

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: P642345

Luminaire Tested: GWS-SA6C-760-U-T2R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642345  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-760-U-T2R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

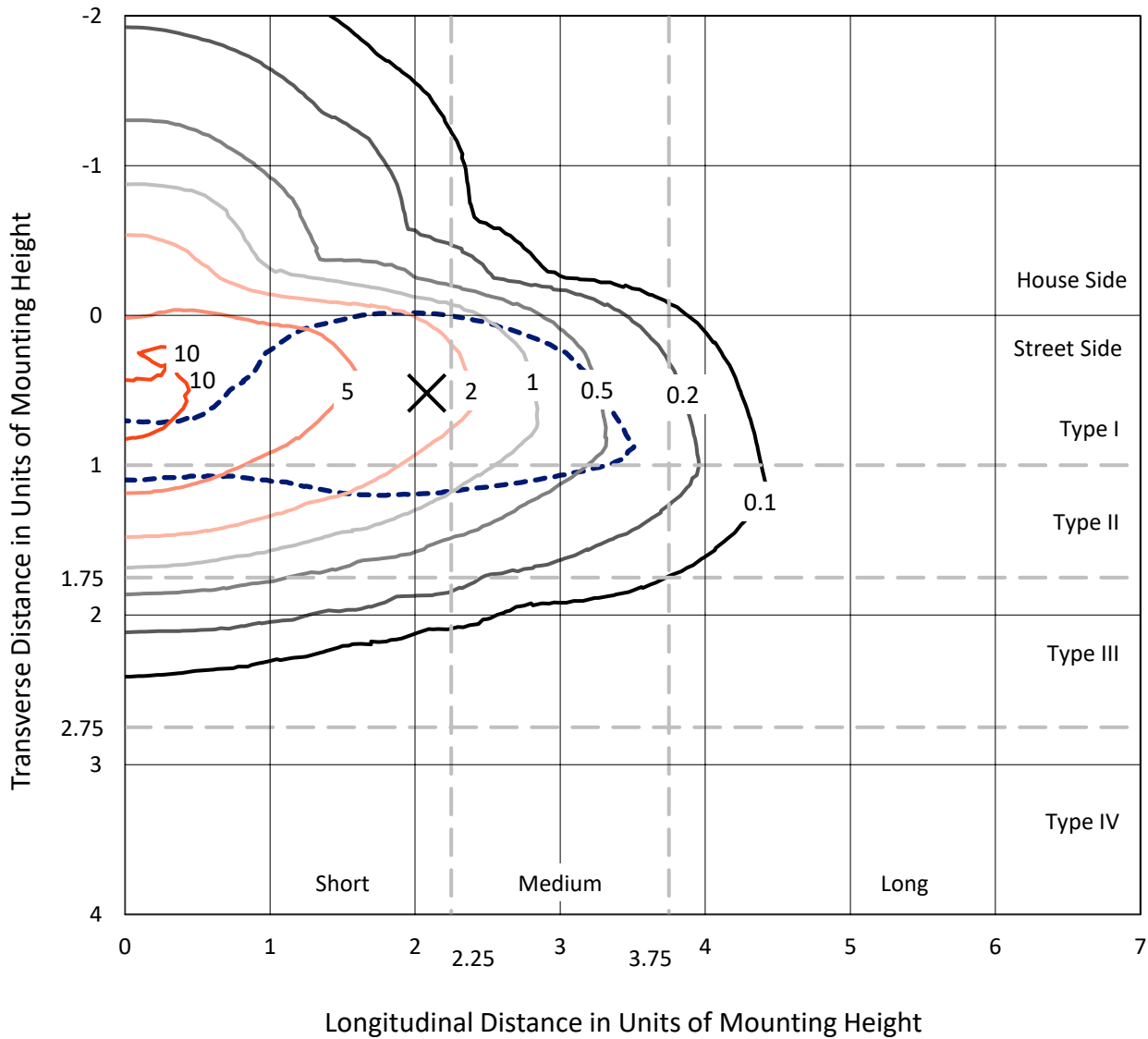
Lumens per Lamp: N/A  
Luminaire Lumens: 29211 lumens  
Efficiency: N/A  
Efficacy: 154.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

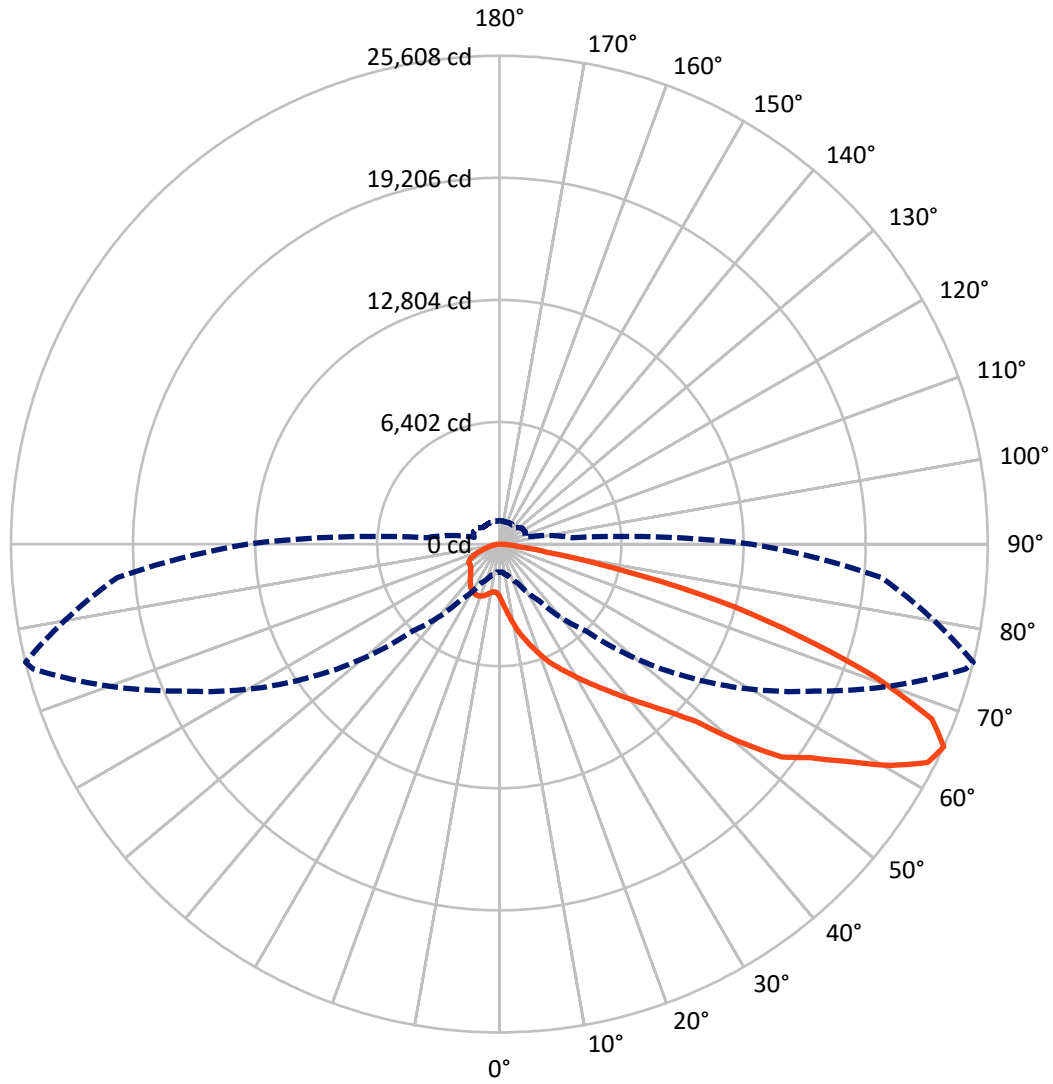
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4882.6	0.0	4882.6
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	24328.4	0.0	24328.4
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	29211.0	0.0	29211.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.6	1.1
10°-20°	1251.7	4.3
20°-30°	2439.5	8.4
30°-40°	4079.9	14.0
40°-50°	5841.6	20.0
50°-60°	6915.6	23.7
60°-70°	5750.4	19.7
70°-80°	2353.2	8.1
80°-90°	250.5	0.9
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°	29211.0	100.0
0°-180°	29211.0	100.0

**Coefficient of Utilization**



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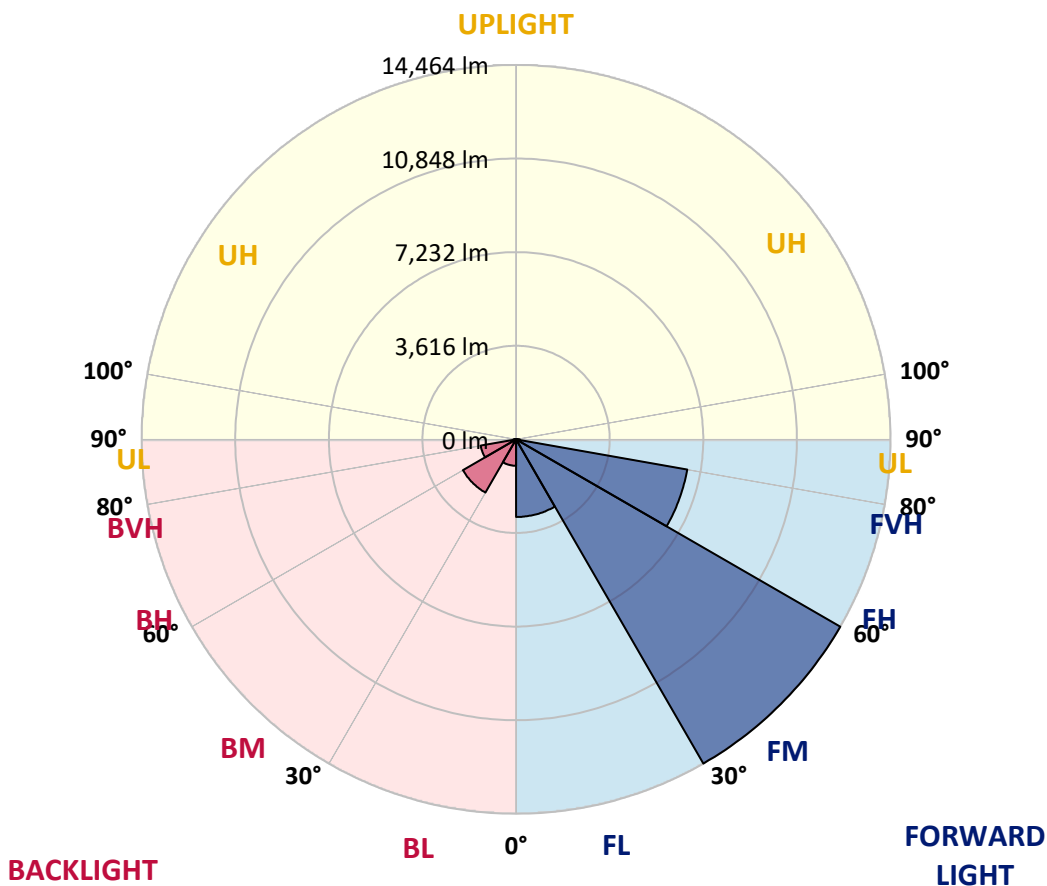
CATALOG NUMBER: GWS-SA6C-760-U-T2R-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2998.4	10.3			
FM (30°-60°)	14464.2	49.5			
FH (60°-80°)	6716.4	23.0			G3/7500
FVH (80°-90°)	149.4	0.5			G2/225
BL (0°-30°)	1021.4	3.5	B3/2500		
BM (30°-60°)	2372.9	8.1	B2/2500		
BH (60°-80°)	1387.2	4.7	B3/2500		G3/2500
BVH (80°-90°)	101.1	0.3			G2/225
