

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: P636386

Luminaire Tested: GWS-SA3F-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636386
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-SA3F-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24170.3 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

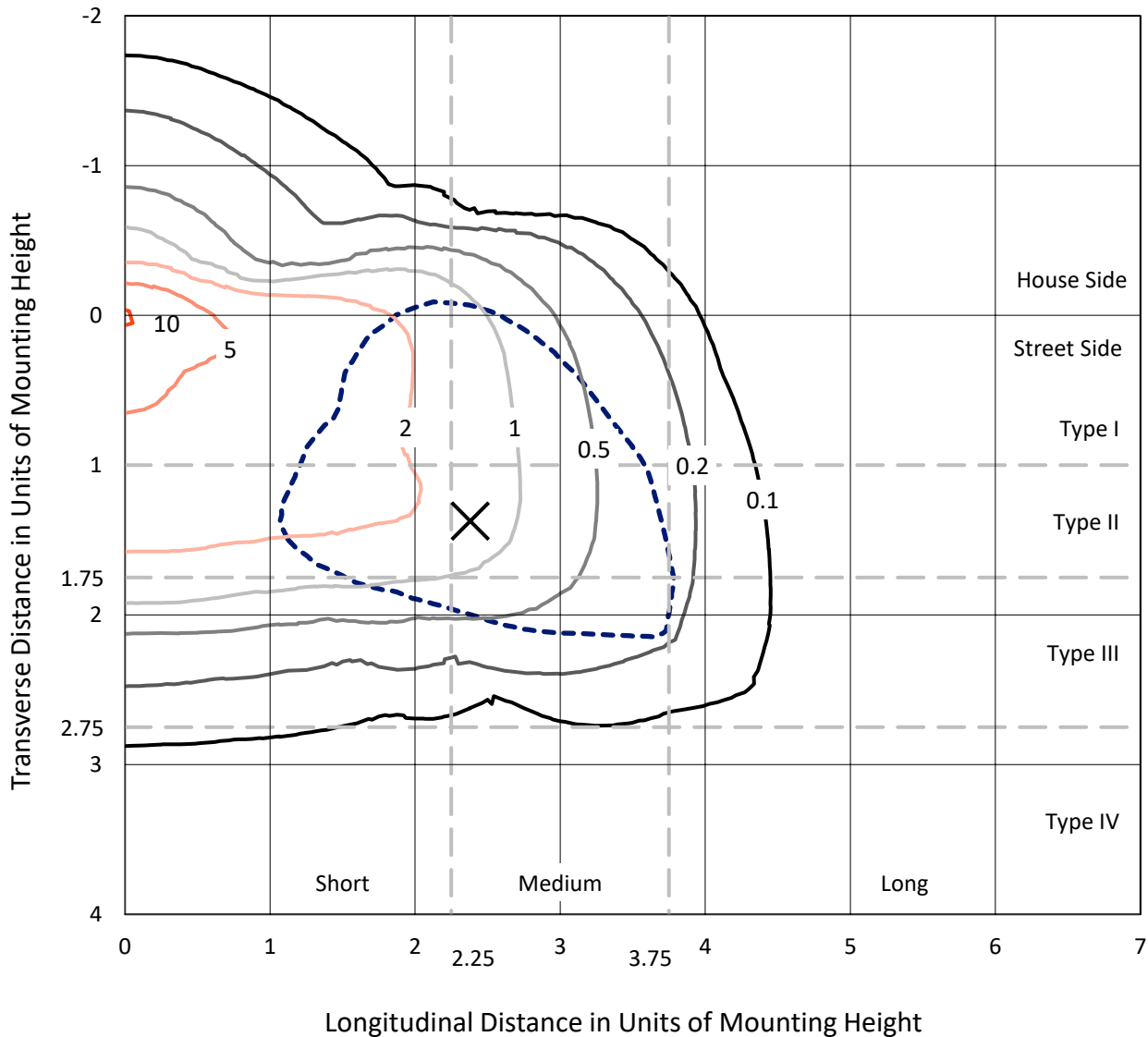
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636386
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Iso-Footcandle Lines of Horizontal Illumination

