

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: P642295

Luminaire Tested: GWS-SA6C-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642295
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18217 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

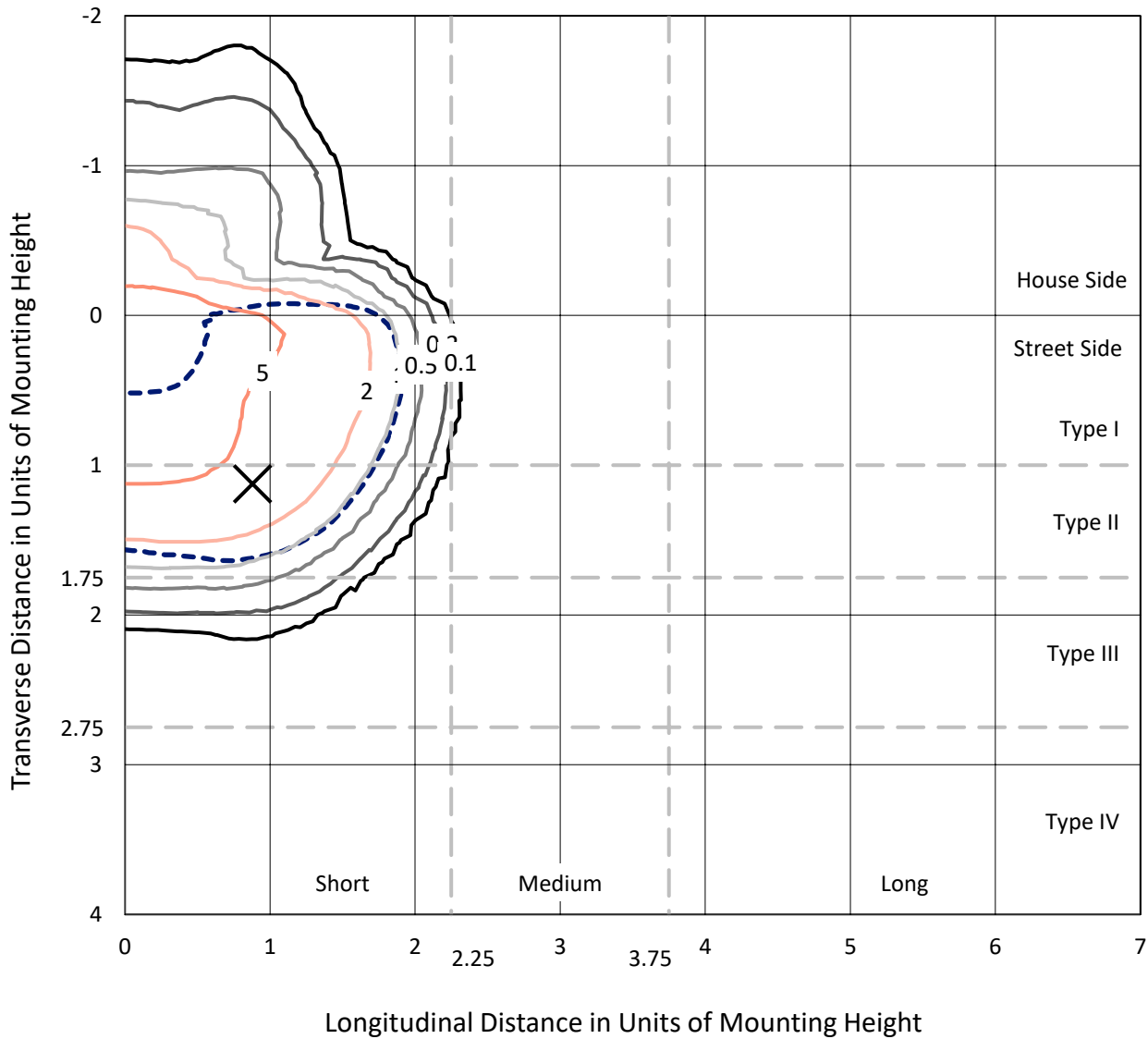
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

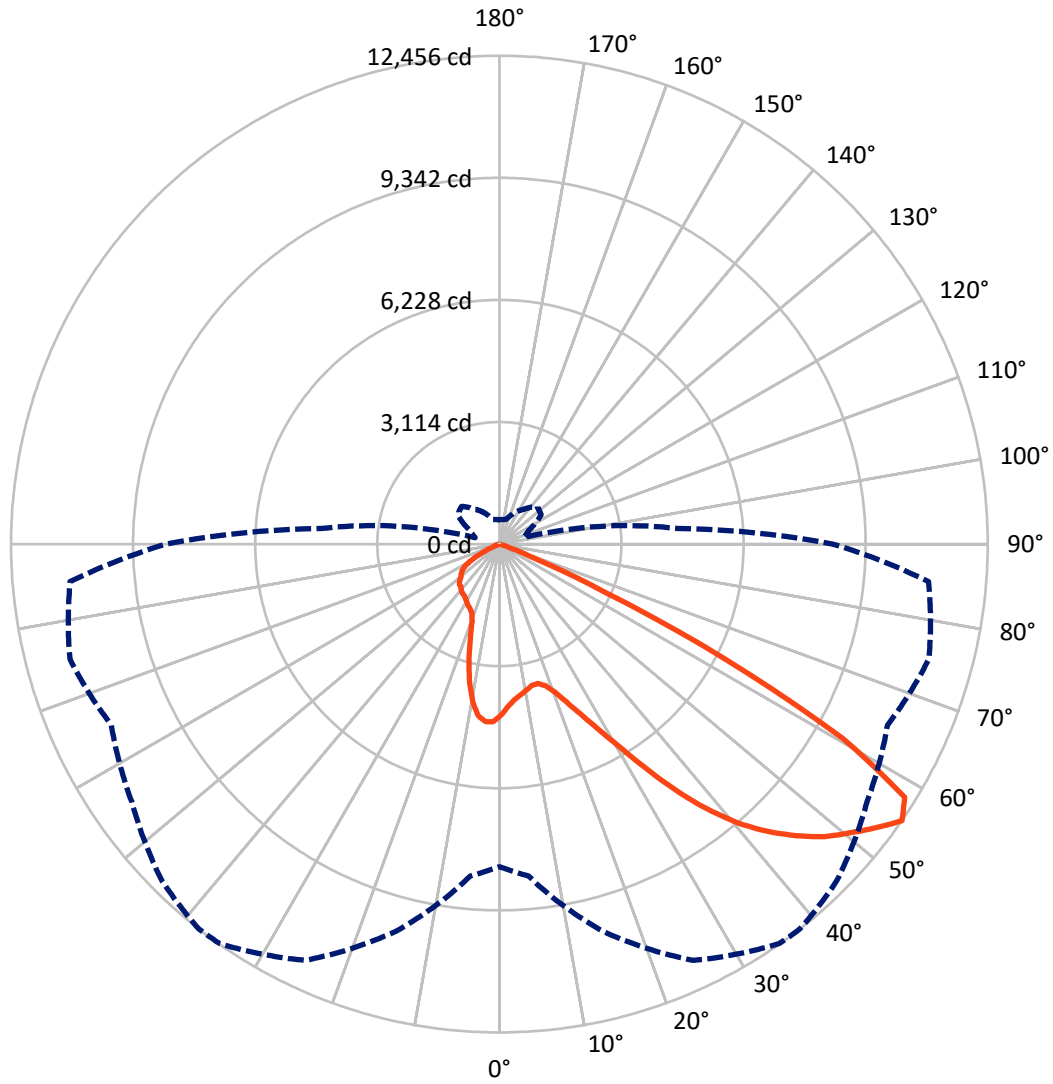
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	3549.2	0.0	3549.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	14667.8	0.0	14667.8
	% Fixture	80.5	0.0	80.5
Total	Lumens	18217.0	0.0	18217.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.9	2.2
10°-20°	1087.4	6.0
20°-30°	1866.1	10.2
30°-40°	3095.1	17.0
40°-50°	4549.9	25.0
50°-60°	5316.7	29.2
60°-70°	1802.2	9.9
70°-80°	92.1	0.5
80°-90°	3.6	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°	18217.0	100.0
0°-180°	18217.0	100.0

Coefficient of Utilization



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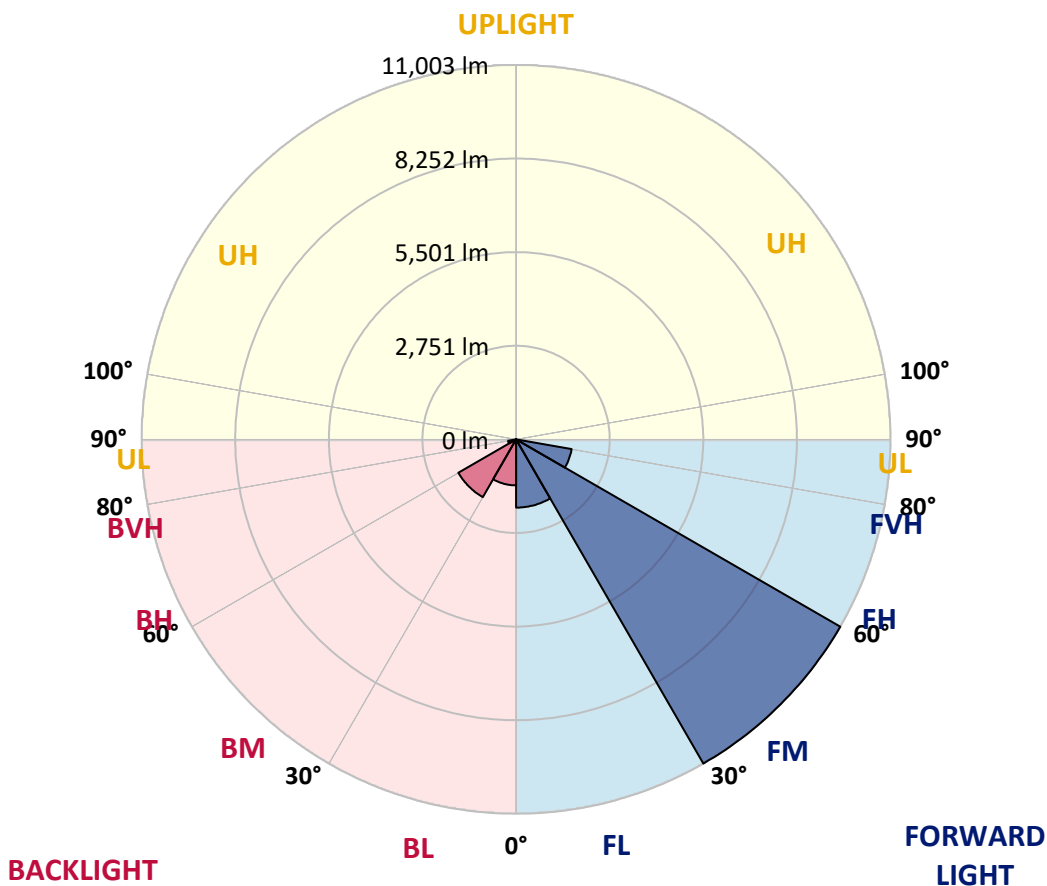
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2005.3	11.0			
FM (30°-60°)	11002.6	60.4			
FH (60°-80°)	1658.0	9.1			G1/1800
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	1352.2	7.4	B3/2500		
BM (30°-60°)	1959.0	10.8	B2/2500		
BH (60°-80°)	236.3	1.3	B1/500		G1/500
BVH (80°-90°)	1.7	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°	4368.6	4368.6	4368.6	4368.6	4368.6	4368.6	4368.6	4368.6	4368.6	4368.6	4368.6
