

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: P639741

Luminaire Tested: GWS-SA5C-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639741
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-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23331.9 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

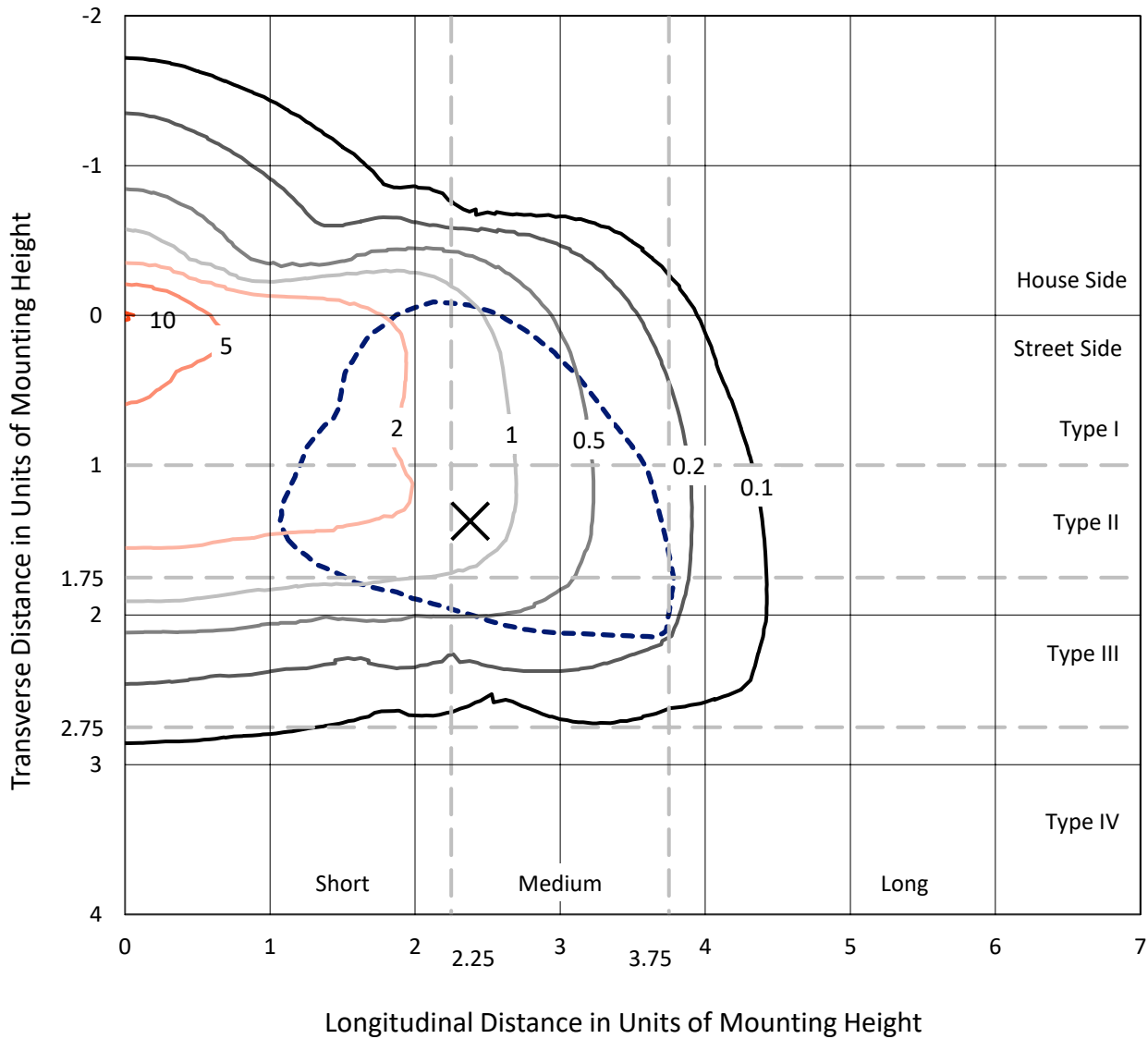
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

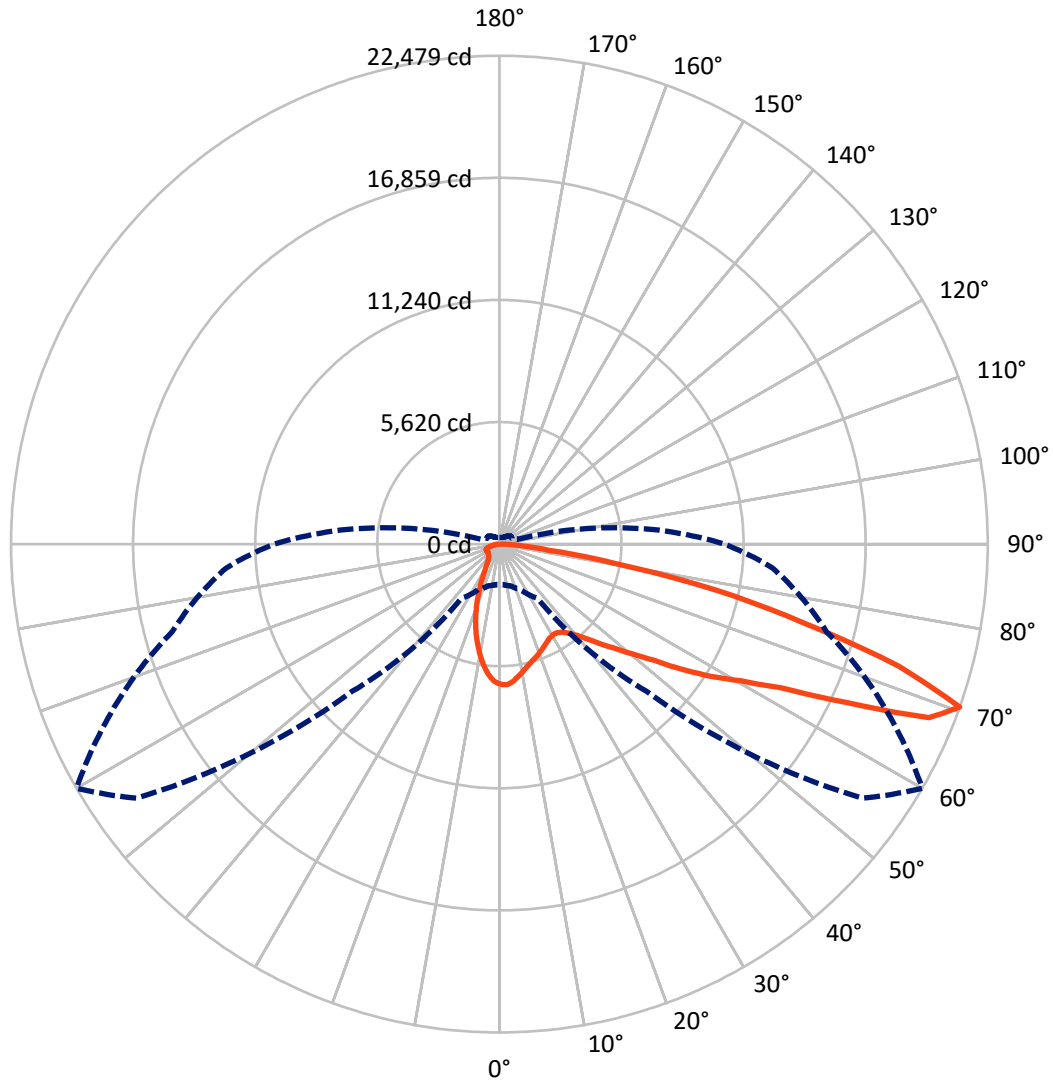
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	3990.3	0.0	3990.3
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	19341.6	0.0	19341.6
	% Fixture	82.9	0.0	82.9
Total	Lumens	23331.9	0.0	23331.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.5	2.4
10°-20°	1246.7	5.3
20°-30°	1596.7	6.8
30°-40°	2098.4	9.0
40°-50°	3044.4	13.0
50°-60°	4750.0	20.4
60°-70°	6218.7	26.7
70°-80°	3438.8	14.7
80°-90°	381.6	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°	23331.9	100.0
0°-180°	23331.9	100.0

Coefficient of Utilization



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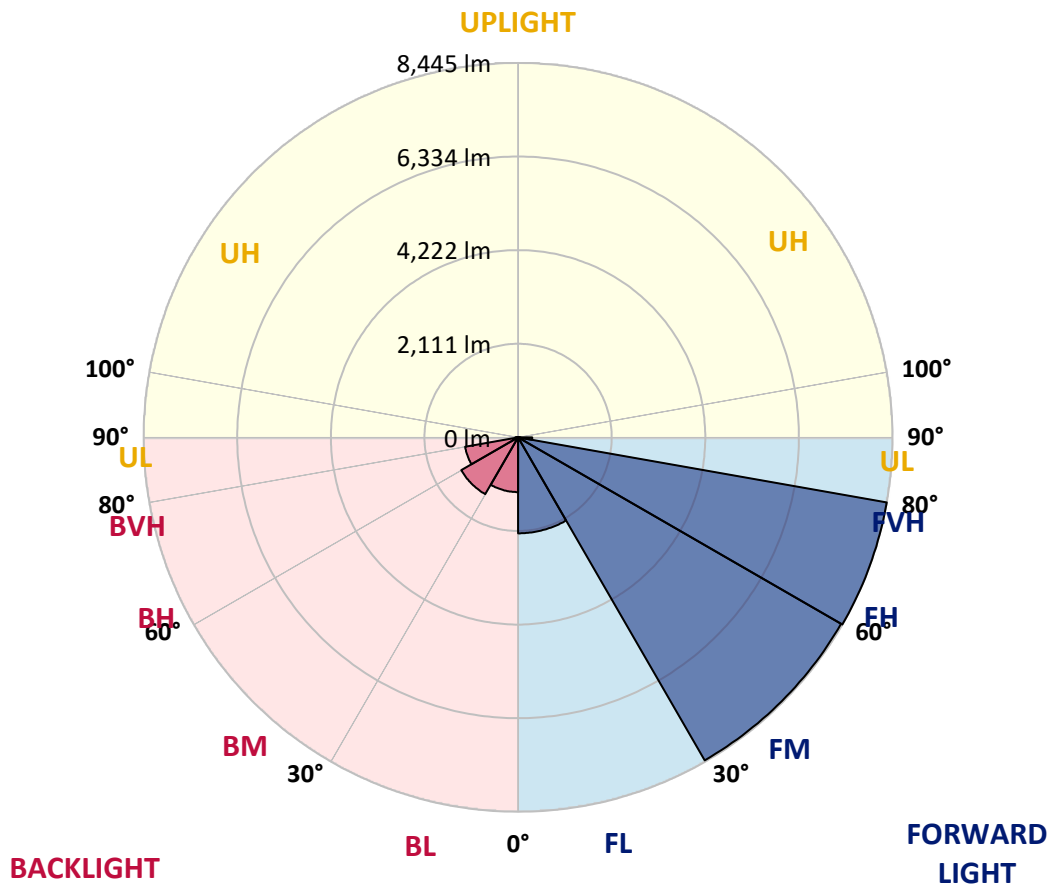
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2165.4	9.3			
FM (30°-60°)	8413.4	36.1			
FH (60°-80°)	8444.9	36.2			G4/12000
FVH (80°-90°)	318.0	1.4			G3/500
BL (0°-30°)	1234.6	5.3	B3/2500		
BM (30°-60°)	1479.5	6.3	B2/2500		
BH (60°-80°)	1212.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	63.6	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°	6456.2	6456.2	6456.2	6456.2	6456.2	6456.2	6456.2	6456.2	6456.2	6456.2	6456.2
