

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: P637369

Luminaire Tested: GWS-SA4C-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637369
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-SA4C-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11499.7 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

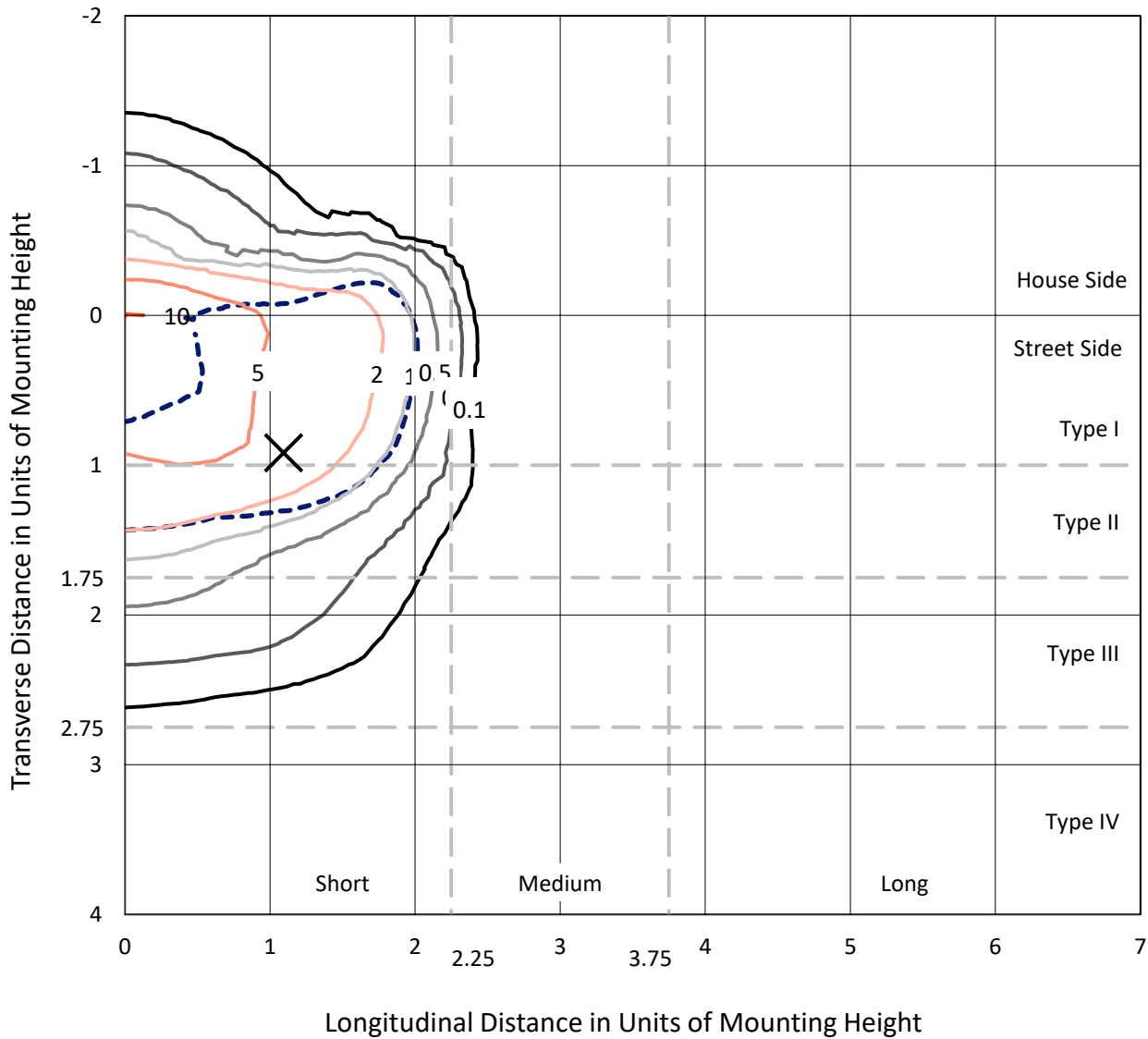
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637369
 CATALOG NUMBER: GWS-SA4C-760-U-SL2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

