

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: P642845

Luminaire Tested: GWS-SA6D-760-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642845
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-SA6D-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22666.9 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

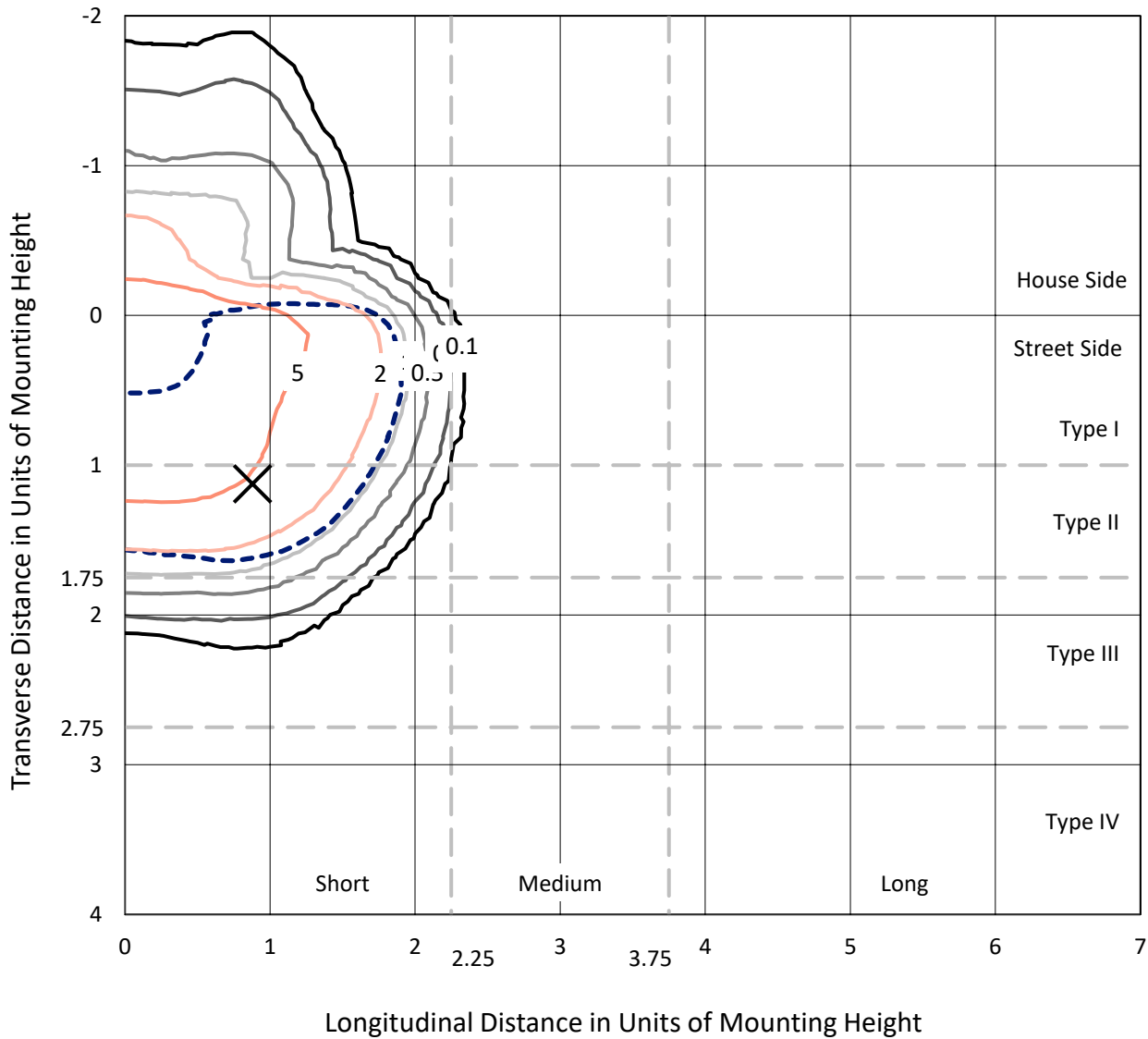
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

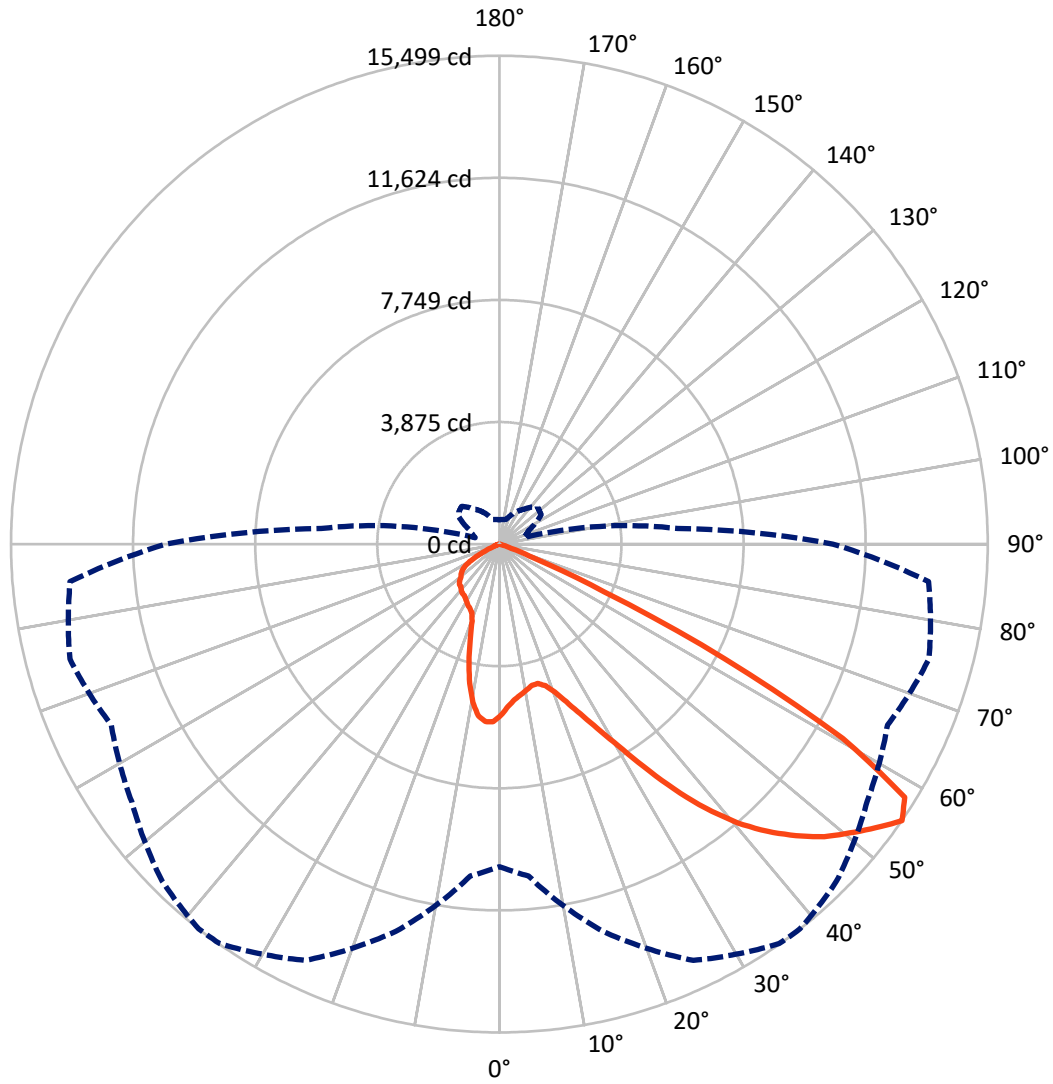
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	4416.2	0.0	4416.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	18250.7	0.0	18250.7
	% Fixture	80.5	0.0	80.5
Total	Lumens	22666.9	0.0	22666.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.6	2.2
10°-20°	1353.1	6.0
20°-30°	2321.9	10.2
30°-40°	3851.1	17.0
40°-50°	5661.3	25.0
50°-60°	6615.4	29.2
60°-70°	2242.4	9.9
70°-80°	114.7	0.5
80°-90°	4.5	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°	22666.9	100.0
0°-180°	22666.9	100.0

Coefficient of Utilization

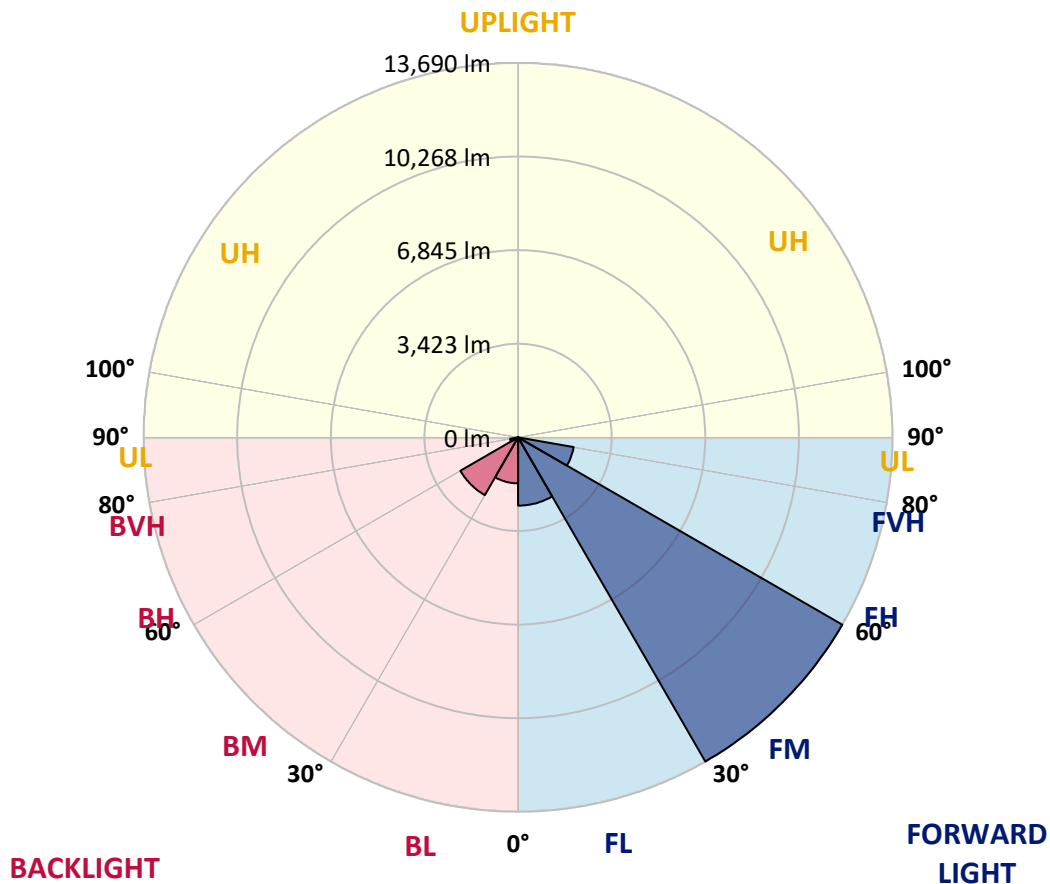


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2495.1	11.0			
FM (30°-60°)	13690.2	60.4			
FH (60°-80°)	2063.0	9.1			G2/5000
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	1682.5	7.4	B3/2500		
BM (30°-60°)	2437.6	10.8	B2/2500		
BH (60°-80°)	294.0	1.3	B1/500		G1/500
BVH (80°-90°)	2.1	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°	38°	45°	55°	65°	75°	85°
