

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: P642319

Luminaire Tested: GWS-SA6C-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16821.4 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

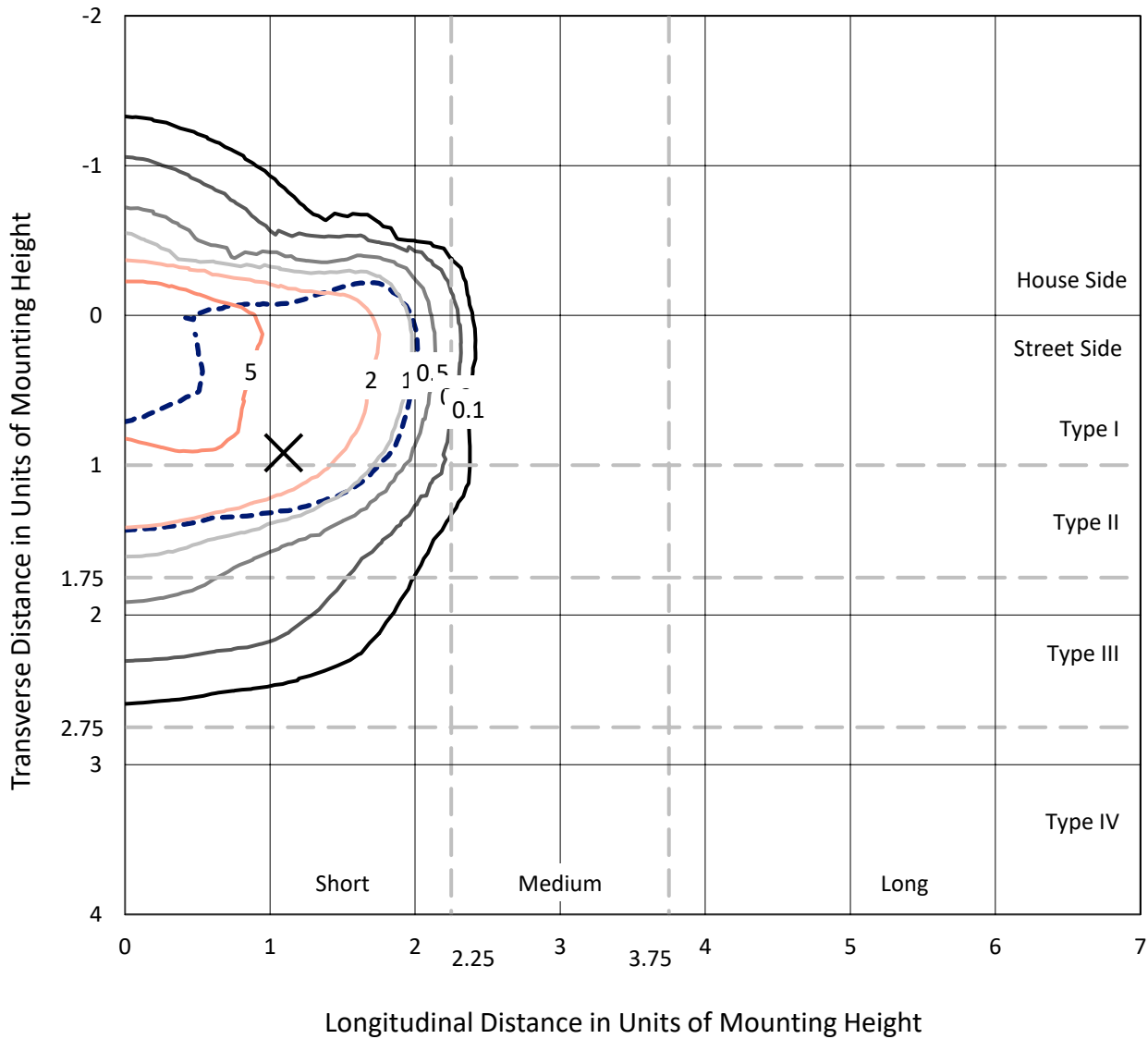
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

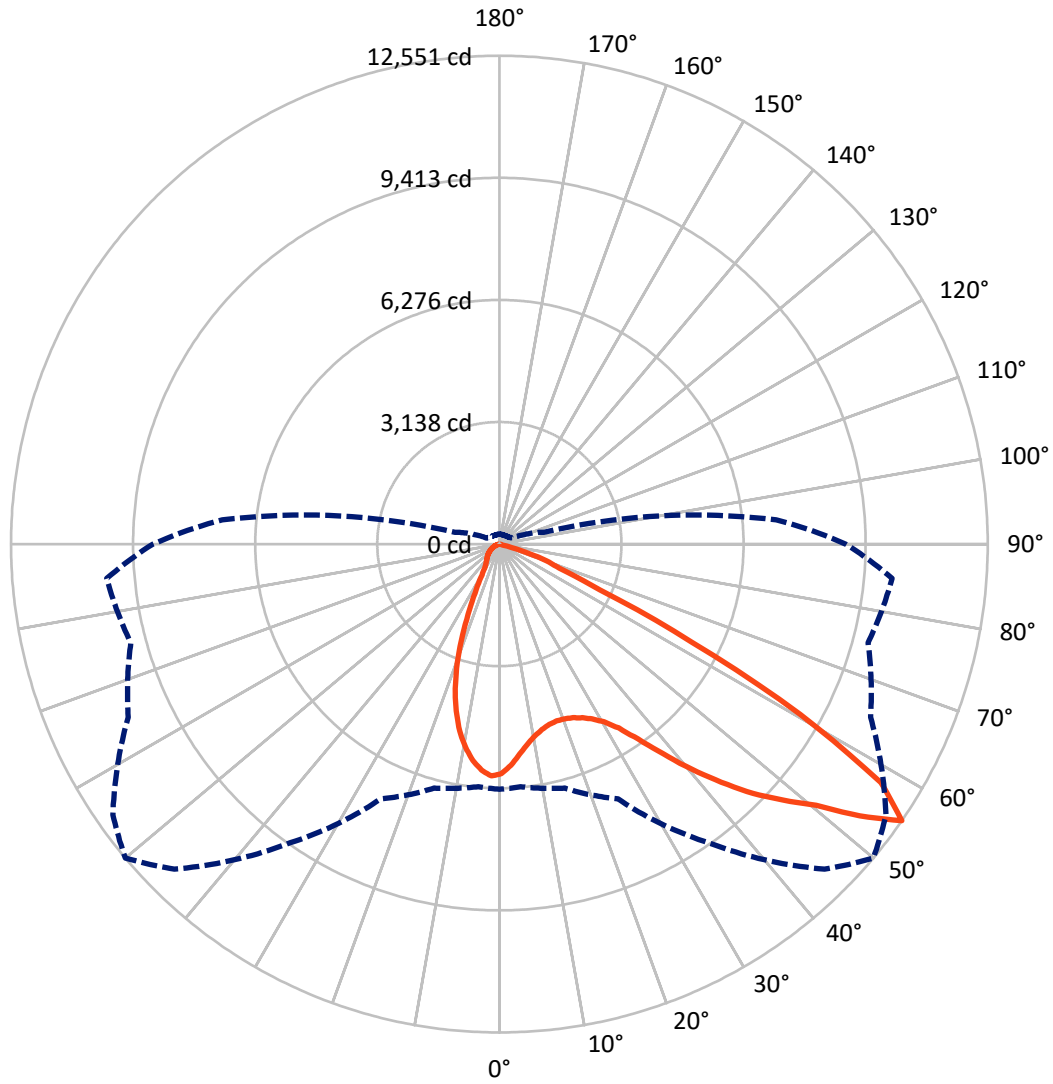
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3314.6	0.0	3314.6
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	13506.8	0.0	13506.8
	% Fixture	80.3	0.0	80.3
Total	Lumens	16821.4	0.0	16821.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.3	3.1
10°-20°	1275.5	7.6
20°-30°	1799.1	10.7
30°-40°	2662.3	15.8
40°-50°	3840.8	22.8
50°-60°	4530.6	26.9
60°-70°	2021.0	12.0
70°-80°	173.7	1.0
80°-90°	0.1	0.0
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°	16821.4	100.0
0°-180°	16821.4	100.0

Coefficient of Utilization



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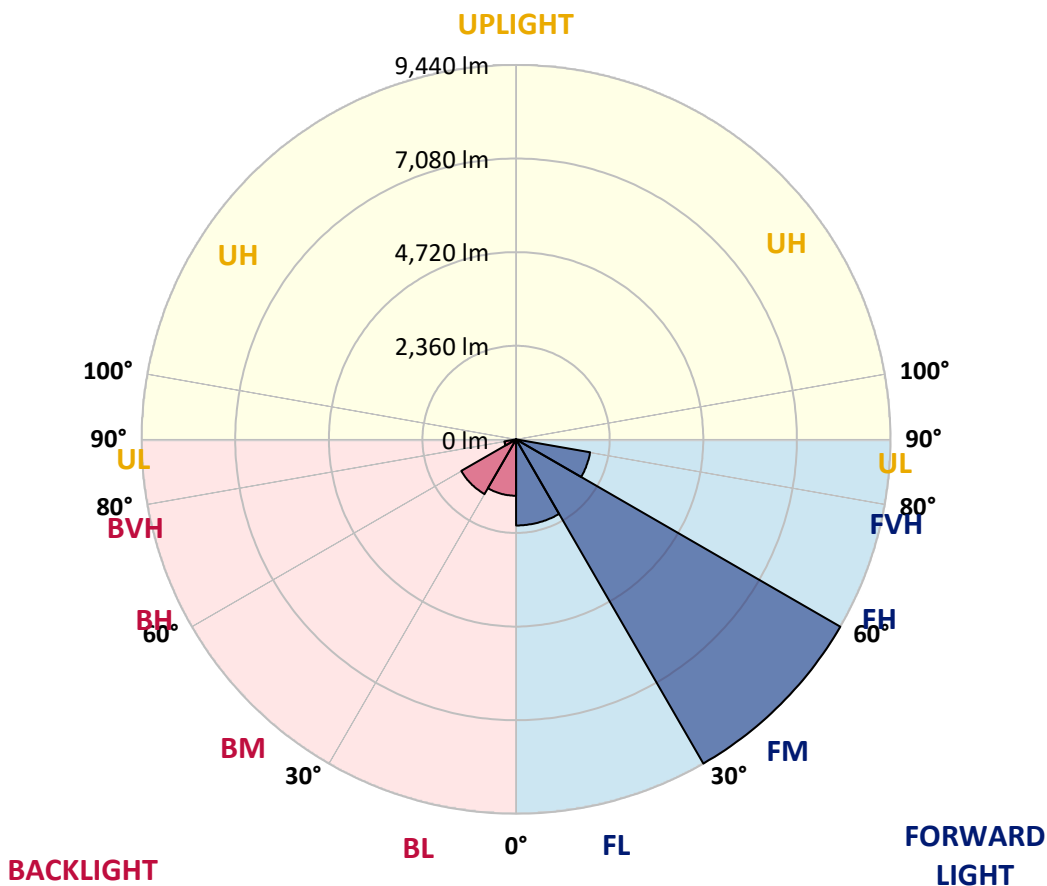
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2171.7	12.9			
FM (30°-60°)	9439.6	56.1			
FH (60°-80°)	1895.5	11.3			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1421.2	8.4	B3/2500		
BM (30°-60°)	1594.1	9.5	B2/2500		
