

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: P635824

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18864.6 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

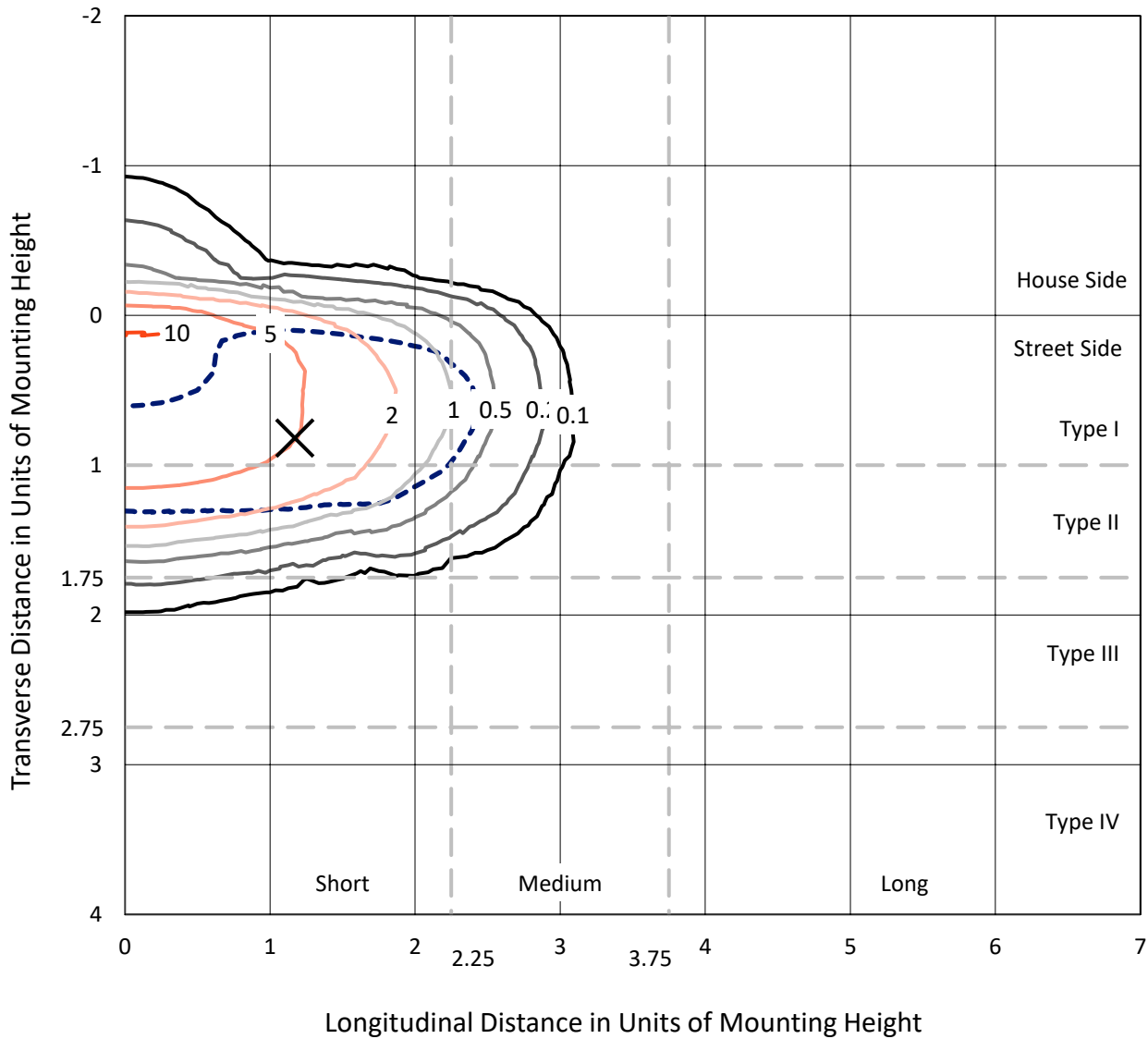
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

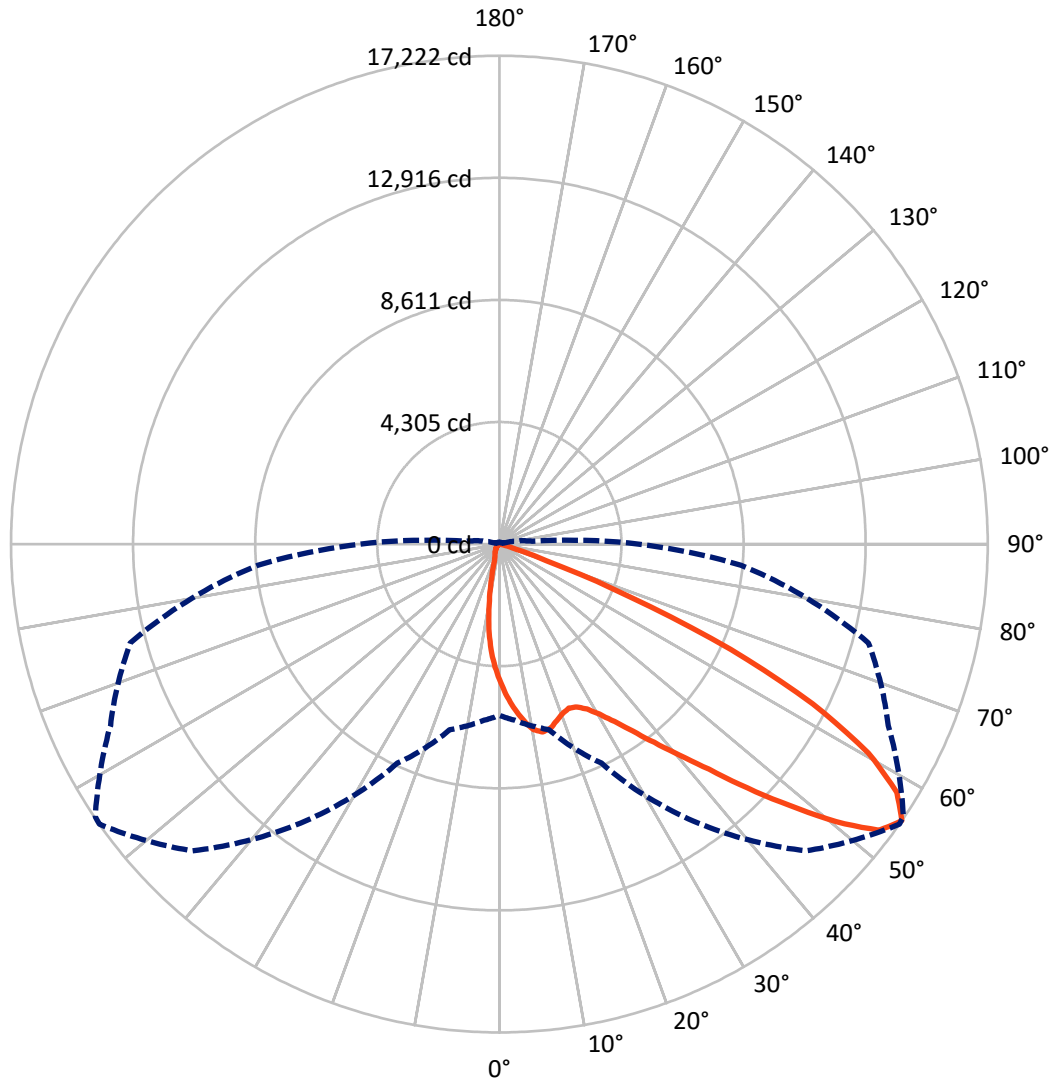
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1164.0	0.0	1164.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	17700.6	0.0	17700.6
	% Fixture	93.8	0.0	93.8
Total	Lumens	18864.6	0.0	18864.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.7	2.3
10°-20°	1038.4	5.5
20°-30°	1729.3	9.2
30°-40°	2946.8	15.6
40°-50°	4810.2	25.5
50°-60°	5036.1	26.7
60°-70°	2540.1	13.5
70°-80°	320.8	1.7
80°-90°	12.2	0.1
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°	18864.6	100.0
0°-180°	18864.6	100.0

Coefficient of Utilization



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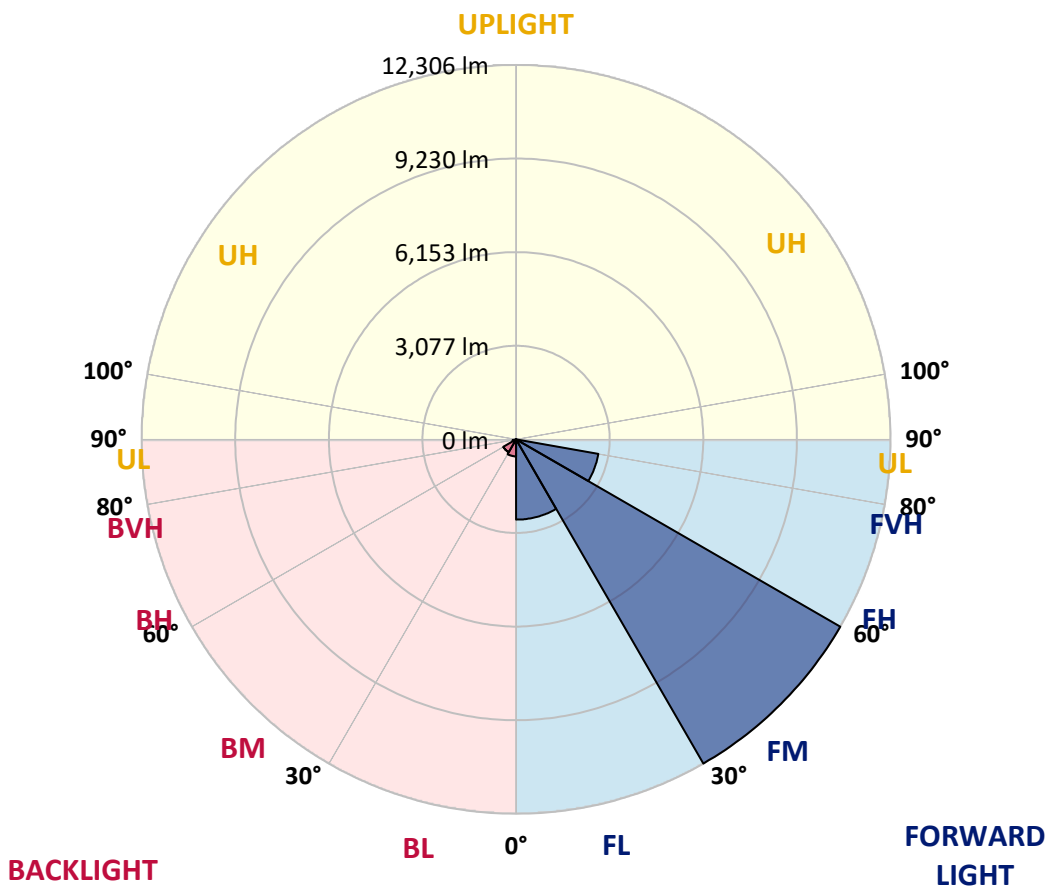
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2638.9	14.0			
FM (30°-60°)	12306.4	65.2			
FH (60°-80°)	2744.2	14.5			G2/5000
FVH (80°-90°)	11.1	0.1			G1/100
BL (0°-30°)	559.5	3.0	B2/1000		
BM (30°-60°)	486.7	2.6	B1/1000		
BH (60°-80°)	116.8	0.6	B1/500		G1/500
BVH (80°-90°)	1.1	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4873.5	4873.5	4873.5	4873.5	4873.5	4873.5	4873.5	4873.5	4873.5	4873.5	4873.5
