

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: P636388

Luminaire Tested: GWS-SA3F-760-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636388
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-SA3F-760-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23691.1 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

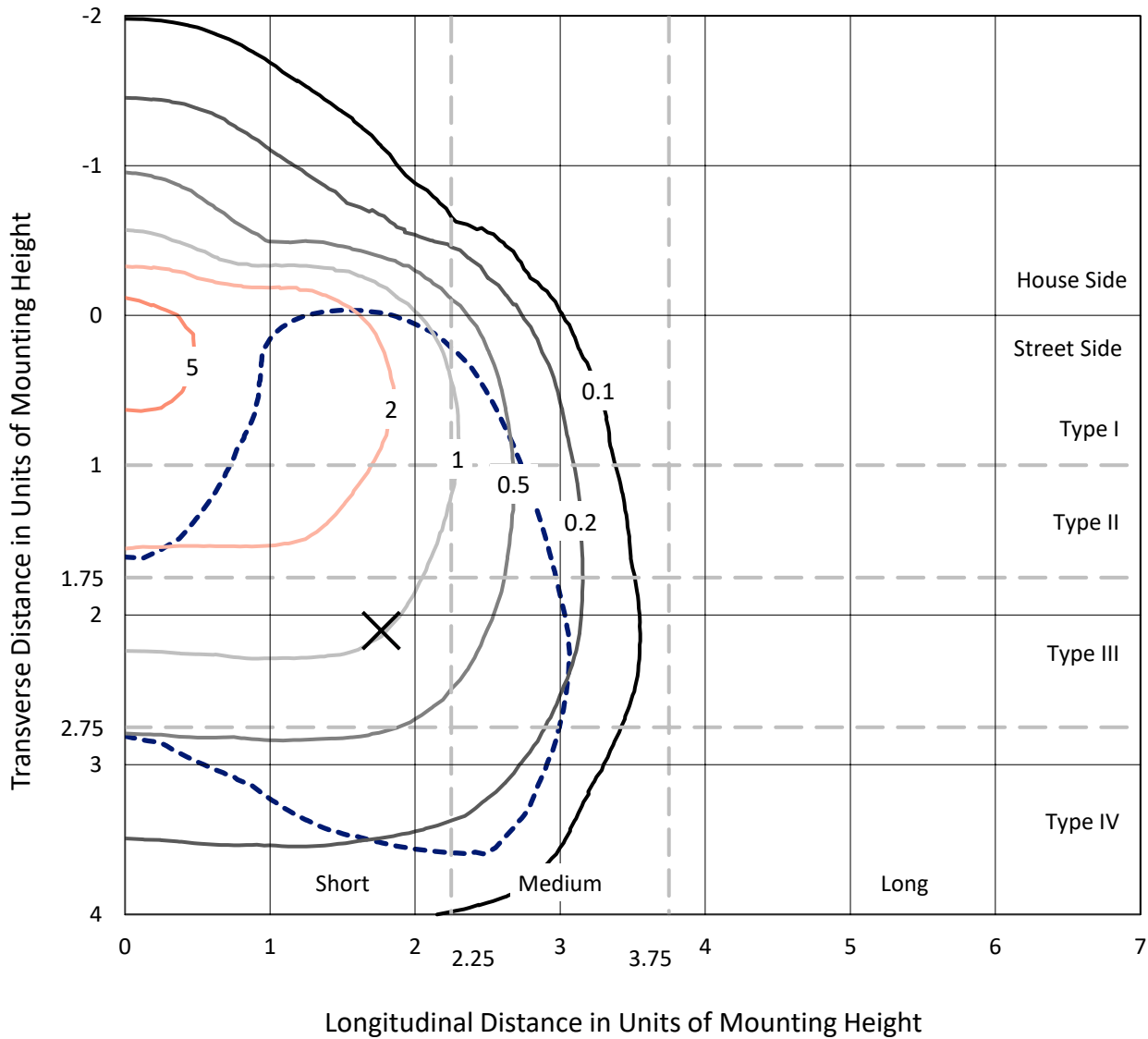
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

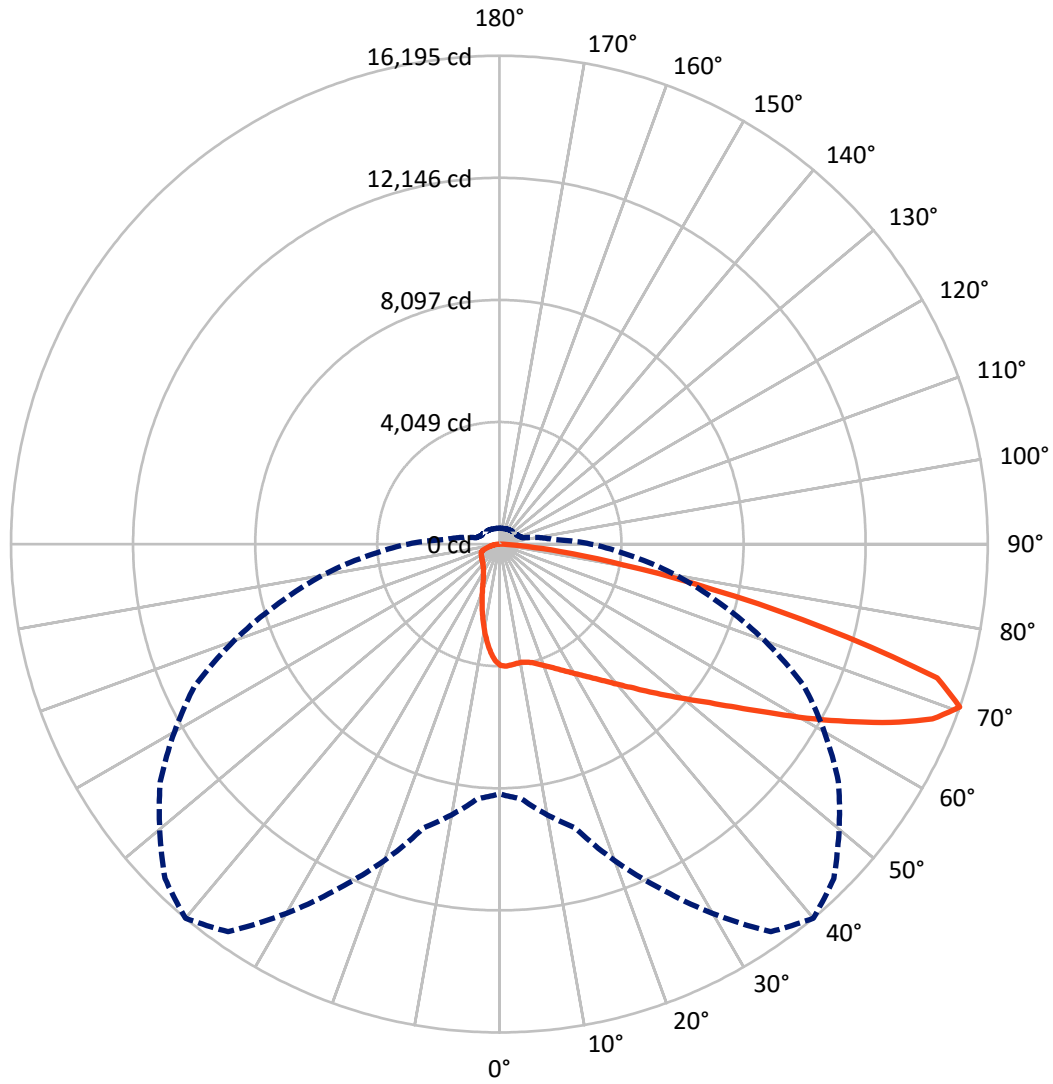
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	3649.0	0.0	3649.0
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	20042.1	0.0	20042.1
	% Fixture	84.6	0.0	84.6
Total	Lumens	23691.1	0.0	23691.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.4	1.5
10°-20°	926.4	3.9
20°-30°	1454.6	6.1
30°-40°	2187.0	9.2
40°-50°	3375.7	14.2
50°-60°	5013.2	21.2
60°-70°	6319.0	26.7
70°-80°	3654.3	15.4
80°-90°	405.5	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°	23691.1	100.0
0°-180°	23691.1	100.0

Coefficient of Utilization



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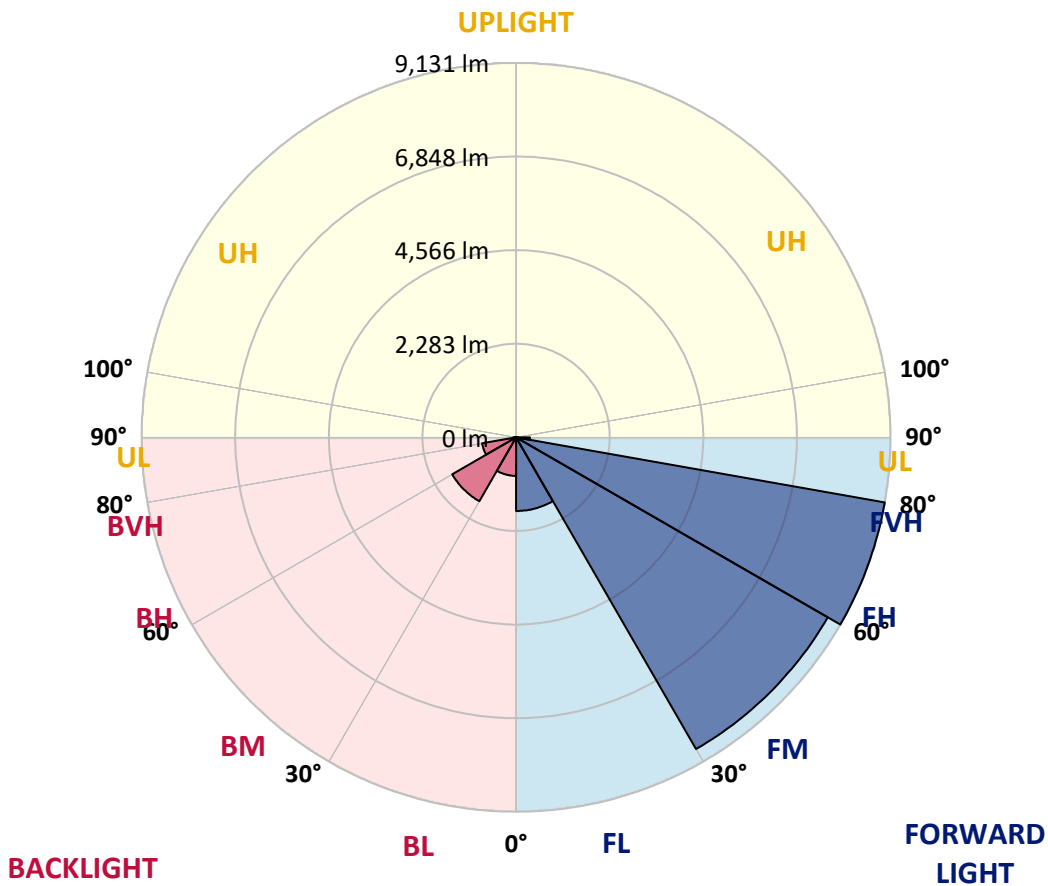
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1796.0	7.6			
FM (30°-60°)	8777.3	37.0			
FH (60°-80°)	9131.1	38.5			G4/12000
FVH (80°-90°)	337.8	1.4			G3/500
BL (0°-30°)	940.4	4.0	B2/1000		
BM (30°-60°)	1798.6	7.6	B2/2500		
BH (60°-80°)	842.2	3.6	B2/1000		G2/1000
BVH (80°-90°)	67.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	4023.0	4023.0	4023.0	4023.0	4023.0	4023.0	4023.0	4023.0	4023.0	4023.0	4023.0
