

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: P642185

Luminaire Tested: GWS-SA6C-735-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17564.8 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

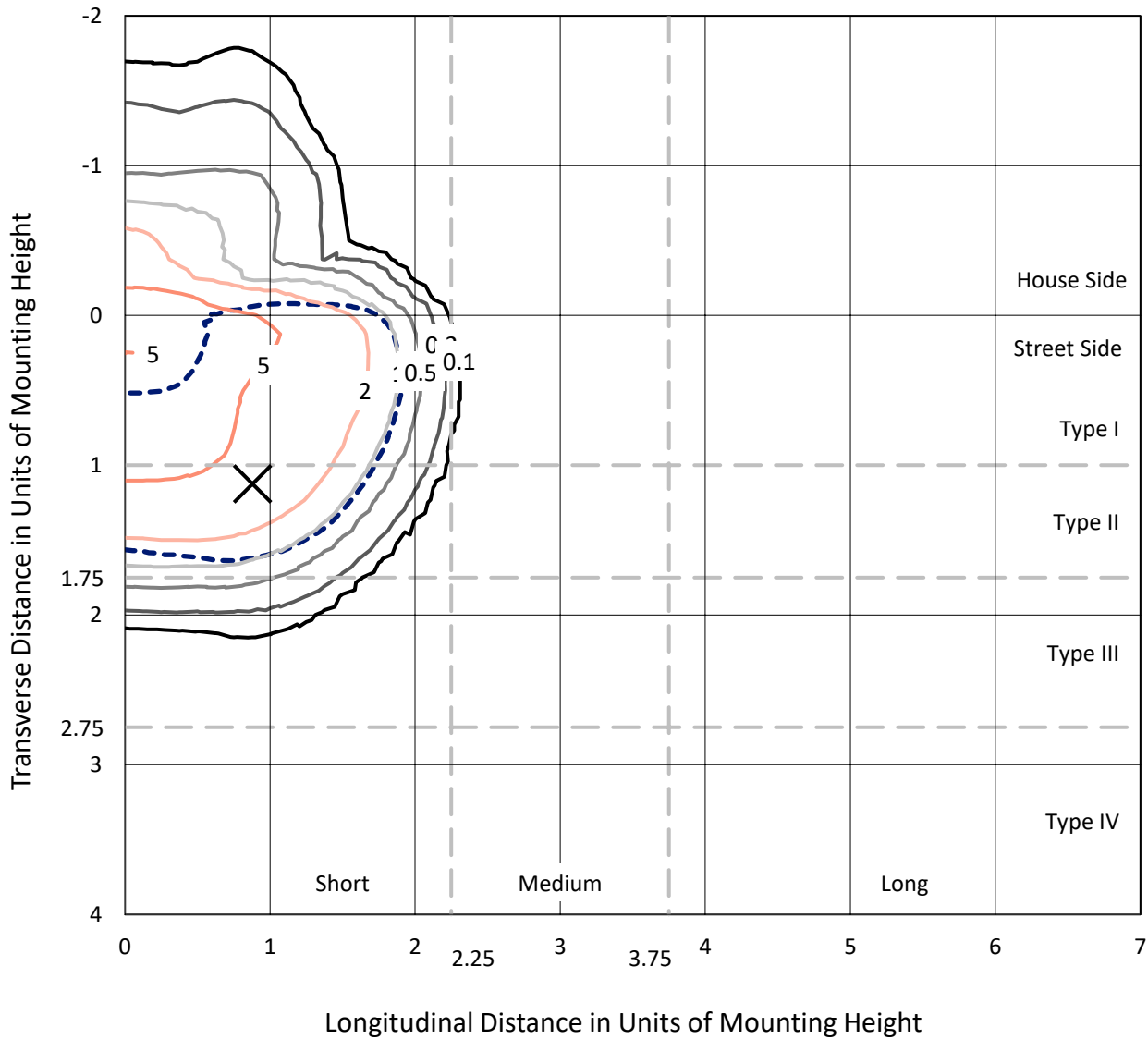
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

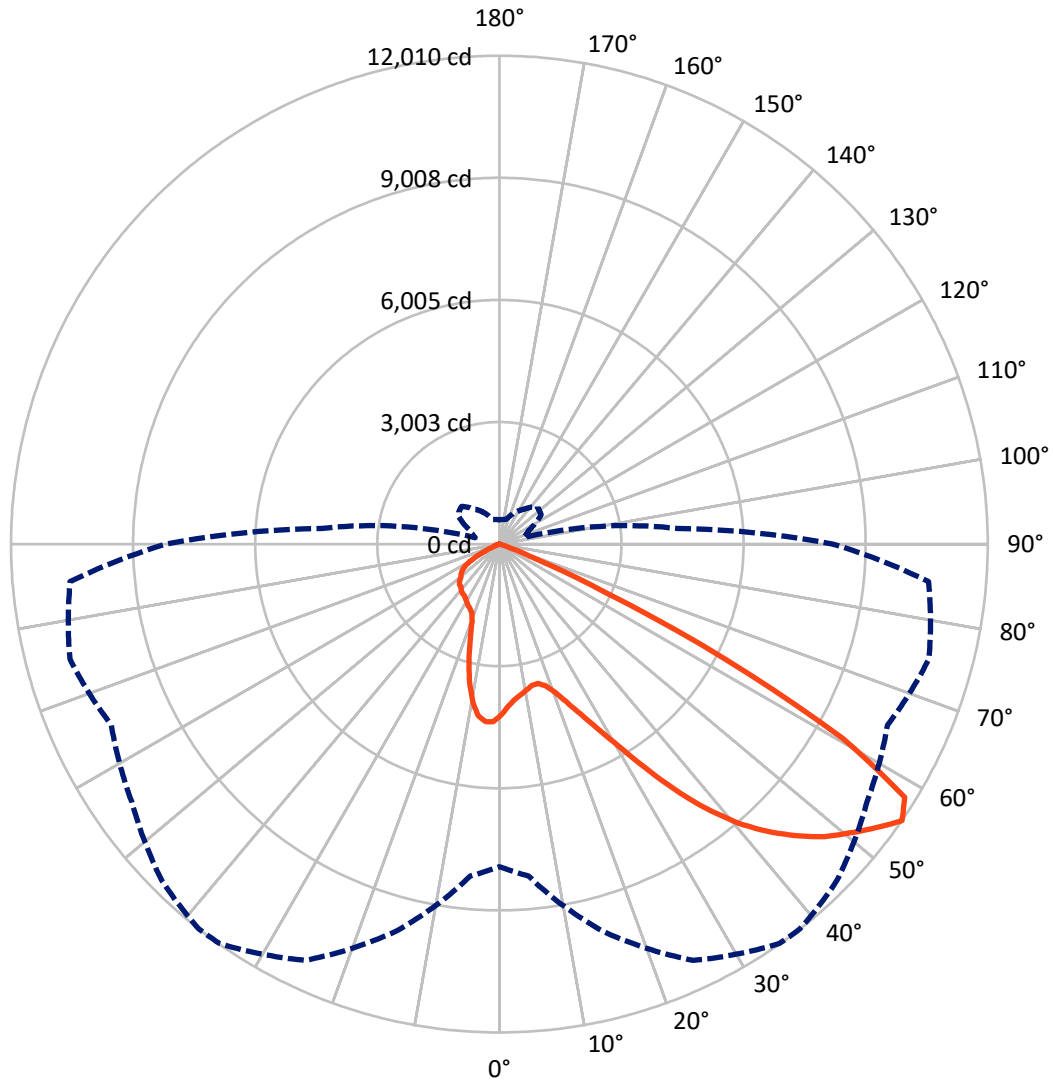
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3422.2	0.0	3422.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	14142.6	0.0	14142.6
	% Fixture	80.5	0.0	80.5
Total	Lumens	17564.8	0.0	17564.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.5	2.2
10°-20°	1048.5	6.0
20°-30°	1799.3	10.2
30°-40°	2984.3	17.0
40°-50°	4387.0	25.0
50°-60°	5126.3	29.2
60°-70°	1737.7	9.9
70°-80°	88.8	0.5
80°-90°	3.5	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°	17564.8	100.0
0°-180°	17564.8	100.0

Coefficient of Utilization



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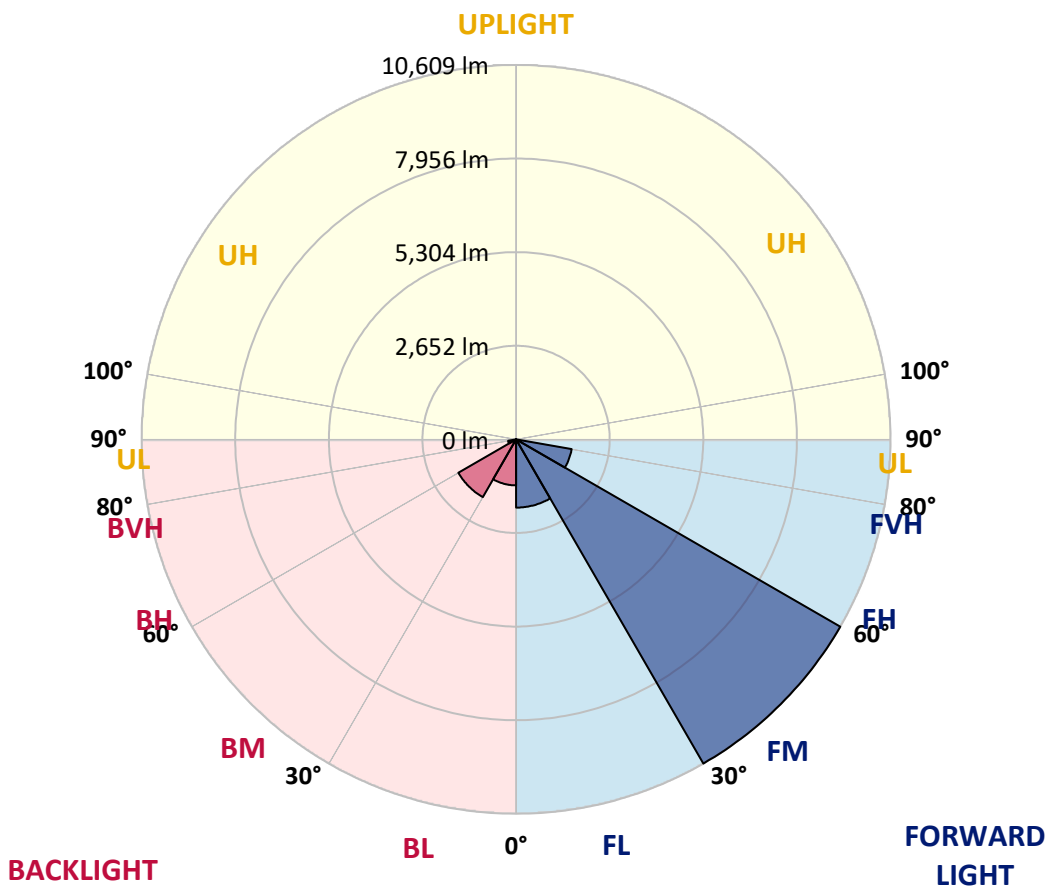
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1933.5	11.0			
FM (30°-60°)	10608.6	60.4			
FH (60°-80°)	1598.7	9.1			G1/1800
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	1303.8	7.4	B3/2500		
BM (30°-60°)	1888.9	10.8	B2/2500		
BH (60°-80°)	227.8	1.3	B1/500		G1/500
BVH (80°-90°)	1.6	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	4212.2	4212.2	4212.2	4212.2	4212.2	4212.2	4212.2	4212.2	4212.2	4212.2	4212.2
