

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: P639521

Luminaire Tested: GWS-SA5C-722-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639521
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-SA5C-722-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17186.2 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

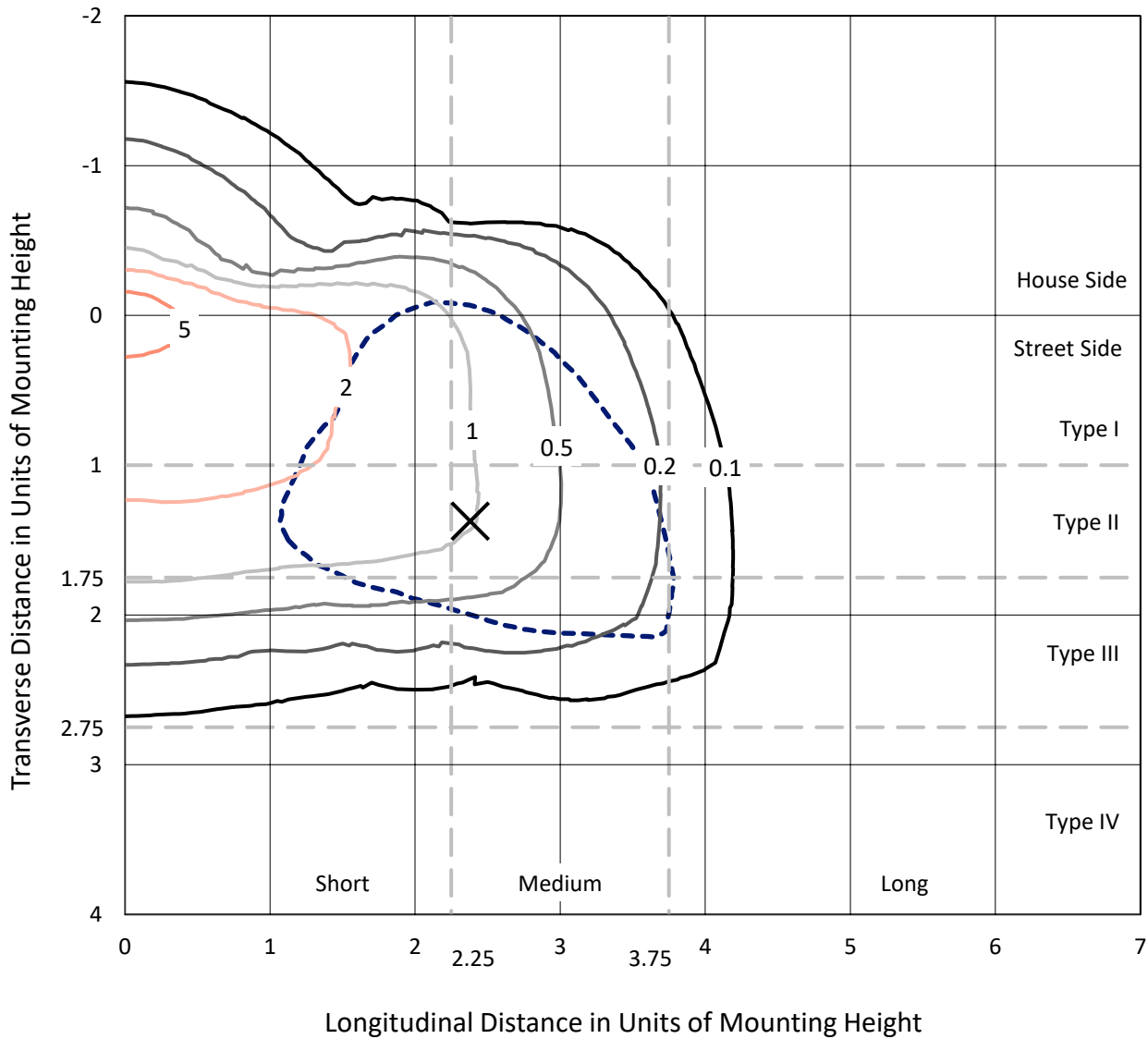
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

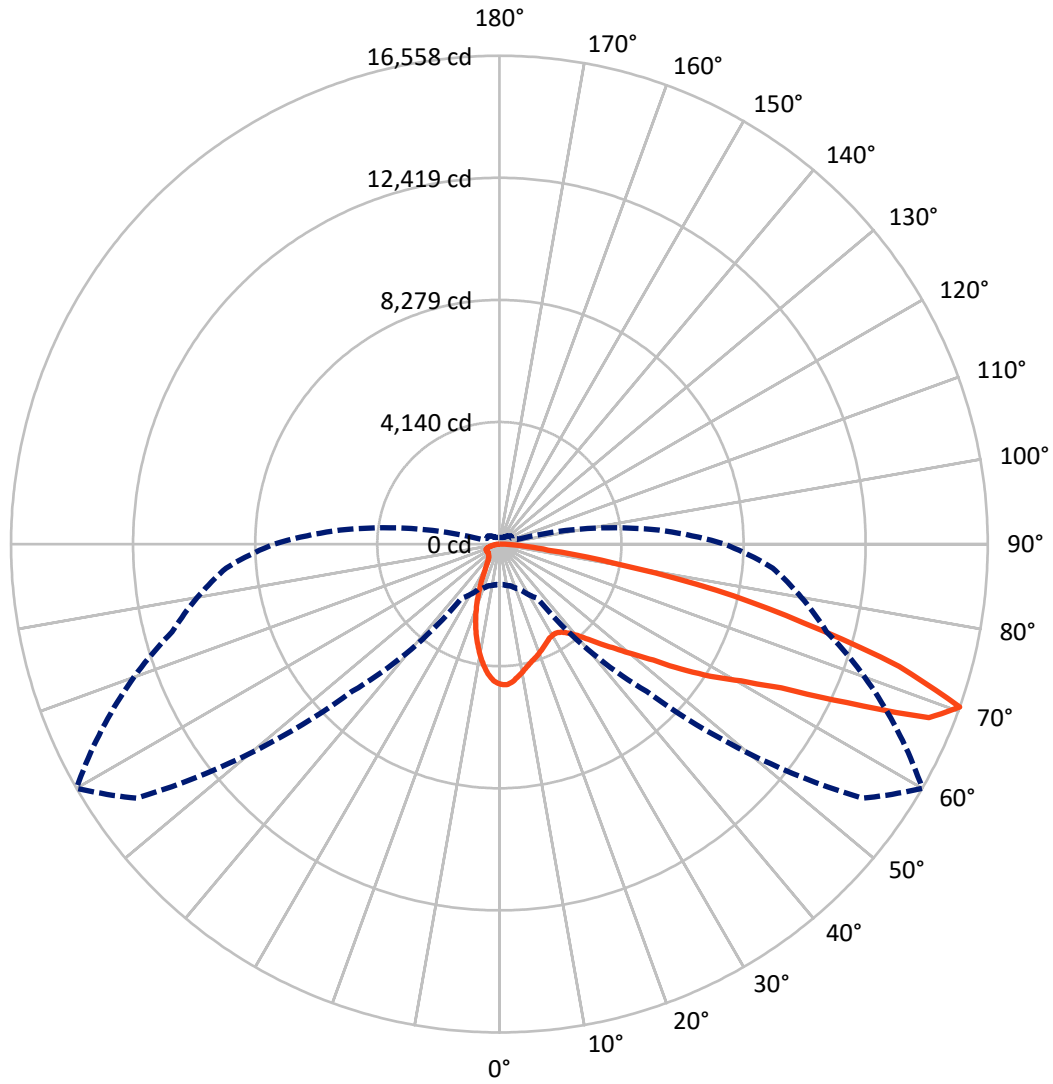
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	2939.2	0.0	2939.2
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	14247.0	0.0	14247.0
	% Fixture	82.9	0.0	82.9
Total	Lumens	17186.2	0.0	17186.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.9	2.4
10°-20°	918.3	5.3
20°-30°	1176.1	6.8
30°-40°	1545.7	9.0
40°-50°	2242.5	13.0
50°-60°	3498.9	20.4
60°-70°	4580.7	26.7
70°-80°	2533.0	14.7
80°-90°	281.1	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°	17186.2	100.0
0°-180°	17186.2	100.0

Coefficient of Utilization



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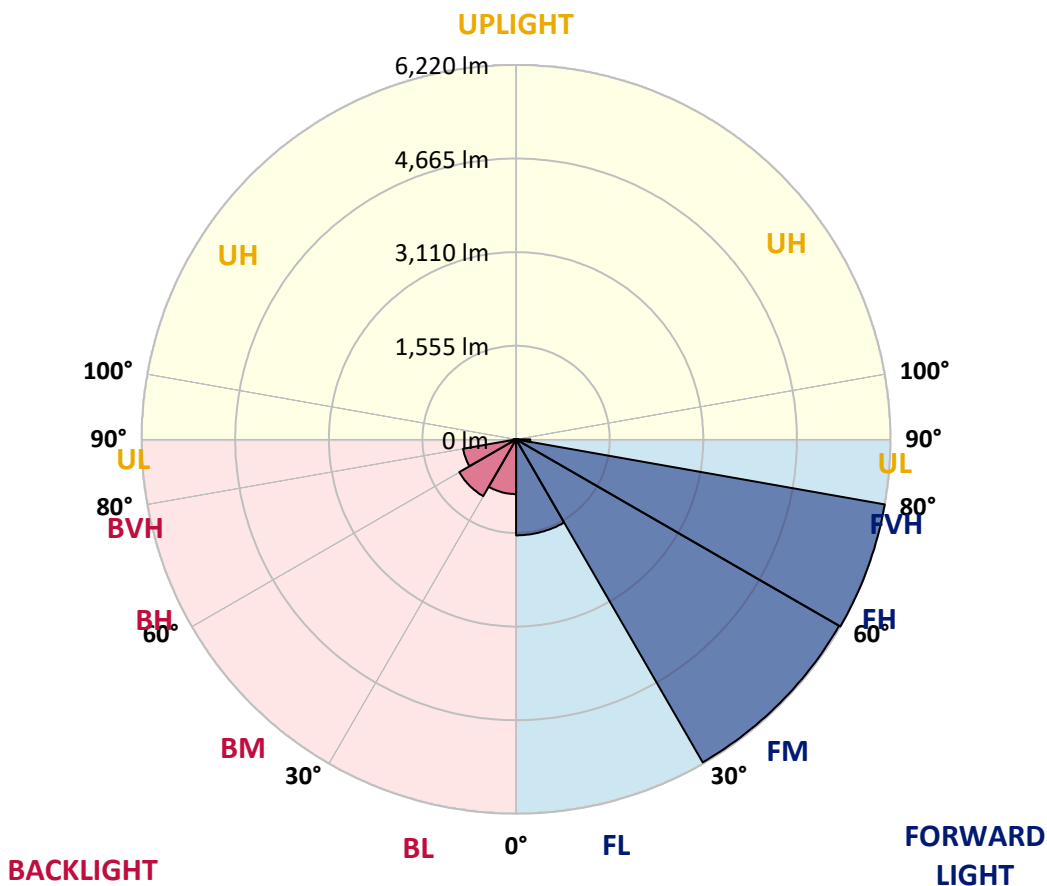
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1595.0	9.3			
FM (30°-60°)	6197.3	36.1			
FH (60°-80°)	6220.5	36.2			G3/7500
FVH (80°-90°)	234.2	1.4			G3/500
BL (0°-30°)	909.4	5.3	B2/1000		
BM (30°-60°)	1089.8	6.3	B2/2500		
BH (60°-80°)	893.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	46.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4755.6	4755.6	4755.6	4755.6	4755.6	4755.6	4755.6	4755.6	4755.6	4755.6	4755.6