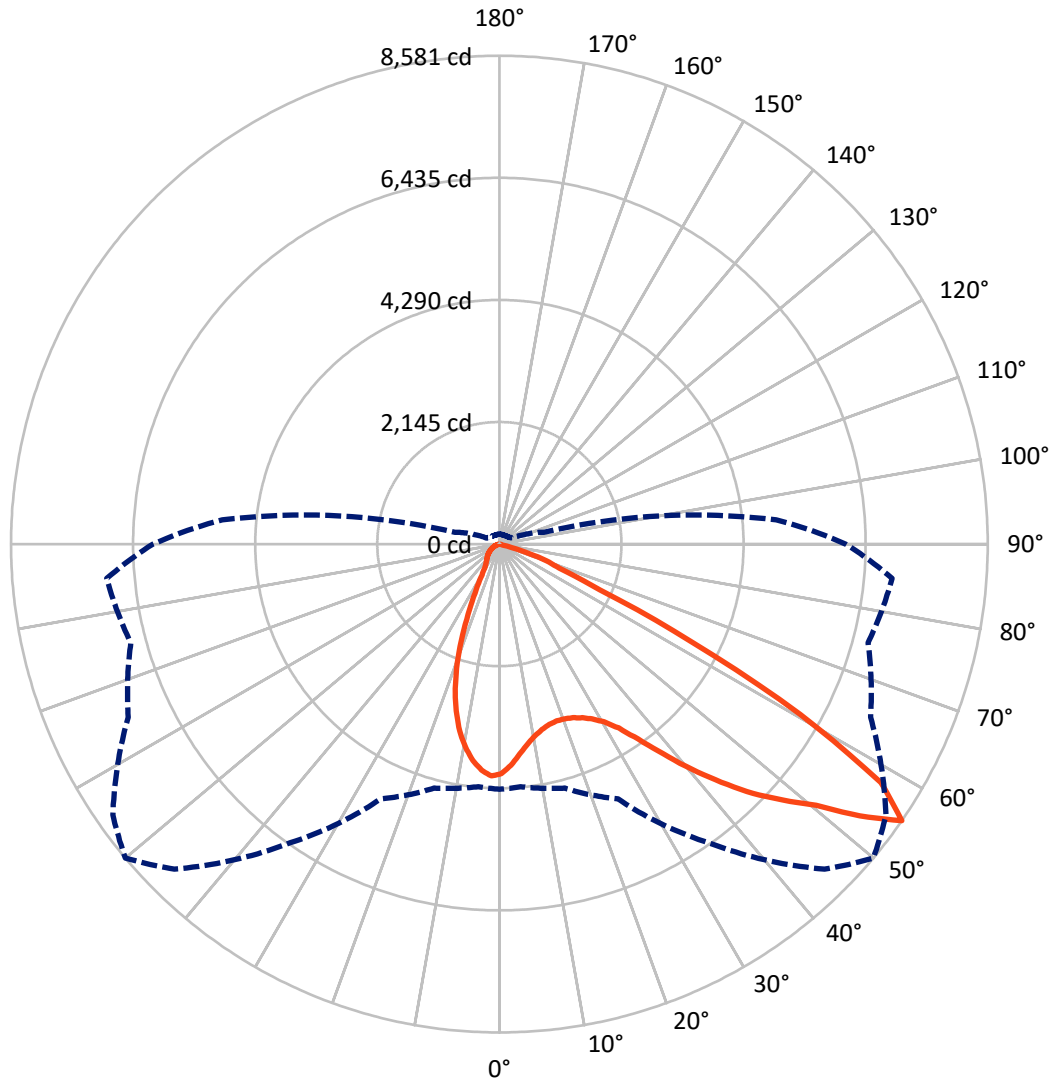
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Short - N/A

REPORT NUMBER: P637369
CATALOG NUMBER: GWS-SA4C-760-U-SL2-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637369
 CATALOG NUMBER: GWS-SA4C-760-U-SL2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2266.0	0.0	2266.0
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	9233.7	0.0	9233.7
	% Fixture	80.3	0.0	80.3
Total	Lumens	11499.7	0.0	11499.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.3	3.1
10°-20°	872.0	7.6
20°-30°	1229.9	10.7
30°-40°	1820.0	15.8
40°-50°	2625.7	22.8
50°-60°	3097.2	26.9
60°-70°	1381.6	12.0
70°-80°	118.8	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°	11499.7	100.0
0°-180°	11499.7	100.0

