

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: P641769

Luminaire Tested: GWS-SA6B-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641769
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-SA6B-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12717.2 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

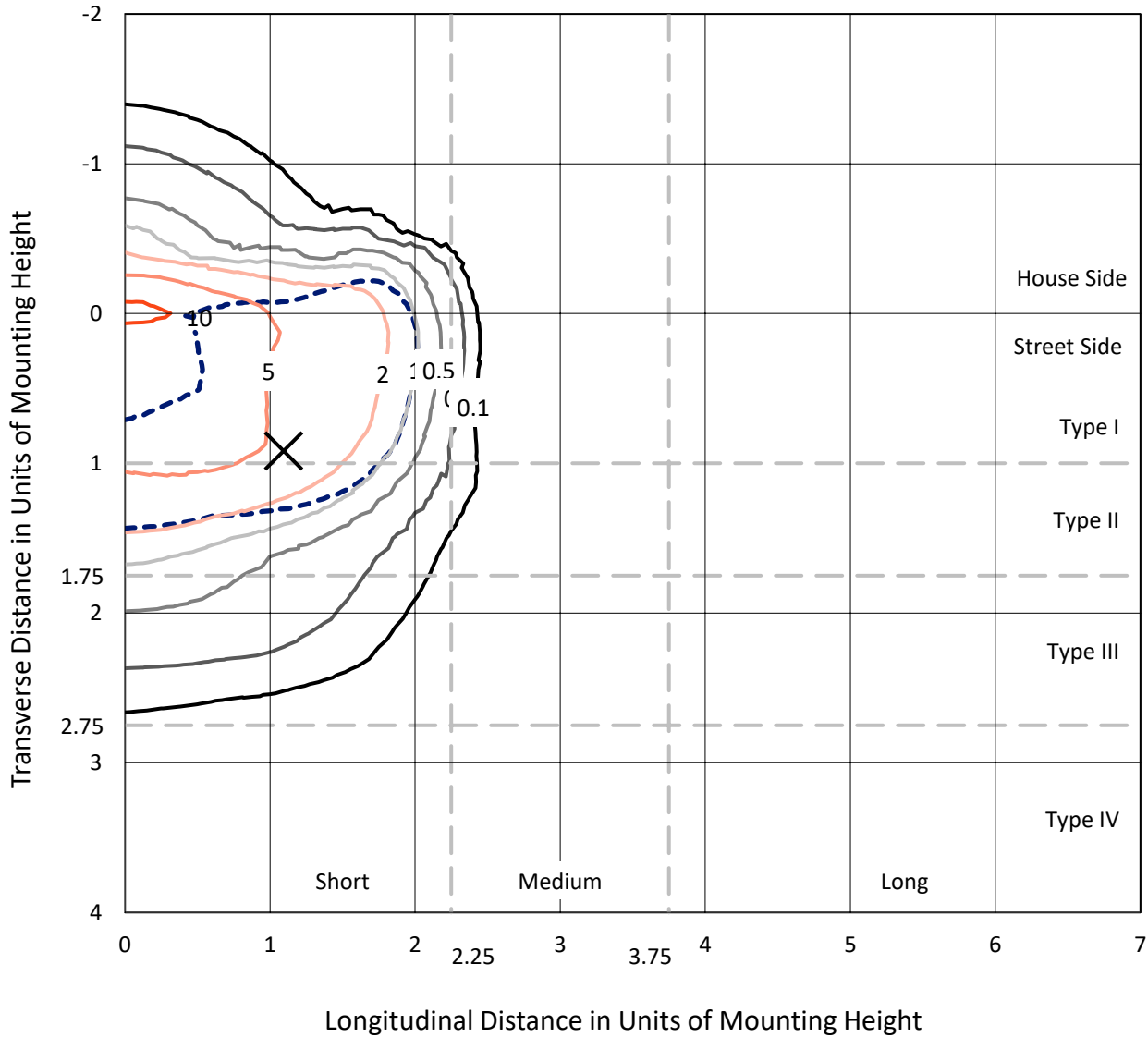
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641769
 CATALOG NUMBER: GWS-SA6B-750-U-SL2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

