

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: P643504

Luminaire Tested: GWS-SA6F-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36685.4 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

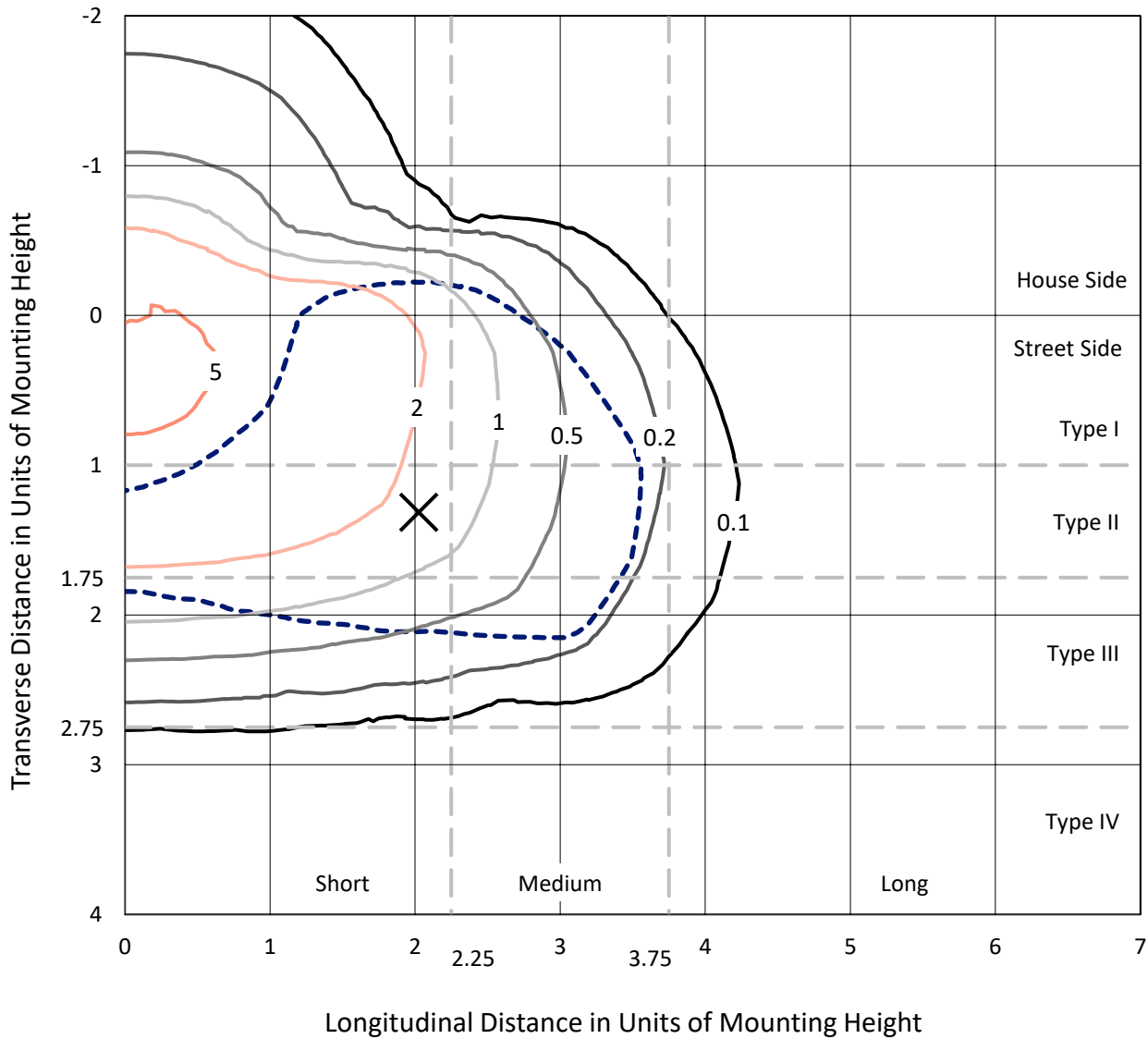
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

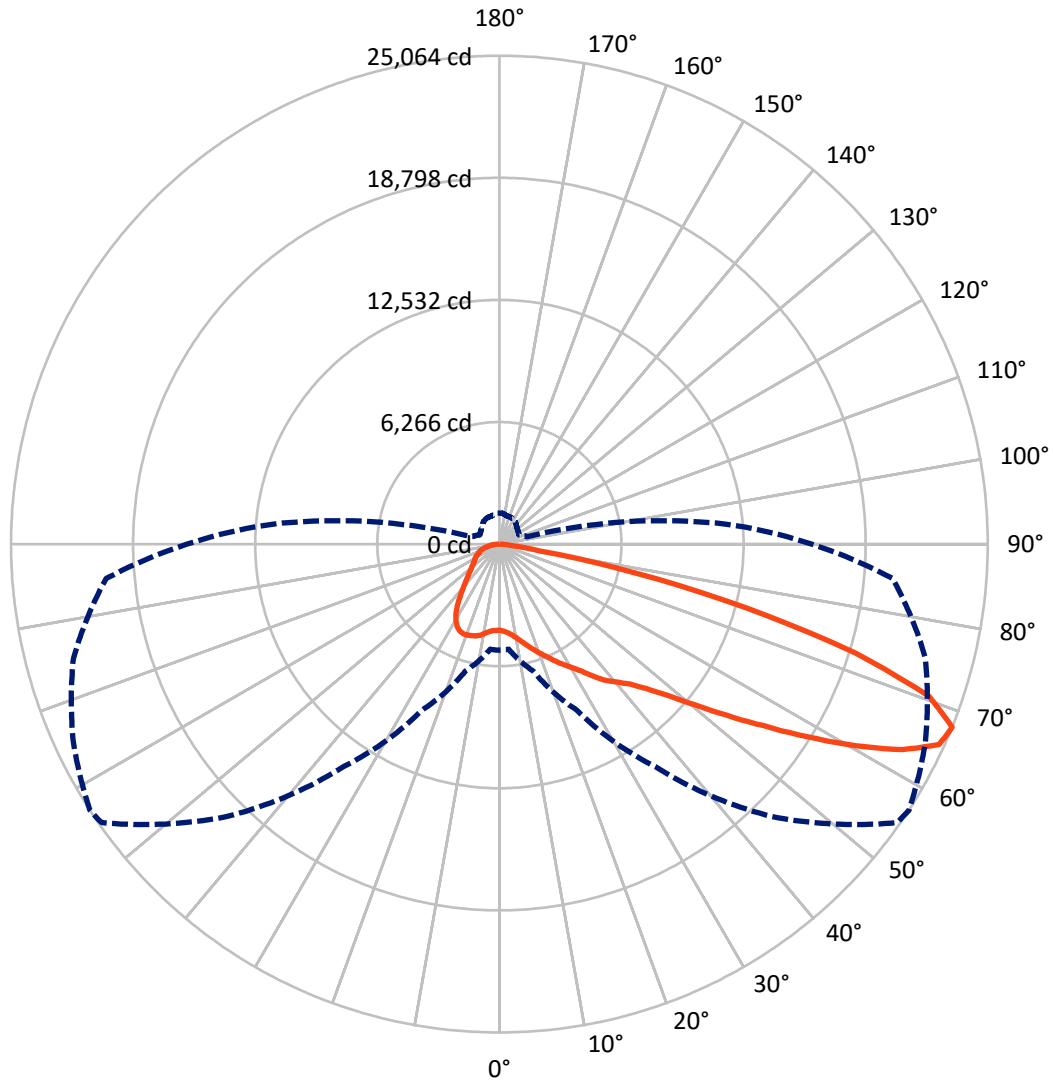
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8065.7	0.0	8065.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	28619.7	0.0	28619.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	36685.4	0.0	36685.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.4	1.2
10°-20°	1451.3	4.0
20°-30°	2587.5	7.1
30°-40°	3761.8	10.3
40°-50°	5444.7	14.8
50°-60°	8520.7	23.2
60°-70°	9940.0	27.1
70°-80°	4149.4	11.3
80°-90°	391.6	1.1
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°	36685.4	100.0
0°-180°	36685.4	100.0

Coefficient of Utilization



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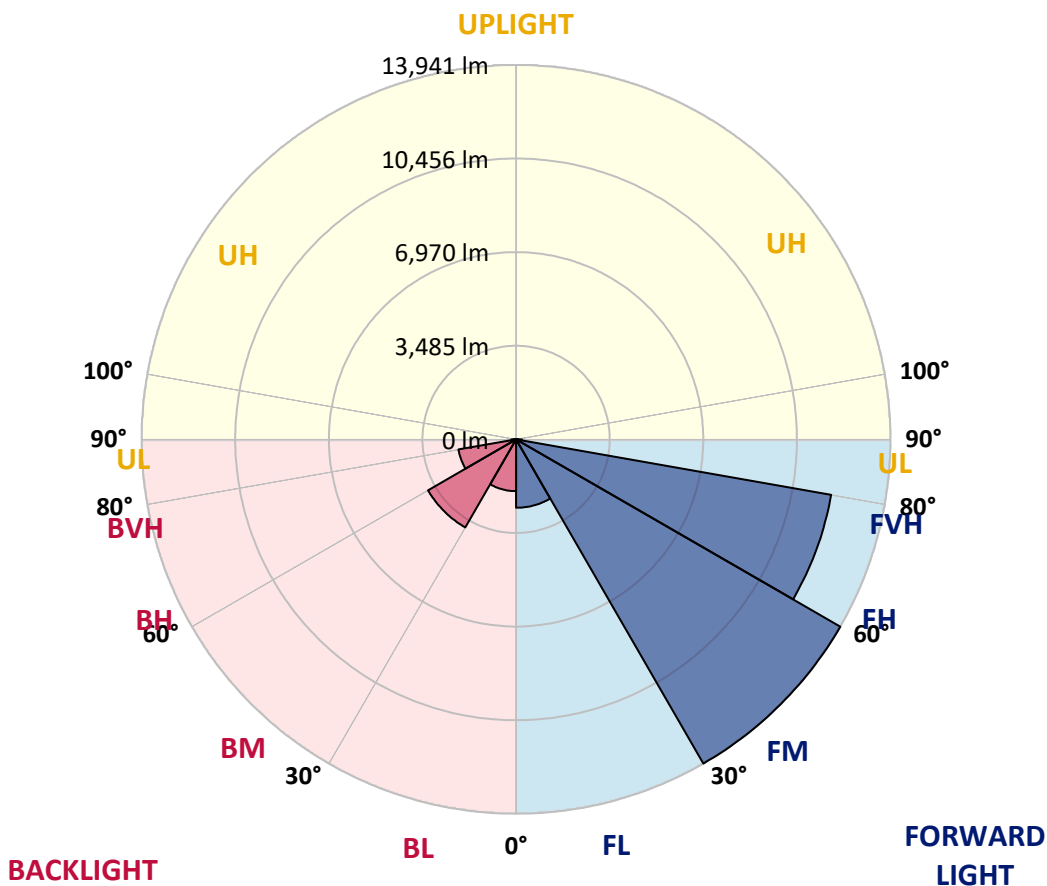
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2548.2	6.9			
FM (30°-60°)	13941.0	38.0			
FH (60°-80°)	11912.4	32.5			G4/12000
FVH (80°-90°)	218.2	0.6			G2/225
BL (0°-30°)	1929.1	5.3	B3/2500		
BM (30°-60°)	3786.3	10.3	B3/5000		
BH (60°-80°)	2177.0	5.9	B3/2500		G3/2500
BVH (80°-90°)	173.4	0.5			G2/225
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	4420.3	4420.3	4420.3	4420.3	4420.3	4420.3	4420.3	4420.3	4420.3	4420.3	4420.3
2.5°	4483.4	4478.2	4475.5	4491.3	4486.0	4483.4	4483.4	4480.8	4475.5	4454.5	4425.6
