

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: P634259

Luminaire Tested: GWS-SA3B-735-U-T2R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634259  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-735-U-T2R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

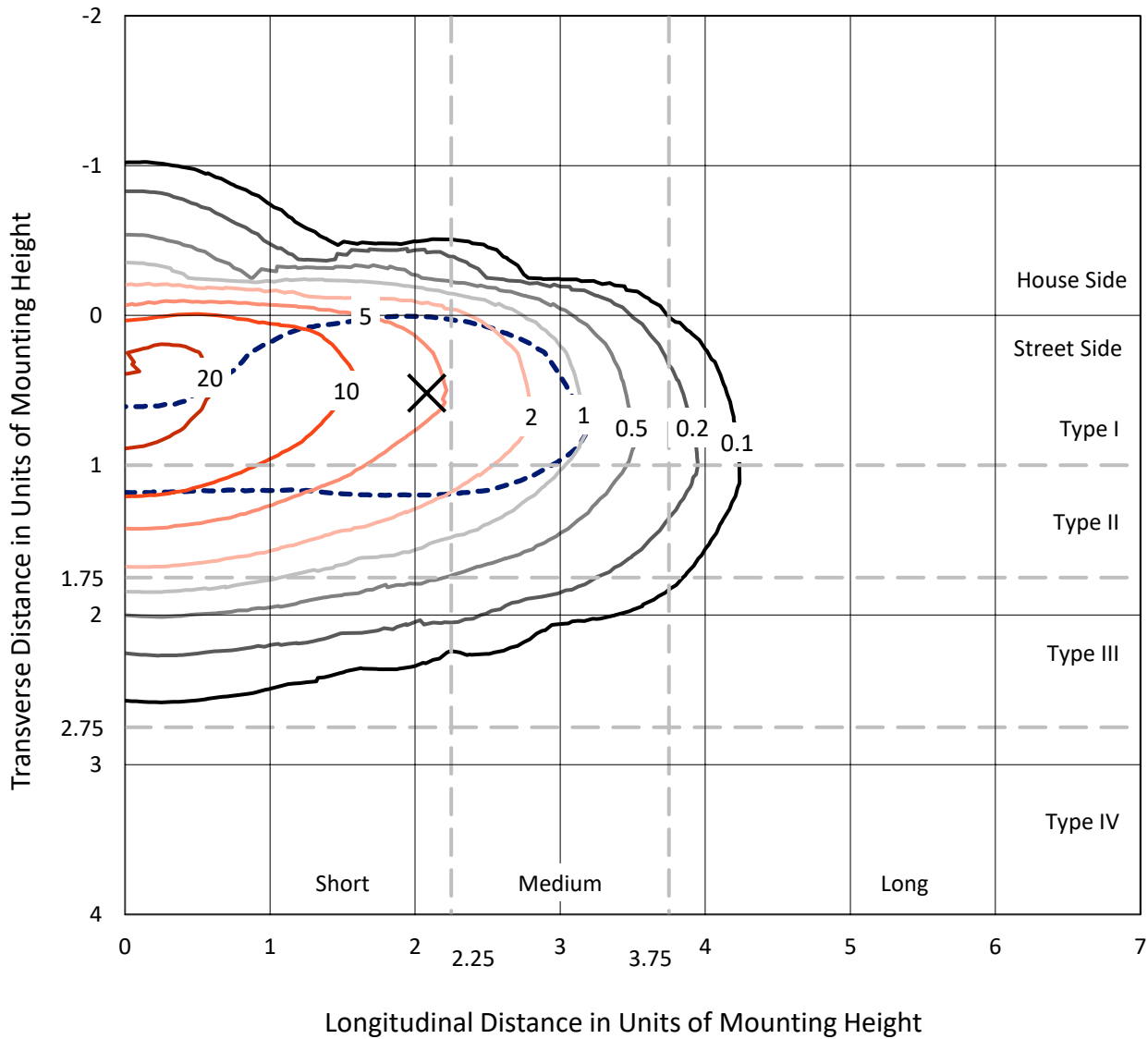
Lumens per Lamp: N/A  
Luminaire Lumens: 8273.6 lumens  
Efficiency: N/A  
Efficacy: 121.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

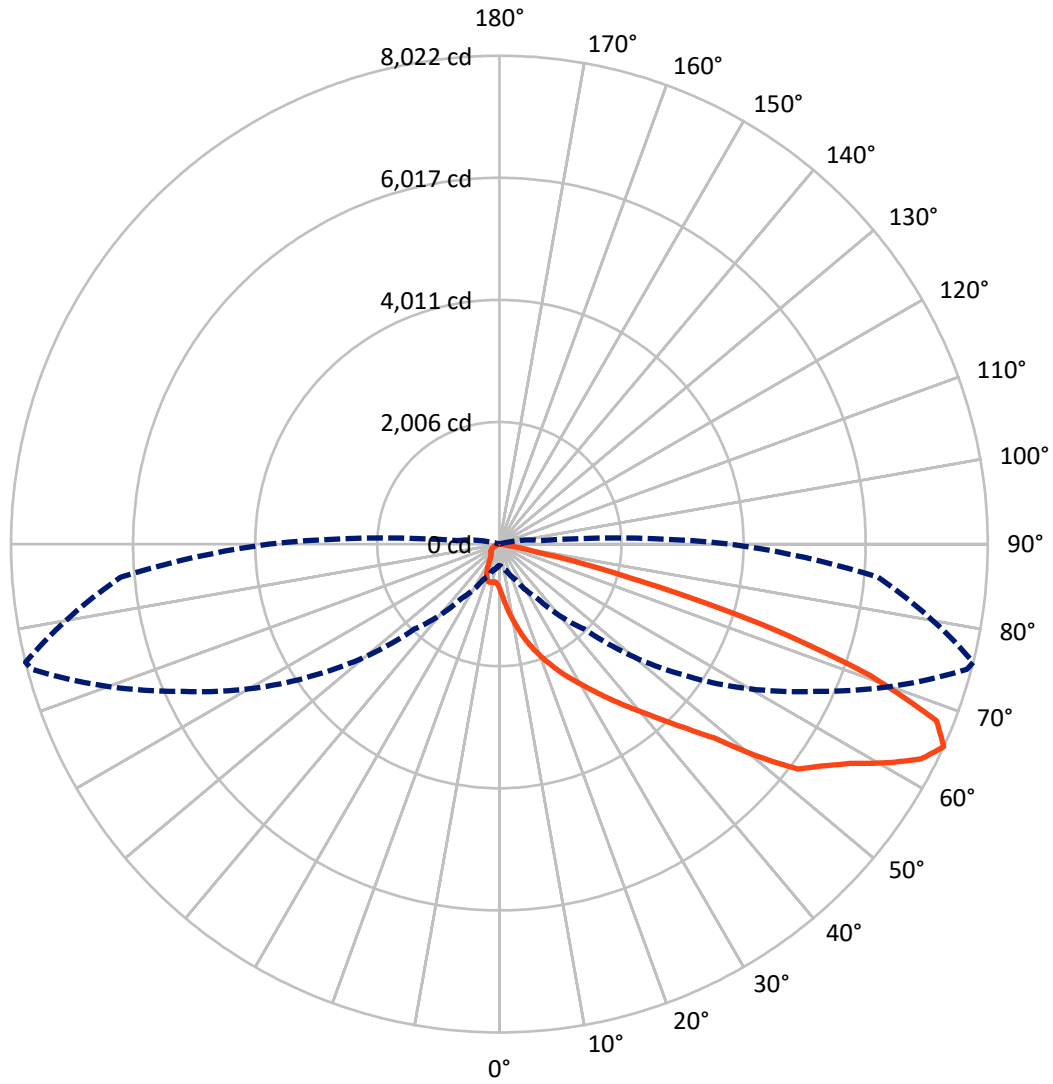
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	457.5	0.0	457.5
	% Fixture	5.5	0.0	5.5
<b>Street Side</b>	Lumens	7816.1	0.0	7816.1
	% Fixture	94.5	0.0	94.5
<b>Total</b>	Lumens	8273.6	0.0	8273.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.1	1.1
10°-20°	338.1	4.1
20°-30°	689.9	8.3
30°-40°	1226.9	14.8
40°-50°	1813.7	21.9
50°-60°	2076.6	25.1
60°-70°	1584.3	19.1
70°-80°	443.8	5.4
80°-90°	11.2	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°	8273.6	100.0
0°-180°	8273.6	100.0

**Coefficient of Utilization**



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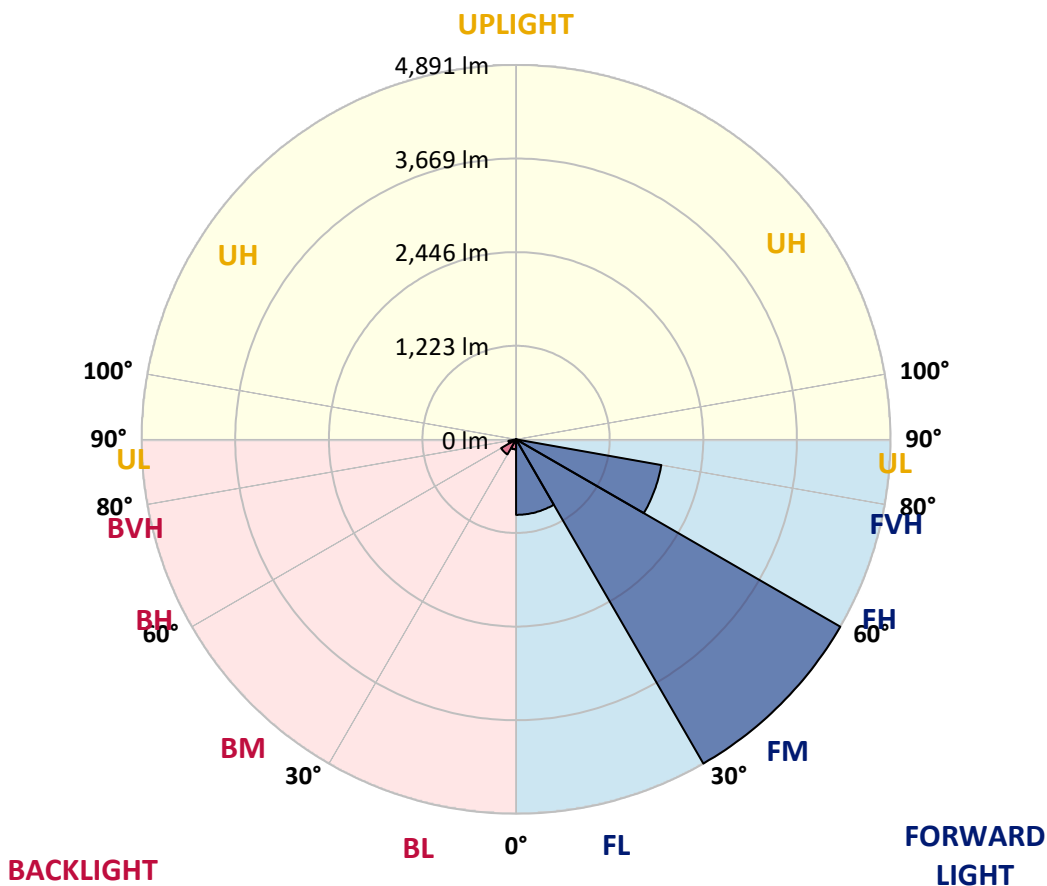
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	986.6	11.9			