2.5°	4689.0	4694.0	4707.9	4728.0	4748.1	4758.2	4783.3	4775.8	4770.7	4760.7	4748.1
5°	4481.5	4491.6	4504.2	4543.1	4587.1	4622.4	4678.9	4685.2	4687.7	4692.8	4672.7
7.5°	4217.5	4220.0	4250.2	4301.7	4359.5	4419.9	4514.2	4540.6	4563.3	4588.4	4572.1
10°	3925.7	3932.0	3954.7	4028.8	4128.2	4217.5	4344.5	4388.5	4436.3	4491.6	4468.9
12.5°	3686.8	3688.1	3724.5	3803.8	3911.9	4032.6	4191.1	4243.9	4306.7	4393.5	4373.4
15°	3496.9	3496.9	3530.9	3598.8	3723.3	3865.4	4054.0	4121.9	4207.4	4324.3	4289.1
17.5°	3346.1	3347.3	3368.7	3440.4	3551.0	3708.2	3932.0	4023.8	4118.1	4272.8	4220.0
20°	3266.8	3260.5	3264.3	3308.3	3402.6	3554.8	3810.0	3916.9	4043.9	4237.6	4157.1
22.5°	3263.1	3251.7	3235.4	3239.2	3294.5	3420.2	3679.3	3808.8	3968.5	4208.7	4093.0
25°	3327.2	3314.6	3285.7	3253.0	3248.0	3323.4	3556.0	3703.2	3890.5	4196.1	4031.4
27.5°	3435.3	3426.5	3388.8	3339.8	3288.2	3285.7	3463.0	3616.4	3833.9	4208.7	3987.3
30°	3578.7	3563.6	3539.7	3476.8	3398.9	3318.4	3426.5	3569.9	3796.2	4248.9	3968.5
32.5°	3740.9	3732.1	3709.5	3646.6	3563.6	3435.3	3455.4	3579.9	3796.2	4319.3	3972.3
35°	3913.2	3911.9	3911.9	3870.4	3778.6	3618.9	3569.9	3665.4	3854.1	4432.5	4012.5
37.5°	4080.4	4079.1	4119.4	4134.5	4030.1	3857.8	3764.8	3836.5	3981.1	4599.7	4111.8
40°	4216.2	4221.2	4309.3	4384.7	4326.9	4167.2	4036.4	4072.9	4187.3	4837.4	4285.4