5°	4606.9	4596.4	4585.9	4599.0	4588.5	4578.0	4575.4	4570.1	4551.7	4520.2	4475.5
7.5°	4735.7	4725.2	4727.8	4735.7	4727.8	4722.6	4714.7	4709.4	4680.5	4630.6	4570.1
10°	4917.0	4917.0	4922.3	4930.2	4932.8	4924.9	4909.2	4901.3	4867.1	4804.0	4719.9
12.5°	5179.8	5174.6	5174.6	5169.3	5177.2	5169.3	5153.6	5140.4	5098.4	5016.9	4896.0
15°	5526.7	5505.7	5487.3	5453.2	5442.6	5413.7	5419.0	5411.1	5371.7	5261.3	5108.9
17.5°	5897.3	5894.7	5865.8	5797.4	5729.1	5681.8	5692.3	5689.7	5668.7	5518.9	5324.4
20°	6223.2	6236.3	6210.0	6157.5	6065.5	5976.1	5970.9	5984.0	5957.7	5807.9	5537.3
22.5°	6588.5	6578.0	6551.7	6483.3	6415.0	6320.4	6288.9	6278.4	6267.8	6097.0	5755.4
25°	6935.4	6966.9	6932.7	6869.7	6764.5	6662.0	6635.8	6646.3	6617.4	6391.4	5989.3
27.5°	7374.2	7387.4	7366.4	7279.6	7190.3	7045.7	6995.8	6995.8	6985.3	6667.3	6173.2
30°	7842.0	7878.8	7842.0	7771.1	7679.1	7471.5	7363.7	7353.2	7321.7	6951.1	6388.7
32.5°	8312.4	8338.7	8312.4	8244.1	8139.0	7957.7	7802.6	7779.0	7736.9	7261.2	6609.5
35°	8730.3	8754.0	8748.7	8764.5	8677.7	8449.1	8354.5	8344.0	8233.6	7666.0	6909.1
37.5°	9187.6	9216.5	9177.1	9208.6	9174.4	8958.9	8930.0	8877.5	8719.8	8047.0	7224.4
40°	9707.9	9734.2	9671.1	9684.3	9644.9	9524.0	9376.8	9305.8	9071.9	8459.6	7721.1
42.5°	10265.1	10325.5	10354.4	10330.8	10238.8	10170.5	9912.9	9823.6	9629.1	9203.3	8538.5
45°	11071.9	11161.2	11203.3	11142.8	11103.4	11006.2	10690.8	10583.1	10480.6	10251.9	9679.0