FM (30°-60°)	4891.5	59.1			
FH (60°-80°)	1927.5	23.3			G2/5000
FVH (80°-90°)	10.5	0.1			G1/100
BL (0°-30°)	130.5	1.6	B1/500		
BM (30°-60°)	225.7	2.7	B1/1000		
BH (60°-80°)	100.6	1.2	B0/110		G0/110
BVH (80°-90°)	0.6	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-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	732.5	732.5	732.5	732.5	732.5	732.5	732.5	732.5	732.5	732.5	732.5
2.5°	1128.9	1145.8	1132.6	1110.5	1067.9	1026.7	973.7	900.9	842.8	835.5	781.1
5°	1524.6	1523.1	1494.4	1465.8	1420.9	1350.3	1243.7	1108.3	978.2	967.1	845.0
7.5°	1759.9	1762.2	1746.0	1723.9	1679.8	1607.0	1495.9	1332.6	1142.2	1120.1	932.6
10°	1957.8	1957.1	1945.3	1935.0	1895.3	1846.7	1727.6	1548.1	1318.7	1284.1	1030.4
12.5°	2106.3	2111.5	2117.4	2127.7	2110.8	2063.0	1950.4	1754.8	1497.4	1459.1	1142.2
15°	2224.0	2225.5	2247.6	2287.3	2301.2	2276.2	2174.0	1954.8	1673.9	1640.8	1270.9
17.5°	2259.3	2262.3	2299.8	2372.6	2446.1	2460.1	2382.9	2156.4	1847.5	1812.2	1395.9
20°	2333.6	2340.2	2368.2	2432.2	2524.8	2599.8	2569.7	2360.1	2021.0	1974.7	1523.9
22.5°	2567.5	2571.2	2561.6	2569.7	2617.5	2704.3	2722.7	2557.2	2199.0	2149.7	1662.1
25°	2969.8	2971.2	2904.3	2841.1	2805.0	2821.2	2861.7	2738.8	2375.5	2327.0	1790.8