0°	5435.7	5435.7	5435.7	5435.7	5435.7	5435.7	5435.7	5435.7	5435.7	5435.7	5435.7
2.5°	5062.6	5052.2	5073.0	5114.4	5153.3	5166.2	5205.1	5259.5	5293.2	5373.5	5438.3
5°	4834.6	4829.4	4850.2	4886.4	4938.2	4956.4	5016.0	5106.7	5197.3	5337.2	5474.6
7.5°	4627.3	4624.7	4655.8	4736.2	4811.3	4834.6	4907.2	5018.6	5140.3	5355.4	5557.5
10°	4355.3	4357.9	4417.5	4531.5	4668.8	4715.4	4832.0	4992.7	5150.7	5427.9	5707.7
12.5°	4267.2	4272.4	4303.5	4391.6	4541.8	4601.4	4764.7	5008.2	5210.3	5531.6	5902.1
15°	4482.2	4482.2	4456.3	4466.7	4534.1	4588.5	4759.5	5060.0	5311.3	5655.9	6093.8
17.5°	4899.4	4883.8	4819.1	4731.0	4707.7	4725.8	4863.1	5171.4	5453.8	5801.0	6311.4
20°	5464.2	5469.4	5342.4	5158.5	5010.8	5008.2	5091.1	5368.3	5658.5	5974.6	6547.2
22.5°	6148.2	6127.5	5959.1	5707.7	5451.2	5430.5	5464.2	5668.9	5953.9	6249.2	6837.4
25°	6941.0	6930.6	6692.3	6355.5	6016.1	5966.8	5966.8	6168.9	6376.2	6640.5	7184.5
27.5°	7770.1	7770.1	7539.5	7150.9	6700.1	6612.0	6599.0	6837.4	6974.7	7026.5	7477.3
30°	8622.5	8612.1	8384.1	7985.1	7503.2	7412.5	7376.3	7552.5	7650.9	7495.5	7842.6
32.5°	9487.9	9506.0	9275.4	8904.9	8474.8	8415.2	8303.8	8303.8	8384.1	8166.5	8417.8
35°	10418.0	10412.8	10231.4	9980.1	9612.2	9544.9	9360.9	9073.3	9195.1	9099.2	9213.2
37.5°	11239.3	11278.2	11190.1	11003.5	10705.6	10638.2	10335.1	9814.3	9907.6	10057.9	10158.9
40°	12073.6	12104.7	12192.7	12133.2	11757.5	11633.1	11094.2	10239.2	10342.8	10858.4	11148.6
