

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: P642326

Luminaire Tested: GWS-SA6C-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642326
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-SA6C-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28069.2 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

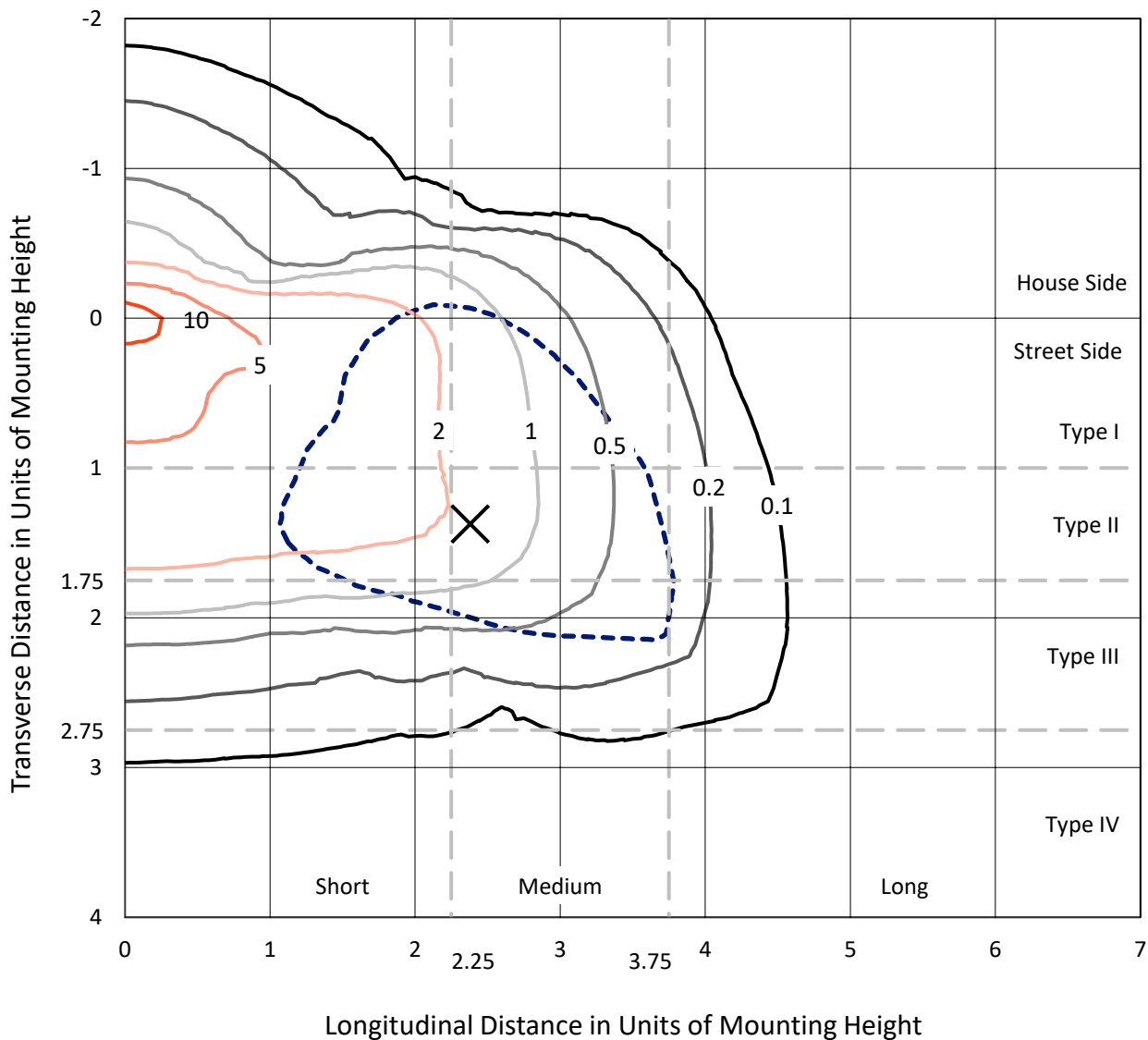
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

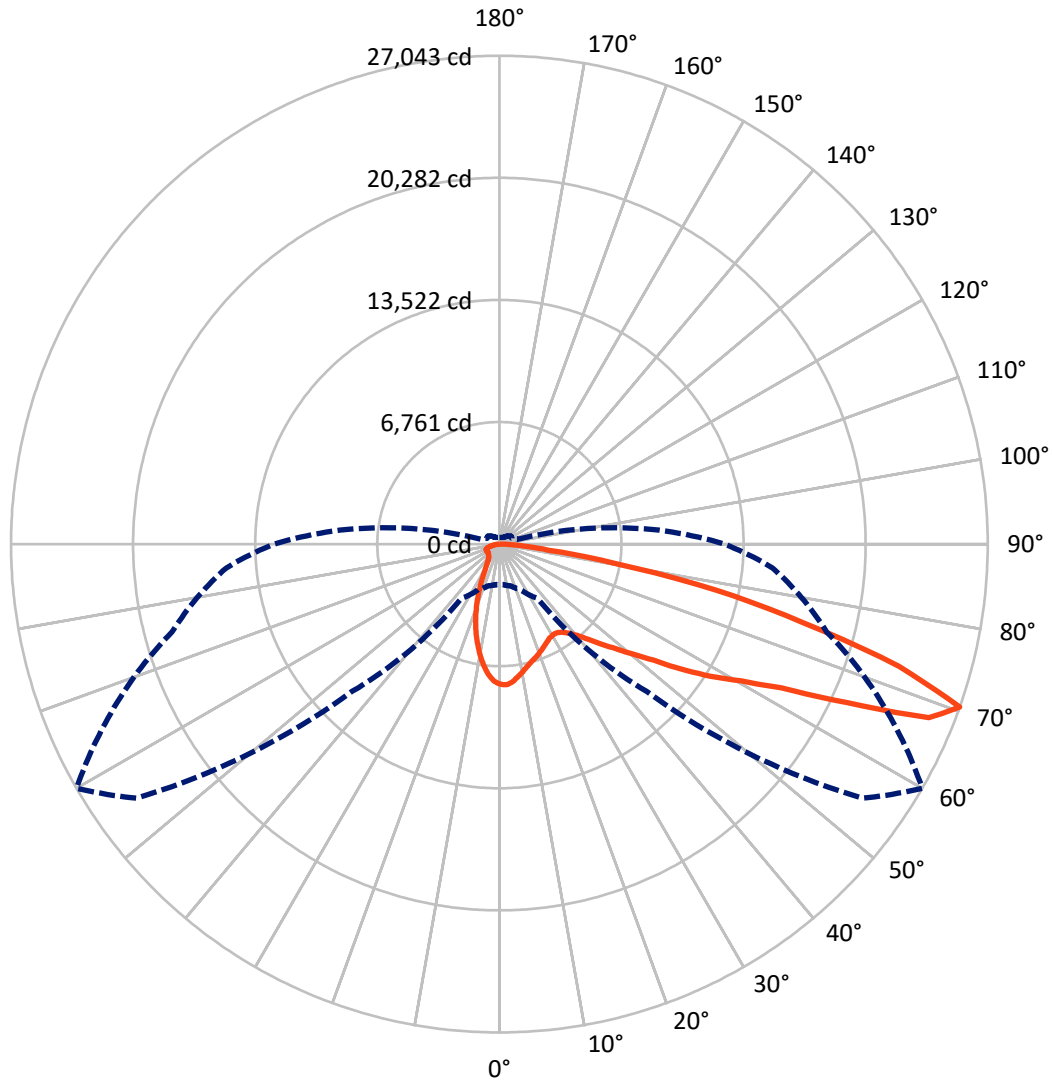
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
 Type III - Medium - N/A

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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	4800.5	0.0	4800.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	23268.7	0.0	23268.7
	% Fixture	82.9	0.0	82.9
Total	Lumens	28069.2	0.0	28069.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.5	2.4
10°-20°	1499.9	5.3
20°-30°	1920.9	6.8
30°-40°	2524.5	9.0
40°-50°	3662.6	13.0
50°-60°	5714.5	20.4
60°-70°	7481.4	26.7
70°-80°	4137.0	14.7
80°-90°	459.1	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°	28069.2	100.0
0°-180°	28069.2	100.0

Coefficient of Utilization



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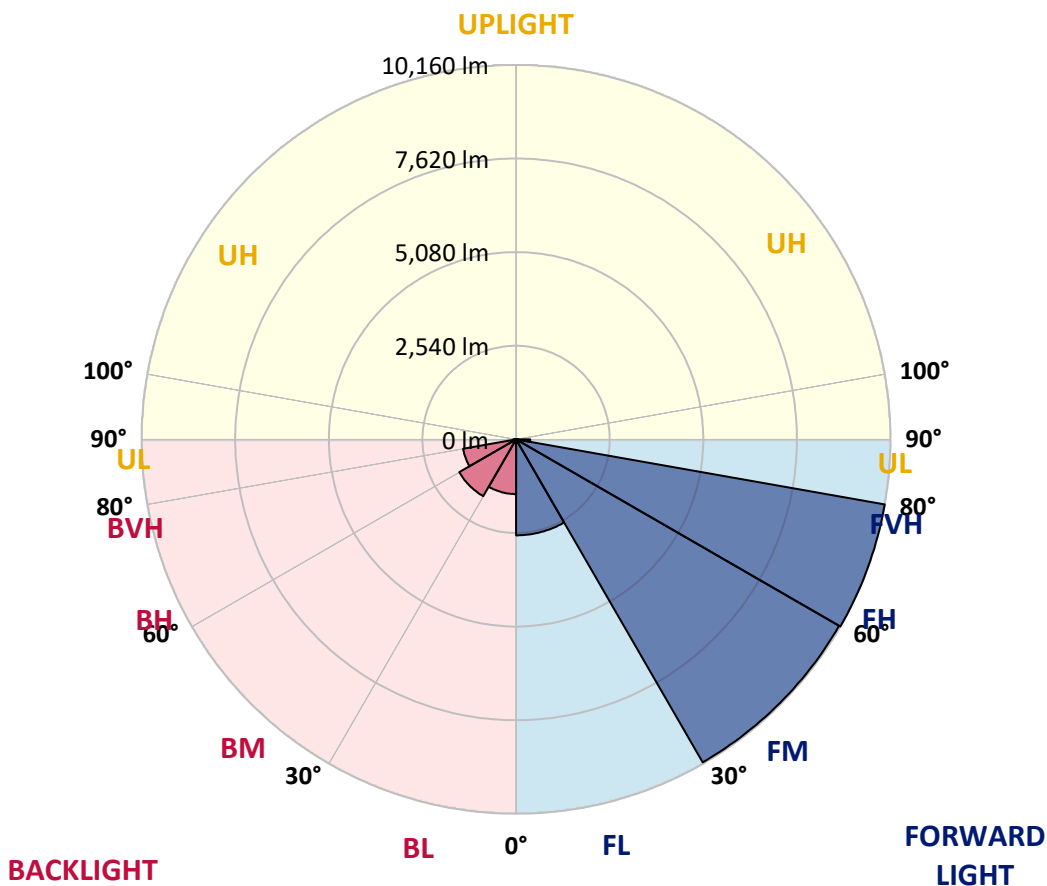
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2605.0	9.3			
FM (30°-60°)	10121.7	36.1			
FH (60°-80°)	10159.5	36.2			G4/12000
FVH (80°-90°)	382.6	1.4			G3/500
BL (0°-30°)	1485.2	5.3	B3/2500		
BM (30°-60°)	1779.9	6.3	B2/2500		