2.5°	4047.8	4054.9	4060.2	4067.2	4063.7	4053.1	4061.9	4061.9	4042.5	4021.3	4001.8
5°	4053.1	4061.9	4060.2	4058.4	4044.2	4026.6	4026.6	4015.9	3982.3	3948.7	3916.9
7.5°	4042.5	4040.7	4038.9	4033.6	4017.7	3998.3	3994.7	3973.5	3929.3	3883.3	3837.3
10°	3994.7	3993.0	3998.3	4010.6	4007.1	3989.4	3989.4	3970.0	3918.7	3862.1	3802.0
12.5°	3955.8	3955.8	3977.0	4010.6	4023.0	4015.9	4017.7	4003.6	3945.2	3878.0	3807.3
15°	3961.1	3962.9	4008.9	4063.7	4086.7	4081.4	4083.1	4067.2	4001.8	3934.6	3839.1
17.5°	3996.5	4005.3	4084.9	4161.0	4191.0	4183.9	4171.6	4145.0	4070.8	3994.7	3878.0
20°	4070.8	4084.9	4187.5	4283.0	4318.3	4302.4	4281.2	4228.2	4146.8	4063.7	3920.5
22.5°	4217.5	4226.4	4339.6	4433.3	4461.6	4442.1	4399.7	4323.6	4229.9	4143.3	3971.7
25°	4424.4	4435.0	4542.9	4629.6	4622.5	4599.5	4541.2	4447.4	4336.0	4244.1	4046.0
27.5°	4670.2	4687.9	4794.0	4863.0	4817.0	4783.4	4718.0	4604.8	4479.3	4396.1	4159.2
30°	4939.0	4946.1	5036.3	5105.3	5034.5	4988.5	4909.0	4787.0	4673.8	4611.9	4328.9
32.5°	5199.0	5206.1	5283.9	5322.8	5248.5	5214.9	5145.9	5016.8	4937.3	4903.7	4581.8
35°	5473.1	5471.3	5535.0	5568.6	5492.5	5478.4	5407.6	5308.6	5294.5	5338.7	4951.4
37.5°	5747.2	5731.3	5764.9	5809.1	5766.6	5780.8	5734.8	5701.2	5756.0	5871.0	5443.0
40°	5966.4	5966.4	6001.8	6056.6	6070.8	6132.7	6106.1	6150.4	6327.2	6601.3	6051.3
42.5°	6161.0	6162.7	6237.0	6321.9	6424.5	6519.9	6541.2	6656.1	7022.2	7451.9	6815.3
