

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: P636297

Luminaire Tested: GWS-SA3F-740-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-740-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20868.8 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

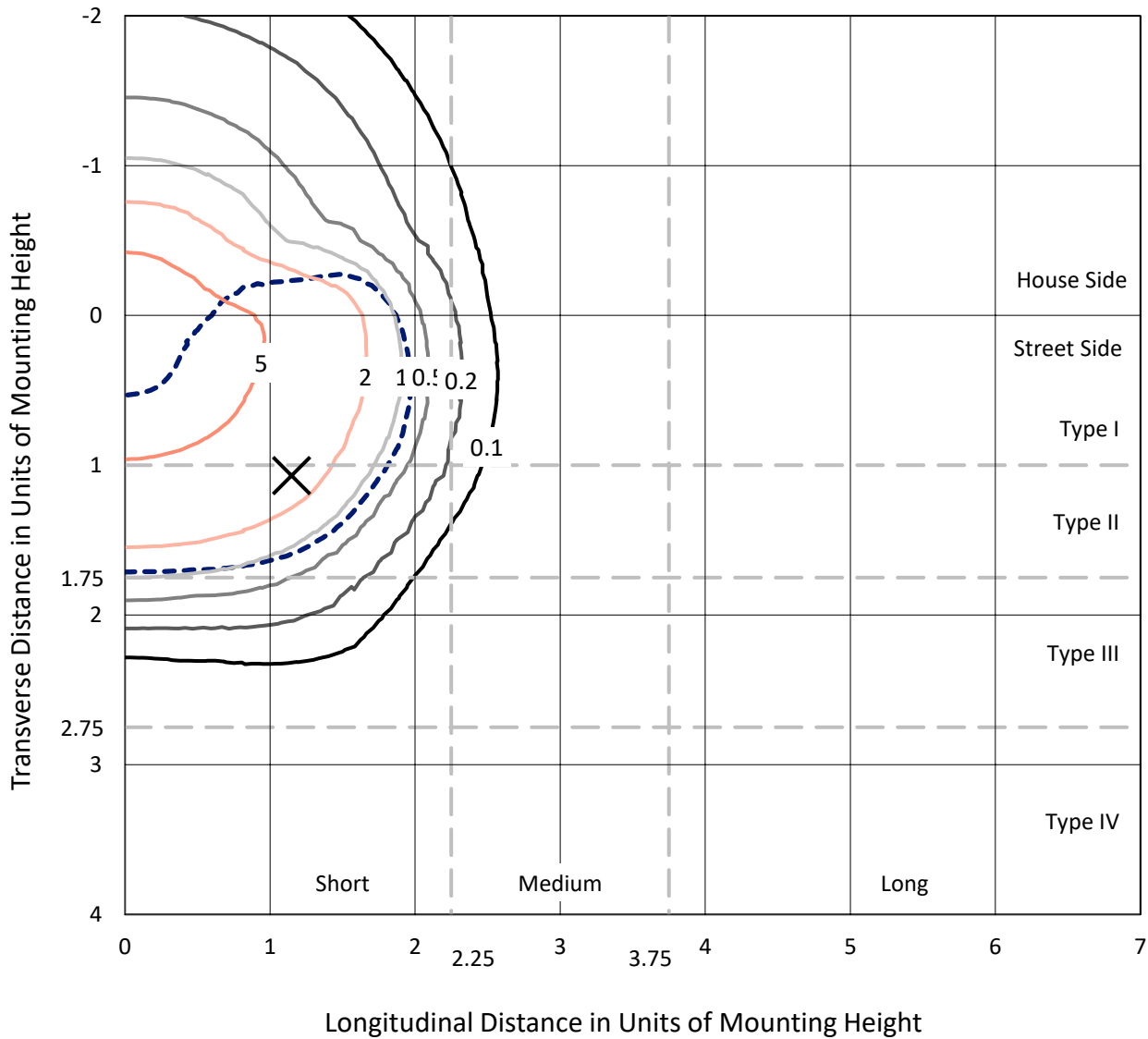
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

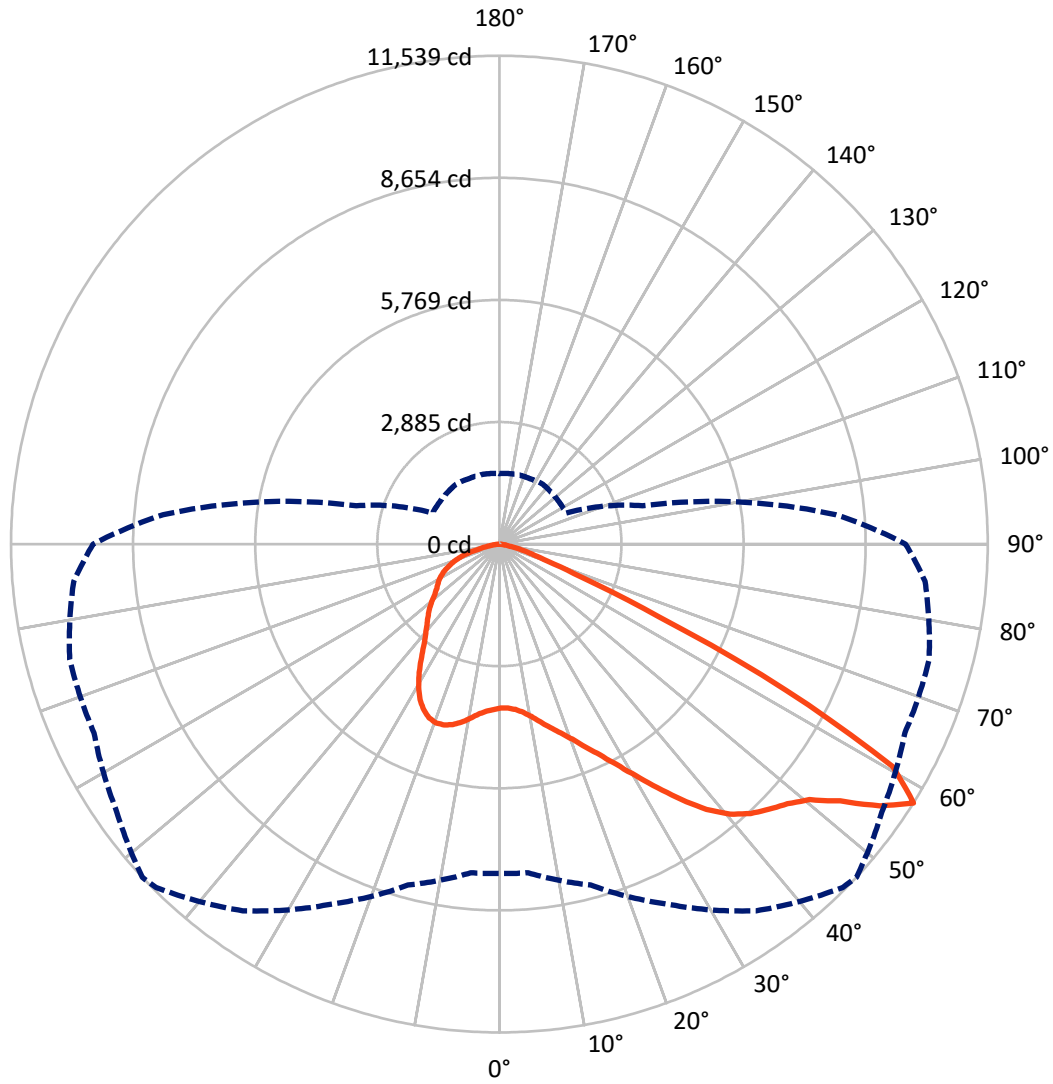
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6604.9	0.0	6604.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	14263.9	0.0	14263.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	20868.8	0.0	20868.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.7	1.8
10°-20°	1255.5	6.0
20°-30°	2260.6	10.8
30°-40°	3414.5	16.4
40°-50°	4598.0	22.0
50°-60°	5525.1	26.5
60°-70°	2690.8	12.9
70°-80°	662.9	3.2
80°-90°	79.7	0.4
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°	20868.8	100.0
0°-180°	20868.8	100.0

Coefficient of Utilization



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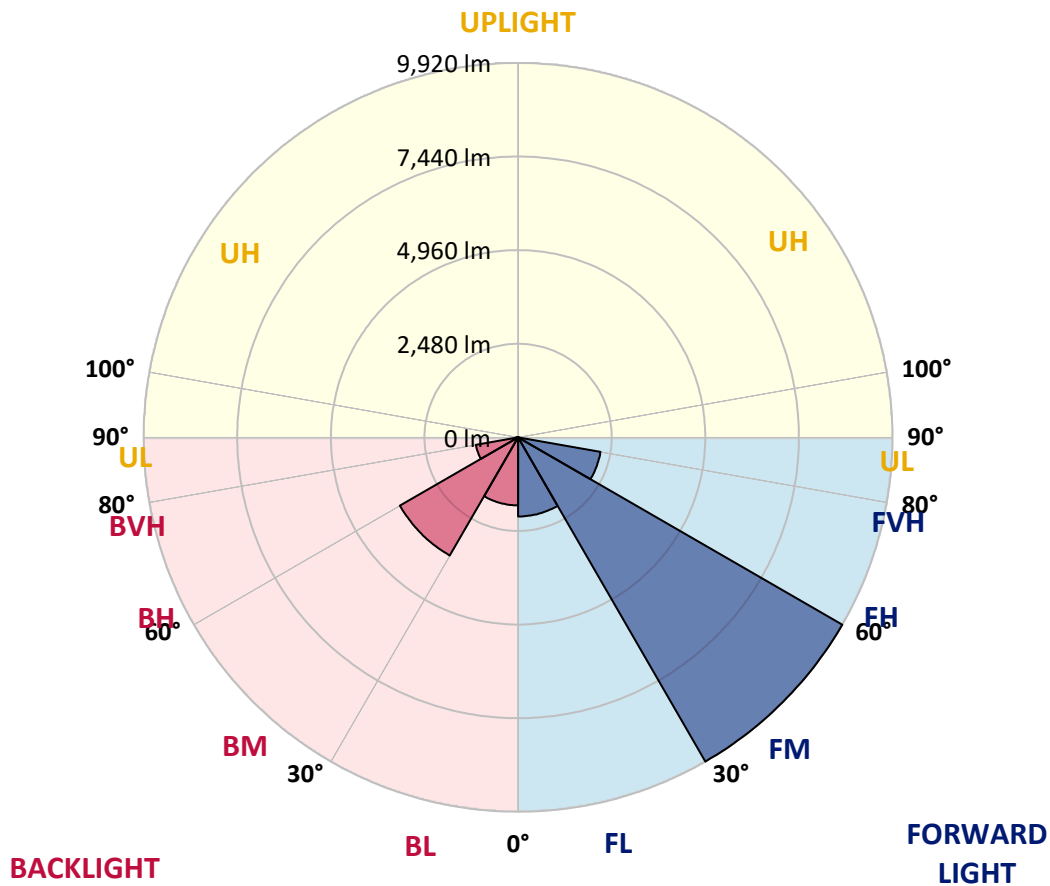
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2096.2	10.0			
FM (30°-60°)	9920.0	47.5			
FH (60°-80°)	2217.7	10.6			G2/5000
FVH (80°-90°)	29.9	0.1			G1/100
BL (0°-30°)	1801.7	8.6	B3/2500		
BM (30°-60°)	3617.5	17.3	B3/5000		
BH (60°-80°)	1136.0	5.4	B3/2500		G3/2500
BVH (80°-90°)	49.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3870.1	3870.1	3870.1	3870.1	3870.1	3870.1	3870.1	3870.1	3870.1	3870.1	3870.1