42.5°	4353.3	4367.1	4499.1	4632.4	4655.0	4516.7	4384.7	4406.1	4482.8	5151.7	4544.4
45°	4502.9	4509.2	4694.0	4880.1	4989.5	4907.8	4799.7	4828.6	4846.2	5540.3	4930.4
47.5°	4647.5	4663.9	4902.8	5158.0	5365.5	5358.0	5297.6	5288.8	5292.6	6013.1	5386.9
50°	4844.9	4868.8	5149.2	5457.3	5761.6	5901.2	5918.8	5852.1	5824.5	6538.7	5955.2
52.5°	5219.6	5219.6	5471.1	5774.2	6182.8	6528.6	6646.8	6537.4	6449.4	7094.5	6558.8
55°	5688.7	5708.8	5908.7	6153.9	6672.0	7188.8	7588.7	7467.9	7219.0	7699.3	7191.3
57.5°	5897.4	5922.5	6239.4	6620.4	7312.0	7939.5	8494.0	8451.3	8087.9	8328.0	7847.7
60°	5520.2	5573.0	6009.3	6648.1	7891.7	9150.4	9541.5	9417.0	8897.7	8988.2	8559.4
62.5°	4604.8	4662.6	5146.7	6038.2	7811.2	10459.4	11192.5	10733.5	9908.6	9821.9	9507.5
65°	2747.5	2745.0	3327.2	4509.2	6819.1	10822.8	13805.5	12949.1	11470.4	10966.1	10483.3
67.5°	1746.6	1742.8	1864.8	2389.1	4538.1	9932.5	15485.4	15708.0	13591.7	11807.4	10563.8
70°	1378.2	1376.9	1464.9	1703.8	2244.5	7068.1	15017.6	16558.0	14873.0	11486.7	9301.3
72.5°	1004.7	1007.2	1143.0	1427.2	1731.5	3548.5	12160.7	14167.6	13679.7	10140.0	7550.9
75°	721.8	725.5	807.3	1092.7	1597.0	1940.2	8086.6	10653.0	10407.8	8128.1	5194.5
77.5°	459.0	464.0	535.7	765.8	1290.1	1566.8	4902.8	7520.8	6924.7	4579.6	1847.2
80°	280.4	296.8	357.1	570.9	1031.1	1175.7	2450.8	3962.2	3468.0	1256.2	621.2
82.5°	144.6	157.2	215.0	353.3	710.5	1032.4	1387.0	1664.9	1073.9	525.6	330.7
85°	45.3	52.8	75.4	143.3	338.3	640.0	917.9	827.4	492.9	247.7	153.4
