

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: P641847

Luminaire Tested: GWS-SA6B-760-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 14319.2 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

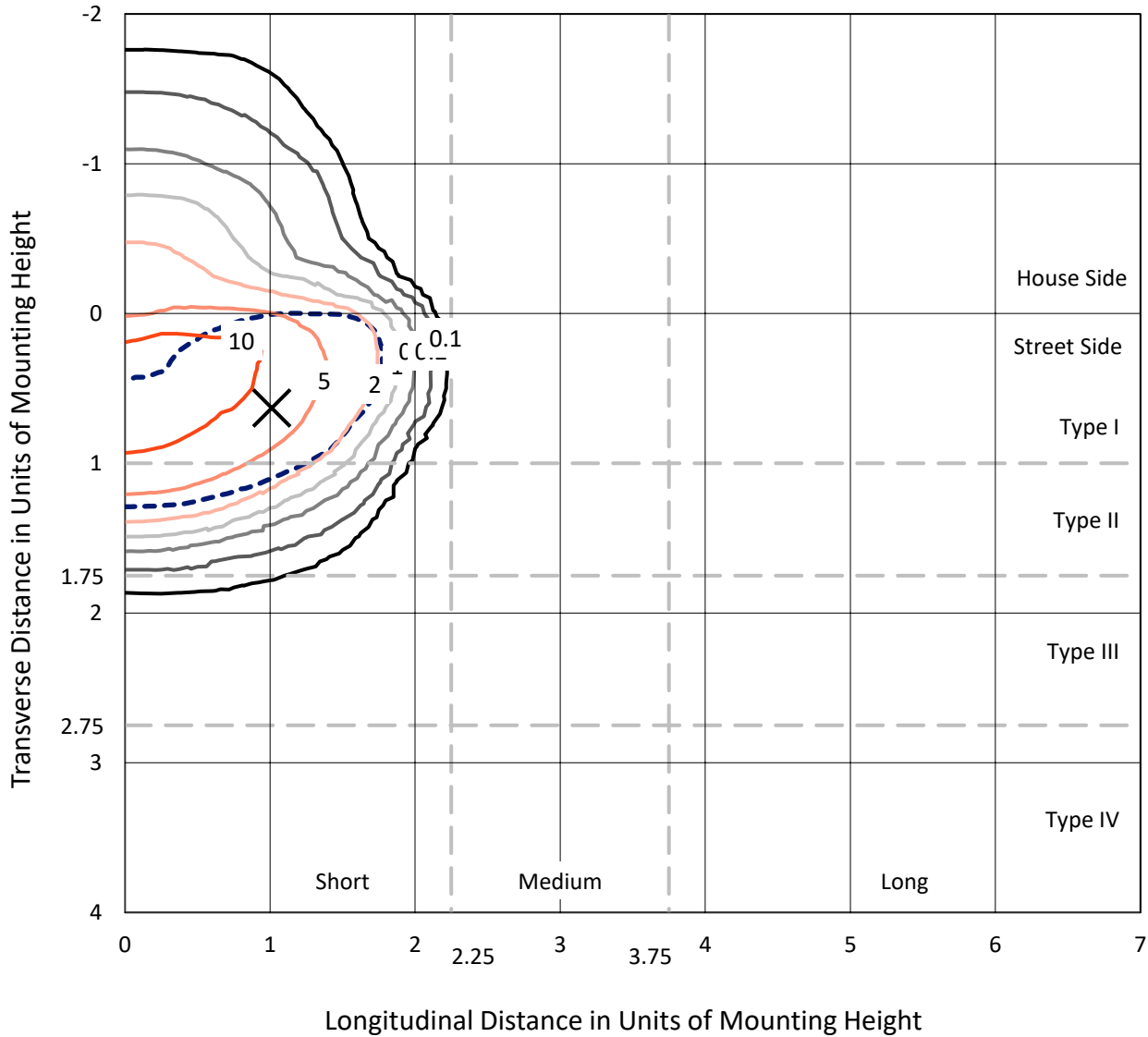
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

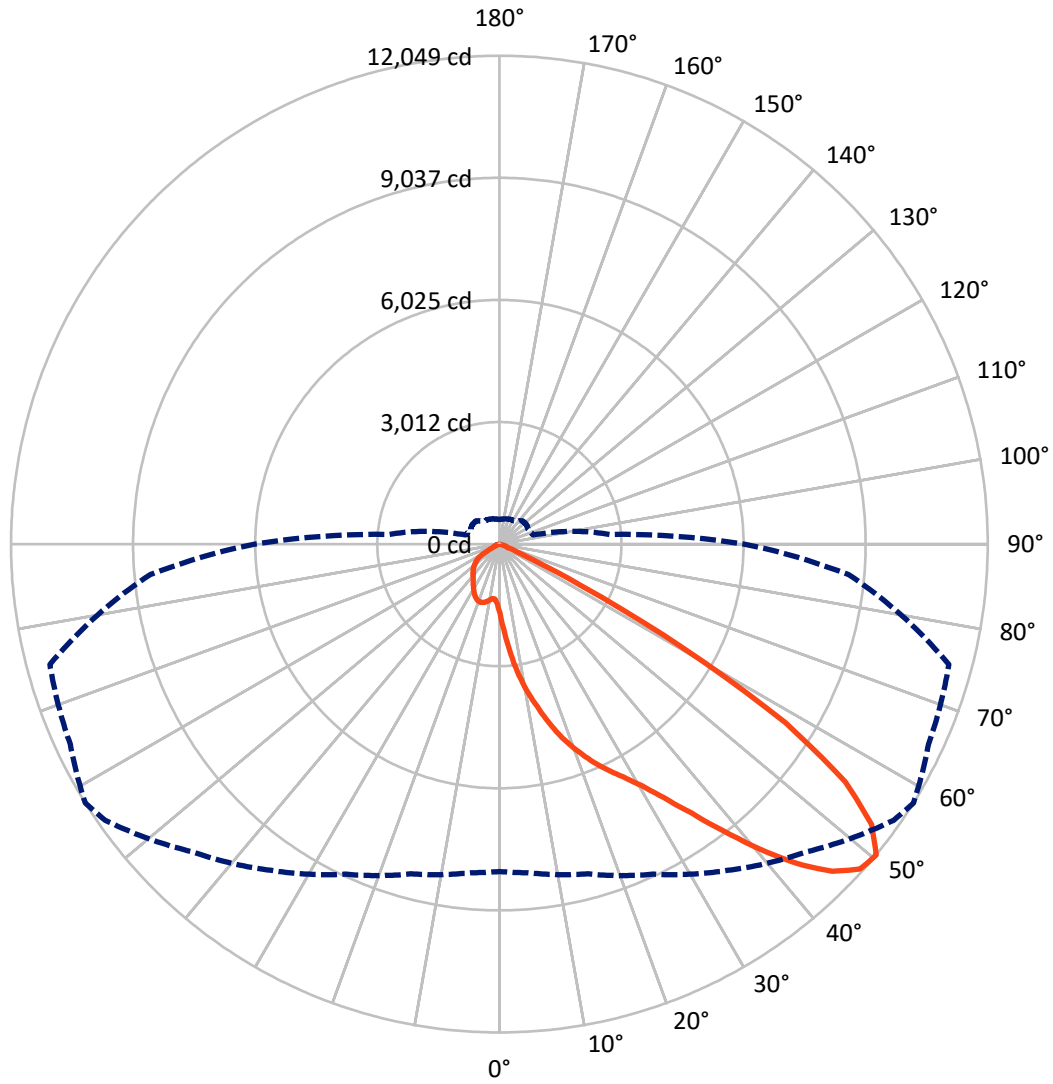
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2005.6	0.0	2005.6
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	12313.6	0.0	12313.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	14319.2	0.0	14319.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.9	1.5
10°-20°	838.8	5.9
20°-30°	1697.4	11.9
30°-40°	3002.9	21.0
40°-50°	4377.5	30.6
50°-60°	3508.7	24.5
60°-70°	632.1	4.4
70°-80°	49.8	0.3
80°-90°	0.0	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°	14319.2	100.0
0°-180°	14319.2	100.0

Coefficient of Utilization



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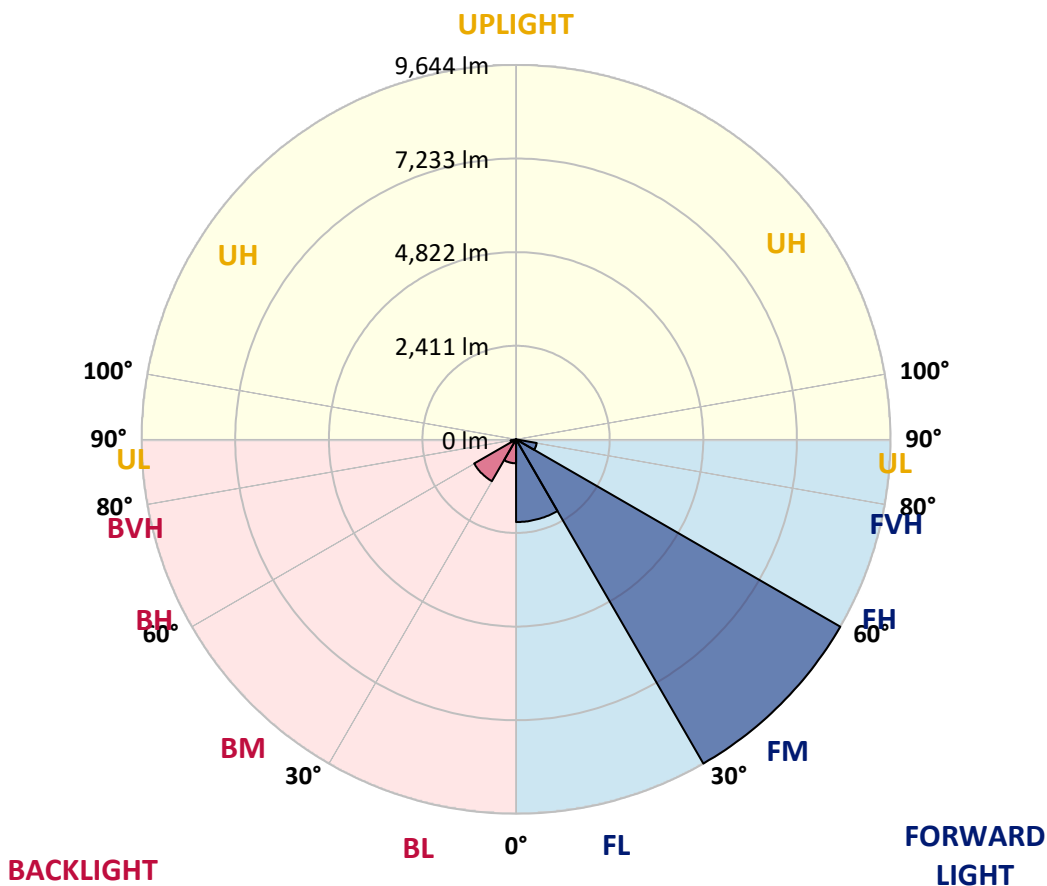
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2130.7	14.9			
FM (30°-60°)	9643.6	67.3			
FH (60°-80°)	539.4	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	617.4	4.3	B2/1000		
BM (30°-60°)	1245.6	8.7	B2/2500		
BH (60°-80°)	142.5	1.0	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