42.5°	12892.3	12907.8	13086.6	13185.1	12682.4	12464.8	11669.4	10498.3	10607.1	11485.4	11993.2
45°	13413.1	13446.7	13742.1	14042.6	13498.6	13200.6	12169.4	10829.9	10876.6	11920.7	12617.7
47.5°	13392.3	13470.1	14024.5	14571.2	14200.7	13879.4	12770.5	11361.1	11283.3	12330.1	13029.6
50°	12975.2	13068.5	13863.9	14731.8	14705.9	14408.0	13439.0	12130.6	11887.0	12692.8	13081.4
52.5°	12109.8	12379.3	13581.5	14752.6	15112.7	14962.4	14265.5	13166.9	12703.2	13213.6	13164.3
55°	10239.2	10570.8	12723.9	14576.4	15480.6	15498.7	15133.4	14247.3	13589.2	14110.0	13674.7
57.5°	7772.7	8037.0	9793.6	12975.2	14871.7	15169.7	15470.2	14817.3	14135.9	14721.5	13793.9
60°	4684.3	4990.1	6132.6	9521.5	12011.4	12519.2	13698.1	13571.1	12749.8	13001.1	11311.8
62.5°	1899.1	2059.8	2831.8	5246.6	7560.2	8034.4	9164.0	9355.7	9153.6	8897.1	6860.7
65°	694.4	759.1	1134.8	2168.6	3477.0	3650.6	4246.5	4585.9	4865.7	4142.8	2552.0
67.5°	430.1	471.5	738.4	1114.1	1264.4	1176.3	1197.0	1427.6	1362.8	842.0	456.0
70°	318.7	352.4	577.8	772.1	510.4	393.8	266.9	285.0	256.5	225.4	222.8
72.5°	220.2	251.3	432.7	456.0	196.9	139.9	98.5	137.3	155.5	152.9	158.0
75°	145.1	168.4	272.0	178.8	49.2	38.9	33.7	72.5	93.3	93.3	95.9
77.5°	85.5	98.5	95.9	36.3	10.4	10.4	7.8	13.0	20.7	23.3	28.5
80°	10.4	7.8	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8	7.8
82.5°	2.6	2.6	2.6	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8
85°	0.0	0.0	2.6	2.6	5.2	5.2	5.2	5.2	5.2	7.8	7.8