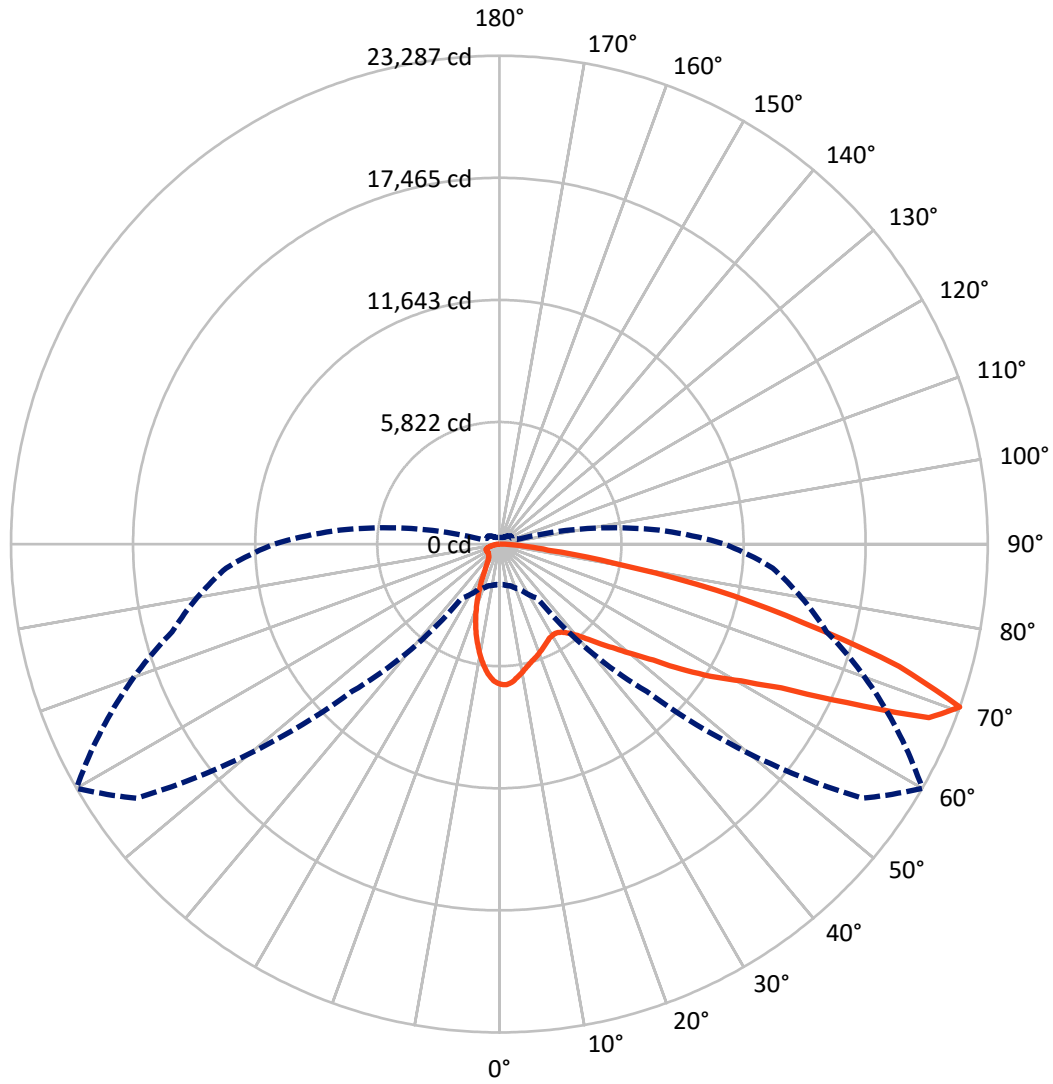
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P636386
CATALOG NUMBER: GWS-SA3F-760-U-SL3-W

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	4133.7	0.0	4133.7
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	20036.6	0.0	20036.6
	% Fixture	82.9	0.0	82.9
Total	Lumens	24170.3	0.0	24170.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.5	2.4
10°-20°	1291.5	5.3
20°-30°	1654.0	6.8
30°-40°	2173.8	9.0
40°-50°	3153.8	13.0
50°-60°	4920.7	20.4
60°-70°	6442.2	26.7
70°-80°	3562.3	14.7
80°-90°	395.3	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°	24170.3	100.0
0°-180°	24170.3	100.0