Coefficient of Utilization



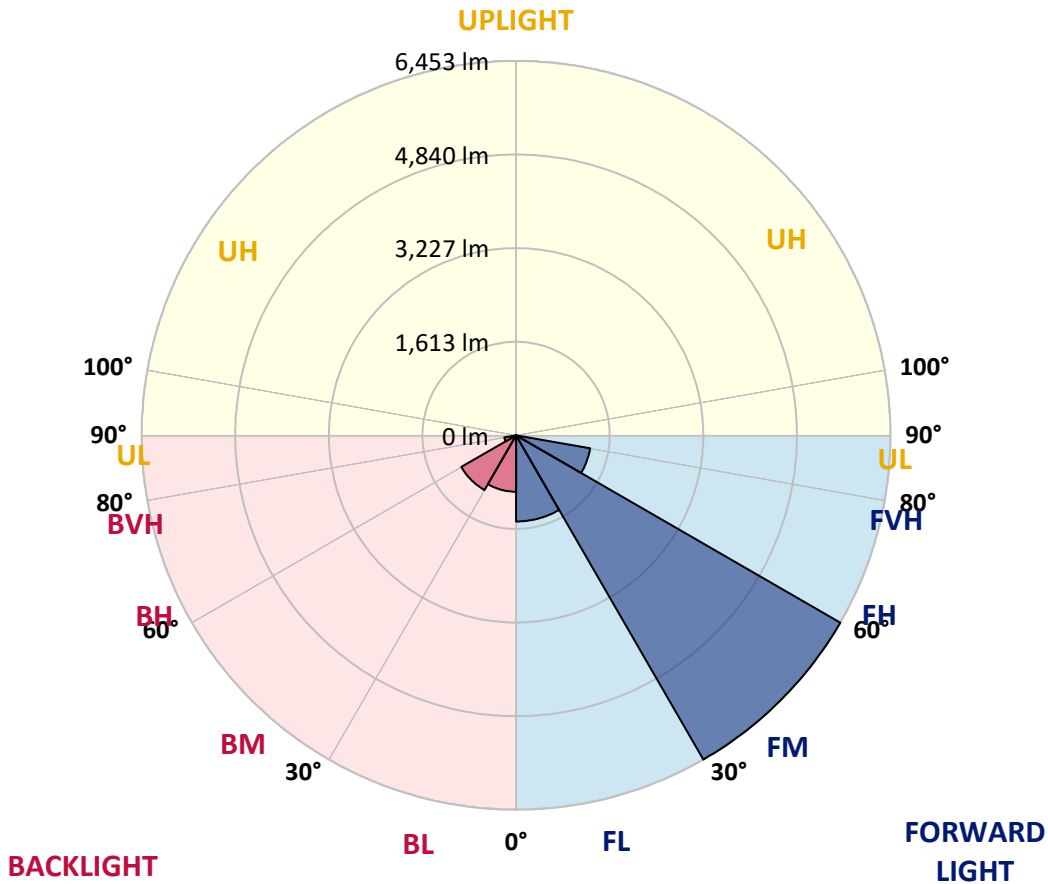
REPORT NUMBER: P637369

CATALOG NUMBER: GWS-SA4C-760-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°)	1484.7	12.9			
FM (30°-60°)	6453.3	56.1			
FH (60°-80°)	1295.8	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	971.6	8.4	B2/1000		
BM (30°-60°)	1089.8	9.5	B2/2500		
BH (60°-80°)	204.6	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: B2-U0-G1
 Type II Short