47.5°	11941.8	12023.2	12157.3	12183.5	12215.1	12141.5	11697.3	11592.2	11610.6	11584.3	11082.4
50°	12635.6	12703.9	13006.1	13329.4	13597.4	13618.4	13050.8	12937.8	13037.6	13121.7	12772.2
52.5°	13140.1	13200.6	13600.0	14267.6	14874.6	15324.0	14711.7	14582.9	14664.4	14853.6	14693.3
55°	13550.1	13634.2	14052.1	15077.0	16304.3	17013.8	16622.3	16459.3	16425.2	16659.1	16751.0
57.5°	13765.6	13791.9	14377.9	15710.3	17352.9	18672.1	18843.0	18659.0	18333.1	18461.9	18940.2
60°	13274.2	13318.8	14120.4	15873.3	18180.7	20317.3	21174.0	21021.6	20327.8	20398.7	20927.0
62.5°	11915.5	11978.5	12943.0	15098.0	18249.0	21415.8	23326.4	23229.1	22298.8	21915.1	22072.8
65°	9558.1	9579.2	10577.8	13179.6	16890.3	21552.4	24827.0	24803.3	23675.9	22777.1	22101.7
67.5°	5450.5	5413.7	6748.8	9400.5	13939.1	19775.9	24924.2	25063.5	24122.7	22635.2	20262.1
70°	2362.6	2367.9	2982.8	4638.5	9022.0	15983.7	23150.3	23389.4	22829.7	20272.6	16120.3
72.5°	1093.3	1109.0	1374.5	2007.8	3852.7	9915.5	18877.1	19092.6	18611.7	16225.4	11728.9
75°	772.6	785.8	917.2	1151.1	1771.3	3863.2	12627.7	13079.7	13313.6	12136.2	7729.0
77.5°	586.0	604.4	670.1	798.9	1093.3	1369.2	6041.8	7119.3	8480.6	7550.3	3981.5
80°	373.2	373.2	444.1	533.5	667.5	712.2	1745.0	2068.3	4149.7	3111.6	1563.7
82.5°	252.3	260.2	302.2	339.0	383.7	404.7	749.0	798.9	1198.4	1059.1	643.9
85°	134.0	139.3	157.7	155.1	184.0	160.3	315.4	312.7	438.9	480.9	244.4
87.5°	0.0	0.0	2.6	2.6	5.3	7.9	34.2	36.8	92.0	147.2	81.5