REPORT NUMBER: P641847

CATALOG NUMBER: GWS-SA6B-760-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1710.4	1710.4	1710.4	1710.4	1710.4	1710.4	1710.4	1710.4	1710.4	1710.4	1710.4
2.5°	2531.2	2491.3	2468.4	2450.0	2368.8	2240.2	2156.0	2111.6	2038.1	1914.1	1806.9
5°	3302.9	3273.8	3220.2	3183.5	3079.3	2897.1	2708.8	2633.7	2466.8	2186.6	1935.5
7.5°	3814.3	3792.9	3773.0	3724.0	3626.0	3460.6	3252.4	3174.3	2917.0	2518.9	2107.0
10°	4207.9	4191.0	4168.1	4166.5	4090.0	3941.4	3737.8	3656.6	3377.9	2880.3	2309.1
12.5°	4553.9	4540.1	4535.6	4578.4	4529.4	4419.2	4198.7	4097.6	3802.1	3249.3	2532.7
15°	4791.3	4788.2	4808.1	4892.3	4919.9	4869.4	4684.1	4575.4	4235.4	3619.9	2779.2
17.5°	4900.0	4909.2	4947.5	5092.9	5215.4	5258.3	5115.9	5024.0	4665.7	3995.0	3042.6
20°	5085.3	5082.2	5105.2	5243.0	5393.1	5546.2	5503.3	5425.2	5100.6	4391.6	3335.1
22.5°	5607.4	5563.0	5514.0	5535.5	5589.1	5768.2	5847.8	5808.0	5549.2	4798.9	3636.7
25°	6409.8	6363.9	6206.1	6053.0	5952.0	6033.1	6141.8	6161.7	5994.8	5217.0	3952.2
27.5°	7261.2	7219.8	7042.2	6812.5	6523.1	6382.2	6463.4	6503.2	6432.8	5714.6	4287.5
30°	8059.0	8003.8	7809.4	7524.6	7189.2	6973.3	6881.4	6909.0	6950.3	6304.1	4681.0
32.5°	8751.1	8709.7	8477.0	8176.9	7853.8	7628.7	7414.3	7460.2	7561.3	7025.4	5184.8
35°	9337.5	9316.1	9069.6	8771.0	8429.5	8314.7	8130.9	8140.1	8241.2	7896.6	5798.8