2.5°	3863.1	3861.4	3861.4	3871.9	3871.9	3875.4	3880.7	3885.9	3887.7	3878.9	3859.6
5°	3905.2	3905.2	3905.2	3914.0	3914.0	3917.5	3924.5	3926.2	3924.5	3910.5	3891.2
7.5°	3971.8	3971.8	3973.6	3984.1	3992.8	3998.1	4010.4	4008.6	4003.4	3980.6	3956.0
10°	4080.5	4085.7	4091.0	4103.3	4120.8	4133.1	4141.8	4141.8	4134.8	4099.8	4068.2
12.5°	4234.7	4241.7	4247.0	4257.5	4271.5	4292.6	4311.9	4311.9	4303.1	4259.3	4211.9
15°	4415.3	4422.3	4420.5	4424.0	4450.3	4480.1	4495.9	4506.4	4509.9	4448.6	4375.0
17.5°	4622.1	4629.1	4622.1	4611.6	4615.1	4662.4	4690.5	4729.0	4751.8	4669.4	4552.0
20°	4809.6	4802.6	4802.6	4809.6	4820.2	4878.0	4920.1	4983.2	5011.2	4911.3	4729.0
22.5°	5007.7	5023.5	5016.5	5016.5	5058.5	5154.9	5205.8	5288.2	5317.9	5188.2	4942.9
25°	5263.6	5277.6	5274.1	5277.6	5326.7	5463.4	5514.3	5666.8	5696.6	5510.8	5179.5
27.5°	5544.1	5566.8	5577.4	5573.9	5652.7	5831.5	5894.6	6106.7	6161.0	5871.8	5431.9
30°	5908.6	5933.2	5941.9	5938.4	6031.3	6275.0	6346.8	6588.7	6665.8	6299.5	5752.6
32.5°	6331.1	6355.6	6381.9	6392.4	6511.6	6760.5	6863.9	7114.6	7225.0	6793.8	6140.0
35°	6750.0	6771.0	6821.8	6904.2	7067.2	7321.4	7412.5	7659.7	7766.6	7307.4	6608.0
37.5°	7212.7	7226.7	7270.6	7384.5	7619.4	7861.2	7952.4	8189.0	8201.3	7803.4	7137.3
40°	7719.3	7719.3	7710.5	7822.7	8068.1	8311.7	8390.6	8527.3	8455.4	8185.5	7652.7
42.5°	8148.7	8141.7	8148.7	8253.9	8436.2	8634.2	8702.6	8676.3	8585.1	8478.2	8118.9