2.5°	3923.1	3915.0	3931.1	3963.2	3993.3	4003.4	4033.5	4075.6	4101.7	4164.0	4214.2
5°	3746.4	3742.4	3758.4	3786.5	3826.7	3840.7	3886.9	3957.2	4027.5	4135.9	4242.3
7.5°	3585.8	3583.8	3607.9	3670.1	3728.3	3746.4	3802.6	3888.9	3983.3	4149.9	4306.5
10°	3375.0	3377.0	3423.1	3511.5	3617.9	3654.0	3744.4	3868.9	3991.3	4206.2	4423.0
12.5°	3306.7	3310.7	3334.8	3403.1	3519.5	3565.7	3692.2	3880.9	4037.5	4286.5	4573.6
15°	3473.3	3473.3	3453.3	3461.3	3513.5	3555.7	3688.2	3921.1	4115.8	4382.8	4722.1
17.5°	3796.6	3784.5	3734.3	3666.1	3648.0	3662.1	3768.5	4007.4	4226.2	4495.3	4890.8
20°	4234.3	4238.3	4139.9	3997.3	3882.9	3880.9	3945.1	4160.0	4384.8	4629.8	5073.5
22.5°	4764.3	4748.2	4617.7	4423.0	4224.2	4208.2	4234.3	4392.9	4613.7	4842.6	5298.3
25°	5378.7	5370.6	5185.9	4924.9	4661.9	4623.8	4623.8	4780.4	4941.0	5145.8	5567.4
27.5°	6021.1	6021.1	5842.4	5541.3	5191.9	5123.7	5113.6	5298.3	5404.8	5444.9	5794.2
30°	6681.7	6673.6	6496.9	6187.8	5814.3	5744.1	5715.9	5852.5	5928.8	5808.3	6077.3
32.5°	7352.2	7366.3	7187.6	6900.5	6567.2	6521.0	6434.7	6434.7	6496.9	6328.3	6523.0
35°	8073.0	8069.0	7928.4	7733.7	7448.6	7396.4	7253.9	7031.0	7125.4	7051.1	7139.4
37.5°	8709.4	8739.6	8671.3	8526.7	8295.9	8243.7	8008.8	7605.2	7677.5	7793.9	7872.2
40°	9355.9	9380.0	9448.3	9402.1	9111.0	9014.6	8597.0	7934.5	8014.8	8414.3	8639.2
42.5°	9990.4	10002.4	10140.9	10217.2	9827.7	9659.1	9042.7	8135.2	8219.6	8900.2	9293.7