BH (60°-80°)	1458.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	76.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	7767.1	7767.1	7767.1	7767.1	7767.1	7767.1	7767.1	7767.1	7767.1	7767.1	7767.1
2.5°	7658.3	7666.5	7689.1	7721.9	7754.8	7771.2	7812.3	7800.0	7791.8	7775.3	7754.8
5°	7319.4	7335.8	7356.4	7420.0	7491.9	7549.4	7641.8	7652.1	7656.2	7664.4	7631.6
7.5°	6888.1	6892.2	6941.5	7025.7	7120.2	7218.8	7372.8	7415.9	7452.9	7494.0	7467.3
10°	6411.7	6421.9	6458.9	6580.1	6742.3	6888.1	7095.5	7167.4	7245.5	7335.8	7298.9
12.5°	6021.5	6023.5	6083.1	6212.5	6389.1	6586.2	6845.0	6931.3	7033.9	7175.6	7142.8
15°	5711.4	5711.4	5766.8	5877.7	6081.0	6313.1	6621.1	6732.0	6871.7	7062.7	7005.2
17.5°	5464.9	5467.0	5501.9	5618.9	5799.7	6056.4	6421.9	6571.9	6725.9	6978.5	6892.2
20°	5335.5	5325.3	5331.4	5403.3	5557.3	5805.8	6222.7	6397.3	6604.7	6921.0	6789.5
22.5°	5329.4	5310.9	5284.2	5290.3	5380.7	5586.1	6009.1	6220.7	6481.5	6873.7	6684.8
25°	5434.1	5413.6	5366.3	5312.9	5304.7	5427.9	5807.9	6048.2	6354.2	6853.2	6584.2
27.5°	5610.7	5596.3	5534.7	5454.6	5370.4	5366.3	5655.9	5906.5	6261.7	6873.7	6512.3
30°	5844.8	5820.2	5781.2	5678.5	5551.2	5419.7	5596.3	5830.5	6200.1	6939.5	6481.5
32.5°	6109.8	6095.4	6058.4	5955.7	5820.2	5610.7	5643.6	5846.9	6200.1	7054.5	6487.7
35°	6391.1	6389.1	6389.1	6321.3	6171.4	5910.6	5830.5	5986.5	6294.6	7239.3	6553.4
37.5°	6664.3	6662.2	6727.9	6752.6	6582.1	6300.8	6148.8	6265.9	6502.0	7512.5	6715.6
40°	6886.1	6894.3	7038.0	7161.3	7066.8	6806.0	6592.4	6651.9	6838.8	7900.6	6999.0