REPORT NUMBER: P637369

CATALOG NUMBER: GWS-SA4C-760-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4034.7	4034.7	4034.7	4034.7	4034.7	4034.7	4034.7	4034.7	4034.7	4034.7	4034.7
2.5°	3748.3	3751.2	3752.6	3790.5	3804.5	3860.7	3890.1	3905.6	3946.3	3994.0	4033.3
5°	3497.1	3492.8	3499.9	3547.6	3578.5	3661.3	3706.2	3737.1	3827.0	3939.3	4033.3
7.5°	3278.0	3286.5	3294.9	3346.8	3393.2	3483.0	3547.6	3593.9	3718.9	3885.9	4044.6
10°	3123.6	3123.6	3136.3	3195.2	3250.0	3360.9	3425.5	3484.4	3633.2	3838.2	4057.2
12.5°	3009.9	3011.3	3026.8	3094.1	3157.3	3272.4	3339.8	3397.4	3561.6	3790.5	4060.0
15°	2956.6	2952.3	2965.0	3036.6	3106.8	3214.9	3285.1	3341.2	3511.1	3763.8	4074.0
17.5°	2942.5	2939.7	2949.5	3019.7	3091.3	3196.6	3265.4	3321.6	3504.1	3772.2	4116.2
20°	2983.2	2977.6	2973.4	3033.8	3101.2	3205.0	3276.6	3339.8	3537.8	3818.5	4180.7
22.5°	3080.1	3080.1	3070.3	3099.8	3144.7	3238.7	3313.1	3396.0	3626.2	3911.2	4276.2
25°	3258.4	3244.4	3226.1	3238.7	3233.1	3292.1	3380.5	3495.6	3793.3	4064.2	4392.7
27.5°	3462.0	3474.6	3443.7	3445.1	3396.0	3374.9	3477.4	3651.5	4041.8	4280.4	4565.4
30°	3738.5	3728.7	3730.1	3725.9	3612.2	3512.5	3623.4	3855.0	4354.8	4610.3	4790.0
32.5°	3954.7	3968.8	4015.1	4041.8	3892.9	3732.9	3850.8	4131.6	4711.4	4986.6	5065.2
35°	4183.5	4208.8	4302.9	4389.9	4265.0	4081.1	4207.4	4498.0	5046.9	5358.6	5381.0
37.5°	4425.0	4475.6	4587.9	4740.9	4721.2	4558.4	4673.5	4929.0	5310.9	5583.2	5642.2
40°	4701.6	4750.7	4934.6	5155.0	5201.4	5164.9	5202.8	5351.6	5484.9	5593.0	5754.5
42.5°	5004.8	5072.2	5305.2	5600.1	5774.1	5806.4	5718.0	5702.5	5560.7	5480.7	5730.6
45°	5362.8	5441.4	5705.3	6087.2	6363.8	6407.3	6254.3	6056.3	5608.5	5397.9	5659.0
47.5°	5764.3	5838.7	6101.2	6560.3	6971.6	6988.5	6721.7	6403.1	5750.3	5493.4	5713.8
50°	5899.1	5945.4	6172.8	6711.9	7470.0	7599.2	7213.1	6793.3	6035.3	5774.1	5980.5
52.5°	5435.8	5454.1	5652.0	6196.7	7368.9	8198.6	7930.5	7376.0	6542.1	6202.3	6391.8
55°	4307.1	4277.6	4437.6	4937.4	6404.5	8076.5	8580.5	8291.3	7194.9	6704.9	6926.7
57.5°	3012.7	2977.6	2941.1	3279.4	4778.8	6846.7	7906.6	8419.0	7816.8	7203.3	7503.7
60°	2476.4	2442.7	2265.9	2110.0	2889.2	4916.4	6073.2	7037.6	7766.2	7178.0	7485.5
62.5°	2139.5	2119.8	2048.3	1836.3	1700.1	2806.3	3803.1	4726.8	5959.4	5636.6	5653.4
65°	1680.4	1674.8	1724.0	1746.4	1503.5	1552.7	1940.2	2456.8	3221.9	3038.0	2880.7
67.5°	1148.4	1135.7	1228.4	1510.6	1446.0	1225.6	1135.7	1145.6	1394.0	852.2	676.7
70°	730.0	700.5	701.9	936.4	1176.4	967.3	876.0	770.7	693.5	126.3	143.2
72.5°	467.5	449.2	386.1	422.6	544.7	471.7	475.9	409.9	273.8	67.4	78.6
75°	196.5	181.1	139.0	110.9	109.5	68.8	60.4	56.2	37.9	37.9	40.7
77.5°	1.4	0.0	0.0	1.4	2.8	1.4	1.4	2.8	5.6	8.4	9.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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: P637369