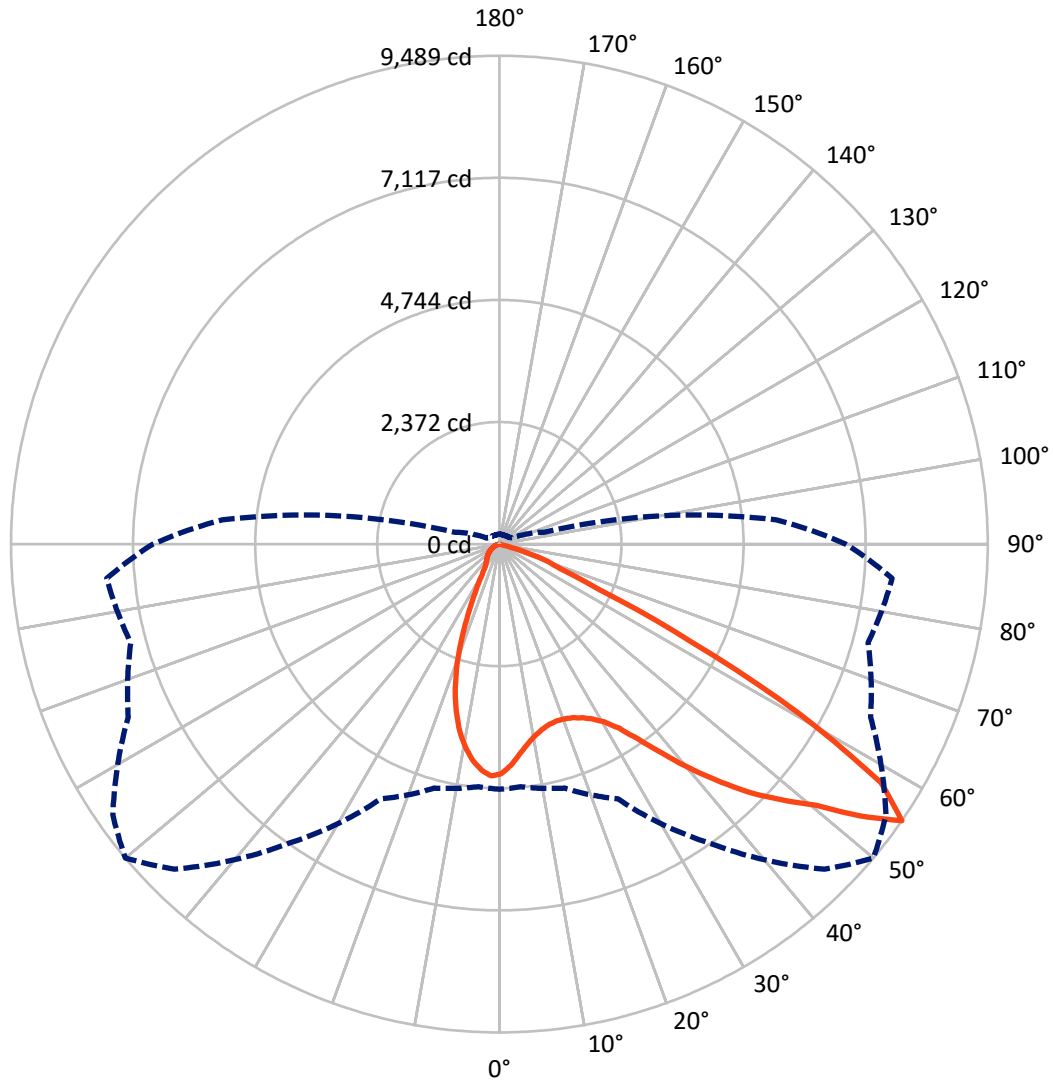
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Short - N/A

REPORT NUMBER: P641769
CATALOG NUMBER: GWS-SA6B-750-U-SL2-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641769
 CATALOG NUMBER: GWS-SA6B-750-U-SL2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2505.9	0.0	2505.9
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	10211.3	0.0	10211.3
	% Fixture	80.3	0.0	80.3
Total	Lumens	12717.2	0.0	12717.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.8	3.1
10°-20°	964.3	7.6
20°-30°	1360.1	10.7
30°-40°	2012.7	15.8
40°-50°	2903.7	22.8
50°-60°	3425.2	26.9
60°-70°	1527.9	12.0
70°-80°	131.4	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°	12717.2	100.0
0°-180°	12717.2	100.0

