

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: P634339

Luminaire Tested: GWS-SA3B-750-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634339
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-SA3B-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: 8922.5 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

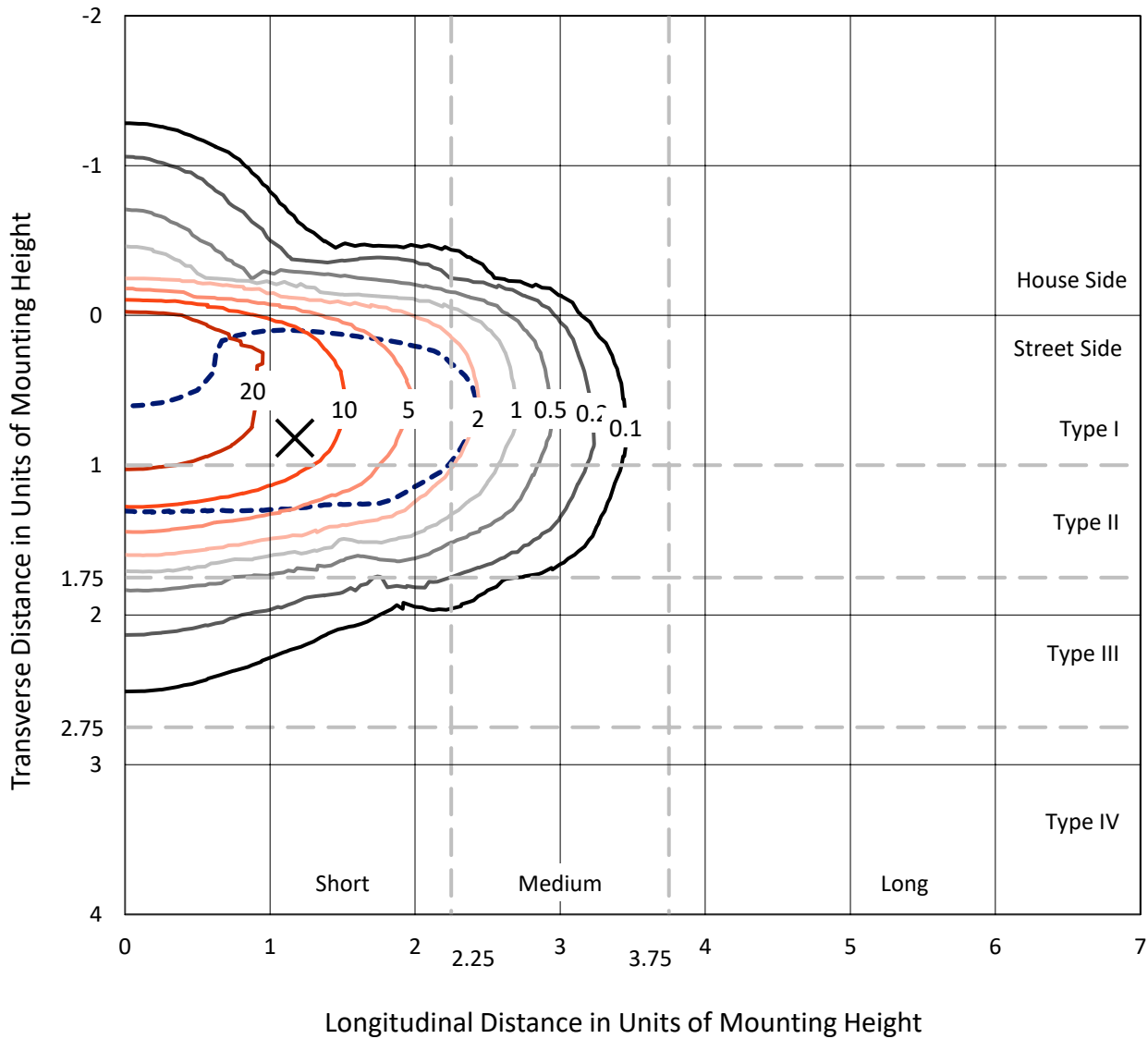
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

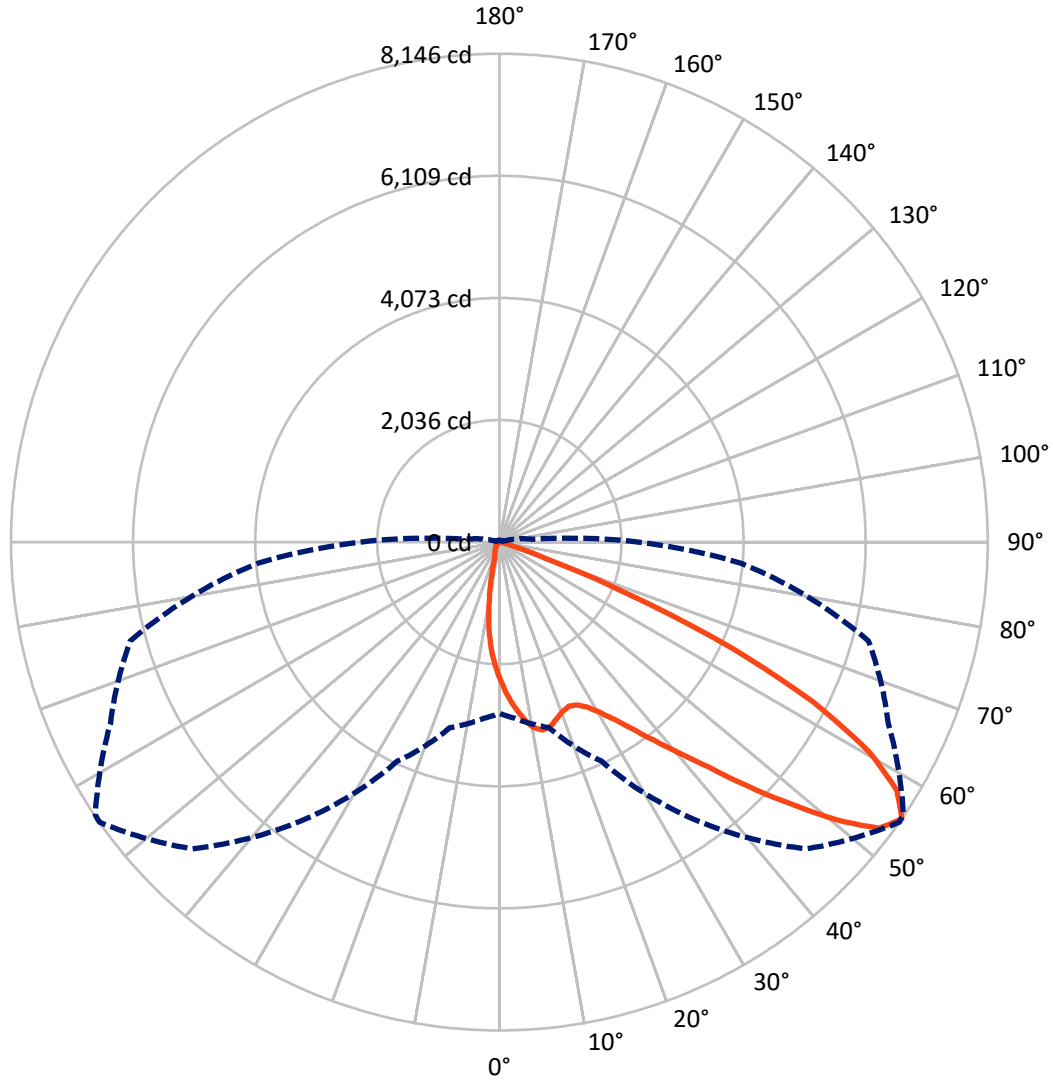
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30.2 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	550.6	0.0	550.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	8371.9	0.0	8371.9
	% Fixture	93.8	0.0	93.8
Total	Lumens	8922.5	0.0	8922.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.7	2.3
10°-20°	491.1	5.5
20°-30°	817.9	9.2
30°-40°	1393.8	15.6
40°-50°	2275.1	25.5
50°-60°	2381.9	26.7
60°-70°	1201.4	13.5
70°-80°	151.8	1.7
80°-90°	5.8	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°	8922.5	100.0
0°-180°	8922.5	100.0

Coefficient of Utilization



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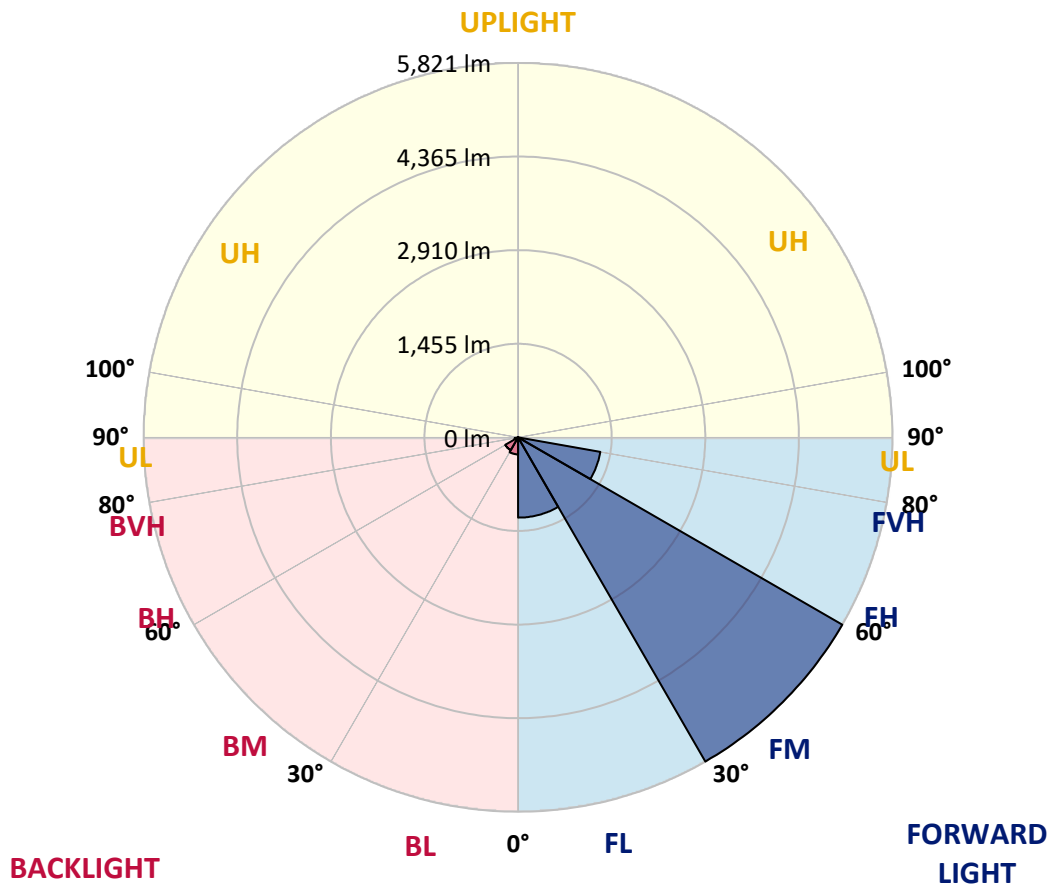
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1248.1	14.0			
FM (30°-60°)	5820.6	65.2			
FH (60°-80°)	1297.9	14.5			G1/1800
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	264.6	3.0	B1/500		
