

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: P637894

Luminaire Tested: GWS-SA4D-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24723.6 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

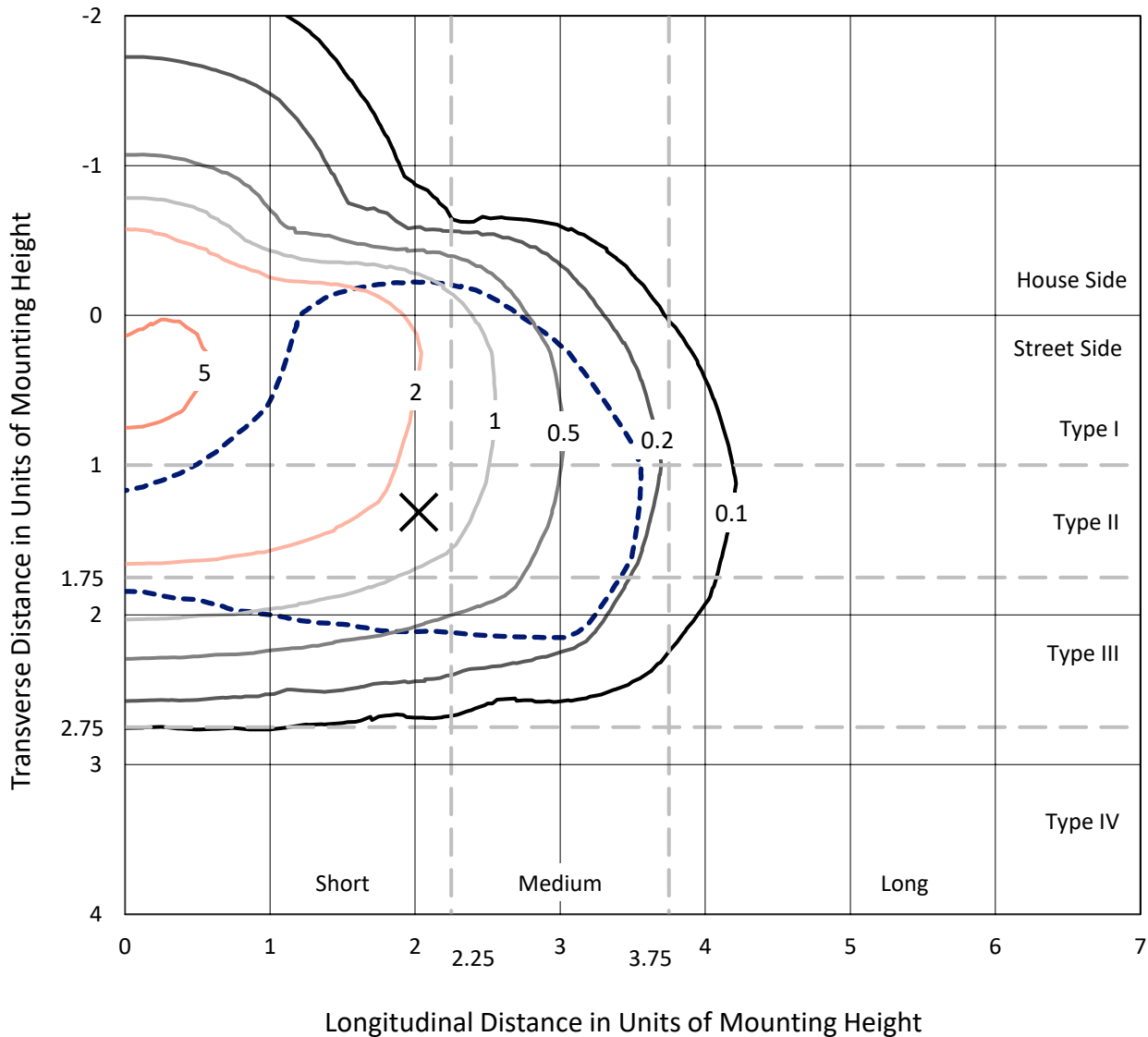
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637894
 CATALOG NUMBER: GWS-SA4D-760-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