Coefficient of Utilization



REPORT NUMBER: P641769

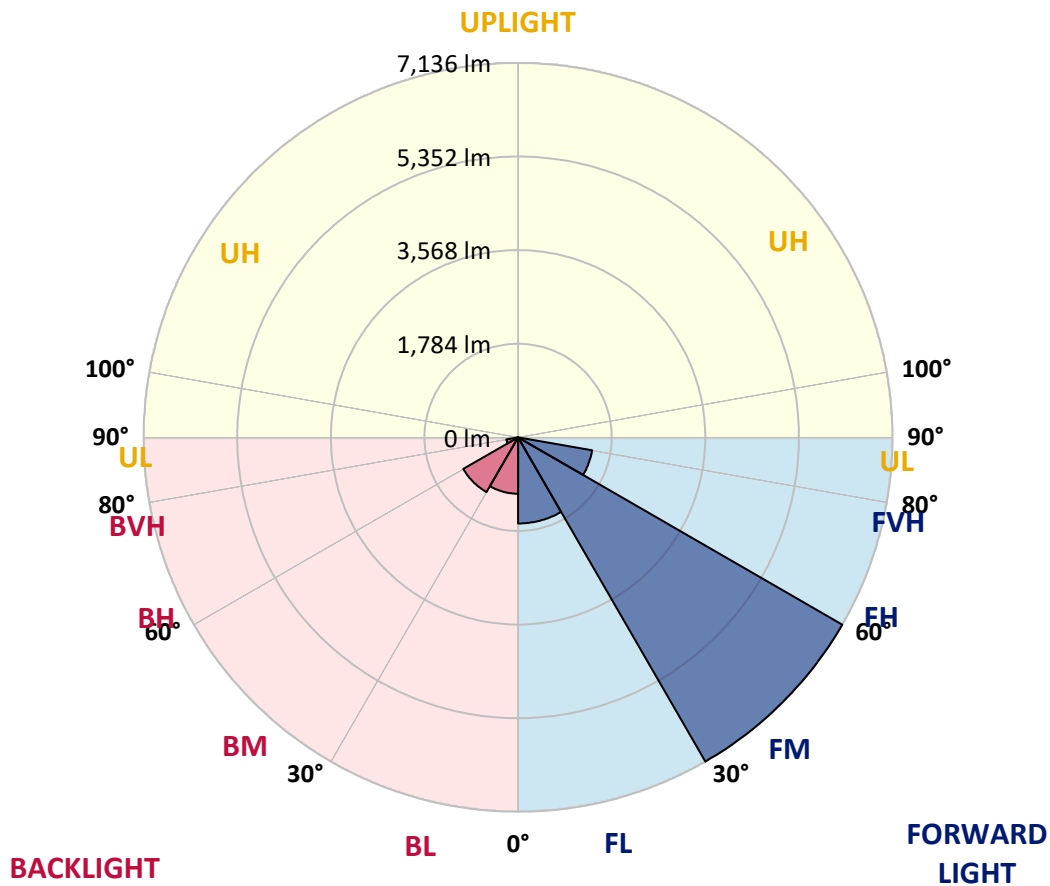
CATALOG NUMBER: GWS-SA6B-750-U-SL2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1641.8	12.9			
FM (30°-60°)	7136.5	56.1			
FH (60°-80°)	1433.0	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1074.4	8.4	B3/2500		
BM (30°-60°)	1205.2	9.5	B2/2500		
BH (60°-80°)	226.3	1.8	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: B3-U0-G1