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°	4420.3	4420.3	4420.3	4420.3	4420.3	4420.3	4420.3	4420.3	4420.3	4420.3	4420.3
2.5°	4441.4	4409.8	4425.6	4420.3	4436.1	4436.1	4407.2	4399.3	4401.9	4370.4	4359.9
5°	4480.8	4444.0	4451.9	4441.4	4457.1	4470.3	4457.1	4457.1	4472.9	4449.2	4436.1
7.5°	4570.1	4528.1	4528.1	4514.9	4533.3	4543.9	4533.3	4549.1	4578.0	4554.4	4541.2
10°	4712.1	4662.1	4664.7	4649.0	4656.9	4651.6	4609.6	4596.4	4604.3	4583.3	4572.8
12.5°	4896.0	4827.7	4827.7	4796.1	4777.8	4722.6	4635.8	4604.3	4609.6	4591.2	4583.3
15°	5072.1	5009.0	4995.9	4932.8	4848.7	4746.2	4667.4	4646.4	4651.6	4633.2	4620.1
17.5°	5279.7	5198.2	5150.9	5035.3	4880.2	4775.1	4696.3	4646.4	4604.3	4562.3	4551.7
20°	5471.6	5369.1	5282.3	5103.6	4914.4	4769.9	4622.7	4499.2	4396.7	4341.5	4328.4
22.5°	5668.7	5537.3	5384.8	5150.9	4911.8	4675.3	4404.6	4218.0	4065.6	3984.1	3999.9
25°	5855.2	5689.7	5482.1	5195.6	4827.7	4465.0	4097.1	3818.5	3645.1	3582.0	3563.6
27.5°	6010.3	5805.3	5571.4	5174.6	4654.2	4162.8	3676.6	3366.5	3198.3	3127.4	3109.0
30°	6183.7	5952.5	5700.2	5077.3	4380.9	3739.7	3200.9	2948.6	2827.8	2759.4	2762.1
32.5°	6383.5	6141.7	5881.5	4890.8	4031.4	3282.4	2809.4	2635.9	2538.7	2470.3	2459.8
35°	6651.5	6412.4	6002.4	4609.6	3587.3	2861.9	2541.3	2399.4	2278.5	2189.1	2170.8
37.5°	6982.7	6819.7	6015.6	4233.8	3111.6	2572.8	2349.5	2197.0	2049.9	1931.6	1918.5
40°	7550.3	7363.7	5907.8	3763.3	2706.9	2386.2	2189.1	2013.1	1842.2	1710.8	1692.4
42.5°	8359.8	7976.1	5676.5	3232.5	2402.0	2239.1	2036.7	1813.3	1639.9	1547.9	1534.8