2.5°	6365.8	6372.6	6391.4	6418.7	6446.0	6459.7	6493.8	6483.6	6476.7	6463.1	6446.0
5°	6084.1	6097.7	6114.8	6167.7	6227.5	6275.3	6352.1	6360.6	6364.1	6370.9	6343.6
7.5°	5725.6	5729.0	5770.0	5840.0	5918.5	6000.4	6128.5	6164.3	6195.1	6229.2	6207.0
10°	5329.6	5338.1	5368.8	5469.5	5604.4	5725.6	5898.0	5957.8	6022.6	6097.7	6067.0
12.5°	5005.2	5006.9	5056.4	5164.0	5310.8	5474.7	5689.8	5761.5	5846.8	5964.6	5937.3
15°	4747.4	4747.4	4793.5	4885.7	5054.7	5247.6	5503.7	5595.9	5711.9	5870.7	5822.9
17.5°	4542.6	4544.3	4573.3	4670.6	4820.8	5034.2	5338.1	5462.7	5590.7	5800.7	5729.0
20°	4435.0	4426.5	4431.6	4491.4	4619.4	4826.0	5172.5	5317.6	5490.0	5752.9	5643.7
22.5°	4429.9	4414.6	4392.4	4397.5	4472.6	4643.3	4995.0	5170.8	5387.6	5713.7	5556.6
25°	4517.0	4499.9	4460.6	4416.3	4409.4	4511.9	4827.7	5027.4	5281.8	5696.6	5473.0
27.5°	4663.8	4651.8	4600.6	4534.0	4464.1	4460.6	4701.3	4909.6	5204.9	5713.7	5413.2
30°	4858.4	4837.9	4805.5	4720.1	4614.3	4505.0	4651.8	4846.4	5153.7	5768.3	5387.6
32.5°	5078.6	5066.7	5035.9	4950.6	4837.9	4663.8	4691.1	4860.1	5153.7	5863.9	5392.7
35°	5312.5	5310.8	5310.8	5254.4	5129.8	4913.0	4846.4	4976.2	5232.3	6017.5	5447.3
37.5°	5539.5	5537.8	5592.4	5612.9	5471.2	5237.4	5111.0	5208.4	5404.7	6244.6	5582.2
40°	5723.9	5730.7	5850.2	5952.6	5874.1	5657.3	5479.8	5529.3	5684.6	6567.2	5817.8
42.5°	5910.0	5928.7	6108.0	6288.9	6319.7	6131.9	5952.6	5981.7	6085.8	6994.0	6169.4