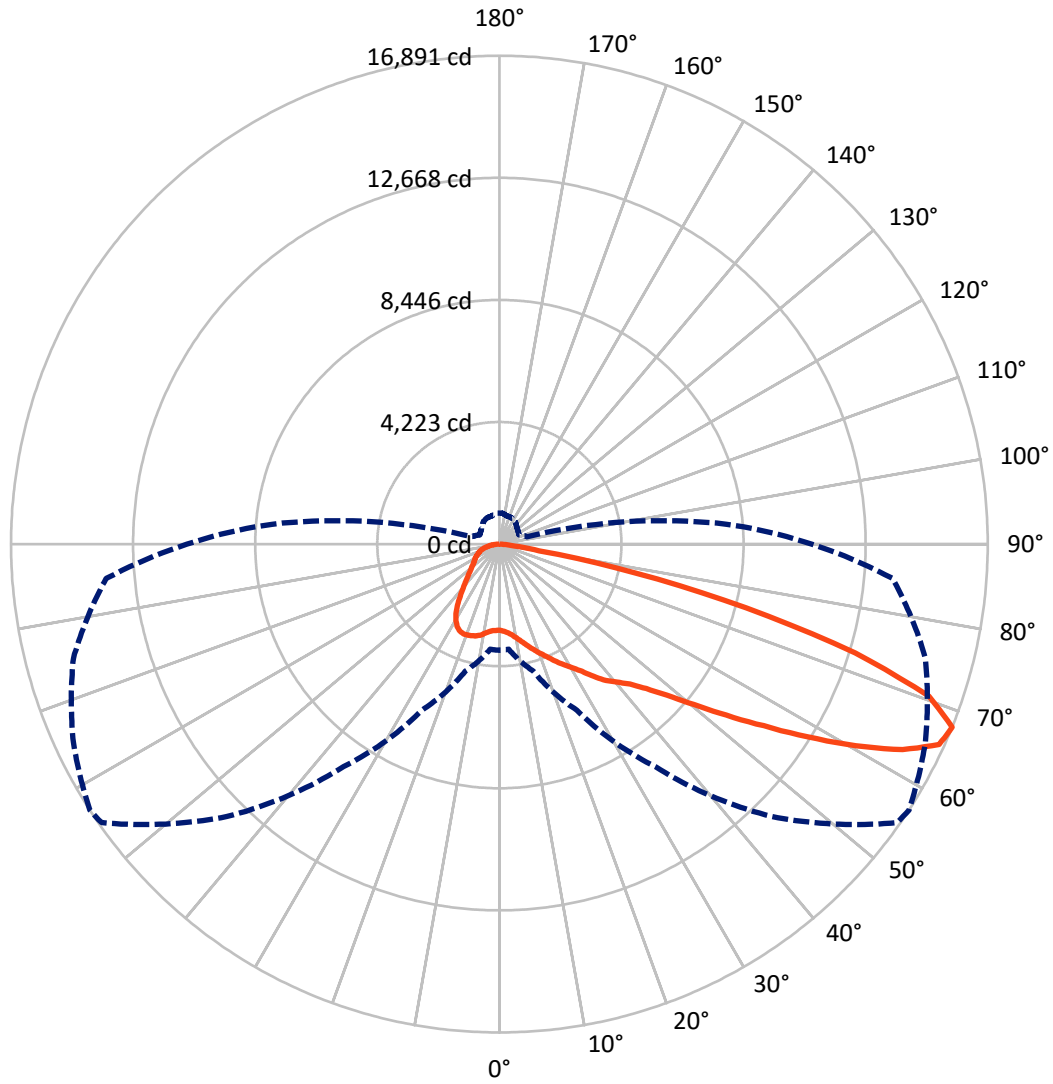
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - N/A

REPORT NUMBER: P637894
CATALOG NUMBER: GWS-SA4D-760-U-T3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P637894

CATALOG NUMBER: GWS-SA4D-760-U-T3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5435.8	0.0	5435.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	19287.8	0.0	19287.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	24723.6	0.0	24723.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.5	1.2
10°-20°	978.1	4.0
20°-30°	1743.8	7.1
30°-40°	2535.2	10.3
40°-50°	3669.4	14.8
50°-60°	5742.4	23.2
60°-70°	6698.9	27.1
70°-80°	2796.4	11.3
80°-90°	263.9	1.1
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°	24723.6	100.0
0°-180°	24723.6	100.0