CATALOG NUMBER: GWS-SA4C-760-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4034.7	4034.7	4034.7	4034.7	4034.7	4034.7	4034.7	4034.7	4034.7	4034.7	4034.7
2.5°	4057.2	4023.5	4061.4	4075.4	4074.0	4075.4	4034.7	4006.7	4005.3	3970.2	3953.3
5°	4072.6	4046.0	4074.0	4055.8	4012.3	3957.5	3884.5	3821.3	3793.3	3752.6	3732.9
7.5°	4102.1	4074.0	4069.8	3996.8	3888.7	3773.6	3644.5	3529.3	3467.6	3393.2	3397.4
10°	4123.2	4090.9	4036.1	3887.3	3707.6	3523.7	3331.4	3160.1	3052.0	2952.3	2935.5
12.5°	4131.6	4083.9	3956.1	3731.5	3478.8	3238.7	2956.6	2712.3	2543.8	2413.3	2395.0
15°	4147.0	4069.8	3853.6	3543.4	3196.6	2856.9	2497.5	2163.4	1940.2	1789.9	1802.6
17.5°	4170.9	4054.4	3738.5	3332.8	2893.4	2413.3	1927.5	1544.3	1339.3	1252.3	1253.7
20°	4204.6	4036.1	3612.2	3101.2	2529.8	1912.1	1347.7	1058.5	1001.0	998.2	993.9
22.5°	4249.5	4017.9	3477.4	2847.1	2098.8	1339.3	897.1	807.2	831.1	877.4	885.8
25°	4302.9	3995.4	3327.2	2560.7	1628.5	878.8	672.5	658.4	716.0	777.7	791.8
27.5°	4385.7	3984.2	3155.9	2235.0	1142.8	630.3	550.3	558.7	610.7	662.6	675.3
30°	4526.1	4005.3	2969.2	1870.0	734.2	502.6	477.3	490.0	518.0	544.7	555.9
32.5°	4717.0	4067.0	2788.1	1471.3	523.6	436.6	431.0	438.0	449.2	464.7	468.9
35°	4940.2	4173.7	2601.4	1052.9	432.4	398.7	393.1	393.1	398.7	401.5	402.9
37.5°	5124.1	4286.0	2425.9	700.5	387.5	369.2	360.8	356.6	355.2	358.0	359.4
40°	5204.2	4332.4	2235.0	509.6	355.2	342.5	329.9	317.3	317.3	327.1	328.5
42.5°	5148.0	4280.4	2014.6	421.2	332.7	314.5	294.8	283.6	289.2	299.0	301.8
45°	5028.7	4152.7	1771.7	372.0	310.3	286.4	263.9	256.9	262.5	275.2	278.0
47.5°	5009.0	4068.4	1481.1	339.7	286.4	262.5	238.7	231.6	238.7	248.5	251.3
50°	5204.2	4141.4	1158.2	311.7	263.9	237.3	217.6	210.6	214.8	220.4	223.2
52.5°	5560.7	4412.4	935.0	285.0	237.3	212.0	199.4	190.9	190.9	196.5	197.9
55°	6087.2	4885.5	807.2	254.1	206.4	192.3	181.1	172.7	172.7	175.5	176.9
57.5°	6693.7	5458.3	836.7	213.4	181.1	174.1	164.3	157.2	160.0	160.0	160.0
60°	6609.4	5416.1	895.7	179.7	160.0	157.2	148.8	146.0	153.0	147.4	144.6
62.5°	4868.6	3741.3	468.9	147.4	137.6	134.8	129.2	134.8	144.6	129.2	123.5
65°	2364.1	1811.0	188.1	120.7	116.5	113.7	110.9	119.3	124.9	101.1	95.5
67.5°	555.9	452.0	122.1	102.5	96.9	91.3	94.1	95.5	91.3	68.8	66.0
70°	144.6	141.8	95.5	85.6	77.2	71.6	71.6	70.2	60.4	43.5	40.7
72.5°	78.6	77.2	68.8	64.6	53.3	47.7	49.1	43.5	33.7	25.3	23.9
75°	39.3	42.1	39.3	36.5	29.5	26.7	26.7	23.9	16.8	9.8	9.8
77.5°	8.4	9.8	9.8	8.4	7.0	5.6	5.6	7.0	2.8	0.0	0.0
80°	1.4	1.4	1.4	1.4	1.4	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)