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°	55°	65°	75°	76°	85°
0°	2766.2	2766.2	2766.2	2766.2	2766.2	2766.2	2766.2	2766.2	2766.2	2766.2	2766.2
2.5°	3877.2	3891.5	3844.3	3827.9	3717.0	3567.1	3441.8	3252.9	3078.3	3051.6	2895.5
5°	4924.5	4862.9	4809.5	4774.6	4620.6	4450.1	4185.2	3829.9	3458.2	3413.1	3076.3
7.5°	5546.7	5536.5	5470.7	5450.2	5331.1	5160.6	4887.5	4446.0	3905.9	3832.0	3320.6
10°	6045.7	6039.6	6006.7	6025.2	5916.4	5750.0	5485.1	5029.2	4396.7	4322.8	3593.8
12.5°	6481.1	6491.4	6485.2	6553.0	6497.5	6368.2	6093.0	5591.9	4887.5	4807.4	3926.4
15°	6799.4	6807.6	6838.4	6986.3	7017.1	6990.4	6711.1	6144.3	5372.2	5257.2	4269.4
17.5°	6889.8	6906.2	6980.1	7218.3	7384.7	7495.6	7288.2	6707.0	5848.6	5723.3	4618.5
20°	7010.9	7029.4	7103.3	7351.8	7596.2	7848.8	7811.8	7277.9	6329.1	6226.5	4971.7
22.5°	7571.6	7557.2	7524.3	7643.4	7818.0	8132.2	8224.6	7826.2	6826.1	6727.5	5361.9
25°	8651.7	8625.0	8415.6	8306.7	8249.2	8440.2	8604.5	8325.2	7310.7	7162.9	5725.4
27.5°	9842.8	9828.4	9561.5	9302.7	8949.5	8867.4	8963.9	8760.6	7781.0	7631.1	6041.6
30°	10970.2	10927.1	10647.8	10323.4	9851.0	9497.8	9356.1	9187.7	8296.5	8140.4	6411.3
32.5°	11978.5	11923.1	11594.5	11235.1	10740.2	10323.4	9900.3	9641.6	8879.7	8699.0	6789.1
35°	12806.1	12750.7	12413.9	12031.9	11487.7	11179.7	10600.6	10134.4	9473.2	9290.4	7234.8
37.5°	13446.8	13395.5	13044.3	12668.5	12194.2	11949.8	11446.7	10688.9	10157.0	9966.0	7707.1
40°	13806.2	13769.3	13487.9	13190.2	12791.8	12580.2	12354.3	11389.2	10923.0	10732.0	8263.6