BH (60°-80°)	299.3	1.8	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5901.9	5901.9	5901.9	5901.9	5901.9	5901.9	5901.9	5901.9	5901.9	5901.9	5901.9
2.5°	5483.0	5487.1	5489.1	5544.6	5565.1	5647.2	5690.4	5713.0	5772.5	5842.3	5899.8
5°	5115.4	5109.2	5119.5	5189.3	5234.5	5355.6	5421.4	5466.5	5598.0	5762.2	5899.8
7.5°	4795.0	4807.3	4819.7	4895.6	4963.4	5094.8	5189.3	5257.1	5439.8	5684.2	5916.3
10°	4569.1	4569.1	4587.6	4673.9	4754.0	4916.2	5010.6	5096.9	5314.6	5614.4	5934.7
12.5°	4402.8	4404.8	4427.4	4526.0	4618.4	4786.8	4885.4	4969.6	5209.8	5544.6	5938.8
15°	4324.8	4318.6	4337.1	4441.8	4544.5	4702.6	4805.3	4887.4	5135.9	5505.5	5959.4
17.5°	4304.2	4300.1	4314.5	4417.2	4521.9	4675.9	4776.5	4858.7	5125.6	5517.9	6021.0
20°	4363.8	4355.6	4349.4	4437.7	4536.3	4688.2	4793.0	4885.4	5174.9	5585.6	6115.5
22.5°	4505.5	4505.5	4491.1	4534.2	4599.9	4737.5	4846.4	4967.5	5304.3	5721.2	6255.1
25°	4766.3	4745.7	4719.0	4737.5	4729.3	4815.6	4944.9	5113.3	5548.7	5945.0	6425.5
27.5°	5064.0	5082.5	5037.3	5039.4	4967.5	4936.7	5086.6	5341.3	5912.2	6261.3	6678.1
30°	5468.6	5454.2	5456.3	5450.1	5283.8	5138.0	5300.2	5639.0	6370.1	6743.8	7006.7
32.5°	5784.8	5805.4	5873.1	5912.2	5694.5	5460.4	5632.9	6043.6	6891.7	7294.2	7409.2
35°	6119.6	6156.5	6294.1	6421.4	6238.7	5969.6	6154.5	6579.6	7382.5	7838.4	7871.2
37.5°	6472.8	6546.7	6711.0	6934.8	6906.1	6667.9	6836.2	7210.0	7768.6	8166.9	8253.2
