

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: P635837

Luminaire Tested: GWS-SA3E-750-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17724.5 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

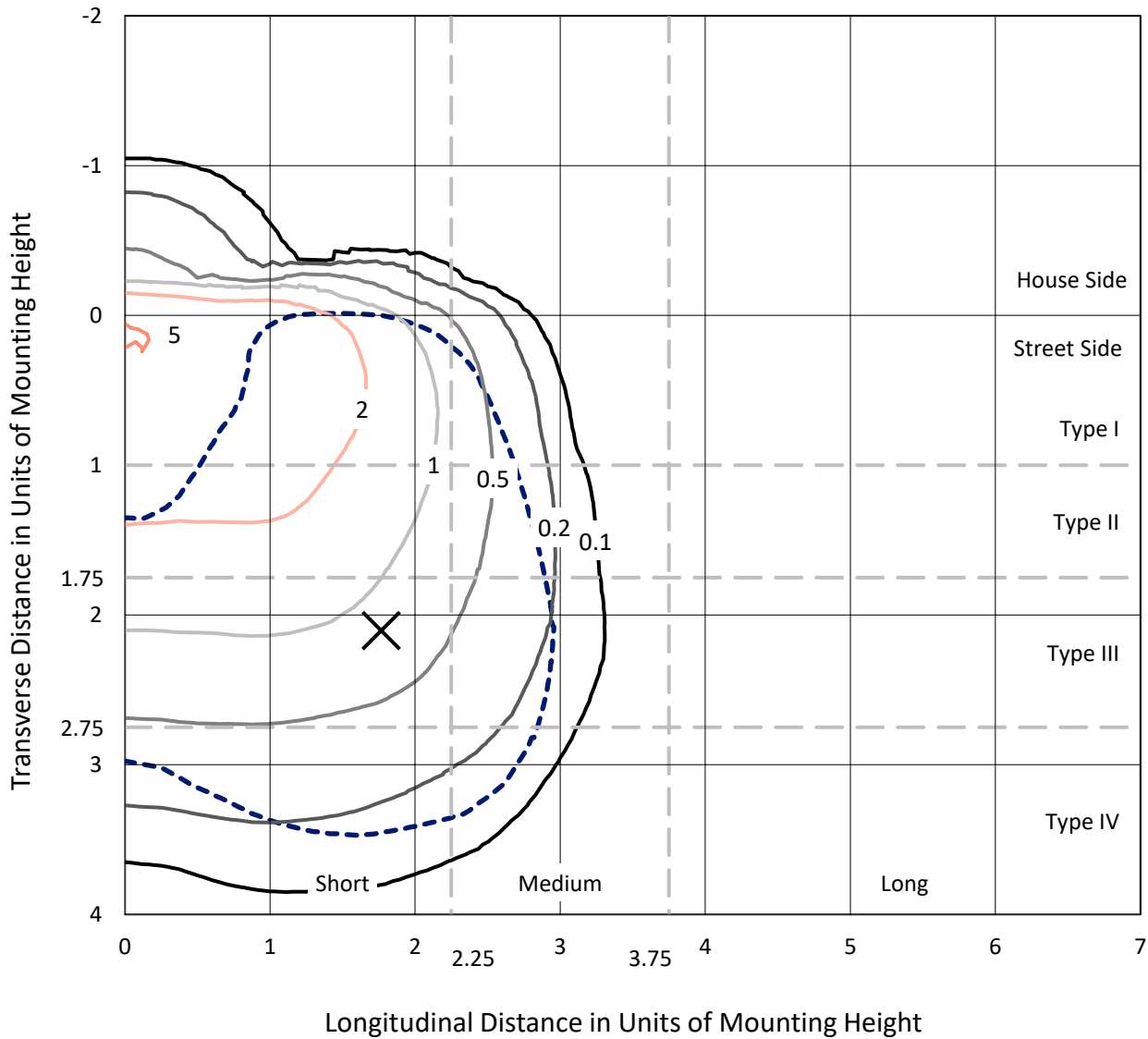
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

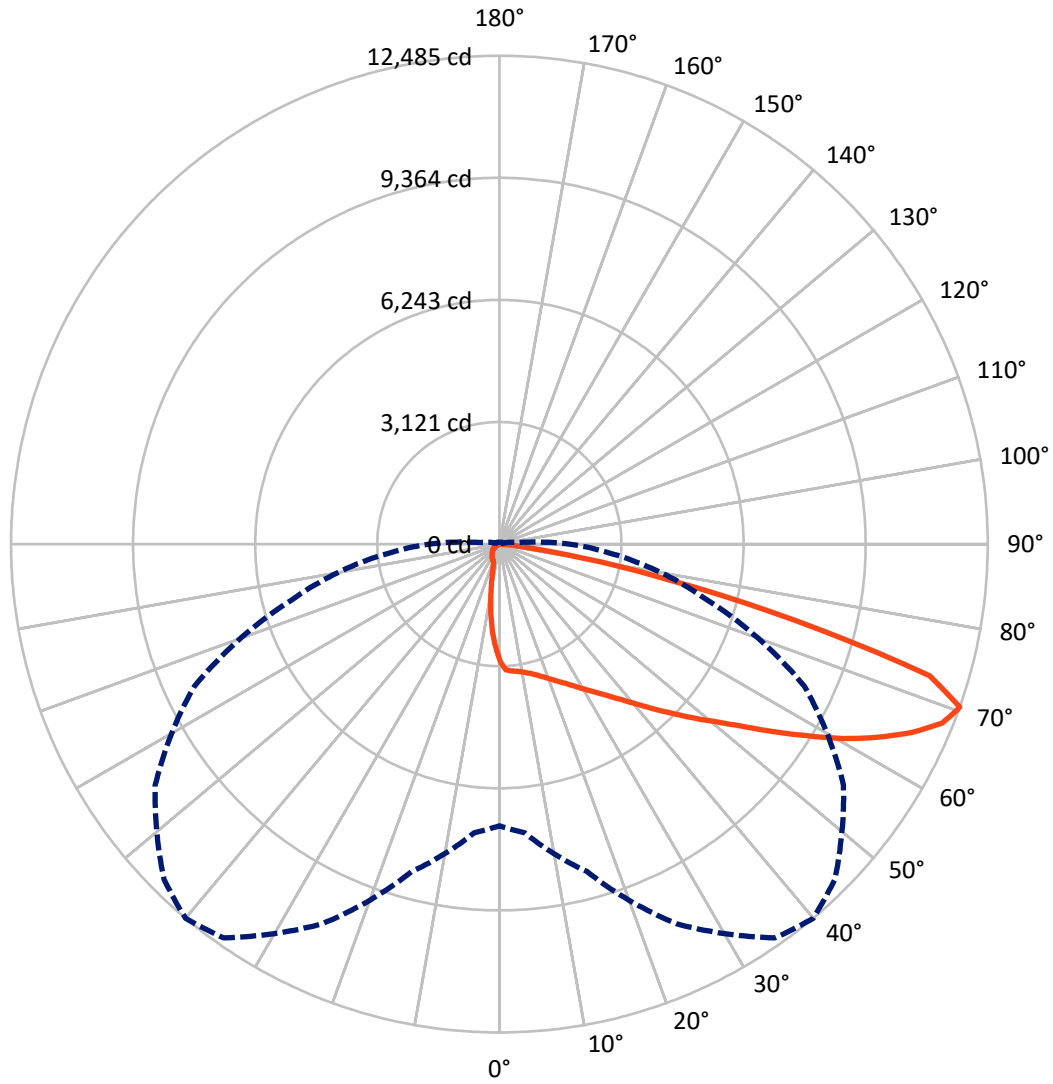
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1449.4	0.0	1449.4
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	16275.1	0.0	16275.1
	% Fixture	91.8	0.0	91.8
Total	Lumens	17724.5	0.0	17724.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.2	1.4
10°-20°	644.7	3.6
20°-30°	1079.1	6.1
30°-40°	1694.8	9.6
40°-50°	2680.8	15.1
50°-60°	3910.5	22.1
60°-70°	4847.7	27.4
70°-80°	2452.6	13.8
80°-90°	160.1	0.9
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°	17724.5	100.0
0°-180°	17724.5	100.0

Coefficient of Utilization

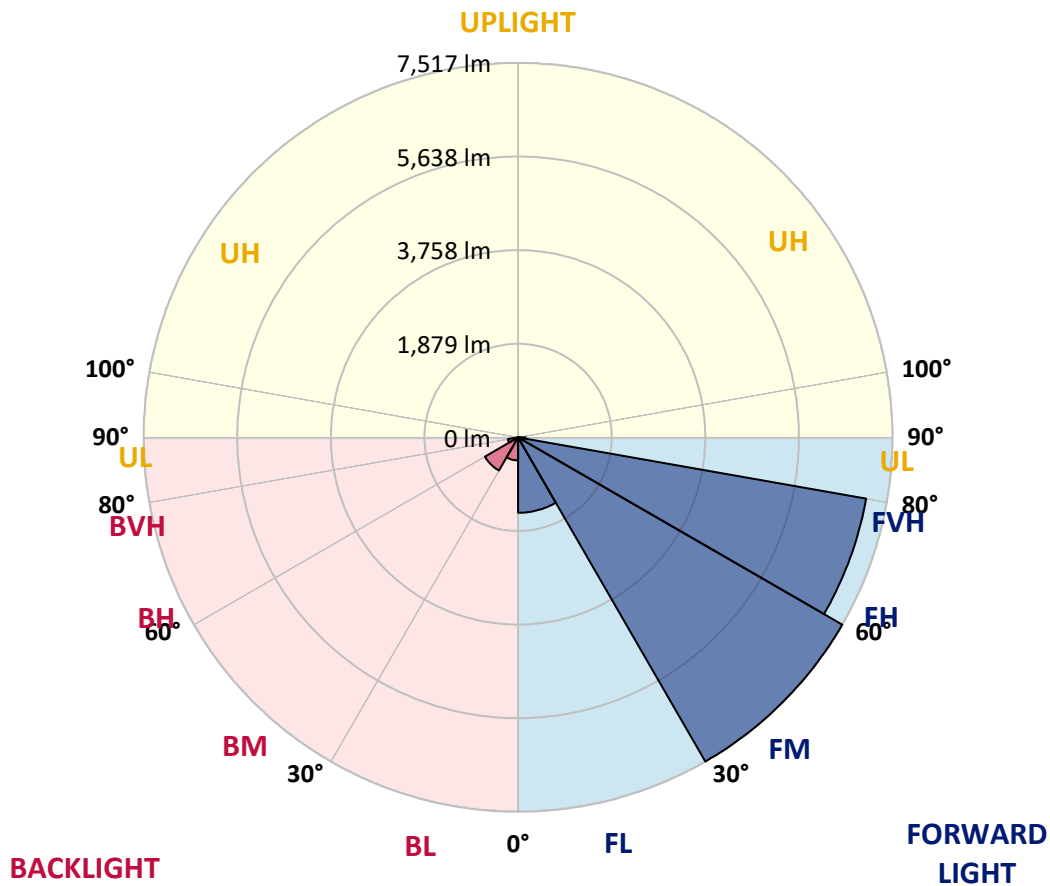


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1515.1	8.5			
FM (30°-60°)	7516.8	42.4			
FH (60°-80°)	7093.7	40.0			G3/7500
FVH (80°-90°)	149.5	0.8			G2/225
BL (0°-30°)	462.9	2.6	B1/500		
BM (30°-60°)	769.3	4.3	B1/1000		
BH (60°-80°)	206.7	1.2	B1/500		G1/500
BVH (80°-90°)	10.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3007.6	3007.6	3007.6	3007.6	3007.6	3007.6	3007.6	3007.6	3007.6	3007.6	3007.6