BM (30°-60°)	230.2	2.6	B1/1000		
BH (60°-80°)	55.2	0.6	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1
2.5°	2687.2	2674.2	2694.1	2671.2	2632.3	2599.5	2556.8	2541.5	2472.9	2408.0	2345.5
5°	3013.7	3017.5	3011.4	2979.3	2924.4	2863.4	2777.2	2758.1	2638.4	2514.8	2381.3
7.5°	3094.5	3092.2	3105.2	3117.4	3108.2	3077.7	2983.9	2964.8	2816.1	2630.7	2436.2
10°	2845.1	2846.6	2873.3	2955.7	3057.9	3163.9	3149.4	3138.7	2993.1	2761.9	2497.3
12.5°	2492.7	2506.4	2534.6	2652.1	2825.3	3066.3	3215.8	3226.5	3155.5	2906.1	2569.0
15°	2340.1	2343.2	2366.1	2437.0	2565.9	2863.4	3187.6	3217.3	3291.3	3051.0	2646.8
17.5°	2336.3	2340.1	2350.1	2381.3	2465.2	2704.0	3096.8	3148.7	3393.5	3206.6	2739.8
20°	2479.7	2477.4	2470.6	2453.8	2490.4	2651.3	3012.9	3070.1	3449.2	3358.4	2833.6
22.5°	2739.8	2736.8	2706.3	2636.9	2607.1	2699.4	2971.7	3023.6	3482.7	3493.4	2910.7
25°	3039.6	3060.9	3003.7	2898.5	2825.3	2822.2	3008.3	3044.9	3511.7	3613.2	2963.3
27.5°	3368.3	3375.2	3326.4	3208.2	3102.1	3019.0	3114.3	3141.8	3543.8	3720.0	2993.1
30°	3729.1	3726.8	3671.1	3533.9	3404.9	3285.2	3292.8	3303.5	3618.5	3842.0	3025.9
32.5°	4179.9	4189.8	4090.7	3903.8	3749.0	3583.4	3526.2	3527.8	3753.5	3999.1	3075.4
35°	4792.4	4768.0	4636.8	4370.6	4106.7	3928.2	3830.6	3822.2	3961.8	4210.4	3161.6