45°	9389.9	8659.3	5329.6	2733.1	2176.0	2094.5	1876.4	1642.5	1550.5	1484.8	1471.7
47.5°	10651.4	9455.6	4930.2	2344.2	1999.9	1963.1	1713.5	1584.7	1503.2	1448.0	1434.9
50°	12159.9	10470.1	4601.7	2039.3	1842.2	1810.7	1660.9	1550.5	1484.8	1440.2	1429.6
52.5°	13881.2	11597.5	4441.4	1821.2	1705.6	1674.1	1642.5	1542.7	1487.5	1453.3	1440.2
55°	15668.3	12785.3	4291.6	1653.0	1590.0	1608.4	1645.1	1568.9	1526.9	1482.2	1469.1
57.5°	17394.9	13899.6	3923.6	1521.6	1505.9	1576.8	1658.3	1595.2	1545.3	1500.6	1484.8
60°	18585.4	14509.3	3300.8	1416.5	1442.8	1537.4	1624.1	1555.8	1492.7	1474.3	1466.4
62.5°	18906.0	14435.8	2562.3	1308.8	1366.6	1450.7	1534.8	1490.1	1424.4	1453.3	1455.9
65°	18157.0	13647.3	1923.7	1203.6	1266.7	1337.7	1442.8	1424.4	1400.7	1479.6	1482.2
67.5°	16036.2	11710.5	1466.4	1111.7	1164.2	1250.9	1413.9	1490.1	1495.3	1595.2	1584.7
70°	12133.6	8748.7	1148.4	1024.9	1085.4	1250.9	1505.9	1540.0	1477.0	1568.9	1547.9
72.5°	8388.7	5773.8	977.6	948.7	988.1	1193.1	1503.2	1503.2	1434.9	1434.9	1395.5
75°	5211.4	3395.4	851.5	851.5	851.5	1043.3	1461.2	1385.0	1264.1	1208.9	1177.4
77.5°	2572.8	1650.4	714.8	741.1	712.2	872.5	1193.1	1132.7	1059.1	1001.3	980.3
80°	1098.5	825.2	578.2	607.1	572.9	657.0	946.1	932.9	862.0	785.8	762.1
82.5°	504.6	425.7	462.5	475.7	417.9	494.1	691.2	691.2	651.8	546.6	507.2
85°	215.5	226.0	320.6	320.6	262.8	278.6	370.6	352.2	315.4	257.5	236.5
87.5°	73.6	110.4	162.9	141.9	55.2	23.7	13.1	5.3	0.0	0.0	0.0
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)