

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: P634394

Luminaire Tested: GWS-SA3B-760-U-AFL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634394  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

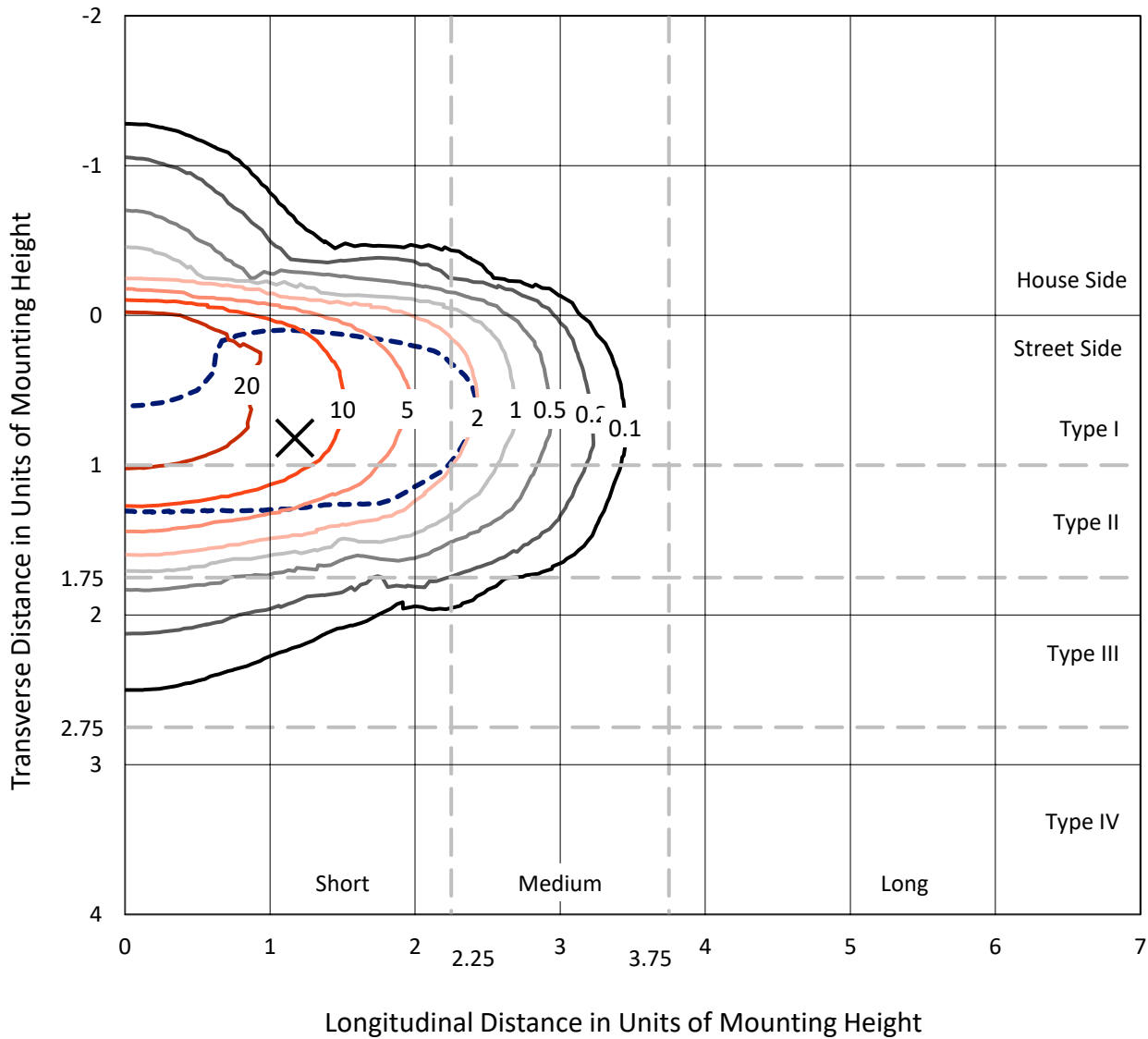
Lumens per Lamp: N/A  
Luminaire Lumens: 8800.2 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

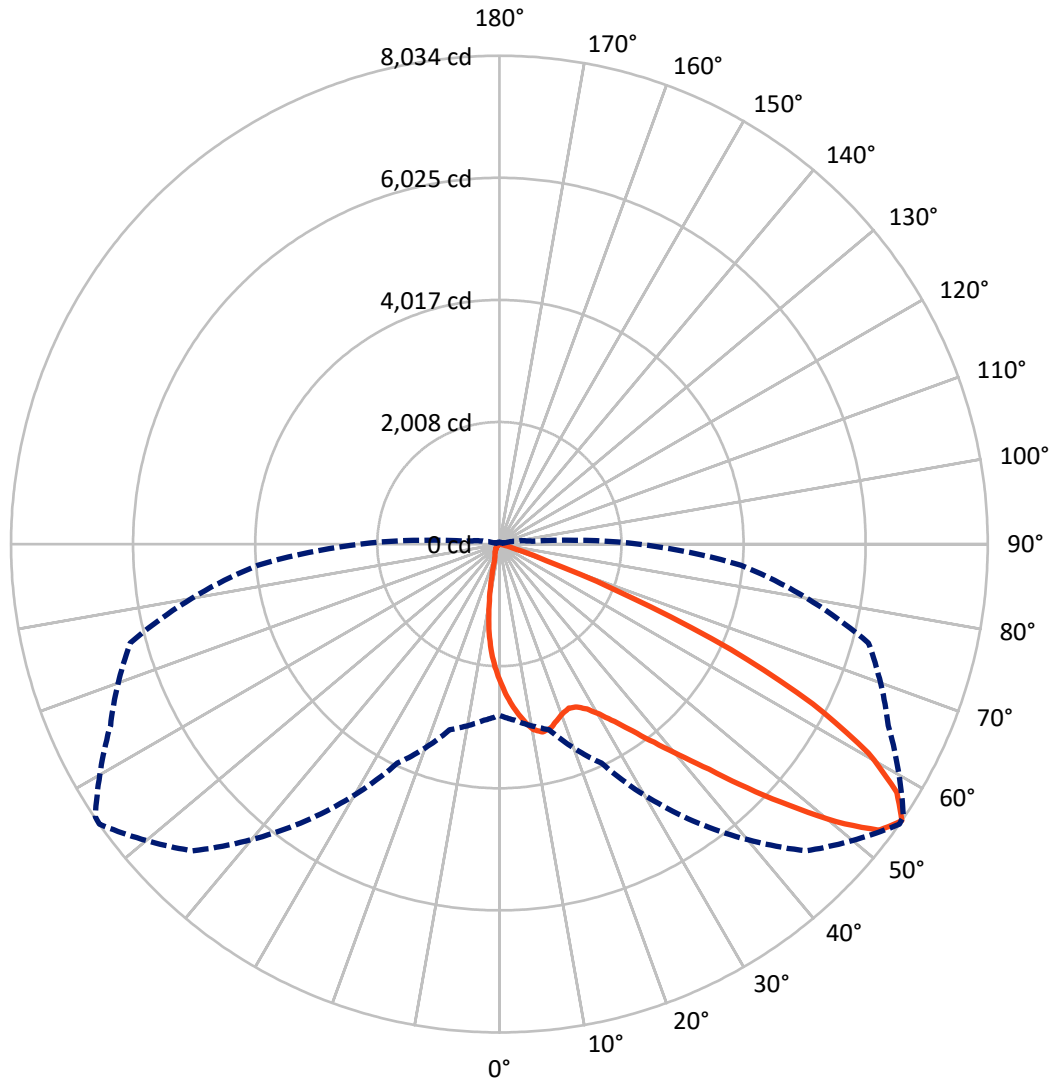
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.8 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
<b>House Side</b>	Lumens	543.0	0.0	543.0
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	8257.2	0.0	8257.2
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	8800.2	0.0	8800.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.9	2.3
10°-20°	484.4	5.5
20°-30°	806.7	9.2
30°-40°	1374.7	15.6
40°-50°	2243.9	25.5
50°-60°	2349.3	26.7
60°-70°	1184.9	13.5
70°-80°	149.7	1.7
80°-90°	5.7	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°	8800.2	100.0
0°-180°	8800.2	100.0

**Coefficient of Utilization**



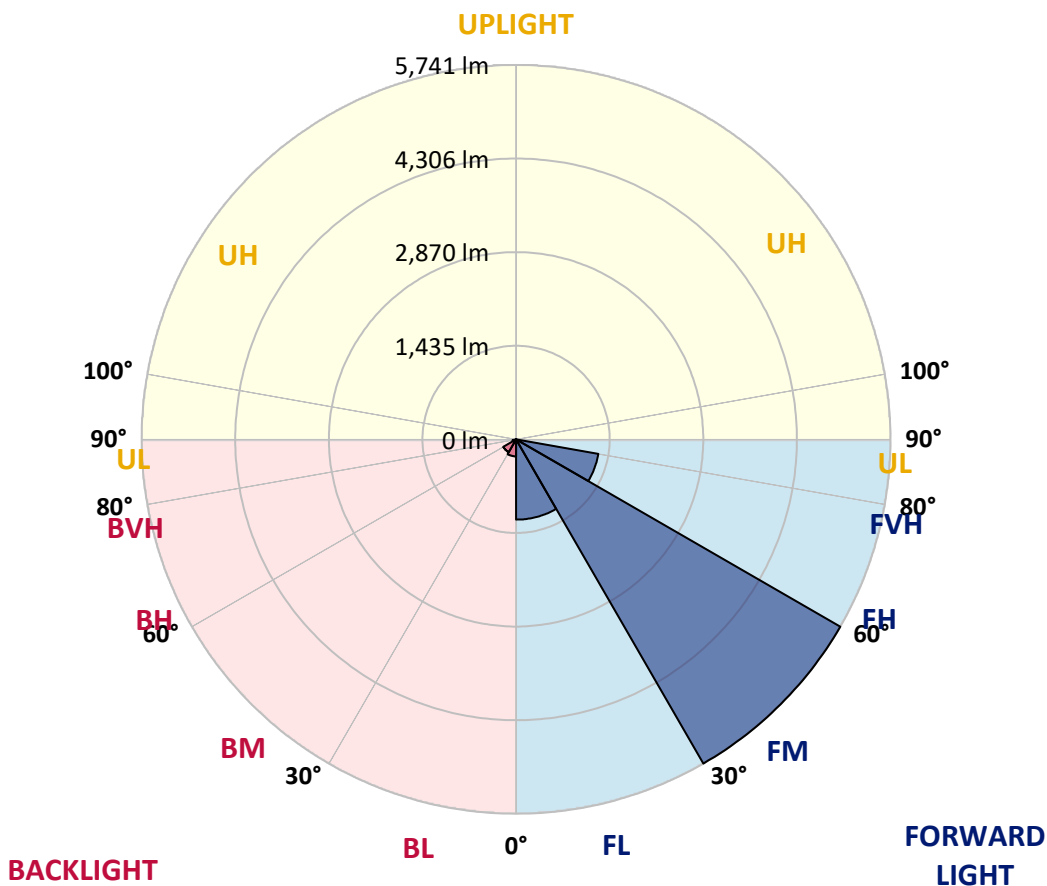
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1231.0	14.0			
FM (30°-60°)	5740.9	65.2			
FH (60°-80°)	1280.1	14.5			G1/1800
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	261.0	3.0	B1/500		
BM (30°-60°)	227.0	2.6	B1/1000		