Coefficient of Utilization



REPORT NUMBER: P637894

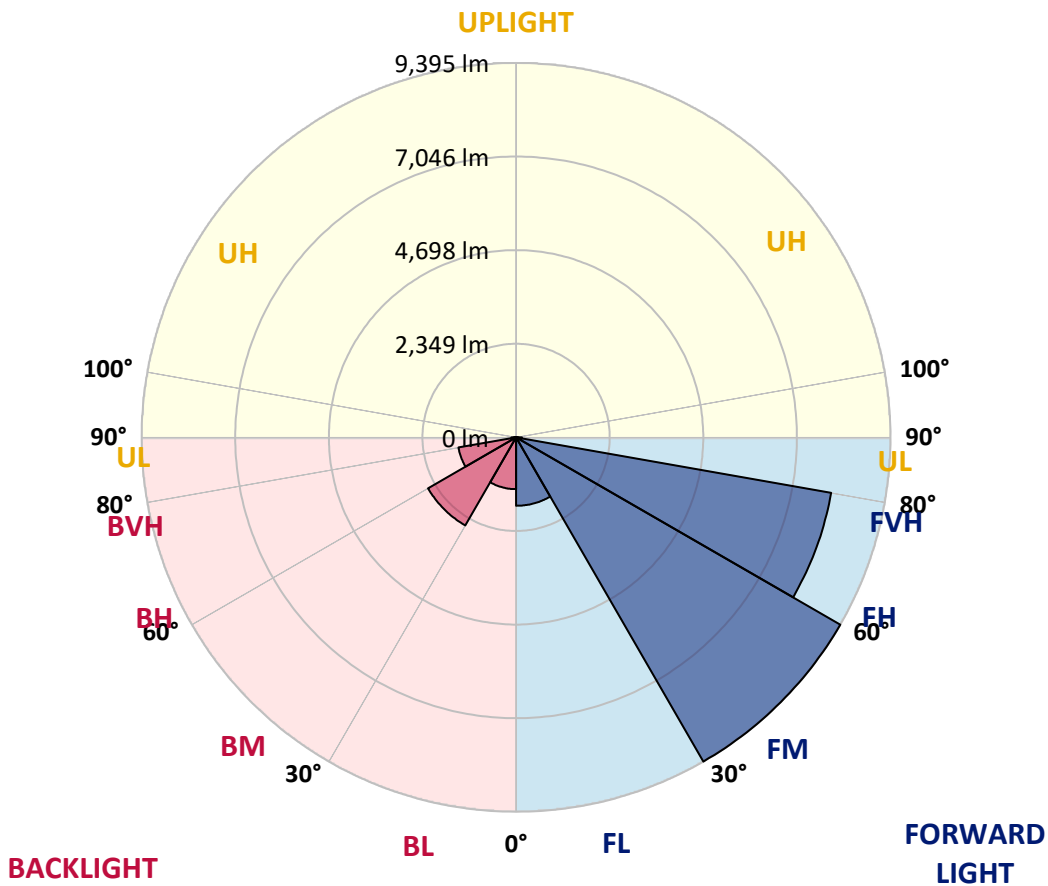
CATALOG NUMBER: GWS-SA4D-760-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1717.3	6.9			
FM (30°-60°)	9395.3	38.0			
FH (60°-80°)	8028.2	32.5			G4/12000
FVH (80°-90°)	147.0	0.6			G2/225
BL (0°-30°)	1300.1	5.3	B3/2500		
BM (30°-60°)	2551.7	10.3	B3/5000		
BH (60°-80°)	1467.1	5.9	B3/2500		G3/2500
BVH (80°-90°)	116.9	0.5			G2/225
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 Short