40°	6877.3	6949.2	7218.2	7540.6	7608.4	7555.0	7610.4	7828.1	8023.2	8181.3	8417.5
42.5°	7320.9	7419.5	7760.3	8191.6	8446.2	8493.5	8364.1	8341.5	8134.1	8017.0	8382.6
45°	7844.5	7959.5	8345.6	8904.2	9308.7	9372.4	9148.5	8859.0	8203.9	7895.9	8277.8
47.5°	8431.8	8540.7	8924.7	9596.2	10197.9	10222.5	9832.4	9366.2	8411.3	8035.5	8357.9
50°	8629.0	8696.8	9029.4	9818.0	10926.9	11115.8	10551.1	9937.1	8828.2	8446.2	8748.1
52.5°	7951.3	7978.0	8267.6	9064.3	10779.0	11992.7	11600.5	10789.3	9569.5	9072.6	9349.8
55°	6300.3	6257.1	6491.2	7222.3	9368.3	11814.0	12551.3	12128.2	10524.4	9807.7	10132.2
57.5°	4406.9	4355.6	4302.2	4797.1	6990.3	10015.1	11565.6	12315.1	11434.1	10536.7	10976.2
60°	3622.4	3573.2	3314.4	3086.5	4226.2	7191.5	8883.6	10294.4	11360.2	10499.8	10949.5
62.5°	3129.6	3100.8	2996.1	2686.0	2486.8	4105.0	5563.0	6914.3	8717.3	8245.0	8269.6
65°	2458.1	2449.9	2521.8	2554.6	2199.3	2271.2	2838.0	3593.7	4712.9	4443.9	4213.9
67.5°	1679.8	1661.3	1796.9	2209.6	2115.1	1792.7	1661.3	1675.7	2039.2	1246.5	989.8
70°	1067.8	1024.7	1026.8	1369.7	1720.9	1414.9	1281.4	1127.4	1014.5	184.8	209.5
72.5°	683.8	657.1	564.7	618.1	796.8	690.0	696.2	599.6	400.4	98.6	115.0
75°	287.5	264.9	203.3	162.2	160.2	100.6	88.3	82.1	55.4	55.4	59.6