2.5°	4068.7	4060.4	4077.1	4110.4	4141.6	4152.0	4183.3	4227.0	4254.1	4318.6	4370.7
5°	3885.5	3881.3	3898.0	3927.1	3968.8	3983.4	4031.3	4104.1	4177.0	4289.5	4399.8
7.5°	3718.9	3716.8	3741.8	3806.4	3866.8	3885.5	3943.8	4033.3	4131.2	4304.0	4466.4
10°	3500.3	3502.4	3550.2	3641.9	3752.2	3789.7	3883.4	4012.5	4139.5	4362.3	4587.2
12.5°	3429.5	3433.6	3458.6	3529.4	3650.2	3698.1	3829.3	4025.0	4187.4	4445.6	4743.4
15°	3602.3	3602.3	3581.5	3589.8	3644.0	3687.7	3825.1	4066.6	4268.6	4545.6	4897.5
17.5°	3937.5	3925.1	3873.0	3802.2	3783.5	3798.0	3908.4	4156.2	4383.2	4662.2	5072.4
20°	4391.5	4395.6	4293.6	4145.8	4027.1	4025.0	4091.6	4314.4	4547.7	4801.7	5261.9
22.5°	4941.2	4924.5	4789.2	4587.2	4381.1	4364.4	4391.5	4556.0	4785.0	5022.4	5495.1
25°	5578.4	5570.0	5378.5	5107.8	4835.0	4795.4	4795.4	4957.9	5124.4	5336.8	5774.1
27.5°	6244.7	6244.7	6059.4	5747.0	5384.7	5313.9	5303.5	5495.1	5605.4	5647.1	6009.4
30°	6929.8	6921.4	6738.2	6417.5	6030.2	5957.3	5928.2	6069.8	6148.9	6024.0	6303.0
32.5°	7625.2	7639.8	7454.5	7156.7	6811.1	6763.2	6673.6	6673.6	6738.2	6563.3	6765.3
35°	8372.8	8368.6	8222.8	8020.9	7725.2	7671.0	7523.2	7292.1	7389.9	7312.9	7404.5
37.5°	9032.8	9064.1	8993.3	8843.3	8603.9	8549.7	8306.1	7887.6	7962.6	8083.3	8164.5
40°	9703.3	9728.3	9799.1	9751.2	9449.3	9349.3	8916.2	8229.1	8312.4	8726.7	8960.0