27.5°	3387.5	3392.7	3312.5	3205.1	3076.4	3002.9	2991.1	2905.1	2553.5	2499.8	1918.1
30°	3781.0	3781.0	3696.4	3565.5	3393.4	3250.0	3165.4	3072.7	2744.0	2685.2	2048.2
32.5°	4134.7	4131.8	4023.7	3881.7	3711.9	3554.5	3376.5	3247.8	2955.8	2890.3	2198.3
35°	4426.7	4419.4	4296.5	4160.5	3978.8	3861.9	3663.3	3436.1	3185.3	3119.8	2352.7
37.5°	4647.4	4639.3	4526.7	4382.6	4214.2	4138.4	3972.2	3661.8	3427.2	3367.7	2524.1
40°	4767.2	4751.1	4673.1	4565.7	4424.5	4358.3	4289.2	3942.1	3711.9	3637.6	2726.3
42.5°	4802.5	4783.4	4731.9	4681.9	4596.6	4544.4	4618.7	4258.3	4024.4	3960.4	2957.3
45°	4698.1	4687.1	4682.7	4718.7	4734.1	4748.8	4932.0	4608.4	4369.4	4320.8	3247.8
47.5°	4446.6	4443.6	4482.6	4632.6	4795.9	4951.1	5272.5	5040.1	4816.5	4764.3	3653.8
50°	3981.8	4011.9	4120.8	4384.1	4710.6	5065.8	5590.9	5638.8	5540.2	5463.7	4183.3
52.5°	3255.1	3313.2	3557.4	3957.5	4426.7	5033.5	5738.0	6118.3	6219.0	6139.6	4562.8
55°	2554.2	2608.7	2826.4	3333.8	3959.7	4787.1	5744.7	6283.7	6503.6	6430.1	4819.5
57.5°	1902.6	1952.6	2150.5	2635.9	3324.3	4302.4	5587.3	6375.7	6841.2	6794.2	5224.7
60°	1243.7	1292.9	1471.6	1896.0	2578.5	3596.4	5199.7	6356.6	7300.9	7296.5	5722.6