42.5°	7109.9	7132.5	7348.2	7565.8	7602.8	7376.9	7161.3	7196.2	7321.5	8414.0	7422.1
45°	7354.3	7364.6	7666.5	7970.4	8149.1	8015.6	7839.0	7886.2	7915.0	9048.6	8052.6
47.5°	7590.5	7617.2	8007.4	8424.3	8763.2	8750.8	8652.3	8637.9	8644.0	9820.8	8798.1
50°	7912.9	7951.9	8409.9	8913.1	9410.1	9638.0	9666.8	9557.9	9512.8	10679.3	9726.3
52.5°	8524.9	8524.9	8935.7	9430.6	10098.1	10662.8	10855.9	10677.2	10533.5	11587.0	10712.1
55°	9291.0	9323.8	9650.4	10050.8	10897.0	11741.0	12394.1	12197.0	11790.3	12574.8	11745.1
57.5°	9631.9	9672.9	10190.5	10812.8	11942.3	12967.1	13872.8	13802.9	13209.4	13601.7	12817.2
60°	9015.8	9102.0	9814.7	10857.9	12889.1	14944.8	15583.5	15380.2	14532.0	14679.9	13979.6
62.5°	7520.7	7615.1	8405.8	9861.9	12757.6	17082.7	18280.0	17530.4	16183.2	16041.5	15528.1
65°	4487.3	4483.2	5434.1	7364.6	11137.2	17676.2	22547.6	21149.1	18733.9	17910.4	17121.7
67.5°	2852.6	2846.4	3045.6	3902.0	7411.8	16222.2	25291.4	25654.9	22198.5	19284.3	17253.2
70°	2250.9	2248.8	2392.6	2782.8	3665.9	11543.9	24527.4	27043.2	24291.2	18760.6	15191.3
72.5°	1640.9	1645.0	1866.8	2331.0	2828.0	5795.6	19861.4	23139.1	22342.3	16561.1	12332.5
75°	1178.8	1185.0	1318.5	1784.7	2608.2	3168.9	13207.4	17399.0	16998.5	13275.1	8483.9
77.5°	749.6	757.8	874.9	1250.7	2107.1	2558.9	8007.4	12283.2	11309.8	7479.6	3016.9
80°	458.0	484.7	583.3	932.4	1684.0	1920.2	4002.7	6471.2	5664.1	2051.7	1014.5
82.5°	236.2	256.7	351.2	577.1	1160.3	1686.1	2265.2	2719.1	1753.9	858.4	540.1
