

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: P634843

Luminaire Tested: GWS-SA3C-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8346 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

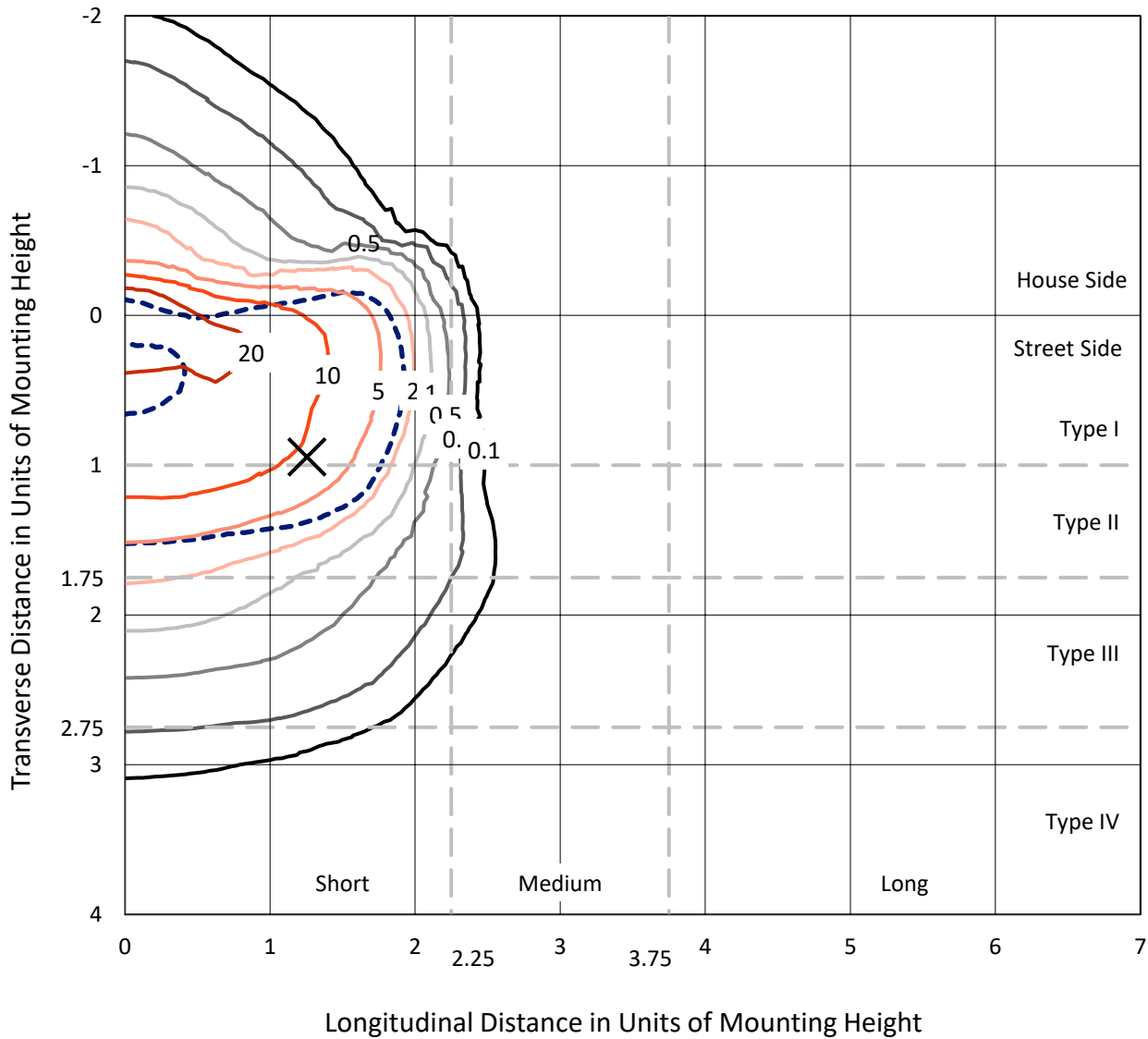
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634843
 CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