37.5°	9847.5	9810.7	9587.1	9310.0	9039.0	9020.6	8970.0	8974.6	9026.7	8911.9	6504.7
40°	10169.0	10135.3	9976.1	9804.6	9611.6	9614.7	9876.5	9896.5	9836.7	9908.7	7250.5
42.5°	10290.0	10265.5	10179.7	10181.3	10161.4	10251.7	10743.2	10780.0	10565.6	10691.2	7887.5
45°	10080.2	10069.5	10075.6	10296.1	10535.0	10813.7	11452.2	11516.5	11213.3	11210.3	8385.1
47.5°	9403.4	9382.0	9561.1	9936.3	10489.0	11031.1	11881.0	11980.5	11666.6	11507.3	8697.5
50°	8077.3	8138.6	8421.9	8985.4	9826.0	10732.5	11876.4	12049.4	11683.4	11481.3	8645.4
52.5°	5850.9	5838.6	6458.8	7233.6	8256.5	9777.0	11245.5	11498.1	11274.6	11225.6	8529.1
55°	3183.5	3295.2	3713.3	4739.2	6016.3	7968.6	9804.6	10355.8	10614.6	11132.2	8738.8
57.5°	1169.9	1218.9	1480.7	2206.5	3185.0	4955.1	7489.3	8320.8	9120.1	10871.9	8703.6
60°	471.6	480.8	584.9	811.6	1338.3	2522.0	4492.7	5230.7	5984.1	8322.3	6679.3
62.5°	343.0	355.2	396.6	474.7	676.8	1102.5	1937.0	2252.5	2462.2	4122.1	3290.7
65°	277.2	286.3	320.0	355.2	447.1	592.6	624.7	601.8	598.7	1065.7	754.9
67.5°	229.7	238.9	263.4	287.9	321.6	295.5	214.4	225.1	183.7	182.2	148.5
70°	168.4	179.2	203.7	229.7	192.9	79.6	124.0	183.7	139.3	116.4	113.3
72.5°	127.1	134.7	157.7	150.1	56.7	30.6	82.7	133.2	107.2	85.7	84.2
75°	94.9	99.5	79.6	24.5	6.1	7.7	30.6	55.1	59.7	49.0	49.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	4.6	6.1	7.7	9.2