77.5°	2.1	0.0	0.0	2.1	4.1	2.1	2.1	4.1	8.2	12.3	14.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5901.9	5901.9	5901.9	5901.9	5901.9	5901.9	5901.9	5901.9	5901.9	5901.9	5901.9
2.5°	5934.7	5885.5	5940.9	5961.4	5959.4	5961.4	5901.9	5860.8	5858.8	5807.4	5782.8
5°	5957.3	5918.3	5959.4	5932.7	5869.0	5788.9	5682.2	5589.7	5548.7	5489.1	5460.4
7.5°	6000.5	5959.4	5953.2	5846.4	5688.3	5519.9	5331.0	5162.6	5072.3	4963.4	4969.6
10°	6031.3	5984.0	5903.9	5686.3	5423.4	5154.4	4873.1	4622.5	4464.4	4318.6	4294.0
12.5°	6043.6	5973.8	5786.9	5458.3	5088.7	4737.5	4324.8	3967.4	3721.0	3530.0	3503.3
15°	6066.2	5953.2	5637.0	5183.1	4675.9	4179.0	3653.3	3164.5	2838.0	2618.3	2636.7
17.5°	6101.1	5930.6	5468.6	4875.1	4232.4	3530.0	2819.5	2258.9	1959.1	1831.8	1833.8
20°	6150.4	5903.9	5283.8	4536.3	3700.5	2796.9	1971.4	1548.4	1464.2	1460.1	1453.9
22.5°	6216.1	5877.2	5086.6	4164.6	3070.0	1959.1	1312.2	1180.8	1215.7	1283.5	1295.8
25°	6294.1	5844.4	4866.9	3745.7	2382.1	1285.5	983.6	963.1	1047.3	1137.7	1158.2
27.5°	6415.3	5828.0	4616.4	3269.2	1671.6	922.0	805.0	817.3	893.3	969.3	987.8
30°	6620.6	5858.8	4343.2	2735.3	1074.0	735.2	698.2	716.7	757.8	796.8	813.2
32.5°	6899.9	5949.1	4078.3	2152.1	766.0	638.7	630.4	640.7	657.1	679.7	685.9
35°	7226.4	6105.2	3805.2	1540.2	632.5	583.2	575.0	575.0	583.2	587.3	589.4