Type II Short





REPORT NUMBER: P641769

CATALOG NUMBER: GWS-SA6B-750-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4461.9	4461.9	4461.9	4461.9	4461.9	4461.9	4461.9	4461.9	4461.9	4461.9	4461.9
2.5°	4145.2	4148.3	4149.8	4191.8	4207.3	4269.4	4302.0	4319.1	4364.1	4416.9	4460.3
5°	3867.3	3862.6	3870.4	3923.2	3957.3	4048.9	4098.6	4132.8	4232.1	4356.3	4460.3
7.5°	3625.1	3634.4	3643.7	3701.2	3752.4	3851.8	3923.2	3974.4	4112.6	4297.3	4472.8
10°	3454.3	3454.3	3468.3	3533.5	3594.1	3716.7	3788.1	3853.3	4017.9	4244.6	4486.7
12.5°	3328.6	3330.1	3347.2	3421.7	3491.6	3618.9	3693.4	3757.1	3938.7	4191.8	4489.8
15°	3269.6	3264.9	3278.9	3358.1	3435.7	3555.2	3632.9	3695.0	3882.8	4162.3	4505.4
17.5°	3254.1	3250.9	3261.8	3339.4	3418.6	3535.1	3611.1	3673.2	3875.1	4171.6	4551.9
20°	3299.1	3292.9	3288.2	3355.0	3429.5	3544.4	3623.5	3693.4	3912.3	4222.8	4623.4
22.5°	3406.2	3406.2	3395.3	3427.9	3477.6	3581.6	3663.9	3755.5	4010.1	4325.3	4728.9
25°	3603.4	3587.8	3567.7	3581.6	3575.4	3640.6	3738.4	3865.7	4194.9	4494.5	4857.8
27.5°	3828.5	3842.5	3808.3	3809.8	3755.5	3732.2	3845.6	4038.1	4469.7	4733.6	5048.7
30°	4134.3	4123.5	4125.0	4120.3	3994.6	3884.4	4007.0	4263.2	4815.9	5098.4	5297.1
32.5°	4373.4	4388.9	4440.2	4469.7	4305.1	4128.1	4258.5	4569.0	5210.2	5514.5	5601.4
35°	4626.5	4654.4	4758.4	4854.7	4716.5	4513.1	4652.9	4974.2	5581.3	5925.9	5950.8
37.5°	4893.5	4949.4	5073.6	5242.8	5221.1	5041.0	5168.3	5450.8	5873.1	6174.3	6239.5
40°	5199.3	5253.7	5457.1	5700.8	5752.0	5711.7	5753.6	5918.2	6065.6	6185.2	6363.7
42.5°	5534.7	5609.2	5866.9	6192.9	6385.5	6421.2	6323.4	6306.3	6149.5	6061.0	6337.3
45°	5930.6	6017.5	6309.4	6731.7	7037.5	7085.6	6916.4	6697.5	6202.3	5969.4	6258.1
47.5°	6374.6	6456.9	6747.2	7254.9	7709.7	7728.4	7433.4	7081.0	6359.1	6075.0	6318.7
50°	6523.6	6574.9	6826.4	7422.5	8260.9	8403.7	7976.8	7512.6	6674.2	6385.5	6613.7
52.5°	6011.3	6031.5	6250.4	6852.8	8149.1	9066.6	8770.1	8156.9	7234.7	6859.0	7068.6
55°	4763.1	4730.5	4907.5	5460.2	7082.5	8931.6	9488.9	9169.1	7956.6	7414.8	7660.1
57.5°	3331.7	3292.9	3252.5	3626.7	5284.7	7571.6	8743.7	9310.4	8644.4	7965.9	8298.1
60°	2738.6	2701.4	2505.7	2333.4	3195.1	5436.9	6716.1	7782.7	8588.5	7938.0	8278.0
62.5°	2366.0	2344.3	2265.1	2030.7	1880.1	3103.5	4205.7	5227.3	6590.4	6233.3	6251.9
65°	1858.3	1852.1	1906.5	1931.3	1662.7	1717.1	2145.6	2716.9	3563.0	3359.6	3185.7
67.5°	1269.9	1256.0	1358.4	1670.5	1599.1	1355.3	1256.0	1266.8	1541.6	942.4	748.3
70°	807.3	774.7	776.3	1035.5	1301.0	1069.7	968.8	852.3	766.9	139.7	158.4
72.5°	517.0	496.8	426.9	467.3	602.4	521.6	526.3	453.3	302.7	74.5	86.9
75°	217.4	200.3	153.7	122.6	121.1	76.1	66.8	62.1	41.9	41.9	45.0
77.5°	1.6	0.0	0.0	1.6	3.1	1.6	1.6	3.1	6.2	9.3	10.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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