2.5°	5681.5	5654.0	5696.0	5647.6	5565.3	5496.0	5405.7	5373.4	5228.3	5091.2	4959.0
5°	6371.7	6379.7	6366.8	6299.1	6183.0	6054.0	5871.8	5831.4	5578.2	5317.0	5034.8
7.5°	6542.6	6537.8	6565.2	6591.0	6571.7	6507.1	6308.8	6268.5	5954.0	5562.1	5150.9
10°	6015.3	6018.5	6075.0	6249.1	6465.2	6689.4	6658.7	6636.2	6328.1	5839.5	5279.9
12.5°	5270.2	5299.3	5358.9	5607.3	5973.4	6483.0	6799.0	6821.6	6671.6	6144.3	5431.5
15°	4947.7	4954.1	5002.5	5152.5	5425.0	6054.0	6739.4	6802.3	6958.7	6450.7	5596.0
17.5°	4939.6	4947.7	4968.7	5034.8	5212.2	5716.9	6547.5	6657.1	7174.8	6779.7	5792.7
20°	5242.8	5238.0	5223.5	5188.0	5265.4	5605.7	6370.1	6491.0	7292.5	7100.6	5991.1
22.5°	5792.7	5786.3	5721.8	5575.0	5512.1	5707.3	6283.0	6392.6	7363.5	7386.1	6154.0
25°	6426.5	6471.7	6350.7	6128.2	5973.4	5966.9	6360.4	6437.8	7424.8	7639.2	6265.2
27.5°	7121.6	7136.1	7032.9	6782.9	6558.8	6383.0	6584.6	6642.6	7492.5	7865.0	6328.1
30°	7884.4	7879.5	7761.8	7471.5	7199.0	6945.8	6961.9	6984.5	7650.5	8123.1	6397.5
32.5°	8837.5	8858.4	8648.8	8253.7	7926.3	7576.4	7455.4	7458.6	7936.0	8455.3	6502.3
35°	10132.4	10080.8	9803.5	9240.6	8682.6	8305.3	8098.9	8081.1	8376.2	8902.0	6684.5
37.5°	11366.1	11371.0	11080.7	10461.4	9756.7	9161.6	8869.7	8821.3	8995.5	9521.2	6987.7
40°	12222.5	12238.6	12117.6	11793.5	11046.8	10205.0	9776.0	9726.1	9798.6	10305.0	7384.4