85°	73.9	86.3	123.2	234.1	552.4	1045.3	1499.2	1351.3	805.1	404.6	250.6
87.5°	18.5	18.5	20.5	20.5	22.6	47.2	289.6	306.0	213.6	127.3	102.7
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°	7767.1	7767.1	7767.1	7767.1	7767.1	7767.1	7767.1	7767.1	7767.1	7767.1	7767.1
2.5°	7713.7	7664.4	7643.9	7641.8	7590.5	7516.6	7467.3	7432.4	7411.8	7407.7	7407.7
5°	7576.1	7512.5	7428.2	7364.6	7227.0	7087.3	6970.3	6904.6	6828.6	6818.3	6816.2
7.5°	7393.3	7300.9	7140.7	6962.1	6721.8	6489.7	6292.6	6159.1	6025.6	6000.9	5992.7
10°	7196.2	7070.9	6797.8	6483.5	6124.1	5777.1	5475.2	5239.0	5082.9	4972.0	4951.5
12.5°	7001.1	6834.7	6434.3	5966.0	5473.1	4998.7	4544.8	4158.8	3879.4	3717.2	3688.5
15°	6818.3	6586.2	6037.9	5440.3	4799.5	4150.5	3507.7	3006.6	2614.4	2474.7	2441.9
17.5°	6651.9	6362.4	5653.8	4896.0	4097.1	3249.0	2517.8	2072.2	1842.2	1772.3	1755.9
20°	6485.6	6132.4	5263.6	4323.0	3351.6	2400.8	1840.1	1630.6	1544.4	1517.7	1509.5
22.5°	6306.9	5879.8	4838.5	3758.3	2597.9	1797.0	1505.4	1412.9	1386.3	1388.3	1386.3
25°	6128.3	5623.0	4392.9	3144.2	1934.6	1458.1	1314.4	1279.5	1285.6	1304.1	1308.2
27.5°	5980.4	5395.1	3955.4	2470.6	1511.5	1254.8	1187.0	1185.0	1207.6	1232.2	1236.3
30°	5873.6	5191.8	3524.2	1899.7	1244.5	1115.2	1088.5	1100.8	1127.5	1146.0	1152.1
32.5°	5797.6	5017.2	3064.1	1493.0	1090.5	1016.6	1004.3	1016.6	1033.0	1051.5	1055.6
35°	5770.9	4889.9	2612.3	1217.8	985.8	944.7	936.5	942.7	950.9	961.1	965.2
37.5°	5830.5	4826.2	2140.0	1059.7	922.1	897.5	885.1	881.0	883.1	887.2	889.3