42.5°	13915.1	13890.4	13693.3	13539.3	13270.2	13110.1	13239.4	12212.6	11740.3	11574.0	8890.0
45°	13641.9	13641.9	13584.4	13662.5	13674.8	13672.7	14126.6	13142.9	12744.5	12561.8	9773.0
47.5°	12943.7	12988.9	13073.1	13457.1	13861.7	14200.5	15163.6	14383.3	14036.2	13886.3	11023.6
50°	11666.4	11789.6	12077.1	12826.7	13687.1	14549.6	16145.3	16217.1	16547.8	16282.8	12863.6
52.5°	9795.6	9777.1	10510.2	11578.1	12890.3	14564.0	16685.3	17835.4	18724.6	18541.8	14231.3
55°	7785.1	7754.3	8438.2	9910.6	11668.4	14013.6	17009.8	18576.7	19932.1	19767.8	15461.4
57.5°	5961.5	5922.5	6530.4	7859.1	9943.4	12845.1	16948.2	19459.7	21593.4	21509.2	17133.0
60°	4103.1	4055.8	4624.7	5787.0	7902.2	11058.5	16266.4	19913.6	23538.1	23566.9	18921.7
62.5°	2464.3	2437.6	2850.4	3751.9	5684.3	8844.8	14670.8	19638.4	25086.5	25215.9	20071.7
65°	1486.8	1468.3	1710.6	2238.4	3606.1	6454.4	12210.6	18231.7	25310.4	25608.2	20098.4
67.5°	1082.2	1084.3	1154.1	1363.6	2102.9	4168.8	9163.1	15709.9	24144.0	24452.0	18831.3
70°	940.5	944.6	981.6	1028.8	1271.2	2386.3	5957.4	12401.6	20696.0	20934.2	15794.1
72.5°	835.8	835.8	860.5	885.1	993.9	1453.9	3191.3	8668.2	16334.2	16397.8	12054.5
75°	735.2	729.0	741.3	753.7	862.5	1016.5	1552.5	6039.6	12064.8	11916.9	7791.3
77.5°	585.3	579.1	581.2	593.5	692.1	727.0	786.5	3772.4	6799.4	6417.4	3441.8
80°	416.9	412.8	435.4	466.2	511.3	445.6	492.9	1825.6	2696.4	2509.5	1334.8
82.5°	248.5	256.7	291.6	316.3	353.2	279.3	318.3	609.9	954.9	930.3	542.1
85°	34.9	37.0	104.7	121.2	152.0	108.8	168.4	275.2	382.0	408.7	191.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	14.4	49.3	108.8	110.9	47.2