42.5°	12675.6	12720.8	12754.7	12830.5	12264.4	11508.1	10848.5	10843.6	10767.8	11198.4	7844.1
45°	12693.4	12761.1	12967.5	13485.2	13549.7	12994.9	12277.3	12169.3	11877.4	12154.7	8255.3
47.5°	11991.9	12148.3	12586.9	13612.6	14289.9	14473.8	13762.6	13696.5	12877.2	12911.1	8563.3
50°	10356.6	10519.5	11327.4	12959.5	14477.0	15647.8	15393.0	15255.9	13712.6	13411.0	8711.7
52.5°	8679.4	8827.8	9376.1	11404.8	13701.3	16017.1	16767.0	16604.1	14462.5	13585.2	8650.4
55°	6039.5	6237.8	6773.2	8524.6	11914.5	15297.8	17221.8	17187.9	15131.7	13475.5	8555.2
57.5°	2960.9	3157.6	3691.4	5255.7	8826.2	13356.2	16526.7	16705.7	15531.7	13357.8	8477.8
60°	1236.9	1317.6	1501.4	2306.1	4938.0	10093.7	14957.6	15205.9	15286.6	13198.1	8469.8
62.5°	717.6	730.5	749.9	956.3	1920.7	5786.3	12407.9	12761.1	13998.0	12986.9	8342.4
65°	541.9	546.7	538.6	587.0	793.4	2194.9	8964.9	9445.4	11683.8	12161.2	7839.2
67.5°	445.1	445.1	424.1	433.8	498.3	822.5	4949.3	5620.2	8645.6	9995.4	6473.3
70°	354.8	362.9	353.2	340.3	356.4	454.8	1761.0	2183.6	5034.8	5902.4	3775.3
72.5°	269.3	269.3	285.4	275.8	264.5	285.4	614.4	690.2	2020.7	2460.9	1362.7
75°	208.0	214.5	225.8	216.1	200.0	169.3	295.1	312.9	609.6	572.5	304.8
77.5°	106.4	108.0	143.5	158.0	148.4	103.2	129.0	141.9	198.4	177.4	112.9
80°	64.5	67.7	80.6	124.2	98.4	54.8	53.2	56.4	93.5	80.6	46.8