87.5°	11.3	11.3	12.6	12.6	13.8	28.9	177.3	187.4	130.8	78.0	62.9
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°	4755.6	4755.6	4755.6	4755.6	4755.6	4755.6	4755.6	4755.6	4755.6	4755.6	4755.6
2.5°	4723.0	4692.8	4680.2	4678.9	4647.5	4602.2	4572.1	4550.7	4538.1	4535.6	4535.6
5°	4638.7	4599.7	4548.2	4509.2	4424.9	4339.4	4267.8	4227.5	4181.0	4174.7	4173.4
7.5°	4526.8	4470.2	4372.1	4262.7	4115.6	3973.5	3852.8	3771.1	3689.3	3674.2	3669.2
10°	4406.1	4329.4	4162.1	3969.7	3749.7	3537.2	3352.3	3207.7	3112.2	3044.3	3031.7
12.5°	4286.6	4184.8	3939.6	3652.9	3351.1	3060.6	2782.7	2546.3	2375.3	2276.0	2258.4
15°	4174.7	4032.6	3696.9	3331.0	2938.6	2541.3	2147.7	1840.9	1600.7	1515.2	1495.1
17.5°	4072.9	3895.6	3461.7	2997.7	2508.6	1989.3	1541.6	1268.8	1127.9	1085.2	1075.1
20°	3971.0	3754.7	3222.8	2646.9	2052.1	1469.9	1126.7	998.4	945.6	929.2	924.2
22.5°	3861.6	3600.1	2962.5	2301.1	1590.7	1100.3	921.7	865.1	848.8	850.0	848.8
25°	3752.2	3442.9	2689.7	1925.1	1184.5	892.8	804.8	783.4	787.2	798.5	801.0
27.5°	3661.7	3303.3	2421.8	1512.7	925.5	768.3	726.8	725.5	739.4	754.5	757.0
30°	3596.3	3178.8	2157.8	1163.1	762.0	682.8	666.4	674.0	690.3	701.7	705.4
32.5°	3549.8	3071.9	1876.1	914.2	667.7	622.4	614.9	622.4	632.5	643.8	646.3
35°	3533.4	2994.0	1599.5	745.7	603.6	578.4	573.4	577.2	582.2	588.5	591.0
37.5°	3569.9	2955.0	1310.3	648.8	564.6	549.5	542.0	539.4	540.7	543.2	544.5
40°	3678.0	2972.6	1073.9	592.3	539.4	525.6	513.0	508.0	506.7	509.3	508.0