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°	2766.2	2766.2	2766.2	2766.2	2766.2	2766.2	2766.2	2766.2	2766.2	2766.2	2766.2
2.5°	2815.5	2718.9	2581.4	2466.4	2369.8	2291.8	2226.1	2176.8	2162.4	2141.9	2141.9
5°	2918.1	2743.6	2497.2	2322.6	2222.0	2162.4	2121.3	2100.8	2090.5	2078.2	2072.1
7.5°	3059.8	2815.5	2482.8	2306.2	2228.1	2191.2	2164.5	2152.2	2143.9	2131.6	2131.6
10°	3254.9	2922.2	2528.0	2363.7	2302.1	2265.1	2234.3	2213.8	2195.3	2176.8	2172.7
12.5°	3466.4	3061.9	2610.1	2441.7	2376.0	2330.8	2287.7	2256.9	2234.3	2211.7	2205.5
15°	3700.6	3205.6	2698.4	2517.7	2435.5	2373.9	2322.6	2275.4	2244.6	2211.7	2207.6
17.5°	3930.6	3351.4	2772.3	2569.0	2464.3	2388.3	2314.4	2252.8	2213.8	2176.8	2166.5
20°	4205.7	3497.2	2823.7	2583.4	2458.1	2357.5	2269.2	2191.2	2148.0	2104.9	2098.8
22.5°	4458.3	3632.8	2848.3	2562.9	2410.9	2291.8	2189.1	2104.9	2057.7	2014.6	2006.3
25°	4702.7	3751.9	2838.0	2513.6	2339.0	2201.4	2094.7	2010.5	1965.3	1920.1	1907.8
27.5°	4938.9	3832.0	2797.0	2437.6	2248.7	2100.8	1998.1	1922.2	1883.1	1844.1	1827.7
30°	5170.9	3905.9	2733.3	2339.0	2133.7	1996.1	1911.9	1858.5	1819.5	1778.4	1766.1
32.5°	5405.0	3959.3	2636.8	2224.0	2016.6	1903.7	1852.3	1813.3	1772.2	1731.2	1718.8
35°	5641.2	3981.9	2519.7	2092.6	1918.0	1844.1	1825.6	1780.5	1725.0	1675.7	1659.3
37.5°	5922.5	4002.4	2373.9	1963.2	1831.8	1815.4	1811.3	1743.5	1677.8	1610.0	1591.5
40°	6261.4	4029.1	2224.0	1846.2	1762.0	1805.1	1788.7	1696.3	1564.8	1499.1	1478.6