45°	6364.3	6366.1	6466.9	6590.7	6808.2	6990.3	7032.8	7291.0	7814.4	8337.8	7644.6
47.5°	6599.5	6580.1	6719.8	6926.7	7236.1	7497.8	7607.5	7973.5	8634.9	9278.6	8426.2
50°	6864.8	6824.1	6979.7	7336.9	7718.9	8077.9	8261.8	8680.9	9515.5	10146.9	9161.9
52.5°	7163.6	7140.6	7303.3	7738.3	8321.9	8735.7	8985.0	9535.0	10371.4	11011.6	9745.4
55°	7535.0	7480.2	7715.4	8268.9	9029.2	9556.2	9851.5	10380.3	11306.9	11796.7	10191.1
57.5°	7941.7	7881.6	8196.4	8932.0	9948.8	10527.1	10896.6	11331.7	12187.5	12398.0	10452.8
60°	8380.3	8360.8	8733.9	9710.1	11045.2	11717.2	11984.2	12378.5	12953.2	12746.3	10387.4
62.5°	8781.7	8774.6	9317.5	10553.6	12207.0	12946.2	13158.4	13262.7	13505.0	12723.4	9867.5
65°	9204.3	9264.4	9998.3	11531.5	13538.6	14263.6	14352.0	14086.8	13690.6	12120.3	8802.9
67.5°	9257.4	9374.1	10426.3	12447.5	14801.2	15485.5	15414.8	14399.8	13142.5	10442.2	6900.1
70°	8279.5	8482.8	9743.7	12587.2	15690.7	16194.6	15683.6	13726.0	11153.1	7565.0	4339.6
72.5°	6917.8	7092.9	8207.0	10733.9	14543.0	15184.9	14493.5	11618.1	7881.6	4339.6	2210.5
75°	5384.7	5588.0	6615.4	8532.3	10887.8	11144.2	10797.6	8102.6	4332.5	1789.6	1004.4
77.5°	3285.6	3432.4	4231.7	5780.8	7618.1	7234.4	6130.9	4542.9	1901.0	857.7	620.7
80°	1453.6	1543.8	2084.9	3105.2	4401.4	4161.0	3280.3	1939.9	1039.8	544.7	433.2
82.5°	779.8	838.2	1027.4	1229.0	1932.8	2021.2	1639.3	1117.6	558.8	311.2	247.6
85°	343.1	376.7	466.8	445.6	634.8	624.2	629.5	767.5	267.0	143.2	160.9