42.5°	3864.1	3046.8	902.8	559.6	519.3	499.2	485.4	480.3	480.3	486.6	486.6
45°	4137.0	3192.6	779.6	535.7	501.7	476.6	461.5	459.0	464.0	474.1	475.3
47.5°	4536.8	3406.4	705.4	518.1	485.4	456.5	441.4	440.1	450.2	466.5	467.8
50°	5010.9	3714.5	665.2	505.5	474.1	440.1	425.0	426.3	437.6	455.2	459.0
52.5°	5581.8	4134.5	667.7	500.5	467.8	430.0	415.0	412.4	423.8	441.4	445.1
55°	6171.5	4645.0	716.7	501.7	459.0	425.0	404.9	396.1	406.2	418.7	420.0
57.5°	6820.4	5220.9	838.7	499.2	447.6	420.0	396.1	376.0	382.3	389.8	393.6
60°	7552.2	5898.7	1101.5	504.2	442.6	408.7	378.5	352.1	350.8	355.9	357.1
62.5°	8530.5	6820.4	1397.0	513.0	453.9	394.8	352.1	324.4	319.4	321.9	323.2
65°	9278.7	7260.5	1304.0	505.5	477.8	384.8	326.9	298.0	288.0	285.4	285.4
67.5°	8974.4	6678.3	907.9	485.4	489.1	386.0	306.8	270.3	257.8	251.5	250.2
70°	7636.4	5424.6	631.2	465.3	476.6	383.5	285.4	247.7	231.4	222.6	221.3
72.5°	6033.2	4142.0	510.5	425.0	432.6	345.8	254.0	222.6	208.7	197.4	197.4
75°	3883.0	2527.5	426.3	378.5	353.3	269.1	220.1	198.7	184.8	173.5	173.5
77.5°	1306.5	938.1	330.7	320.6	264.1	202.4	184.8	171.0	159.7	149.6	148.4
80°	530.6	445.1	242.7	242.7	184.8	154.7	144.6	138.3	130.8	118.2	118.2
82.5°	308.1	270.3	169.8	147.1	123.2	106.9	100.6	94.3	94.3	85.5	85.5
85°	148.4	149.6	101.9	90.5	70.4	61.6	59.1	55.3	54.1	49.0	47.8
87.5°	80.5	81.7	51.6	40.2	27.7	23.9	20.1	18.9	17.6	16.3	16.3
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)