45°	6113.1	6121.6	6372.6	6625.2	6773.8	6662.8	6516.0	6555.3	6579.1	7521.5	6693.5
47.5°	6309.4	6331.6	6656.0	7002.5	7284.2	7273.9	7192.0	7180.0	7185.2	8163.3	7313.2
50°	6577.4	6609.9	6990.6	7408.8	7821.9	8011.4	8035.3	7944.8	7907.3	8876.9	8084.8
52.5°	7086.2	7086.2	7427.6	7839.0	8393.8	8863.2	9023.7	8875.2	8755.7	9631.4	8904.2
55°	7722.9	7750.2	8021.6	8354.5	9057.9	9759.5	10302.3	10138.4	9800.4	10452.6	9762.9
57.5°	8006.3	8040.4	8470.6	8987.9	9926.8	10778.6	11531.4	11473.4	10980.0	11306.1	10654.0
60°	7494.2	7565.9	8158.2	9025.4	10713.7	12422.5	12953.4	12784.4	12079.4	12202.3	11620.2
62.5°	6251.4	6329.9	6987.1	8197.5	10604.5	14199.6	15194.9	14571.8	13451.9	13334.1	12907.4
65°	3730.0	3726.6	4517.0	6121.6	9257.6	14693.0	18742.2	17579.7	15572.1	14887.6	14232.1
67.5°	2371.2	2366.0	2531.6	3243.5	6160.9	13484.4	21022.9	21325.0	18452.0	16029.6	14341.3
70°	1871.0	1869.3	1988.8	2313.1	3047.2	9595.6	20387.9	22479.0	20191.5	15594.3	12627.4
72.5°	1364.0	1367.4	1551.8	1937.6	2350.7	4817.4	16509.3	19233.9	18571.5	13766.0	10251.1
75°	979.9	985.0	1096.0	1483.5	2168.0	2634.0	10978.3	14462.5	14129.6	11034.7	7052.0
77.5°	623.1	629.9	727.2	1039.6	1751.5	2127.0	6656.0	10210.1	9401.0	6217.2	2507.7
80°	380.7	402.9	484.8	775.0	1399.8	1596.1	3327.1	5379.1	4708.2	1705.4	843.3
82.5°	196.3	213.4	291.9	479.7	964.5	1401.5	1882.9	2260.2	1457.9	713.6	449.0
85°	61.5	71.7	102.4	194.6	459.2	868.9	1246.2	1123.3	669.2	336.3	208.3