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1710.4	1710.4	1710.4	1710.4	1710.4	1710.4	1710.4	1710.4	1710.4	1710.4	1710.4
2.5°	1745.6	1681.3	1589.4	1512.9	1454.7	1398.0	1355.2	1312.3	1310.7	1289.3	1284.7
5°	1819.1	1702.7	1534.3	1413.3	1339.8	1295.4	1264.8	1249.5	1241.8	1234.2	1231.1
7.5°	1924.8	1757.9	1525.1	1396.5	1335.2	1306.2	1284.7	1275.5	1270.9	1264.8	1263.3
10°	2054.9	1837.5	1558.8	1428.7	1375.1	1347.5	1324.5	1310.7	1303.1	1292.4	1289.3
12.5°	2211.1	1935.5	1612.4	1482.2	1425.6	1388.8	1358.2	1338.3	1327.6	1313.8	1310.7
15°	2379.6	2041.2	1672.1	1531.2	1463.9	1416.4	1378.1	1347.5	1327.6	1310.7	1306.2
17.5°	2554.1	2148.3	1725.7	1564.9	1482.2	1425.6	1370.5	1329.1	1304.6	1283.2	1277.1
20°	2750.1	2258.6	1760.9	1571.1	1476.1	1401.1	1336.8	1284.7	1260.2	1231.1	1225.0
22.5°	2955.3	2361.2	1776.2	1557.3	1442.4	1355.2	1286.2	1232.7	1197.4	1166.8	1157.6
25°	3154.4	2453.1	1768.6	1519.0	1391.9	1290.8	1220.4	1165.3	1127.0	1096.4	1088.7
27.5°	3365.7	2529.6	1741.0	1462.3	1323.0	1220.4	1153.0	1105.6	1070.3	1036.7	1029.0
30°	3603.0	2600.1	1696.6	1393.4	1241.8	1148.4	1096.4	1064.2	1025.9	990.7	980.0
32.5°	3889.4	2662.8	1632.3	1310.7	1169.9	1085.7	1056.6	1032.1	987.7	950.9	943.2
35°	4217.1	2714.9	1551.2	1225.0	1099.4	1045.8	1039.7	1007.6	949.4	906.5	897.3