42.5°	10361.3	10373.8	10517.5	10596.6	10192.7	10017.7	9378.5	8437.3	8524.8	9230.6	9638.8
45°	10779.8	10806.9	11044.3	11285.8	10848.6	10609.1	9780.4	8703.8	8741.3	9580.5	10140.6
47.5°	10763.2	10825.7	11271.3	11710.6	11412.9	11154.7	10263.4	9130.7	9068.2	9909.5	10471.7
50°	10427.9	10502.9	11142.2	11839.7	11818.9	11579.4	10800.7	9749.1	9553.4	10201.0	10513.3
52.5°	9732.5	9949.0	10915.2	11856.4	12145.8	12025.0	11464.9	10582.0	10209.3	10619.5	10580.0
55°	8229.1	8495.6	10226.0	11714.8	12441.5	12456.1	12162.5	11450.3	10921.4	11340.0	10990.2
57.5°	6246.8	6459.2	7870.9	10427.9	11952.2	12191.6	12433.2	11908.4	11360.8	11831.4	11085.9
60°	3764.7	4010.4	4928.7	7652.3	9653.3	10061.5	11008.9	10906.9	10246.8	10448.8	9091.1
62.5°	1526.3	1655.4	2275.9	4216.6	6076.0	6457.1	7364.9	7519.0	7356.6	7150.5	5513.8
65°	558.0	610.1	912.0	1742.8	2794.4	2933.9	3412.8	3685.6	3910.5	3329.5	2051.0
67.5°	345.7	379.0	593.4	895.4	1016.1	945.3	962.0	1147.3	1095.3	676.7	366.5
70°	256.1	283.2	464.3	620.5	410.2	316.5	214.5	229.0	206.1	181.2	179.1
72.5°	177.0	202.0	347.7	366.5	158.3	112.4	79.1	110.4	124.9	122.9	127.0
75°	116.6	135.3	218.6	143.7	39.6	31.2	27.1	58.3	75.0	75.0	77.0
77.5°	68.7	79.1	77.0	29.2	8.3	8.3	6.2	10.4	16.7	18.7	22.9
80°	8.3	6.2	4.2	4.2	4.2	4.2	4.2	4.2	6.2	6.2	6.2
82.5°	2.1	2.1	2.1	4.2	4.2	4.2	4.2	4.2	4.2	6.2	6.2
85°	0.0	0.0	2.1	2.1	4.2	4.2	4.2	4.2	4.2	6.2	6.2
87.5°	0.0	0.0	2.1	2.1	4.2	4.2	4.2	4.2	4.2	6.2	6.2