45°	8536.1	8541.3	8604.4	8685.0	8779.7	8897.1	8937.5	8788.5	8706.1	8713.1	8492.2
47.5°	8799.0	8804.2	8951.5	9086.4	9144.3	9181.1	9163.6	8956.7	8914.7	8993.5	8779.7
50°	8834.0	8862.1	9116.2	9393.2	9536.9	9542.2	9493.1	9240.7	9228.4	9317.8	8933.9
52.5°	8841.0	8869.1	9186.3	9685.9	10059.2	10138.1	10082.0	9819.1	9691.1	9601.8	9123.2
55°	8814.8	8846.3	9196.9	9882.2	10597.3	10912.8	10918.1	10546.5	10138.1	10078.5	9663.1
57.5°	7782.4	7794.6	8338.0	9382.7	10576.3	11470.2	11538.6	11033.8	10567.5	10511.5	10096.0
60°	5421.4	5470.4	6061.1	7440.6	8884.9	10460.6	10681.5	10534.2	10222.2	9813.8	8662.3
62.5°	2715.1	2757.1	3349.6	4653.6	6127.7	7372.2	7608.8	7764.8	7838.5	7400.3	5898.1
65°	1169.1	1200.7	1568.7	2431.1	3468.8	4070.0	4152.3	4339.9	4799.1	4282.1	3177.8
67.5°	781.7	802.8	990.3	1482.9	2043.7	2082.3	2070.0	2110.4	2210.3	1824.6	1435.5
70°	599.5	617.0	743.2	1086.7	1468.8	1256.7	1190.1	1079.7	1172.6	1195.4	1163.8
72.5°	434.7	448.7	543.4	741.4	920.2	802.8	792.3	848.3	974.5	1009.6	990.3
75°	280.4	287.5	345.3	406.6	475.0	515.3	536.4	638.0	766.0	792.3	769.5
77.5°	187.5	192.8	226.1	261.2	269.9	271.7	278.7	324.3	411.9	461.0	455.7
80°	98.2	98.2	110.4	110.4	126.2	150.7	157.8	187.5	227.9	252.4	254.2
82.5°	38.6	40.3	47.3	52.6	63.1	77.1	82.4	98.2	119.2	136.7	152.5
85°	15.8	17.5	19.3	22.8	28.0	35.1	36.8	42.1	56.1	70.1	78.9
87.5°	0.0	0.0	1.8	1.8	3.5	5.3	5.3	7.0	8.8	15.8	21.0
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°	3870.1	3870.1	3870.1	3870.1	3870.1	3870.1	3870.1	3870.1	3870.1	3870.1	3870.1
