695.1
57.5°	9893.1	9818.2	10210.3	11126.7	12393.3	13113.6	13574.0	14115.9	15182.1	15444.3	13021.1
60°	10439.4	10415.1	10879.9	12095.9	13759.1	14596.2	14928.8	15420.0	16136.0	15878.2	12939.6
62.5°	10939.4	10930.6	11606.9	13146.7	15206.4	16127.1	16391.5	16521.5	16823.3	15849.6	12292.0
65°	11465.9	11540.8	12455.0	14364.9	16865.1	17768.3	17878.4	17548.0	17054.6	15098.4	10965.8
67.5°	11532.0	11677.4	12988.1	15505.9	18438.0	19290.5	19202.3	17937.9	16371.7	13007.9	8595.6
70°	10313.8	10567.1	12137.8	15680.0	19546.0	20173.8	19537.2	17098.6	13893.4	9423.8	5405.8
72.5°	8617.6	8835.7	10223.5	13371.4	18116.3	18916.0	18054.7	14472.8	9818.2	5405.8	2753.6
75°	6707.7	6961.0	8240.9	10628.8	13563.0	13882.4	13450.7	10093.5	5397.0	2229.3	1251.2
77.5°	4092.9	4275.8	5271.4	7201.2	9489.9	9011.9	7637.3	5659.2	2368.1	1068.4	773.2
80°	1810.8	1923.1	2597.2	3868.2	5482.9	5183.3	4086.3	2416.5	1295.3	678.5	539.7
82.5°	971.5	1044.2	1279.9	1531.0	2407.7	2517.9	2042.1	1392.2	696.1	387.7	308.4
85°	427.4	469.2	581.6	555.1	790.8	777.6	784.2	956.0	332.6	178.4	200.5
87.5°	0.0	0.0	0.0	0.0	2.2	2.2	24.2	127.8	33.0	52.9	46.3
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°	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5	5011.5
2.5°	4958.6	4919.0	4908.0	4894.8	4870.5	4828.7	4797.8	4762.6	4747.2	4729.5	4731.7
5°	4835.3	4786.8	4740.6	4681.1	4606.2	4522.5	4465.2	4399.1	4363.9	4330.8	4339.6
7.5°	4729.5	4654.6	4559.9	4434.4	4300.0	4150.2	4029.0	3934.3	3870.4	3826.4	3848.4
10°	4663.5	4575.3	4410.1	4205.3	3978.4	3749.3	3575.2	3412.2	3310.9	3231.6	3227.2
12.5°	4650.2	4535.7	4295.6	3998.2	3670.0	3363.8	3108.2	2888.0	2753.6	2654.4	2691.9
15°	4663.5	4518.1	4196.5	3806.5	3392.4	2978.3	2661.1	2407.7	2246.9	2156.6	2150.0
17.5°	4678.9	4500.4	4084.1	3599.5	3101.6	2628.0	2260.1	1991.4	1826.2	1735.9	1738.1
20°	4692.1	4474.0	3951.9	3372.6	2806.4	2302.0	1920.9	1665.4	1517.8	1451.7	1462.7
22.5°	4714.1	4447.6	3811.0	3130.3	2504.7	1987.0	1652.1	1445.1	1357.0	1312.9	1315.1
25°	4756.0	4432.2	3665.6	2865.9	2207.3	1735.9	1467.1	1328.3	1273.3	1246.8	1244.6
27.5°	4841.9	4445.4	3513.6	2610.4	1938.5	1544.2	1348.2	1257.8	1220.4	1202.8	1200.6
30°	4985.1	4498.2	3381.4	2350.5	1707.2	1394.4	1266.6	1211.6	1189.5	1174.1	1171.9
32.5°	5203.2	4597.4	3238.2	2108.1	1520.0	1284.3	1202.8	1174.1	1158.7	1149.9	1149.9
35°	5533.6	4778.0	3097.2	1896.7	1374.6	1198.4	1152.1	1141.1	1127.9	1123.5	1127.9
37.5°	6009.4	5066.6	2969.5	1711.6	1271.1	1132.3	1097.0	1101.4	1090.4	1097.0	1103.6
40°	6613.0	5452.1	2861.5	1559.6	1194.0	1083.8	1048.6	1064.0	1057.4	1064.0	1075.0
42.5°	7377.4	5930.1	2780.0	1440.7	1138.9	1044.2	1011.1	1026.5	1022.1	1030.9	1042.0
45°	8229.9	6560.1	2742.6	1357.0	1099.2	1015.5	980.3	991.3	986.9	993.5	1004.5
47.5°	9047.2	7132.9	2775.6	1308.5	1066.2	991.3	953.8	958.2	956.0	953.8	960.4
50°	9752.1	7588.9	2870.3	1293.1	1044.2	967.1	931.8	934.0	927.4	914.2	918.6
52.5°	10327.0	7954.5	2927.6	1293.1	1033.1	940.6	907.6	909.8	896.6	878.9	881.1
55°	10705.9	8102.1	2881.3	1290.9	1028.7	918.6	883.3	885.6	872.3	850.3	852.5
57.5°	10813.8	7958.9	2687.5	1266.6	1024.3	901.0	859.1	863.5	854.7	830.5	830.5
60°	10512.1	7434.7	2332.8	1211.6	1013.3	890.0	841.5	848.1	843.7	819.5	819.5
62.5°	9721.2	6502.8	1909.9	1127.9	982.5	876.7	826.1	839.3	850.3	837.1	834.9
65°	8240.9	5209.8	1553.0	1035.3	942.8	854.7	804.0	837.1	861.3	878.9	878.9
67.5°	6183.4	3729.4	1266.6	938.4	883.3	810.7	775.4	806.2	823.9	834.9	841.5
70°	3769.1	2194.1	997.9	826.1	797.4	744.6	718.1	687.3	663.1	658.7	660.9
72.5°	1843.8	1255.6	810.7	702.7	680.7	632.2	572.7	559.5	548.5	541.9	539.7
75°	1015.5	874.5	669.7	583.8	544.1	484.6	471.4	449.4	445.0	436.2	438.4
77.5°	718.1	689.5	552.9	473.6	414.1	383.3	389.9	374.5	374.5	367.9	365.7
80°	539.7	541.9	425.2	345.8	306.2	295.2	301.8	301.8	297.4	295.2	293.0
82.5°	341.4	385.5	286.4	222.5	218.1	220.3	218.1	215.9	220.3	213.7	211.5
85°	235.7	277.6	174.0	132.2	132.2	130.0	134.4	132.2	136.6	130.0	130.0
87.5°	52.9	123.4	63.9	39.7	41.9	39.7	41.9	44.1	48.5	50.7	50.7
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)