87.5°	0.0	0.0	0.0	0.0	1.8	1.8	19.5	102.6	26.5	42.4	37.1
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°	4023.0	4023.0	4023.0	4023.0	4023.0	4023.0	4023.0	4023.0	4023.0	4023.0	4023.0
2.5°	3980.6	3948.7	3939.9	3929.3	3909.8	3876.2	3851.5	3823.2	3810.8	3796.7	3798.4
5°	3881.6	3842.6	3805.5	3757.8	3697.6	3630.4	3584.5	3531.4	3503.1	3476.6	3483.7
7.5°	3796.7	3736.5	3660.5	3559.7	3451.8	3331.6	3234.3	3158.3	3107.0	3071.6	3089.3
10°	3743.6	3672.9	3540.3	3375.8	3193.7	3009.7	2870.0	2739.2	2657.8	2594.2	2590.6
12.5°	3733.0	3641.1	3448.3	3209.6	2946.1	2700.3	2495.2	2318.3	2210.5	2130.9	2160.9
15°	3743.6	3626.9	3368.7	3055.7	2723.3	2390.8	2136.2	1932.8	1803.7	1731.2	1725.9
17.5°	3756.0	3612.8	3278.5	2889.5	2489.9	2109.7	1814.3	1598.6	1466.0	1393.5	1395.2
20°	3766.6	3591.5	3172.4	2707.4	2252.9	1847.9	1542.0	1336.9	1218.4	1165.3	1174.2
22.5°	3784.3	3570.3	3059.3	2512.8	2010.6	1595.1	1326.3	1160.0	1089.3	1053.9	1055.7
25°	3817.9	3557.9	2942.6	2300.6	1771.9	1393.5	1177.7	1066.3	1022.1	1000.9	999.1
27.5°	3886.9	3568.6	2820.5	2095.5	1556.2	1239.6	1082.2	1009.7	979.7	965.5	963.8
30°	4001.8	3611.0	2714.4	1886.8	1370.5	1119.4	1016.8	972.6	954.9	942.5	940.8
32.5°	4176.9	3690.6	2599.5	1692.3	1220.2	1031.0	965.5	942.5	930.2	923.1	923.1
35°	4442.1	3835.6	2486.3	1522.6	1103.5	962.0	924.9	916.0	905.4	901.9	905.4
37.5°	4824.1	4067.2	2383.8	1374.0	1020.3	908.9	880.6	884.2	875.3	880.6	885.9
40°	5308.6	4376.7	2297.1	1252.0	958.5	870.0	841.7	854.1	848.8	854.1	863.0