45°	10393.9	10420.0	10648.9	10881.8	10460.2	10229.3	9430.2	8392.2	8428.4	9237.5	9777.5
47.5°	10377.8	10438.1	10867.7	11291.4	11004.3	10755.3	9896.0	8803.8	8743.6	9554.7	10096.8
50°	10054.6	10126.9	10743.3	11415.8	11395.8	11164.9	10414.0	9400.1	9211.4	9835.8	10136.9
52.5°	9384.0	9592.8	10524.4	11431.9	11711.0	11594.5	11054.4	10203.2	9843.8	10239.3	10201.2
55°	7934.5	8191.5	9859.9	11295.4	11996.1	12010.1	11727.0	11040.4	10530.4	10934.0	10596.7
57.5°	6023.1	6227.9	7589.1	10054.6	11524.2	11755.1	11988.0	11482.1	10954.1	11407.8	10689.0
60°	3629.9	3866.8	4752.2	7378.3	9307.7	9701.3	10614.8	10516.4	9879.9	10074.7	8765.7
62.5°	1471.7	1596.1	2194.4	4065.6	5858.5	6225.9	7101.3	7249.8	7093.2	6894.5	5316.4
65°	538.1	588.3	879.4	1680.5	2694.3	2828.9	3290.6	3553.6	3770.5	3210.3	1977.6
67.5°	333.3	365.4	572.2	863.3	979.8	911.5	927.6	1106.2	1056.1	652.5	353.4
70°	246.9	273.0	447.7	598.3	395.5	305.2	206.8	220.8	198.8	174.7	172.7
72.5°	170.7	194.7	335.3	353.4	152.6	108.4	76.3	106.4	120.5	118.5	122.5
75°	112.4	130.5	210.8	138.5	38.1	30.1	26.1	56.2	72.3	72.3	74.3
77.5°	66.3	76.3	74.3	28.1	8.0	8.0	6.0	10.0	16.1	18.1	22.1
80°	8.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0	6.0
82.5°	2.0	2.0	2.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0
85°	0.0	0.0	2.0	2.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0
87.5°	0.0	0.0	2.0	2.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0