2.5°	3233.4	3244.7	3243.1	3247.9	3236.6	3218.9	3215.7	3191.5	3147.9	3093.1	3031.8
5°	3299.5	3312.4	3302.8	3297.9	3277.0	3257.6	3252.8	3227.0	3177.0	3102.8	2996.3
7.5°	3356.0	3359.2	3352.7	3341.5	3310.8	3285.0	3267.3	3231.8	3172.1	3097.9	2975.4
10°	3365.6	3364.0	3367.3	3368.9	3349.5	3326.9	3312.4	3264.1	3188.3	3109.2	2977.0
12.5°	3354.4	3354.4	3375.3	3399.5	3399.5	3388.2	3373.7	3330.2	3241.5	3147.9	3009.2
15°	3368.9	3373.7	3414.0	3459.2	3473.7	3462.4	3456.0	3410.8	3318.9	3215.7	3067.3
17.5°	3420.5	3425.3	3489.8	3557.6	3575.3	3562.4	3549.5	3504.3	3406.0	3293.1	3133.4
20°	3496.3	3509.2	3591.4	3678.5	3694.6	3678.5	3652.7	3589.8	3491.4	3376.9	3196.3
22.5°	3635.0	3643.0	3731.7	3823.6	3831.7	3805.9	3767.2	3680.1	3576.9	3465.6	3267.3
25°	3818.8	3830.1	3918.8	4007.5	3986.5	3947.8	3894.6	3796.2	3678.5	3570.5	3357.6
27.5°	4038.1	4051.0	4138.1	4215.5	4160.7	4115.5	4055.9	3933.3	3814.0	3715.6	3473.7
30°	4275.2	4286.5	4363.9	4433.2	4360.7	4307.4	4236.5	4110.7	3989.8	3915.6	3638.2
32.5°	4504.2	4502.6	4576.8	4633.2	4559.0	4517.1	4452.6	4325.2	4228.4	4196.2	3883.3
35°	4717.1	4717.1	4778.4	4834.8	4781.6	4759.0	4699.3	4597.7	4542.9	4581.6	4210.7
37.5°	4931.6	4920.3	4978.3	5041.2	5036.4	5038.0	5004.1	4955.7	4959.0	5096.0	4660.6
40°	5108.9	5104.1	5171.8	5254.1	5318.6	5370.2	5349.2	5367.0	5468.6	5725.0	5236.3
42.5°	5250.9	5262.2	5349.2	5479.9	5642.7	5747.6	5762.1	5834.7	6095.9	6492.6	5886.3