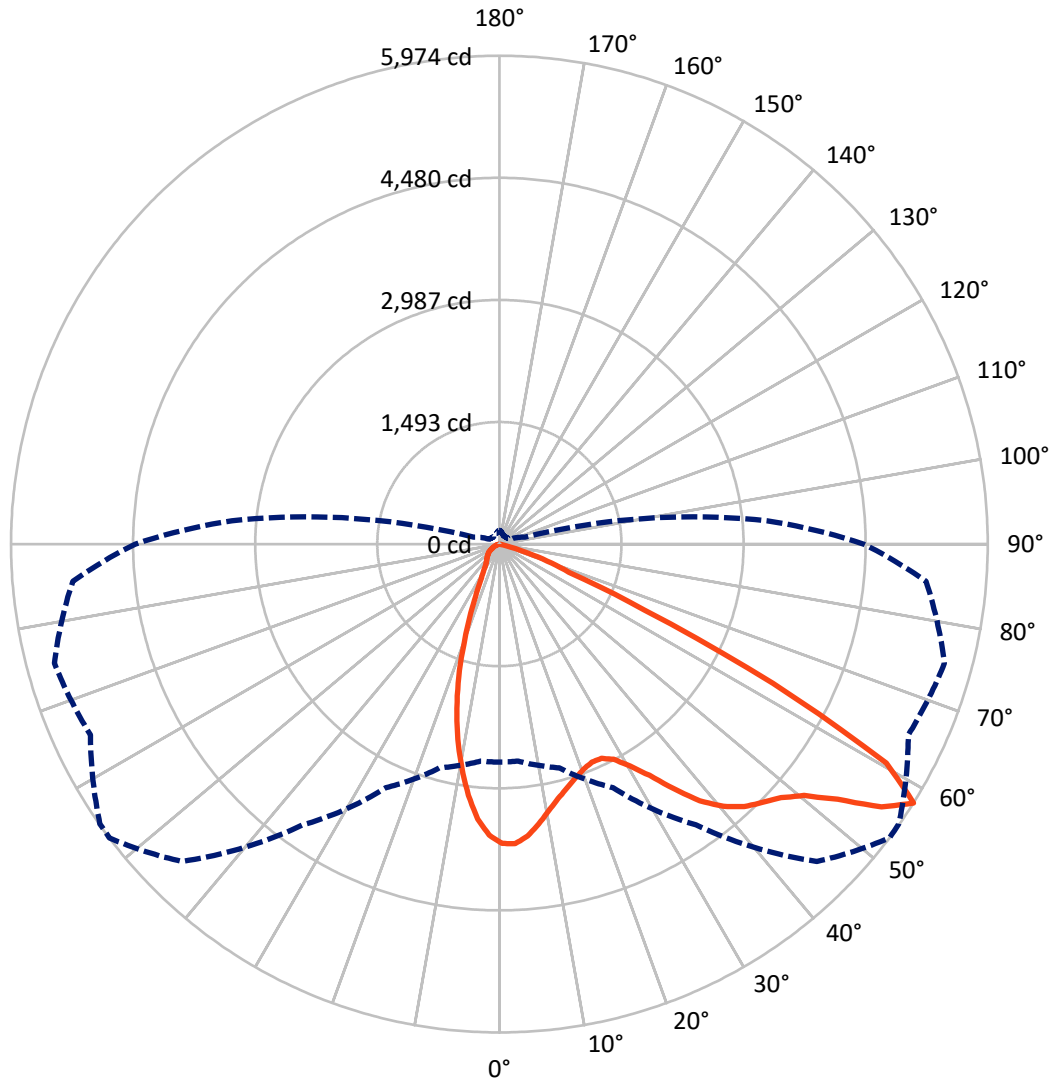
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 36.6 fc
 Type II - Short - N/A

REPORT NUMBER: P634843
CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P634843
 CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1378.6	0.0	1378.6
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	6967.3	0.0	6967.3
	% Fixture	83.5	0.0	83.5
Total	Lumens	8346.0	0.0	8346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.2	3.8
10°-20°	687.7	8.2
20°-30°	895.8	10.7
30°-40°	1299.4	15.6
40°-50°	1875.0	22.5
50°-60°	2267.6	27.2
60°-70°	924.2	11.1
70°-80°	83.0	1.0
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°	8346.0	100.0
0°-180°	8346.0	100.0