37.5°	4596.8	2765.4	1454.7	1140.8	1047.4	1027.5	1029.0	973.9	903.4	851.4	845.2
40°	5005.6	2816.0	1347.5	1067.3	999.9	1016.7	1003.0	924.9	810.0	759.5	753.4
42.5°	5431.3	2871.1	1238.8	998.4	960.1	975.4	955.5	826.9	744.2	718.2	715.1
45°	5815.7	2936.9	1120.9	929.5	920.3	915.7	882.0	748.8	713.6	695.2	693.7
47.5°	6092.8	2926.2	995.3	863.6	877.4	862.1	759.5	712.0	682.9	658.4	652.3
50°	6042.3	2739.4	865.2	790.1	822.3	808.5	682.9	669.2	643.1	617.1	607.9
52.5°	5913.7	2485.2	751.8	712.0	762.6	730.4	630.9	617.1	594.1	560.4	549.7
55°	5982.6	2246.3	663.0	649.2	701.3	604.8	572.7	551.2	526.7	490.0	485.4
57.5°	5760.6	1832.9	532.9	542.1	620.2	516.0	502.2	468.6	427.2	402.7	399.7
60°	3987.4	984.6	333.8	344.5	448.7	433.3	450.2	419.6	369.0	346.1	341.5
62.5°	1831.4	395.1	182.2	174.6	235.8	294.0	385.9	382.8	320.0	283.3	280.2
65°	444.1	180.7	130.2	122.5	133.2	176.1	251.1	301.7	258.8	215.9	211.3
67.5°	143.9	147.0	119.4	111.8	117.9	131.7	150.1	166.9	165.4	151.6	148.5
70°	114.8	133.2	110.2	101.1	101.1	105.7	101.1	81.2	70.4	76.6	79.6
72.5°	85.7	101.1	87.3	78.1	75.0	73.5	62.8	45.9	32.2	29.1	27.6
75°	50.5	56.7	53.6	45.9	42.9	38.3	30.6	19.9	10.7	7.7	4.6
77.5°	9.2	10.7	12.2	9.2	7.7	6.1	4.6	1.5	0.0	0.0	0.0
80°	0.0	1.5	1.5	1.5	0.0	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)