2.5°	3882.4	3859.6	3882.4	3889.4	3908.7	3915.7	3903.5	3901.7	3901.7	3884.2	3878.9
5°	3908.7	3887.7	3910.5	3921.0	3949.0	3966.6	3970.1	3984.1	3992.8	3985.8	3984.1
7.5°	3973.6	3947.3	3971.8	3987.6	4024.4	4052.4	4064.7	4096.3	4119.0	4115.5	4113.8
10°	4087.5	4052.4	4080.5	4106.8	4147.1	4180.4	4182.1	4199.7	4222.5	4215.4	4211.9
12.5°	4219.0	4185.7	4217.2	4243.5	4290.8	4304.8	4282.1	4275.0	4278.5	4269.8	4262.8
15°	4380.2	4332.9	4360.9	4390.7	4417.0	4401.2	4352.2	4332.9	4331.1	4318.9	4311.9
17.5°	4541.5	4481.9	4502.9	4518.7	4506.4	4457.3	4396.0	4362.7	4346.9	4322.4	4315.4
20°	4701.0	4625.6	4622.1	4609.8	4553.7	4464.3	4382.0	4315.4	4275.0	4241.7	4229.5
22.5°	4883.3	4778.1	4725.5	4669.4	4546.7	4401.2	4276.8	4182.1	4117.3	4075.2	4061.2
25°	5079.6	4930.6	4821.9	4709.7	4476.6	4266.3	4092.8	3963.0	3885.9	3840.4	3824.6
27.5°	5274.1	5069.1	4906.0	4715.0	4336.4	4071.7	3838.6	3663.3	3586.2	3549.4	3537.1
30°	5537.0	5253.1	5006.0	4646.6	4152.3	3801.8	3510.8	3333.8	3283.0	3256.7	3246.2
32.5°	5840.3	5486.2	5139.2	4502.9	3917.5	3486.3	3179.6	3056.9	3021.8	2971.0	2969.2
35°	6239.9	5819.2	5265.4	4290.8	3621.3	3148.0	2925.4	2837.8	2774.7	2694.0	2687.0
37.5°	6706.2	6234.7	5333.7	4020.9	3276.0	2869.3	2736.1	2637.9	2536.3	2429.4	2415.3
40°	7188.2	6720.2	5339.0	3701.9	2937.7	2685.3	2573.1	2445.1	2318.9	2199.7	2184.0
42.5°	7694.7	7172.4	5246.1	3333.8	2660.7	2525.8	2411.8	2250.6	2108.6	2028.0	2019.2