42.5°	6676.2	4078.4	2068.0	1739.4	1710.6	1766.1	1747.6	1581.3	1493.0	1456.0	1445.7
45°	7286.1	4259.1	1911.9	1655.2	1671.6	1710.6	1681.9	1513.5	1478.6	1453.9	1441.6
47.5°	8372.5	4536.4	1776.3	1591.5	1640.8	1661.3	1550.5	1495.0	1468.3	1435.5	1421.1
50°	9501.9	4657.5	1667.5	1552.5	1605.9	1616.2	1478.6	1470.4	1451.9	1417.0	1402.6
52.5°	10265.9	4641.1	1601.8	1538.1	1577.2	1538.1	1445.7	1443.7	1431.3	1390.3	1373.8
55°	11128.4	4669.8	1573.0	1542.2	1564.8	1406.7	1404.6	1410.8	1404.6	1359.5	1351.3
57.5°	12292.7	4758.1	1558.7	1556.6	1556.6	1343.0	1365.6	1373.8	1361.5	1341.0	1334.8
60°	13411.9	4764.3	1532.0	1573.0	1550.5	1304.0	1320.5	1328.7	1314.3	1310.2	1308.1
62.5°	13832.9	4468.6	1472.4	1560.7	1525.8	1260.9	1273.2	1277.3	1263.0	1273.2	1271.2
65°	13206.6	3840.2	1373.8	1501.2	1449.8	1221.9	1213.7	1223.9	1199.3	1226.0	1228.0
67.5°	11725.9	3051.6	1223.9	1388.2	1343.0	1178.8	1162.3	1162.3	1121.3	1162.3	1160.3
70°	9454.7	2156.3	1004.2	1207.5	1226.0	1127.4	1119.2	1072.0	1006.3	1067.9	1061.7
72.5°	7167.0	1548.4	790.6	954.9	1055.5	1055.5	1057.6	977.5	901.5	930.3	905.6
75°	4540.5	1090.5	632.5	731.1	827.6	926.2	973.4	825.5	757.8	745.4	733.1
77.5°	2045.4	716.7	492.9	560.6	587.3	731.1	889.2	710.5	618.1	591.4	583.2
80°	856.3	445.6	351.2	396.3	361.4	614.0	784.5	552.4	453.8	416.9	390.2
82.5°	375.8	264.9	223.8	213.6	225.9	455.9	585.3	367.6	283.4	384.0	388.1
85°	158.1	139.6	115.0	104.7	92.4	174.6	275.2	143.8	176.6	100.6	82.1
87.5°	37.0	41.1	30.8	20.5	12.3	2.1	0.0	0.0	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)