37.5°	5375.9	5378.2	5240.9	4948.0	4614.7	4333.2	4195.2	4172.3	4254.7	4503.3	3305.0
40°	5780.9	5788.6	5731.4	5578.0	5224.9	4826.7	4623.8	4600.2	4634.5	4874.0	3492.7
42.5°	5995.3	6016.6	6032.6	6068.5	5800.8	5443.0	5131.1	5128.8	5092.9	5296.6	3710.0
45°	6003.7	6035.7	6133.3	6378.2	6408.7	6146.3	5806.9	5755.8	5617.7	5748.9	3904.6
47.5°	5671.9	5745.8	5953.3	6438.4	6758.8	6845.7	6509.4	6478.1	6090.6	6106.6	4050.2
50°	4898.4	4975.5	5357.6	6129.5	6847.3	7401.0	7280.5	7215.7	6485.7	6343.1	4120.4
52.5°	4105.2	4175.3	4434.7	5394.2	6480.4	7575.7	7930.4	7853.3	6840.4	6425.5	4091.4
55°	2856.5	2950.3	3203.6	4031.9	5635.2	7235.5	8145.5	8129.5	7156.9	6373.6	4046.4
57.5°	1400.4	1493.5	1746.0	2485.8	4174.6	6317.2	7816.7	7901.4	7346.1	6317.9	4009.8
60°	585.0	623.2	710.1	1090.7	2335.6	4774.1	7074.6	7192.0	7230.2	6242.4	4006.0
62.5°	339.4	345.5	354.7	452.3	908.4	2736.8	5868.7	6035.7	6620.7	6142.5	3945.7
65°	256.3	258.6	254.8	277.6	375.3	1038.1	4240.2	4467.5	5526.2	5751.9	3707.8
67.5°	210.5	210.5	200.6	205.2	235.7	389.0	2340.9	2658.2	4089.1	4727.6	3061.7
70°	167.8	171.6	167.0	160.9	168.6	215.1	832.9	1032.8	2381.3	2791.7	1785.6
72.5°	127.4	127.4	135.0	130.4	125.1	135.0	290.6	326.5	955.7	1164.0	644.5
75°	98.4	101.4	106.8	102.2	94.6	80.1	139.6	148.0	288.3	270.8	144.2
77.5°	50.3	51.1	67.9	74.8	70.2	48.8	61.0	67.1	93.8	83.9	53.4