BH (60°-80°)	54.5	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°	2273.5	2273.5	2273.5	2273.5	2273.5	2273.5	2273.5	2273.5	2273.5	2273.5	2273.5
2.5°	2650.4	2637.6	2657.1	2634.6	2596.2	2563.8	2521.7	2506.7	2439.0	2375.0	2313.3
5°	2972.3	2976.1	2970.1	2938.5	2884.3	2824.1	2739.1	2720.3	2602.2	2480.3	2348.7
7.5°	3052.1	3049.8	3062.6	3074.7	3065.6	3035.5	2943.0	2924.2	2777.5	2594.7	2402.9
10°	2806.1	2807.6	2833.9	2915.2	3016.0	3120.5	3106.3	3095.7	2952.0	2724.1	2463.0
12.5°	2458.5	2472.1	2499.9	2615.8	2786.5	3024.3	3171.7	3182.2	3112.3	2866.3	2533.8
15°	2308.1	2311.1	2333.6	2403.6	2530.7	2824.1	3143.9	3173.2	3246.2	3009.2	2610.5
17.5°	2304.3	2308.1	2317.8	2348.7	2431.4	2666.9	3054.3	3105.5	3347.0	3162.7	2702.3
20°	2445.7	2443.5	2436.7	2420.2	2456.3	2615.0	2971.6	3028.0	3401.9	3312.4	2794.8
22.5°	2702.3	2699.3	2669.2	2600.7	2571.4	2662.4	2931.0	2982.1	3435.0	3445.5	2870.8
25°	2997.9	3019.0	2962.6	2858.7	2786.5	2783.5	2967.1	3003.2	3463.6	3563.7	2922.7
27.5°	3322.2	3328.9	3280.8	3164.2	3059.6	2977.6	3071.6	3098.7	3495.2	3669.0	2952.0
30°	3678.0	3675.7	3620.8	3485.4	3358.3	3240.2	3247.7	3258.2	3568.9	3789.3	2984.4
32.5°	4122.6	4132.4	4034.6	3850.3	3697.6	3534.3	3477.9	3479.4	3702.1	3944.3	3033.3
35°	4726.7	4702.6	4573.2	4310.7	4050.4	3874.4	3778.1	3769.8	3907.5	4152.7	3118.3