Coefficient of Utilization



REPORT NUMBER: P636386

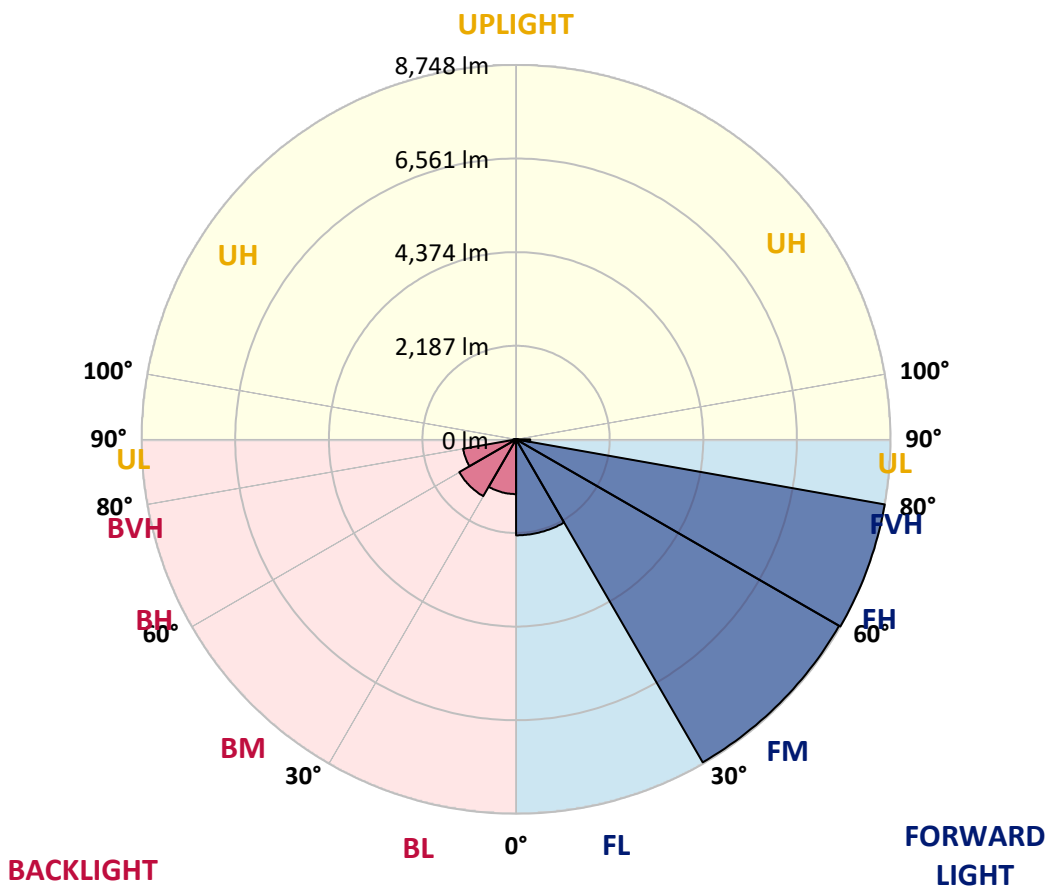
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2243.2	9.3			
FM (30°-60°)	8715.7	36.1			
FH (60°-80°)	8748.3	36.2			G4/12000
FVH (80°-90°)	329.4	1.4			G3/500
BL (0°-30°)	1278.9	5.3	B3/2500		
BM (30°-60°)	1532.6	6.3	B2/2500		
BH (60°-80°)	1256.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	65.9	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