80°	30.5	32.0	38.1	58.7	46.5	25.9	25.2	26.7	44.2	38.1	22.1
82.5°	13.0	13.7	21.4	21.4	19.1	9.9	9.9	9.9	21.4	19.8	9.2
85°	0.0	0.0	3.8	3.1	3.1	3.8	3.8	3.8	5.3	7.6	4.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.3	2.3
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°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1
2.5°	2305.1	2256.2	2190.6	2131.1	2051.1	2006.1	1943.5	1892.4	1848.9	1835.2	1829.1
5°	2305.8	2221.9	2081.6	1941.2	1768.8	1633.1	1493.5	1382.9	1292.1	1263.1	1255.5
7.5°	2321.1	2197.5	1970.2	1715.4	1427.1	1189.1	976.3	785.6	697.2	667.4	661.3
10°	2341.7	2176.9	1841.3	1444.7	1030.5	724.6	513.3	391.3	333.3	301.3	305.9
12.5°	2368.4	2160.1	1698.7	1151.8	681.9	398.2	282.2	236.5	224.3	218.1	215.1
15°	2404.2	2140.3	1521.7	861.2	418.0	256.3	217.4	205.2	200.6	197.6	196.8
17.5°	2440.8	2117.4	1341.7	605.6	277.6	212.8	195.3	189.2	186.1	183.8	183.1
20°	2479.7	2078.5	1130.4	417.2	218.9	191.5	180.0	173.1	169.3	165.5	164.8
22.5°	2496.5	2016.0	928.3	292.1	194.5	176.2	161.7	153.3	148.7	145.7	145.7
25°	2480.5	1914.5	719.3	222.0	177.0	159.4	144.9	135.8	132.0	128.9	128.9
27.5°	2437.8	1784.1	524.8	183.8	157.9	141.9	128.1	119.8	116.7	115.2	115.2
30°	2390.5	1619.3	369.9	157.9	136.5	123.6	112.1	106.8	106.0	104.5	104.5
32.5°	2350.1	1465.3	254.8	138.8	120.5	107.5	99.9	97.6	98.4	96.9	97.6