REPORT NUMBER: P641769
 CATALOG NUMBER: GWS-SA6B-750-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4461.9	4461.9	4461.9	4461.9	4461.9	4461.9	4461.9	4461.9	4461.9	4461.9	4461.9
2.5°	4486.7	4449.5	4491.4	4506.9	4505.4	4506.9	4461.9	4430.9	4429.3	4390.5	4371.9
5°	4503.8	4474.3	4505.4	4485.2	4437.1	4376.5	4295.8	4225.9	4194.9	4149.8	4128.1
7.5°	4536.4	4505.4	4500.7	4420.0	4300.4	4173.1	4030.3	3903.0	3834.7	3752.4	3757.1
10°	4559.7	4524.0	4463.5	4298.9	4100.2	3896.8	3684.1	3494.7	3375.1	3264.9	3246.3
12.5°	4569.0	4516.2	4375.0	4126.6	3847.1	3581.6	3269.6	2999.4	2813.1	2668.8	2648.6
15°	4586.1	4500.7	4261.6	3918.5	3535.1	3159.3	2761.9	2392.4	2145.6	1979.4	1993.4
17.5°	4612.5	4483.6	4134.3	3685.6	3199.7	2668.8	2131.6	1707.8	1481.1	1384.8	1386.4
20°	4649.8	4463.5	3994.6	3429.5	2797.6	2114.5	1490.4	1170.6	1106.9	1103.8	1099.2
22.5°	4699.4	4443.3	3845.6	3148.5	2321.0	1481.1	992.1	892.7	919.1	970.3	979.6
25°	4758.4	4418.4	3679.4	2831.8	1800.9	971.9	743.7	728.1	791.8	860.1	875.6
27.5°	4850.0	4406.0	3490.0	2471.6	1263.7	697.1	608.6	617.9	675.3	732.8	746.8
30°	5005.3	4429.3	3283.5	2067.9	812.0	555.8	527.9	541.8	572.9	602.4	614.8
32.5°	5216.4	4497.6	3083.3	1627.0	579.1	482.8	476.6	484.4	496.8	513.9	518.5
35°	5463.3	4615.6	2876.8	1164.4	478.2	440.9	434.7	434.7	440.9	444.0	445.6
37.5°	5666.6	4739.8	2682.7	774.7	428.5	408.3	399.0	394.3	392.8	395.9	397.4
40°	5755.1	4791.0	2471.6	563.6	392.8	378.8	364.8	350.9	350.9	361.7	363.3
42.5°	5693.0	4733.6	2227.8	465.8	367.9	347.8	326.0	313.6	319.8	330.7	333.8
45°	5561.1	4592.3	1959.3	411.4	343.1	316.7	291.9	284.1	290.3	304.3	307.4
47.5°	5539.3	4499.2	1637.9	375.7	316.7	290.3	263.9	256.2	263.9	274.8	277.9
50°	5755.1	4579.9	1280.8	344.7	291.9	262.4	240.6	232.9	237.5	243.7	246.8
52.5°	6149.5	4879.5	1034.0	315.2	262.4	234.4	220.5	211.1	211.1	217.4	218.9
55°	6731.7	5402.7	892.7	281.0	228.2	212.7	200.3	191.0	191.0	194.1	195.6
57.5°	7402.3	6036.1	925.3	236.0	200.3	192.5	181.6	173.9	177.0	177.0	177.0
60°	7309.2	5989.6	990.5	198.7	177.0	173.9	164.6	161.5	169.2	163.0	159.9
62.5°	5384.1	4137.4	518.5	163.0	152.1	149.0	142.8	149.0	159.9	142.8	136.6
65°	2614.4	2002.7	208.0	133.5	128.9	125.8	122.6	132.0	138.2	111.8	105.6
67.5°	614.8	499.9	135.1	113.3	107.1	100.9	104.0	105.6	100.9	76.1	73.0
70°	159.9	156.8	105.6	94.7	85.4	79.2	79.2	77.6	66.8	48.1	45.0
72.5°	86.9	85.4	76.1	71.4	59.0	52.8	54.3	48.1	37.3	27.9	26.4
75°	43.5	46.6	43.5	40.4	32.6	29.5	29.5	26.4	18.6	10.9	10.9
77.5°	9.3	10.9	10.9	9.3	7.8	6.2	6.2	7.8	3.1	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	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)