42.5°	5922.2	4760.4	2231.7	1156.5	914.2	838.2	811.7	824.1	820.5	827.6	836.4
45°	6606.6	5266.2	2201.6	1089.3	882.4	815.2	786.9	795.8	792.2	797.5	806.4
47.5°	7262.7	5726.0	2228.1	1050.4	855.9	795.8	765.7	769.2	767.5	765.7	771.0
50°	7828.5	6092.0	2304.2	1038.0	838.2	776.3	748.0	749.8	744.5	733.9	737.4
52.5°	8290.1	6385.6	2350.2	1038.0	829.4	755.1	728.6	730.3	719.7	705.6	707.3
55°	8594.2	6504.0	2313.0	1036.3	825.8	737.4	709.1	710.9	700.3	682.6	684.4
57.5°	8680.9	6389.1	2157.4	1016.8	822.3	723.3	689.7	693.2	686.1	666.7	666.7
60°	8438.6	5968.2	1872.7	972.6	813.4	714.4	675.5	680.8	677.3	657.8	657.8
62.5°	7803.8	5220.2	1533.2	905.4	788.7	703.8	663.1	673.7	682.6	672.0	670.2
65°	6615.4	4182.2	1246.7	831.1	756.9	686.1	645.5	672.0	691.4	705.6	705.6
67.5°	4963.8	2993.8	1016.8	753.3	709.1	650.8	622.5	647.2	661.4	670.2	675.5
70°	3025.7	1761.3	801.1	663.1	640.1	597.7	576.5	551.7	532.3	528.7	530.5
72.5°	1480.1	1008.0	650.8	564.1	546.4	507.5	459.8	449.2	440.3	435.0	433.2
75°	815.2	702.0	537.6	468.6	436.8	389.0	378.4	360.7	357.2	350.1	351.9
77.5°	576.5	553.5	443.9	380.2	332.5	307.7	313.0	300.6	300.6	295.3	293.5
80°	433.2	435.0	341.3	277.6	245.8	237.0	242.3	242.3	238.7	237.0	235.2
82.5°	274.1	309.5	229.9	178.6	175.1	176.8	175.1	173.3	176.8	171.5	169.8
85°	189.2	222.8	139.7	106.1	106.1	104.3	107.9	106.1	109.6	104.3	104.3
87.5°	42.4	99.0	51.3	31.8	33.6	31.8	33.6	35.4	38.9	40.7	40.7
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)