35°	2327.9	1314.2	189.2	123.6	107.5	95.3	91.5	91.5	91.5	90.8	90.8
37.5°	2337.1	1165.5	154.1	112.9	96.1	87.0	83.1	84.7	86.2	86.2	86.2
40°	2382.9	1033.5	136.5	103.0	86.2	79.3	76.3	78.6	80.9	82.4	82.4
42.5°	2440.8	926.7	123.6	94.6	79.3	71.7	70.2	72.5	74.8	76.3	76.3
45°	2477.4	819.2	110.6	83.9	72.5	63.3	63.3	66.4	65.6	66.4	66.4
47.5°	2494.2	733.8	97.6	72.5	61.8	54.9	55.7	57.2	55.7	57.2	57.2
50°	2453.0	647.6	86.2	60.3	51.1	48.1	49.6	48.8	48.8	51.9	51.9
52.5°	2377.5	583.5	76.3	51.1	43.5	42.7	44.2	41.2	42.0	42.0	41.2
55°	2321.8	546.9	67.9	44.2	37.4	38.1	37.4	32.0	29.0	25.9	25.2
57.5°	2294.4	532.4	61.8	39.7	33.6	33.6	30.5	22.1	16.8	13.0	11.4
60°	2288.3	514.9	55.7	34.3	29.7	28.2	22.1	13.0	8.4	6.1	5.3
62.5°	2230.3	472.1	50.3	27.5	25.9	22.9	13.7	7.6	4.6	3.1	2.3
65°	2040.4	388.2	45.0	21.4	19.8	16.8	8.4	4.6	2.3	0.8	0.0
67.5°	1623.1	275.4	39.7	16.0	13.7	10.7	5.3	3.1	0.8	0.0	0.0
70°	935.9	148.7	32.8	11.4	9.2	6.9	3.8	1.5	0.0	0.0	0.0
72.5°	312.7	69.4	25.2	7.6	6.9	5.3	2.3	0.8	0.0	0.0	0.0
75°	68.6	41.2	16.8	5.3	4.6	3.8	1.5	0.0	0.0	0.0	0.0
77.5°	25.9	29.0	8.4	3.8	3.1	2.3	0.8	0.0	0.0	0.0	0.0
80°	9.9	19.1	3.8	2.3	2.3	0.8	0.0	0.0	0.0	0.0	0.0
82.5°	5.3	7.6	2.3	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.1	3.8	1.5	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	0.8	0.8	0.8	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)