82.5°	27.4	29.0	45.2	45.2	40.3	21.0	21.0	21.0	45.2	41.9	19.4
85°	0.0	0.0	8.1	6.5	6.5	8.1	8.1	8.1	11.3	16.1	9.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	4.8
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°	4873.5	4873.5	4873.5	4873.5	4873.5	4873.5	4873.5	4873.5	4873.5	4873.5	4873.5
2.5°	4873.5	4770.3	4631.6	4505.8	4336.5	4241.3	4109.1	4001.0	3909.1	3880.1	3867.2
5°	4875.1	4697.7	4401.0	4104.3	3739.8	3452.7	3157.6	2923.8	2731.9	2670.6	2654.5
7.5°	4907.4	4646.1	4165.5	3626.9	3017.3	2514.2	2064.2	1661.1	1474.0	1411.1	1398.2
10°	4950.9	4602.6	3893.0	3054.4	2178.7	1532.0	1085.3	827.3	704.7	637.0	646.7
12.5°	5007.4	4567.1	3591.4	2435.1	1441.7	841.8	596.7	499.9	474.1	461.2	454.8
15°	5083.2	4525.2	3217.3	1820.7	883.7	541.9	459.6	433.8	424.1	417.7	416.1
17.5°	5160.6	4476.8	2836.7	1280.5	587.0	449.9	412.8	399.9	393.5	388.7	387.0
20°	5242.8	4394.5	2390.0	882.1	462.8	404.8	380.6	366.1	358.0	350.0	348.3
22.5°	5278.3	4262.3	1962.6	617.7	411.2	372.5	341.9	324.1	314.5	308.0	308.0
25°	5244.4	4047.8	1520.8	469.3	374.1	337.0	306.4	287.1	279.0	272.5	272.5
27.5°	5154.1	3772.0	1109.5	388.7	333.8	300.0	270.9	253.2	246.7	243.5	243.5
30°	5054.1	3423.7	782.1	333.8	288.7	261.3	237.1	225.8	224.2	220.9	220.9
32.5°	4968.7	3098.0	538.6	293.5	254.8	227.4	211.3	206.4	208.0	204.8	206.4
35°	4921.9	2778.6	399.9	261.3	227.4	201.6	193.5	193.5	193.5	191.9	191.9