37.5°	5302.2	5304.5	5169.1	4880.2	4551.4	4273.8	4137.7	4115.1	4196.3	4441.6	3259.7
40°	5701.7	5709.2	5652.8	5501.6	5153.3	4760.6	4560.5	4537.1	4571.0	4807.2	3444.8
42.5°	5913.1	5934.2	5950.0	5985.3	5721.3	5368.4	5060.7	5058.5	5023.1	5224.0	3659.2
45°	5921.4	5953.0	6049.3	6290.7	6320.8	6062.0	5727.3	5676.9	5540.7	5670.1	3851.0
47.5°	5594.1	5667.1	5871.7	6350.2	6666.1	6751.9	6420.1	6389.3	6007.1	6022.9	3994.7
50°	4831.3	4907.3	5284.2	6045.5	6753.4	7299.6	7180.7	7116.8	6396.8	6256.1	4063.9
52.5°	4048.9	4118.1	4373.9	5320.3	6391.6	7471.9	7821.7	7745.7	6746.6	6337.4	4035.3
55°	2817.4	2909.9	3159.7	3976.7	5558.0	7136.3	8033.8	8018.0	7058.8	6286.2	3991.0
57.5°	1381.2	1473.0	1722.0	2451.8	4117.3	6230.6	7709.6	7793.1	7245.4	6231.3	3954.9
60°	577.0	614.6	700.4	1075.8	2303.5	4708.7	6977.6	7093.5	7131.1	6156.8	3951.1
62.5°	334.8	340.8	349.8	446.1	896.0	2699.3	5788.2	5953.0	6530.0	6058.3	3891.7
65°	252.8	255.0	251.3	273.8	370.1	1023.9	4182.0	4406.2	5450.4	5673.1	3656.9
67.5°	207.6	207.6	197.9	202.4	232.5	383.7	2308.8	2621.8	4033.1	4662.8	3019.7
70°	165.5	169.3	164.8	158.7	166.3	212.1	821.5	1018.6	2348.7	2753.4	1761.1
72.5°	125.6	125.6	133.2	128.6	123.4	133.2	286.6	322.0	942.6	1148.0	635.7
75°	97.0	100.1	105.3	100.8	93.3	79.0	137.7	145.9	284.4	267.1	142.2