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°	4212.2	4212.2	4212.2	4212.2	4212.2	4212.2	4212.2	4212.2	4212.2	4212.2	4212.2
2.5°	4252.3	4238.3	4296.5	4338.7	4372.8	4388.9	4366.8	4364.8	4364.8	4320.6	4308.5
5°	4302.5	4308.5	4390.9	4427.0	4433.0	4412.9	4362.8	4328.6	4308.5	4262.4	4236.3
7.5°	4398.9	4419.0	4497.3	4491.2	4437.0	4344.7	4212.2	4109.8	4043.5	3971.2	3927.1
10°	4537.4	4575.6	4623.8	4539.4	4366.8	4131.9	3858.8	3664.1	3547.6	3465.3	3415.1
12.5°	4706.1	4744.2	4728.2	4529.4	4170.0	3750.4	3399.1	3118.0	2983.5	2909.2	2857.0
15°	4876.7	4900.8	4796.4	4408.9	3822.7	3258.5	2867.0	2587.9	2423.3	2363.1	2318.9
17.5°	5051.4	5045.4	4808.5	4172.0	3358.9	2704.4	2318.9	2128.2	2082.0	2072.0	2067.9
20°	5234.1	5179.9	4760.3	3832.7	2800.8	2156.3	1937.4	1949.5	2033.8	2074.0	2082.0
22.5°	5442.9	5306.4	4639.8	3373.0	2230.6	1796.9	1819.0	1937.4	2051.9	2106.1	2114.1
25°	5665.8	5422.8	4439.0	2782.7	1758.8	1652.3	1782.8	1919.4	2041.8	2108.1	2116.1
27.5°	5812.3	5450.9	4109.8	2188.4	1509.8	1596.1	1734.7	1865.2	1991.6	2063.9	2074.0
30°	5970.9	5438.9	3662.1	1686.5	1425.5	1547.9	1668.4	1786.9	1903.3	1983.6	1991.6
32.5°	6203.8	5430.9	3116.0	1369.3	1391.3	1509.8	1598.1	1696.5	1776.8	1823.0	1817.0
35°	6509.0	5420.8	2479.5	1234.7	1371.3	1479.7	1550.0	1596.1	1507.8	1479.7	1485.7
37.5°	6900.5	5444.9	1943.5	1178.5	1365.2	1471.7	1531.9	1399.4	1262.8	1210.6	1202.6
40°	7334.2	5507.1	1481.7	1156.4	1385.3	1491.7	1463.6	1244.8	1076.1	973.7	951.7