87.5°	0.0	0.0	2.6	2.6	5.2	5.2	5.2	5.2	5.2	7.8	7.8
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°	5435.7	5435.7	5435.7	5435.7	5435.7	5435.7	5435.7	5435.7	5435.7	5435.7	5435.7
2.5°	5487.5	5469.4	5544.5	5598.9	5643.0	5663.7	5635.2	5632.6	5632.6	5575.6	5560.1
5°	5552.3	5560.1	5666.3	5712.9	5720.7	5694.8	5630.0	5586.0	5560.1	5500.5	5466.8
7.5°	5676.6	5702.6	5803.6	5795.8	5725.9	5606.7	5435.7	5303.6	5218.1	5124.8	5067.8
10°	5855.4	5904.6	5966.8	5858.0	5635.2	5332.1	4979.7	4728.4	4578.1	4471.9	4407.1
12.5°	6073.1	6122.3	6101.6	5845.1	5381.3	4839.8	4386.4	4023.7	3850.1	3754.2	3686.8
15°	6293.3	6324.4	6189.6	5689.6	4933.1	4205.0	3699.8	3339.7	3127.2	3049.5	2992.5
17.5°	6518.7	6510.9	6205.2	5383.9	4334.6	3489.9	2992.5	2746.3	2686.8	2673.8	2668.6
20°	6754.5	6684.5	6143.0	4946.0	3614.3	2782.6	2500.2	2515.8	2624.6	2676.4	2686.8
22.5°	7023.9	6847.7	5987.6	4352.7	2878.5	2318.9	2347.4	2500.2	2647.9	2717.8	2728.2
25°	7311.5	6998.0	5728.5	3591.0	2269.6	2132.3	2300.7	2476.9	2634.9	2720.4	2730.8
27.5°	7500.6	7034.3	5303.6	2824.1	1948.4	2059.8	2238.5	2406.9	2570.2	2663.4	2676.4
30°	7705.3	7018.7	4725.8	2176.4	1839.5	1997.6	2153.0	2305.9	2456.2	2559.8	2570.2
32.5°	8005.9	7008.4	4021.1	1767.0	1795.5	1948.4	2062.4	2189.3	2292.9	2352.5	2344.8
35°	8399.7	6995.4	3199.8	1593.4	1769.6	1909.5	2000.2	2059.8	1945.8	1909.5	1917.3
37.5°	8904.9	7026.5	2508.0	1520.9	1761.8	1899.1	1976.9	1805.9	1629.7	1562.3	1551.9