37.5°	7495.4	6269.5	3548.5	1024.7	566.8	540.1	527.8	521.6	519.5	523.7	525.7
40°	7612.5	6337.2	3269.2	745.4	519.5	501.1	482.6	464.1	464.1	478.5	480.5
42.5°	7530.3	6261.3	2946.8	616.1	486.7	460.0	431.2	414.8	423.0	437.4	441.5
45°	7355.8	6074.4	2591.6	544.2	453.8	418.9	386.1	375.8	384.0	402.5	406.6
47.5°	7327.0	5951.2	2166.5	497.0	418.9	384.0	349.1	338.8	349.1	363.5	367.6
50°	7612.5	6058.0	1694.2	455.9	386.1	347.0	318.3	308.0	314.2	322.4	326.5
52.5°	8134.1	6454.3	1367.7	416.9	347.0	310.1	291.6	279.3	279.3	287.5	289.5
55°	8904.2	7146.3	1180.8	371.7	301.9	281.3	264.9	252.6	252.6	256.7	258.7
57.5°	9791.3	7984.2	1223.9	312.1	264.9	254.6	240.3	230.0	234.1	234.1	234.1
60°	9668.1	7922.6	1310.2	262.9	234.1	230.0	217.7	213.6	223.8	215.6	211.5
62.5°	7121.7	5472.7	685.9	215.6	201.2	197.1	188.9	197.1	211.5	188.9	180.7
65°	3458.2	2649.1	275.2	176.6	170.4	166.3	162.2	174.6	182.8	147.9	139.6
67.5°	813.2	661.2	178.7	149.9	141.7	133.5	137.6	139.6	133.5	100.6	96.5
70°	211.5	207.4	139.6	125.3	112.9	104.7	104.7	102.7	88.3	63.7	59.6
72.5°	115.0	112.9	100.6	94.5	78.0	69.8	71.9	63.7	49.3	37.0	34.9
75°	57.5	61.6	57.5	53.4	43.1	39.0	39.0	34.9	24.6	14.4	14.4
77.5°	12.3	14.4	14.4	12.3	10.3	8.2	8.2	10.3	4.1	0.0	0.0
80°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)