40°	6007.1	4855.0	1753.9	967.3	881.0	858.4	837.9	829.7	827.6	831.8	829.7
42.5°	6311.0	4976.1	1474.6	913.9	848.2	815.3	792.7	784.5	784.5	794.8	794.8
45°	6756.7	5214.4	1273.3	874.9	819.4	778.4	753.7	749.6	757.8	774.2	776.3
47.5°	7409.8	5563.5	1152.1	846.1	792.7	745.5	720.9	718.8	735.2	761.9	764.0
50°	8184.0	6066.6	1086.4	825.6	774.2	718.8	694.2	696.2	714.7	743.4	749.6
52.5°	9116.4	6752.6	1090.5	817.4	764.0	702.4	677.7	673.6	692.1	720.9	727.0
55°	10079.6	7586.4	1170.6	819.4	749.6	694.2	661.3	646.9	663.3	683.9	685.9
57.5°	11139.3	8527.0	1369.8	815.3	731.1	685.9	646.9	614.1	624.3	636.6	642.8
60°	12334.5	9633.9	1799.0	823.5	722.9	667.5	618.2	575.0	573.0	581.2	583.3
62.5°	13932.3	11139.3	2281.7	837.9	741.4	644.9	575.0	529.9	521.6	525.7	527.8
65°	15154.3	11858.1	2129.7	825.6	780.4	628.4	534.0	486.7	470.3	466.2	466.2
67.5°	14657.3	10907.2	1482.8	792.7	798.9	630.5	501.1	441.5	421.0	410.7	408.7
70°	12472.1	8859.7	1031.0	759.9	778.4	626.4	466.2	404.6	377.9	363.5	361.5
72.5°	9853.7	6764.9	833.8	694.2	706.5	564.8	414.8	363.5	340.9	322.4	322.4
75°	6341.8	4127.9	696.2	618.2	577.1	439.5	359.4	324.5	301.9	283.4	283.4
77.5°	2133.8	1532.1	540.1	523.7	431.3	330.6	301.9	279.3	260.8	244.4	242.3
80°	866.7	727.0	396.4	396.4	301.9	252.6	236.2	225.9	213.6	193.0	193.0
82.5°	503.2	441.5	277.3	240.3	201.3	174.6	164.3	154.0	154.0	139.7	139.7
85°	242.3	244.4	166.4	147.9	115.0	100.6	96.5	90.4	88.3	80.1	78.0
87.5°	131.4	133.5	84.2	65.7	45.2	39.0	32.9	30.8	28.8	26.7	26.7
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)