Coefficient of Utilization



REPORT NUMBER: P634843

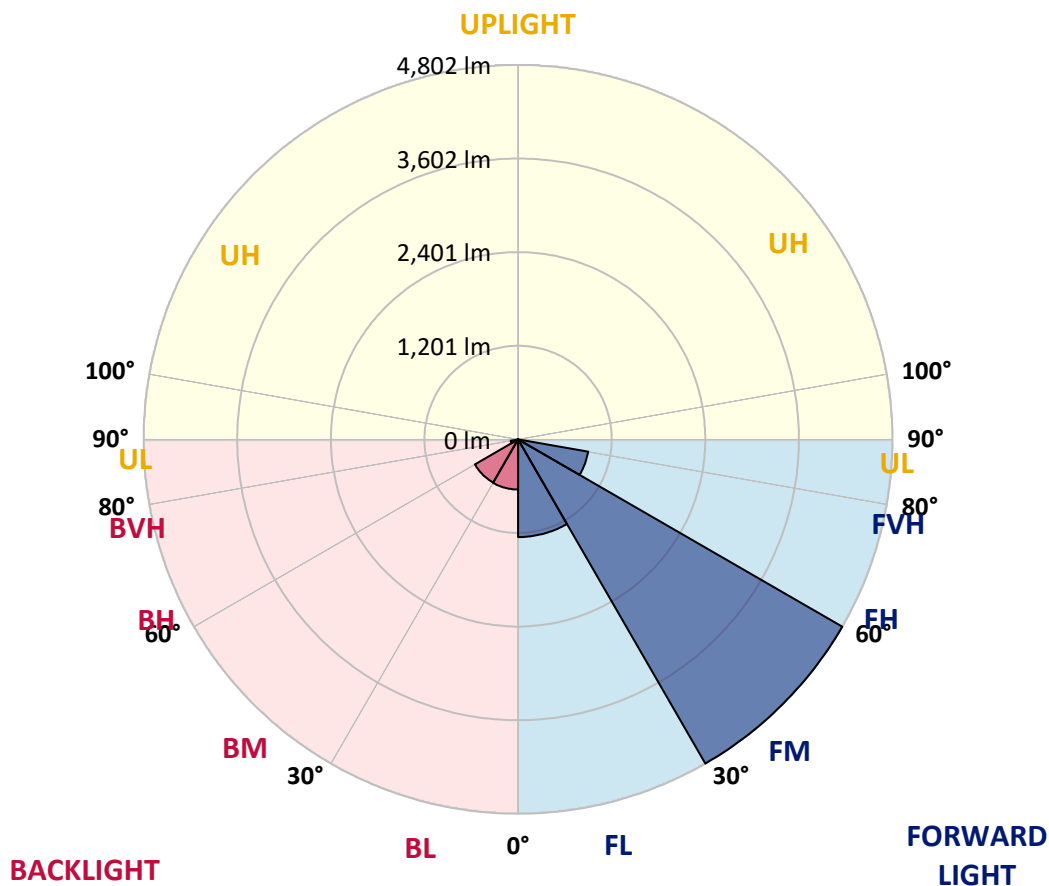
CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1253.3	15.0			
FM (30°-60°)	4802.1	57.5			
FH (60°-80°)	911.9	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	643.4	7.7	B2/1000		
BM (30°-60°)	639.9	7.7	B1/1000		
BH (60°-80°)	95.3	1.1	B0/110		G0/110
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: P634843

CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3661.0	3661.0	3661.0	3661.0	3661.0	3661.0	3661.0	3661.0	3661.0	3661.0	3661.0
2.5°	3609.9	3618.1	3632.4	3650.8	3663.1	3669.2	3669.2	3686.6	3675.4	3666.1	3655.9
5°	3455.4	3463.6	3483.0	3512.7	3542.4	3563.9	3588.4	3606.8	3614.0	3614.0	3596.6
7.5°	3237.5	3248.8	3261.1	3302.0	3366.4	3414.5	3456.4	3483.0	3521.9	3534.2	3509.6
10°	3003.3	3014.5	3042.2	3098.4	3172.1	3243.7	3315.3	3349.0	3415.5	3450.3	3422.7
12.5°	2804.8	2810.0	2846.8	2914.3	3008.4	3106.6	3193.6	3228.3	3322.4	3374.6	3341.9
15°	2641.2	2644.2	2681.1	2755.7	2864.2	2984.9	3094.3	3130.1	3245.7	3324.5	3275.4
17.5°	2517.4	2518.4	2550.1	2631.0	2744.5	2878.5	3008.4	3052.4	3201.7	3296.9	3223.2
20°	2455.0	2451.9	2474.4	2545.0	2652.4	2786.4	2939.9	2994.1	3177.2	3292.8	3183.3
22.5°	2456.0	2448.9	2458.1	2508.2	2599.2	2725.1	2896.9	2958.3	3179.2	3310.2	3149.6
25°	2514.3	2504.1	2506.2	2532.8	2597.2	2711.8	2903.0	2968.5	3220.2	3368.5	3137.3
27.5°	2612.5	2601.3	2601.3	2614.6	2649.4	2753.7	2979.8	3054.4	3329.6	3482.0	3162.9
30°	2739.4	2728.1	2724.0	2737.3	2766.0	2862.1	3150.6	3228.3	3516.8	3668.2	3244.7
32.5°	2884.6	2871.3	2878.5	2896.9	2924.5	3057.5	3370.5	3473.8	3751.0	3918.8	3392.0
35°	3038.1	3026.8	3059.6	3099.4	3142.4	3328.6	3674.3	3764.3	4038.5	4230.8	3617.0
37.5°	3184.4	3179.2	3247.8	3331.7	3420.6	3653.9	3983.3	4052.8	4285.0	4570.4	3892.2
40°	3330.6	3329.6	3447.2	3594.5	3736.7	3978.1	4217.5	4274.8	4435.4	4834.3	4156.1
42.5°	3494.3	3494.3	3656.9	3853.3	4042.6	4252.3	4389.4	4414.9	4502.9	4986.7	4354.6
45°	3650.8	3660.0	3848.2	4076.3	4300.4	4466.1	4508.0	4510.1	4530.5	5076.8	4519.3
47.5°	3774.6	3782.8	4007.8	4270.7	4512.1	4628.7	4634.9	4625.6	4603.1	5162.7	4646.1
50°	3874.8	3887.1	4122.4	4400.6	4657.4	4785.2	4832.3	4823.1	4765.8	5254.7	4735.1
52.5°	3923.9	3941.3	4162.3	4465.0	4819.0	5053.2	5184.2	5205.6	5009.2	5305.9	4820.0
55°	3531.1	3556.7	3760.3	4174.5	4909.0	5467.5	5673.1	5669.0	5273.2	5458.3	5026.6
57.5°	2666.8	2664.7	2833.5	3286.6	4192.9	5491.0	5973.9	5965.7	5519.7	5635.3	5238.4
60°	1815.7	1803.4	1848.4	2067.3	2931.7	4473.2	5436.8	5547.3	5344.8	5205.6	4447.7
62.5°	1494.5	1483.2	1468.9	1408.6	1683.7	2786.4	3756.2	3923.9	3897.3	3618.1	2789.5
65°	1223.4	1232.6	1272.5	1246.9	1171.2	1429.0	1949.7	2048.9	1873.0	1576.3	974.8
67.5°	902.2	906.3	958.5	1093.5	1052.6	951.3	917.6	933.9	547.3	251.6	162.6
70°	532.9	536.0	584.1	765.1	854.1	730.4	619.9	610.7	216.9	67.5	73.7
72.5°	301.8	295.6	304.8	364.2	465.4	387.7	319.2	290.5	65.5	37.8	37.8
75°	143.2	139.1	119.7	112.5	102.3	65.5	40.9	34.8	16.4	15.3	15.3
77.5°	1.0	3.1	2.0	3.1	3.1	2.0	1.0	1.0	3.1	3.1	4.1
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