REPORT NUMBER: P636386
 CATALOG NUMBER: GWS-SA3F-760-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6688.2	6688.2	6688.2	6688.2	6688.2	6688.2	6688.2	6688.2	6688.2	6688.2	6688.2
2.5°	6594.5	6601.6	6621.0	6649.3	6677.6	6691.8	6727.1	6716.5	6709.5	6695.3	6677.6
5°	6302.7	6316.9	6334.5	6389.4	6451.3	6500.8	6580.4	6589.2	6592.7	6599.8	6571.5
7.5°	5931.3	5934.9	5977.3	6049.8	6131.2	6216.1	6348.7	6385.8	6417.7	6453.0	6430.0
10°	5521.1	5529.9	5561.7	5666.1	5805.8	5931.3	6110.0	6171.9	6239.1	6316.9	6285.0
12.5°	5185.1	5186.8	5238.1	5349.5	5501.6	5671.4	5894.2	5968.5	6056.9	6178.9	6150.6
15°	4918.0	4918.0	4965.8	5061.3	5236.3	5436.2	5701.4	5796.9	5917.2	6081.7	6032.1
17.5°	4705.8	4707.6	4737.6	4838.4	4994.1	5215.1	5529.9	5659.0	5791.6	6009.2	5934.9
20°	4594.4	4585.6	4590.9	4652.8	4785.4	4999.4	5358.4	5508.7	5687.3	5959.6	5846.5
22.5°	4589.1	4573.2	4550.2	4555.5	4633.3	4810.2	5174.5	5356.6	5581.2	5919.0	5756.3
25°	4679.3	4661.6	4620.9	4575.0	4567.9	4674.0	5001.1	5208.1	5471.5	5901.3	5669.6
27.5°	4831.4	4819.0	4765.9	4697.0	4624.5	4620.9	4870.3	5086.0	5392.0	5919.0	5607.7
30°	5033.0	5011.8	4978.2	4889.7	4780.1	4666.9	4819.0	5020.6	5338.9	5975.6	5581.2
32.5°	5261.1	5248.7	5216.9	5128.5	5011.8	4831.4	4859.7	5034.7	5338.9	6074.6	5586.5
35°	5503.4	5501.6	5501.6	5443.3	5314.2	5089.6	5020.6	5155.0	5420.3	6233.7	5643.1
37.5°	5738.6	5736.8	5793.4	5814.6	5667.8	5425.6	5294.7	5395.5	5598.9	6468.9	5782.8
40°	5929.6	5936.6	6060.4	6166.5	6085.2	5860.6	5676.7	5728.0	5888.9	6803.2	6026.8
42.5°	6122.3	6141.8	6327.5	6514.9	6546.8	6352.2	6166.5	6196.6	6304.5	7245.3	6391.1
45°	6332.8	6341.6	6601.6	6863.3	7017.2	6902.2	6750.1	6790.8	6815.6	7791.7	6934.0
47.5°	6536.1	6559.1	6895.1	7254.1	7545.9	7535.3	7450.4	7438.1	7443.4	8456.7	7576.0
50°	6813.8	6847.4	7241.8	7675.0	8103.0	8299.3	8324.0	8230.3	8191.4	9195.9	8375.3
52.5°	7340.8	7340.8	7694.5	8120.7	8695.4	9181.7	9348.0	9194.1	9070.3	9977.5	9224.2
55°	8000.4	8028.7	8309.9	8654.7	9383.3	10110.2	10672.5	10502.8	10152.6	10828.1	10113.7
57.5°	8294.0	8329.3	8775.0	9310.8	10283.5	11165.9	11945.8	11885.7	11374.6	11712.4	11036.8
60°	7763.4	7837.7	8451.4	9349.7	11098.7	12868.9	13418.9	13243.8	12513.5	12640.8	12037.8
62.5°	6476.0	6557.4	7238.2	8492.0	10985.5	14709.9	15740.9	15095.4	13935.3	13813.3	13371.2
65°	3864.0	3860.5	4679.3	6341.6	9590.2	15221.0	19415.7	18211.4	16131.7	15422.6	14743.5
67.5°	2456.4	2451.1	2622.6	3360.0	6382.3	13968.9	21778.3	22091.3	19115.1	16605.6	14856.7
70°	1938.2	1936.4	2060.2	2396.2	3156.7	9940.4	21120.5	23286.8	20917.1	16154.7	13081.1
72.5°	1413.0	1416.5	1607.5	2007.2	2435.1	4990.5	17102.6	19925.0	19238.8	14260.7	10619.5
75°	1015.1	1020.4	1135.3	1536.8	2245.9	2728.7	11372.8	14982.2	14637.4	11431.2	7305.4
77.5°	645.5	652.6	753.4	1077.0	1814.4	2203.5	6895.1	10577.0	9738.8	6440.7	2597.8
80°	394.4	417.4	502.2	802.9	1450.1	1653.5	3446.7	5572.4	4877.4	1766.7	873.6
82.5°	203.4	221.1	302.4	496.9	999.2	1451.9	1950.6	2341.4	1510.2	739.2	465.1
85°	63.7	74.3	106.1	201.6	475.7	900.1	1291.0	1163.6	693.2	348.4	215.7