37.5°	4941.2	2464.2	325.8	238.7	203.2	183.8	175.8	179.0	182.2	182.2	182.2
40°	5038.0	2185.2	288.7	217.7	182.2	167.7	161.3	166.1	170.9	174.2	174.2
42.5°	5160.6	1959.4	261.3	200.0	167.7	151.6	148.4	153.2	158.0	161.3	161.3
45°	5238.0	1732.0	233.8	177.4	153.2	133.9	133.9	140.3	138.7	140.3	140.3
47.5°	5273.5	1551.4	206.4	153.2	130.6	116.1	117.7	121.0	117.7	121.0	121.0
50°	5186.4	1369.2	182.2	127.4	108.0	101.6	104.8	103.2	103.2	109.7	109.7
52.5°	5026.7	1233.7	161.3	108.0	91.9	90.3	93.5	87.1	88.7	88.7	87.1
55°	4909.0	1156.3	143.5	93.5	79.0	80.6	79.0	67.7	61.3	54.8	53.2
57.5°	4850.9	1125.6	130.6	83.9	71.0	71.0	64.5	46.8	35.5	27.4	24.2
60°	4838.0	1088.6	117.7	72.6	62.9	59.7	46.8	27.4	17.7	12.9	11.3
62.5°	4715.5	998.2	106.4	58.1	54.8	48.4	29.0	16.1	9.7	6.5	4.8
65°	4313.9	820.9	95.1	45.2	41.9	35.5	17.7	9.7	4.8	1.6	0.0
67.5°	3431.8	582.2	83.9	33.9	29.0	22.6	11.3	6.5	1.6	0.0	0.0
70°	1978.8	314.5	69.3	24.2	19.4	14.5	8.1	3.2	0.0	0.0	0.0
72.5°	661.2	146.8	53.2	16.1	14.5	11.3	4.8	1.6	0.0	0.0	0.0
75°	145.1	87.1	35.5	11.3	9.7	8.1	3.2	0.0	0.0	0.0	0.0
77.5°	54.8	61.3	17.7	8.1	6.5	4.8	1.6	0.0	0.0	0.0	0.0
80°	21.0	40.3	8.1	4.8	4.8	1.6	0.0	0.0	0.0	0.0	0.0
82.5°	11.3	16.1	4.8	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.5	8.1	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	1.6	1.6	1.6	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)