REPORT NUMBER: P637894

CATALOG NUMBER: GWS-SA4D-760-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0
2.5°	3021.5	3018.0	3016.2	3026.8	3023.3	3021.5	3021.5	3019.8	3016.2	3002.1	2982.6
5°	3104.8	3097.7	3090.6	3099.5	3092.4	3085.3	3083.5	3080.0	3067.6	3046.3	3016.2
7.5°	3191.6	3184.5	3186.2	3191.6	3186.2	3182.7	3177.4	3173.8	3154.4	3120.7	3080.0
10°	3313.8	3313.8	3317.3	3322.6	3324.4	3319.1	3308.5	3303.1	3280.1	3237.6	3180.9
12.5°	3490.9	3487.3	3487.3	3483.8	3489.1	3483.8	3473.2	3464.3	3436.0	3381.1	3299.6
15°	3724.7	3710.5	3698.1	3675.1	3668.0	3648.5	3652.1	3646.7	3620.2	3545.8	3443.1
17.5°	3974.4	3972.6	3953.1	3907.1	3861.0	3829.2	3836.2	3834.5	3820.3	3719.4	3588.3
20°	4194.0	4202.9	4185.2	4149.7	4087.7	4027.5	4024.0	4032.8	4015.1	3914.2	3731.8
22.5°	4440.2	4433.1	4415.4	4369.4	4323.3	4259.5	4238.3	4231.2	4224.1	4109.0	3878.8
25°	4674.0	4695.2	4672.2	4629.7	4558.9	4489.8	4472.1	4479.2	4459.7	4307.4	4036.4
27.5°	4969.8	4978.6	4964.5	4906.0	4845.8	4748.4	4714.7	4714.7	4707.6	4493.3	4160.4
30°	5285.0	5309.8	5285.0	5237.2	5175.2	5035.3	4962.7	4955.6	4934.3	4684.6	4305.6
32.5°	5602.1	5619.8	5602.1	5556.0	5485.2	5363.0	5258.5	5242.5	5214.2	4893.6	4454.4
35°	5883.7	5899.6	5896.1	5906.7	5848.2	5694.2	5630.4	5623.3	5548.9	5166.4	4656.3
37.5°	6191.8	6211.3	6184.8	6206.0	6183.0	6037.8	6018.3	5982.8	5876.6	5423.2	4868.8
40°	6542.5	6560.2	6517.7	6526.6	6500.0	6418.5	6319.4	6271.5	6113.9	5701.2	5203.6
42.5°	6918.0	6958.7	6978.2	6962.3	6900.3	6854.2	6680.7	6620.5	6489.4	6202.5	5754.4
45°	7461.7	7522.0	7550.3	7509.6	7483.0	7417.5	7204.9	7132.3	7063.2	6909.1	6523.0
47.5°	8048.0	8102.9	8193.2	8210.9	8232.2	8182.6	7883.3	7812.4	7824.8	7807.1	7468.8
50°	8515.5	8561.6	8765.3	8983.1	9163.8	9177.9	8795.4	8719.2	8786.5	8843.2	8607.6
52.5°	8855.6	8896.3	9165.6	9615.4	10024.5	10327.4	9914.7	9828.0	9882.9	10010.4	9902.3
55°	9131.9	9188.6	9470.2	10160.9	10988.0	11466.2	11202.3	11092.5	11069.5	11227.1	11289.1
57.5°	9277.1	9294.8	9689.8	10587.8	11694.7	12583.8	12698.9	12575.0	12355.3	12442.1	12764.5
60°	8945.9	8976.0	9516.2	10697.6	12252.6	13692.5	14269.9	14167.2	13699.6	13747.4	14103.4
62.5°	8030.3	8072.8	8722.8	10175.1	12298.7	14432.9	15720.5	15654.9	15028.0	14769.4	14875.6
65°	6441.6	6455.7	7128.8	8882.2	11383.0	14525.0	16731.8	16715.8	15956.0	15350.3	14895.1
67.5°	3673.3	3648.5	4548.2	6335.3	9394.0	13327.7	16797.3	16891.2	16257.1	15254.7	13655.3
70°	1592.2	1595.8	2010.2	3126.0	6080.3	10772.0	15601.8	15763.0	15385.7	13662.4	10864.1
72.5°	736.8	747.4	926.3	1353.1	2596.5	6682.4	12722.0	12867.2	12543.1	10934.9	7904.5
75°	520.7	529.6	618.1	775.8	1193.7	2603.5	8510.2	8814.9	8972.5	8179.0	5208.9
77.5°	395.0	407.4	451.6	538.4	736.8	922.8	4071.8	4798.0	5715.4	5088.4	2683.2
80°	251.5	251.5	299.3	359.5	449.9	480.0	1176.0	1393.9	2796.6	2097.0	1053.8
82.5°	170.0	175.3	203.7	228.5	258.6	272.8	504.8	538.4	807.6	713.8	433.9
85°	90.3	93.9	106.3	104.5	124.0	108.0	212.5	210.8	295.8	324.1	164.7