45°	8146.9	7537.0	5035.8	2946.4	2455.7	2392.6	2247.1	2073.5	1998.2	1940.3	1928.1
47.5°	8502.8	7778.9	4751.8	2599.4	2289.1	2255.8	2066.5	1977.1	1919.3	1866.7	1854.4
50°	8678.0	7833.2	4382.0	2317.2	2134.9	2094.6	1964.9	1896.5	1858.0	1815.9	1805.4
52.5°	8895.4	7894.5	4063.0	2080.6	1984.2	1929.8	1880.7	1826.4	1798.4	1772.1	1763.3
55°	9394.9	8125.9	3894.7	1891.3	1840.4	1815.9	1808.9	1763.3	1754.5	1737.0	1721.2
57.5°	9598.3	7976.9	3496.8	1737.0	1726.5	1730.0	1747.5	1705.5	1696.7	1675.7	1665.1
60°	7719.3	6029.6	2368.0	1603.8	1631.8	1654.6	1672.2	1630.1	1617.8	1614.3	1600.3
62.5°	4946.4	3708.9	1652.9	1479.4	1521.4	1549.5	1560.0	1519.7	1510.9	1538.9	1540.7
65°	2574.8	2021.0	1340.9	1346.1	1381.2	1423.3	1444.3	1430.3	1426.8	1456.6	1458.3
67.5°	1314.6	1235.7	1169.1	1188.4	1216.4	1270.8	1319.8	1381.2	1402.2	1405.7	1407.5
70°	1120.0	1085.0	1051.7	1063.9	1093.7	1123.5	1170.9	1200.7	1165.6	1156.8	1153.3
72.5°	953.5	927.2	911.4	925.5	941.2	936.0	922.0	936.0	941.2	943.0	944.8
75°	741.4	722.1	709.9	711.6	711.6	692.4	666.1	650.3	632.8	618.7	618.7
77.5°	454.0	457.5	469.7	468.0	466.2	459.2	432.9	418.9	376.8	364.6	364.6
80°	259.4	264.7	276.9	280.4	280.4	271.7	245.4	229.6	210.3	201.6	199.8
82.5°	157.8	164.8	171.8	175.3	177.0	166.5	143.7	131.5	120.9	112.2	112.2
85°	82.4	85.9	92.9	94.7	89.4	78.9	66.6	61.3	50.8	49.1	49.1
87.5°	22.8	24.5	28.0	22.8	21.0	15.8	8.8	7.0	3.5	1.8	1.8
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)