87.5°	15.4	15.4	17.1	17.1	18.8	39.3	240.7	254.4	177.5	105.8	85.4
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°	6456.2	6456.2	6456.2	6456.2	6456.2	6456.2	6456.2	6456.2	6456.2	6456.2	6456.2
2.5°	6411.9	6370.9	6353.8	6352.1	6309.4	6248.0	6207.0	6178.0	6160.9	6157.5	6157.5
5°	6297.5	6244.6	6174.6	6121.6	6007.3	5891.2	5793.9	5739.3	5676.1	5667.6	5665.9
7.5°	6145.5	6068.7	5935.6	5787.1	5587.3	5394.4	5230.5	5119.6	5008.6	4988.1	4981.3
10°	5981.7	5877.5	5650.5	5389.3	5090.6	4802.1	4551.1	4354.8	4225.1	4132.9	4115.8
12.5°	5819.5	5681.2	5348.3	4959.1	4549.4	4155.1	3777.8	3456.9	3224.7	3089.8	3065.9
15°	5667.6	5474.7	5018.9	4522.1	3989.5	3450.0	2915.7	2499.2	2173.1	2057.1	2029.7
17.5°	5529.3	5288.6	4699.6	4069.7	3405.7	2700.6	2092.9	1722.5	1531.3	1473.2	1459.6
20°	5391.0	5097.4	4375.3	3593.4	2786.0	1995.6	1529.6	1355.4	1283.7	1261.5	1254.7
22.5°	5242.5	4887.4	4021.9	3124.0	2159.5	1493.7	1251.3	1174.5	1152.3	1154.0	1152.3
25°	5094.0	4674.0	3651.5	2613.6	1608.1	1212.0	1092.5	1063.5	1068.6	1084.0	1087.4
27.5°	4971.1	4484.5	3287.9	2053.6	1256.4	1043.0	986.7	985.0	1003.8	1024.3	1027.7
30°	4882.3	4315.5	2929.4	1579.1	1034.5	927.0	904.8	915.0	937.2	952.6	957.7
32.5°	4819.1	4170.4	2547.0	1241.1	906.5	845.0	834.8	845.0	858.7	874.0	877.4
35°	4796.9	4064.6	2171.4	1012.3	819.4	785.3	778.4	783.6	790.4	798.9	802.3
37.5°	4846.4	4011.7	1778.8	880.9	766.5	746.0	735.8	732.3	734.1	737.5	739.2
40°	4993.3	4035.6	1457.9	804.0	732.3	713.6	696.5	689.7	688.0	691.4	689.7