40°	9464.5	7106.8	1912.1	1492.4	1787.7	1925.0	1888.8	1606.4	1388.7	1256.6	1228.1
42.5°	10026.8	7194.9	1513.1	1482.0	1831.8	1997.6	1743.7	1461.3	1134.8	1059.7	1049.3
45°	10443.9	7179.4	1308.4	1463.9	1870.6	2039.0	1704.8	1254.0	1013.0	979.4	981.9
47.5°	10653.8	7008.4	1197.0	1422.4	1886.2	1997.6	1608.9	1168.5	930.1	966.4	997.5
50°	10542.3	6565.3	1093.4	1342.1	1852.5	1943.2	1456.1	1103.7	888.7	1038.9	1108.9
52.5°	10407.6	6021.2	979.4	1217.7	1772.2	1868.0	1396.5	1085.6	862.8	1002.7	1054.5
55°	10586.4	5676.6	792.8	1026.0	1614.1	1691.9	1349.9	1083.0	803.2	779.9	772.1
57.5°	10335.1	4990.1	567.4	738.4	1238.4	1339.5	1316.2	1064.9	712.5	709.9	720.3
60°	7987.7	3044.3	388.6	469.0	759.1	855.0	1194.4	1018.2	614.0	564.8	567.4
62.5°	4539.2	1295.4	266.9	290.2	388.6	461.2	912.0	924.9	567.4	538.9	567.4
65°	1580.4	463.8	207.3	194.3	215.0	246.1	523.4	715.1	515.6	466.4	471.5
67.5°	326.5	230.6	184.0	160.6	160.6	160.6	266.9	445.6	424.9	370.5	375.7
70°	207.3	196.9	160.6	137.3	132.1	121.8	152.9	246.1	292.8	269.5	272.0
72.5°	152.9	150.3	127.0	111.4	98.5	88.1	95.9	121.8	150.3	155.5	158.0
75°	93.3	95.9	82.9	70.0	62.2	54.4	57.0	57.0	57.0	51.8	57.0
77.5°	28.5	31.1	25.9	20.7	18.1	18.1	18.1	15.5	13.0	7.8	7.8
80°	7.8	7.8	7.8	7.8	7.8	5.2	5.2	2.6	2.6	0.0	0.0
82.5°	7.8	7.8	7.8	7.8	5.2	5.2	2.6	2.6	0.0	0.0	0.0
85°	7.8	7.8	7.8	7.8	5.2	5.2	2.6	2.6	0.0	0.0	0.0
87.5°	7.8	7.8	7.8	7.8	5.2	5.2	2.6	2.6	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)