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°	4368.6	4368.6	4368.6	4368.6	4368.6	4368.6	4368.6	4368.6	4368.6	4368.6	4368.6
2.5°	4410.2	4395.6	4456.0	4499.8	4535.2	4551.8	4528.9	4526.8	4526.8	4481.0	4468.5
5°	4462.3	4468.5	4553.9	4591.4	4597.6	4576.8	4524.7	4489.3	4468.5	4420.6	4393.6
7.5°	4562.2	4583.0	4664.3	4658.0	4601.8	4506.0	4368.6	4262.4	4193.7	4118.7	4072.9
10°	4705.9	4745.5	4795.4	4708.0	4528.9	4285.3	4002.1	3800.1	3679.3	3594.0	3541.9
12.5°	4880.8	4920.4	4903.7	4697.6	4324.8	3889.7	3525.3	3233.7	3094.2	3017.2	2963.1
15°	5057.8	5082.8	4974.5	4572.6	3964.6	3379.5	2973.5	2684.0	2513.3	2450.8	2405.0
17.5°	5239.0	5232.7	4987.0	4326.9	3483.6	2804.8	2405.0	2207.2	2159.3	2148.9	2144.7
20°	5428.4	5372.2	4937.0	3975.0	2904.7	2236.3	2009.4	2021.9	2109.3	2151.0	2159.3
22.5°	5645.0	5503.4	4812.1	3498.2	2313.4	1863.6	1886.5	2009.4	2128.1	2184.3	2192.6
25°	5876.1	5624.2	4603.9	2886.0	1824.1	1713.7	1849.0	1990.6	2117.7	2186.4	2194.7
27.5°	6028.1	5653.3	4262.4	2269.7	1565.9	1655.4	1799.1	1934.4	2065.6	2140.6	2151.0
30°	6192.6	5640.8	3798.0	1749.1	1478.4	1605.4	1730.4	1853.2	1974.0	2057.3	2065.6
32.5°	6434.2	5632.5	3231.7	1420.1	1443.0	1565.9	1657.5	1759.5	1842.8	1890.7	1884.4
35°	6750.7	5622.1	2571.6	1280.6	1422.2	1534.6	1607.5	1655.4	1563.8	1534.6	1540.9
37.5°	7156.7	5647.1	2015.6	1222.3	1415.9	1526.3	1588.8	1451.3	1309.7	1255.6	1247.3