87.5°	0.0	0.0	1.8	1.8	3.5	5.3	23.0	24.8	62.0	99.2	54.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637894
 CATALOG NUMBER: GWS-SA4D-760-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0	2979.0
2.5°	2993.2	2971.9	2982.6	2979.0	2989.7	2989.7	2970.2	2964.9	2966.6	2945.4	2938.3
5°	3019.8	2995.0	3000.3	2993.2	3003.8	3012.7	3003.8	3003.8	3014.4	2998.5	2989.7
7.5°	3080.0	3051.6	3051.6	3042.8	3055.2	3062.3	3055.2	3065.8	3085.3	3069.4	3060.5
10°	3175.6	3142.0	3143.7	3133.1	3138.4	3134.9	3106.5	3097.7	3103.0	3088.8	3081.8
12.5°	3299.6	3253.5	3253.5	3232.3	3219.9	3182.7	3124.3	3103.0	3106.5	3094.1	3088.8
15°	3418.3	3375.8	3366.9	3324.4	3267.7	3198.6	3145.5	3131.3	3134.9	3122.5	3113.6
17.5°	3558.2	3503.3	3471.4	3393.5	3289.0	3218.1	3165.0	3131.3	3103.0	3074.7	3067.6
20°	3687.5	3618.4	3560.0	3439.5	3312.0	3214.6	3115.4	3032.2	2963.1	2925.9	2917.0
22.5°	3820.3	3731.8	3629.0	3471.4	3310.2	3150.8	2968.4	2842.6	2739.9	2685.0	2695.6
25°	3946.1	3834.5	3694.6	3501.5	3253.5	3009.1	2761.2	2573.4	2456.5	2414.0	2401.6
27.5°	4050.6	3912.4	3754.8	3487.3	3136.7	2805.5	2477.8	2268.8	2155.5	2107.6	2095.2
30°	4167.4	4011.6	3841.6	3421.8	2952.5	2520.3	2157.2	1987.2	1905.7	1859.7	1861.4
32.5°	4302.1	4139.1	3963.8	3296.1	2716.9	2212.1	1893.3	1776.4	1710.9	1664.9	1657.8
35°	4482.7	4321.5	4045.2	3106.5	2417.6	1928.8	1712.7	1617.0	1535.6	1475.3	1462.9
37.5°	4705.9	4596.1	4054.1	2853.3	2097.0	1733.9	1583.4	1480.7	1381.5	1301.8	1292.9
40°	5088.4	4962.7	3981.5	2536.2	1824.3	1608.2	1475.3	1356.7	1241.6	1153.0	1140.6
42.5°	5633.9	5375.4	3825.6	2178.5	1618.8	1509.0	1372.6	1222.1	1105.2	1043.2	1034.3
45°	6328.2	5835.8	3591.8	1842.0	1466.5	1411.6	1264.6	1107.0	1045.0	1000.7	991.8
47.5°	7178.4	6372.5	3322.6	1579.8	1347.8	1323.0	1154.8	1068.0	1013.1	975.9	967.0
50°	8195.0	7056.1	3101.2	1374.4	1241.6	1220.3	1119.3	1045.0	1000.7	970.6	963.5
52.5°	9355.1	7816.0	2993.2	1227.4	1149.5	1128.2	1107.0	1039.6	1002.5	979.4	970.6
55°	10559.4	8616.5	2892.2	1114.0	1071.5	1083.9	1108.7	1057.4	1029.0	998.9	990.1
57.5°	11723.0	9367.5	2644.3	1025.5	1014.9	1062.7	1117.6	1075.1	1041.4	1011.3	1000.7
60°	12525.4	9778.4	2224.5	954.6	972.3	1036.1	1094.6	1048.5	1006.0	993.6	988.3
62.5°	12741.4	9728.8	1726.8	882.0	921.0	977.7	1034.3	1004.2	959.9	979.4	981.2
65°	12236.7	9197.4	1296.5	811.2	853.7	901.5	972.3	959.9	944.0	997.1	998.9
67.5°	10807.4	7892.1	988.3	749.2	784.6	843.1	952.9	1004.2	1007.8	1075.1	1068.0
70°	8177.3	5896.1	774.0	690.7	731.5	843.1	1014.9	1037.9	995.4	1057.4	1043.2
72.5°	5653.4	3891.2	658.9	639.4	665.9	804.1	1013.1	1013.1	967.0	967.0	940.5
75°	3512.1	2288.3	573.8	573.8	573.8	703.1	984.7	933.4	851.9	814.7	793.5
77.5°	1733.9	1112.3	481.7	499.5	480.0	588.0	804.1	763.4	713.8	674.8	660.6
80°	740.3	556.1	389.6	409.1	386.1	442.8	637.6	628.7	580.9	529.6	513.6
82.5°	340.1	286.9	311.7	320.6	281.6	333.0	465.8	465.8	439.2	368.4	341.8
85°	145.2	152.3	216.1	216.1	177.1	187.7	249.7	237.3	212.5	173.6	159.4
87.5°	49.6	74.4	109.8	95.6	37.2	15.9	8.9	3.5	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)