77.5°	49.7	50.4	67.0	73.7	69.2	48.1	60.2	66.2	92.5	82.8	52.7
80°	30.1	31.6	37.6	57.9	45.9	25.6	24.8	26.3	43.6	37.6	21.8
82.5°	12.8	13.5	21.1	21.1	18.8	9.8	9.8	9.8	21.1	19.6	9.0
85°	0.0	0.0	3.8	3.0	3.0	3.8	3.8	3.8	5.3	7.5	4.5
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°	2273.5	2273.5	2273.5	2273.5	2273.5	2273.5	2273.5	2273.5	2273.5	2273.5	2273.5
2.5°	2273.5	2225.3	2160.6	2101.9	2022.9	1978.6	1916.9	1866.5	1823.6	1810.0	1804.0
5°	2274.2	2191.5	2053.0	1914.6	1744.6	1610.7	1473.0	1363.9	1274.4	1245.8	1238.3
7.5°	2289.3	2167.4	1943.2	1691.9	1407.6	1172.8	962.9	774.9	687.6	658.3	652.2
10°	2309.6	2147.1	1816.1	1424.9	1016.4	714.7	506.3	385.9	328.8	297.2	301.7
12.5°	2335.9	2130.5	1675.4	1136.0	672.6	392.7	278.4	233.2	221.2	215.2	212.1
15°	2371.3	2111.0	1500.8	849.3	412.3	252.8	214.4	202.4	197.9	194.8	194.1
17.5°	2407.4	2088.4	1323.3	597.3	273.8	209.9	192.6	186.6	183.6	181.3	180.6
20°	2445.7	2050.0	1114.9	411.5	215.9	188.8	177.5	170.8	167.0	163.2	162.5
22.5°	2462.3	1988.3	915.6	288.1	191.8	173.8	159.5	151.2	146.7	143.7	143.7
25°	2446.5	1888.3	709.4	218.9	174.5	157.2	142.9	133.9	130.1	127.1	127.1
27.5°	2404.4	1759.6	517.6	181.3	155.7	139.9	126.4	118.1	115.1	113.6	113.6
30°	2357.7	1597.1	364.9	155.7	134.7	121.9	110.6	105.3	104.6	103.1	103.1
32.5°	2317.8	1445.2	251.3	136.9	118.9	106.1	98.6	96.3	97.0	95.5	96.3