87.5°	15.9	15.9	17.7	17.7	19.5	40.7	249.3	263.5	183.9	109.6	88.4
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: P636386
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6688.2	6688.2	6688.2	6688.2	6688.2	6688.2	6688.2	6688.2	6688.2	6688.2	6688.2
2.5°	6642.3	6599.8	6582.1	6580.4	6536.1	6472.5	6430.0	6400.0	6382.3	6378.8	6378.8
5°	6523.8	6468.9	6396.4	6341.6	6223.1	6102.9	6002.1	5945.5	5880.1	5871.2	5869.4
7.5°	6366.4	6286.8	6148.9	5995.0	5788.1	5588.3	5418.5	5303.5	5188.6	5167.4	5160.3
10°	6196.6	6088.7	5853.5	5583.0	5273.5	4974.6	4714.7	4511.3	4376.9	4281.4	4263.7
12.5°	6028.6	5885.4	5540.5	5137.3	4712.9	4304.4	3913.6	3581.1	3340.6	3200.9	3176.1
15°	5871.2	5671.4	5199.2	4684.6	4132.8	3574.0	3020.5	2589.0	2251.2	2131.0	2102.7
17.5°	5728.0	5478.6	4868.5	4216.0	3528.0	2797.7	2168.1	1784.4	1586.3	1526.2	1512.0
20°	5584.7	5280.6	4532.5	3722.6	2886.1	2067.3	1584.5	1404.1	1329.9	1306.9	1299.8
22.5°	5430.9	5063.0	4166.4	3236.2	2237.1	1547.4	1296.3	1216.7	1193.7	1195.5	1193.7
25°	5277.0	4842.0	3782.7	2707.5	1665.9	1255.6	1131.8	1101.7	1107.0	1123.0	1126.5
27.5°	5149.7	4645.7	3406.0	2127.4	1301.6	1080.5	1022.2	1020.4	1039.8	1061.1	1064.6
30°	5057.7	4470.6	3034.6	1635.8	1071.7	960.3	937.3	947.9	970.9	986.8	992.1
32.5°	4992.3	4320.3	2638.5	1285.7	939.0	875.4	864.8	875.4	889.5	905.4	909.0
35°	4969.3	4210.7	2249.5	1048.7	848.9	813.5	806.4	811.7	818.8	827.6	831.2
37.5°	5020.6	4155.8	1842.7	912.5	794.0	772.8	762.2	758.7	760.4	764.0	765.7
40°	5172.7	4180.6	1510.2	832.9	758.7	739.2	721.5	714.4	712.7	716.2	714.4
42.5°	5434.4	4284.9	1269.7	787.0	730.4	702.1	682.6	675.5	675.5	684.4	684.4
45°	5818.2	4490.1	1096.4	753.4	705.6	670.2	649.0	645.5	652.6	666.7	668.5
47.5°	6380.5	4790.7	992.1	728.6	682.6	641.9	620.7	619.0	633.1	656.1	657.9
50°	7047.2	5224.0	935.5	710.9	666.7	619.0	597.7	599.5	615.4	640.2	645.5
52.5°	7850.1	5814.6	939.0	703.8	657.9	604.8	583.6	580.0	596.0	620.7	626.0
55°	8679.5	6532.6	1008.0	705.6	645.5	597.7	569.4	557.1	571.2	588.9	590.7
57.5°	9592.0	7342.6	1179.5	702.1	629.6	590.7	557.1	528.8	537.6	548.2	553.5
60°	10621.2	8295.7	1549.2	709.1	622.5	574.7	532.3	495.2	493.4	500.5	502.2
62.5°	11997.1	9592.0	1964.7	721.5	638.4	555.3	495.2	456.3	449.2	452.7	454.5
65°	13049.3	10211.0	1833.9	710.9	672.0	541.1	459.8	419.1	405.0	401.4	401.4
67.5°	12621.3	9392.2	1276.8	682.6	687.9	542.9	431.5	380.2	362.5	353.7	351.9
70°	10739.7	7629.0	887.8	654.3	670.2	539.4	401.4	348.4	325.4	313.0	311.2
72.5°	8485.0	5825.2	718.0	597.7	608.3	486.3	357.2	313.0	293.6	277.6	277.6
75°	5460.9	3554.6	599.5	532.3	496.9	378.4	309.5	279.4	260.0	244.0	244.0
77.5°	1837.4	1319.3	465.1	451.0	371.4	284.7	260.0	240.5	224.6	210.4	208.7
80°	746.3	626.0	341.3	341.3	260.0	217.5	203.4	194.5	183.9	166.2	166.2
82.5°	433.3	380.2	238.7	206.9	173.3	150.3	141.5	132.6	132.6	120.3	120.3
85°	208.7	210.4	143.2	127.3	99.0	86.7	83.1	77.8	76.0	69.0	67.2
87.5°	113.2	114.9	72.5	56.6	38.9	33.6	28.3	26.5	24.8	23.0	23.0
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)