45°	5413.7	5415.4	5536.3	5736.3	5995.9	6162.0	6220.1	6407.1	6778.1	7289.3	6599.1
47.5°	5613.7	5594.4	5729.8	6010.4	6386.2	6631.3	6734.5	6968.4	7542.5	8066.6	7179.6
50°	5834.7	5799.2	5952.4	6334.6	6823.2	7129.6	7339.3	7681.2	8300.4	8705.2	7611.8
52.5°	6091.1	6057.2	6231.4	6707.1	7347.3	7719.9	7989.2	8334.3	8950.3	9192.2	7869.8
55°	6416.8	6383.0	6566.8	7153.8	7966.6	8450.4	8732.6	9022.9	9555.1	9551.9	8056.9
57.5°	6778.1	6731.3	6986.1	7718.3	8739.1	9242.2	9529.3	9671.2	10014.7	9830.9	8182.7
60°	7192.5	7150.6	7503.8	8390.7	9630.9	10096.9	10277.6	10219.5	10392.1	9995.3	8139.2
62.5°	7566.7	7547.3	7986.0	9103.5	10480.8	10874.3	10924.2	10671.1	10669.4	9998.6	7845.7
65°	7955.3	7992.4	8643.9	9924.4	11335.5	11600.0	11514.5	11119.4	10780.7	9603.5	6978.0
67.5°	8100.5	8208.5	9077.7	10666.2	12009.6	12216.0	12066.0	11343.5	10317.9	8274.6	5313.8
70°	7203.8	7407.0	8668.1	10708.1	12288.6	12485.3	12125.7	10740.4	8602.0	5481.5	2910.9
72.5°	5478.3	5715.3	7223.2	8768.1	11051.6	11500.0	10885.5	8750.4	5544.4	2401.3	977.3
75°	3065.7	3322.1	5379.9	6602.3	7419.9	7829.5	7603.8	5613.7	2456.1	627.3	291.9
77.5°	1036.9	1122.4	2502.9	4084.9	4897.7	4530.0	3834.9	2788.3	903.1	238.7	154.8
80°	614.4	646.7	932.1	2033.6	2577.1	2136.8	1686.9	1030.5	459.6	127.4	108.0
82.5°	183.8	217.7	514.4	754.7	1009.5	628.9	532.2	588.6	238.7	69.3	90.3