35°	2296.0	1296.2	186.6	121.9	106.1	94.0	90.3	90.3	90.3	89.5	89.5
37.5°	2305.1	1149.5	152.0	111.3	94.8	85.8	82.0	83.5	85.0	85.0	85.0
40°	2350.2	1019.4	134.7	101.6	85.0	78.2	75.2	77.5	79.7	81.2	81.2
42.5°	2407.4	914.0	121.9	93.3	78.2	70.7	69.2	71.5	73.7	75.2	75.2
45°	2443.5	808.0	109.1	82.8	71.5	62.4	62.4	65.5	64.7	65.5	65.5
47.5°	2460.0	723.7	96.3	71.5	60.9	54.2	54.9	56.4	54.9	56.4	56.4
50°	2419.4	638.7	85.0	59.4	50.4	47.4	48.9	48.1	48.1	51.2	51.2
52.5°	2344.9	575.5	75.2	50.4	42.9	42.1	43.6	40.6	41.4	41.4	40.6
55°	2290.0	539.4	67.0	43.6	36.9	37.6	36.9	31.6	28.6	25.6	24.8
57.5°	2262.9	525.1	60.9	39.1	33.1	33.1	30.1	21.8	16.6	12.8	11.3
60°	2256.9	507.8	54.9	33.9	29.3	27.8	21.8	12.8	8.3	6.0	5.3
62.5°	2199.7	465.7	49.7	27.1	25.6	22.6	13.5	7.5	4.5	3.0	2.3
65°	2012.4	382.9	44.4	21.1	19.6	16.6	8.3	4.5	2.3	0.8	0.0
67.5°	1600.9	271.6	39.1	15.8	13.5	10.5	5.3	3.0	0.8	0.0	0.0
70°	923.1	146.7	32.3	11.3	9.0	6.8	3.8	1.5	0.0	0.0	0.0
72.5°	308.4	68.5	24.8	7.5	6.8	5.3	2.3	0.8	0.0	0.0	0.0
75°	67.7	40.6	16.6	5.3	4.5	3.8	1.5	0.0	0.0	0.0	0.0
77.5°	25.6	28.6	8.3	3.8	3.0	2.3	0.8	0.0	0.0	0.0	0.0
80°	9.8	18.8	3.8	2.3	2.3	0.8	0.0	0.0	0.0	0.0	0.0
82.5°	5.3	7.5	2.3	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.0	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)