40°	7606.5	5711.6	1536.7	1199.4	1436.8	1547.1	1518.0	1291.0	1116.1	1009.9	987.0
42.5°	8058.3	5782.4	1216.0	1191.1	1472.2	1605.4	1401.4	1174.4	912.0	851.6	843.3
45°	8393.6	5769.9	1051.5	1176.5	1503.4	1638.7	1370.1	1007.8	814.2	787.1	789.2
47.5°	8562.2	5632.5	962.0	1143.2	1515.9	1605.4	1293.1	939.1	747.5	776.7	801.7
50°	8472.7	5276.4	878.7	1078.6	1488.8	1561.7	1170.2	887.0	714.2	835.0	891.2
52.5°	8364.4	4839.2	787.1	978.7	1424.3	1501.3	1122.3	872.5	693.4	805.8	847.5
55°	8508.1	4562.2	637.2	824.6	1297.2	1359.7	1084.9	870.4	645.5	626.8	620.5
57.5°	8306.1	4010.4	456.0	593.4	995.3	1076.5	1057.8	855.8	572.6	570.5	578.9
60°	6419.6	2446.7	312.3	376.9	610.1	687.1	959.9	818.3	493.5	453.9	456.0
62.5°	3648.1	1041.1	214.5	233.2	312.3	370.6	733.0	743.4	456.0	433.1	456.0
65°	1270.2	372.7	166.6	156.2	172.8	197.8	420.6	574.7	414.4	374.8	379.0
67.5°	262.4	185.3	147.8	129.1	129.1	129.1	214.5	358.1	341.5	297.8	301.9
70°	166.6	158.3	129.1	110.4	106.2	97.9	122.9	197.8	235.3	216.6	218.6
72.5°	122.9	120.8	102.0	89.5	79.1	70.8	77.0	97.9	120.8	124.9	127.0
75°	75.0	77.0	66.6	56.2	50.0	43.7	45.8	45.8	45.8	41.6	45.8
77.5°	22.9	25.0	20.8	16.7	14.6	14.6	14.6	12.5	10.4	6.2	6.2
80°	6.2	6.2	6.2	6.2	6.2	4.2	4.2	2.1	2.1	0.0	0.0
82.5°	6.2	6.2	6.2	6.2	4.2	4.2	2.1	2.1	0.0	0.0	0.0
85°	6.2	6.2	6.2	6.2	4.2	4.2	2.1	2.1	0.0	0.0	0.0
87.5°	6.2	6.2	6.2	6.2	4.2	4.2	2.1	2.1	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)