85°	0.0	0.0	109.7	233.8	264.5	103.2	103.2	333.8	43.5	29.0	66.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.1	4.8	6.5	14.5
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°	3007.6	3007.6	3007.6	3007.6	3007.6	3007.6	3007.6	3007.6	3007.6	3007.6	3007.6
2.5°	2988.3	2931.8	2865.7	2802.8	2743.2	2665.7	2628.7	2583.5	2544.8	2523.8	2535.1
5°	2928.6	2839.9	2704.5	2567.4	2428.7	2298.1	2180.3	2101.3	2030.4	1993.3	2001.3
7.5°	2877.0	2757.7	2546.4	2322.2	2099.7	1875.5	1693.3	1551.4	1441.7	1396.6	1388.5
10°	2854.4	2704.5	2406.1	2083.6	1741.7	1440.1	1182.1	1025.7	914.4	859.6	869.2
12.5°	2865.7	2677.0	2286.8	1849.7	1406.3	1054.7	807.9	661.2	582.2	549.9	541.9
15°	2898.0	2670.6	2180.3	1611.1	1085.3	737.0	558.0	498.3	482.2	479.0	479.0
17.5°	2935.1	2672.2	2070.7	1369.2	824.1	546.7	477.4	466.1	461.2	458.0	459.6
20°	2972.2	2672.2	1944.9	1124.0	619.3	472.5	454.8	446.7	441.9	440.3	440.3
22.5°	3017.3	2672.2	1804.6	896.6	496.7	448.3	433.8	429.0	424.1	422.5	420.9
25°	3072.1	2673.8	1649.8	701.5	451.5	427.4	416.1	411.2	406.4	403.2	403.2
27.5°	3151.2	2686.7	1478.8	546.7	425.7	408.0	398.3	393.5	388.7	383.8	383.8
30°	3265.7	2719.0	1286.9	451.5	401.6	387.0	377.4	374.1	369.3	364.5	362.9
32.5°	3436.6	2775.4	1088.6	404.8	379.0	364.5	353.2	350.0	345.1	340.3	338.7
35°	3675.3	2878.6	895.0	375.8	350.0	335.4	329.0	327.4	320.9	316.1	316.1
37.5°	4025.2	3046.3	709.6	346.7	325.8	314.5	306.4	303.2	296.7	291.9	290.3