42.5°	7769.8	5575.4	1172.5	1148.4	1419.5	1547.9	1351.2	1132.3	879.4	821.2	813.1
45°	8093.1	5563.4	1013.9	1134.4	1449.6	1580.1	1321.1	971.7	785.0	758.9	760.9
47.5°	8255.7	5430.9	927.6	1102.2	1461.6	1547.9	1246.8	905.5	720.8	748.9	773.0
50°	8169.4	5087.5	847.3	1040.0	1435.5	1505.8	1128.3	855.3	688.6	805.1	859.3
52.5°	8065.0	4665.9	758.9	943.6	1373.3	1447.6	1082.2	841.2	668.6	777.0	817.1
55°	8203.5	4398.9	614.4	795.1	1250.8	1311.0	1046.0	839.2	622.4	604.3	598.3
57.5°	8008.8	3866.8	439.7	572.2	959.7	1038.0	1019.9	825.2	552.1	550.1	558.1
60°	6189.8	2359.1	301.2	363.4	588.3	662.5	925.6	789.0	475.8	437.7	439.7
62.5°	3517.5	1003.9	206.8	224.9	301.2	357.4	706.7	716.8	439.7	417.6	439.7
65°	1224.7	359.4	160.6	150.6	166.6	190.7	405.6	554.1	399.5	361.4	365.4
67.5°	253.0	178.7	142.5	124.5	124.5	124.5	206.8	345.3	329.3	287.1	291.1
70°	160.6	152.6	124.5	106.4	102.4	94.4	118.5	190.7	226.9	208.8	210.8
72.5°	118.5	116.4	98.4	86.3	76.3	68.3	74.3	94.4	116.4	120.5	122.5
75°	72.3	74.3	64.2	54.2	48.2	42.2	44.2	44.2	44.2	40.2	44.2
77.5°	22.1	24.1	20.1	16.1	14.1	14.1	14.1	12.0	10.0	6.0	6.0
80°	6.0	6.0	6.0	6.0	6.0	4.0	4.0	2.0	2.0	0.0	0.0
82.5°	6.0	6.0	6.0	6.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0
85°	6.0	6.0	6.0	6.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0
87.5°	6.0	6.0	6.0	6.0	4.0	4.0	2.0	2.0	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)