42.5°	5245.9	4136.3	1225.7	759.7	705.0	677.7	658.9	652.1	652.1	660.6	660.6
45°	5616.3	4334.3	1058.4	727.2	681.1	647.0	626.5	623.1	629.9	643.6	645.3
47.5°	6159.2	4624.5	957.7	703.3	658.9	619.7	599.2	597.5	611.1	633.3	635.0
50°	6802.8	5042.8	903.1	686.3	643.6	597.5	577.0	578.7	594.1	618.0	623.1
52.5°	7577.8	5612.9	906.5	679.4	635.0	583.8	563.3	559.9	575.3	599.2	604.3
55°	8378.4	6306.0	973.0	681.1	623.1	577.0	549.7	537.7	551.4	568.5	570.2
57.5°	9259.3	7087.9	1138.6	677.7	607.7	570.2	537.7	510.4	519.0	529.2	534.3
60°	10252.8	8008.0	1495.4	684.5	600.9	554.8	513.8	478.0	476.3	483.1	484.8
62.5°	11580.9	9259.3	1896.6	696.5	616.3	536.0	478.0	440.4	433.6	437.0	438.7
65°	12596.7	9856.8	1770.3	686.3	648.7	522.4	443.8	404.6	390.9	387.5	387.5
67.5°	12183.5	9066.4	1232.5	658.9	664.1	524.1	416.5	367.0	350.0	341.4	339.7
70°	10367.2	7364.4	857.0	631.6	647.0	520.7	387.5	336.3	314.1	302.2	300.4
72.5°	8190.6	5623.2	693.1	577.0	587.2	469.5	344.8	302.2	283.4	268.0	268.0
75°	5271.5	3431.3	578.7	513.8	479.7	365.3	298.7	269.7	250.9	235.6	235.6
77.5°	1773.7	1273.5	449.0	435.3	358.5	274.8	250.9	232.2	216.8	203.1	201.4
80°	720.4	604.3	329.5	329.5	250.9	210.0	196.3	187.8	177.5	160.5	160.5
82.5°	418.2	367.0	230.5	199.7	167.3	145.1	136.6	128.0	128.0	116.1	116.1
85°	201.4	203.1	138.3	122.9	95.6	83.6	80.2	75.1	73.4	66.6	64.9
87.5°	109.3	111.0	70.0	54.6	37.6	32.4	27.3	25.6	23.9	22.2	22.2
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)