REPORT NUMBER: P634843
 CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3661.0	3661.0	3661.0	3661.0	3661.0	3661.0	3661.0	3661.0	3661.0	3661.0	3661.0
2.5°	3637.5	3606.8	3599.7	3597.6	3569.0	3538.3	3506.6	3494.3	3475.9	3464.6	3473.8
5°	3569.0	3525.0	3486.1	3450.3	3386.9	3317.3	3257.0	3218.1	3181.3	3156.7	3162.9
7.5°	3471.8	3414.5	3325.5	3234.5	3117.9	3013.5	2896.9	2825.3	2758.8	2722.0	2739.4
10°	3368.5	3292.8	3150.6	2996.1	2813.0	2649.4	2482.6	2346.6	2267.8	2193.1	2201.3
12.5°	3267.2	3167.0	2954.2	2719.9	2488.8	2247.4	1995.7	1807.5	1678.6	1585.5	1571.2
15°	3173.1	3044.2	2762.9	2454.0	2138.9	1817.7	1496.5	1227.5	1078.2	986.1	980.0
17.5°	3089.2	2929.6	2564.5	2175.8	1780.9	1369.7	1000.4	798.9	713.0	673.1	669.0
20°	3008.4	2814.1	2361.9	1893.4	1390.1	961.5	690.5	597.4	569.8	553.4	555.4
22.5°	2930.7	2688.2	2149.2	1580.4	1042.4	675.1	535.0	499.2	496.1	498.2	499.2
25°	2865.2	2572.6	1930.3	1278.7	743.7	514.5	447.0	436.8	446.0	459.3	461.3
27.5°	2831.4	2478.5	1716.5	974.8	538.1	418.4	387.7	391.8	408.1	422.5	424.5
30°	2840.6	2408.0	1495.5	706.8	414.3	352.9	342.7	350.9	367.2	380.5	382.6
32.5°	2906.1	2372.2	1269.4	514.5	340.6	307.9	303.8	309.9	324.3	334.5	335.5
35°	3036.0	2380.3	1054.6	393.8	292.6	274.1	273.1	277.2	284.4	291.5	292.6
37.5°	3227.3	2446.8	842.9	327.3	264.9	251.6	247.5	247.5	252.7	255.7	257.8
40°	3432.9	2547.1	675.1	289.5	245.5	231.2	223.0	219.9	224.0	228.1	229.1
42.5°	3602.7	2647.3	548.3	262.9	230.2	210.7	200.5	198.4	203.6	210.7	212.8
45°	3732.6	2725.1	457.2	241.4	212.8	191.3	180.0	180.0	189.2	201.5	203.6
47.5°	3851.3	2787.5	389.7	222.0	196.4	173.9	162.6	164.7	180.0	196.4	199.5
50°	3932.1	2837.6	339.6	204.6	183.1	159.6	149.3	153.4	171.9	191.3	194.4
52.5°	4019.1	2899.0	306.9	189.2	170.8	148.3	139.1	142.2	162.6	184.1	188.2
55°	4259.4	3104.6	305.9	168.8	149.3	133.0	128.9	129.9	150.4	174.9	180.0
57.5°	4455.8	3285.6	326.3	142.2	124.8	116.6	114.6	115.6	134.0	161.6	167.8
60°	3686.6	2553.2	270.1	117.6	104.3	102.3	99.2	101.3	118.7	143.2	148.3
62.5°	2181.9	1459.7	128.9	90.0	89.0	86.9	83.9	88.0	104.3	125.8	128.9
65°	745.7	432.7	81.8	73.7	75.7	72.6	69.6	73.7	88.0	100.2	101.3
67.5°	143.2	114.6	65.5	61.4	62.4	56.3	55.2	59.3	67.5	69.6	68.5
70°	74.7	66.5	50.1	50.1	48.1	39.9	39.9	44.0	44.0	40.9	39.9
72.5°	38.9	36.8	32.7	36.8	30.7	24.6	24.6	26.6	24.6	20.5	20.5
75°	15.3	15.3	14.3	18.4	13.3	11.3	10.2	12.3	9.2	7.2	7.2
77.5°	4.1	4.1	4.1	5.1	3.1	3.1	2.0	2.0	1.0	0.0	0.0
80°	0.0	1.0	0.0	1.0	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

(END OF REPORT)