40°	4452.6	3264.1	551.5	324.1	303.2	291.9	283.8	279.0	270.9	264.5	261.3
42.5°	4997.7	3530.1	435.4	300.0	282.2	270.9	264.5	254.8	243.5	233.8	232.2
45°	5565.3	3804.3	359.6	277.4	262.9	253.2	245.1	232.2	216.1	204.8	201.6
47.5°	6000.8	3975.2	314.5	253.2	241.9	233.8	224.2	208.0	188.7	175.8	172.6
50°	6312.0	4001.0	280.6	230.6	224.2	216.1	201.6	182.2	161.3	148.4	145.1
52.5°	6465.2	3884.9	253.2	209.6	204.8	196.7	179.0	158.0	135.5	122.6	119.3
55°	6534.6	3665.6	227.4	191.9	185.5	175.8	156.4	133.9	111.3	100.0	96.8
57.5°	6507.1	3341.5	204.8	174.2	166.1	154.8	133.9	109.7	91.9	80.6	79.0
60°	6303.9	2886.7	182.2	156.4	146.8	133.9	112.9	90.3	74.2	66.1	64.5
62.5°	5865.3	2322.2	159.7	135.5	129.0	116.1	96.8	74.2	61.3	56.4	54.8
65°	4967.0	1641.7	137.1	114.5	111.3	98.4	80.6	61.3	53.2	50.0	48.4
67.5°	3570.5	998.2	116.1	98.4	95.1	83.9	67.7	53.2	48.4	46.8	46.8
70°	1794.9	472.5	91.9	80.6	80.6	69.3	58.1	48.4	46.8	45.2	45.2
72.5°	609.6	201.6	69.3	62.9	66.1	59.7	50.0	45.2	45.2	45.2	45.2
75°	208.0	106.4	48.4	45.2	48.4	48.4	43.5	43.5	45.2	45.2	45.2
77.5°	135.5	71.0	33.9	30.6	37.1	37.1	37.1	40.3	43.5	43.5	43.5
80°	111.3	38.7	22.6	21.0	27.4	27.4	30.6	37.1	40.3	40.3	40.3
82.5°	95.1	24.2	12.9	14.5	19.4	21.0	25.8	30.6	35.5	37.1	37.1
85°	64.5	12.9	9.7	11.3	12.9	16.1	21.0	25.8	29.0	32.3	32.3
87.5°	17.7	4.8	6.5	8.1	8.1	11.3	16.1	19.4	22.6	24.2	24.2
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)