62.5°	689.9	728.8	858.3	1189.2	1799.7	2785.2	4590.7	6164.6	7745.8	7773.8	6133.0
65°	353.0	378.0	456.7	653.8	1089.2	1974.7	3789.8	5724.8	7951.8	8022.4	6241.1
67.5°	230.9	239.0	258.1	339.8	583.2	1242.2	2852.1	5019.5	7662.0	7744.4	5878.5
70°	187.5	194.2	205.2	226.5	300.8	659.7	1873.2	4009.0	6402.2	6458.0	4681.2
72.5°	137.5	146.4	167.7	181.7	217.0	361.8	974.5	2631.5	4396.6	4495.1	2941.8
75°	101.5	106.6	124.3	143.4	177.2	228.7	372.9	1383.4	2270.4	2213.0	1235.6
77.5°	61.0	64.7	79.4	91.9	126.5	142.7	130.2	511.1	690.6	649.4	298.6
80°	30.2	33.8	52.2	69.1	80.9	57.4	54.4	142.7	153.7	153.7	75.0
82.5°	10.3	13.2	27.9	45.6	39.7	22.1	25.7	36.8	41.2	43.4	22.1
85°	0.0	0.0	6.6	13.2	5.9	2.9	6.6	8.1	10.3	11.0	7.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.2	2.9	2.9
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°	732.5	732.5	732.5	732.5	732.5	732.5	732.5	732.5	732.5	732.5	732.5
2.5°	751.6	717.1	664.9	617.8	581.7	547.9	522.2	501.6	497.9	486.1	487.6
5°	785.5	723.0	626.6	552.3	500.1	464.8	435.4	413.3	403.8	394.2	386.9
7.5°	837.7	747.2	611.9	521.4	460.4	406.0	360.4	323.6	306.0	294.9	287.6
10°	901.7	781.1	612.6	503.1	412.6	329.5	267.0	226.5	207.4	201.5	200.8
12.5°	978.2	823.7	618.5	472.9	343.5	244.9	197.8	179.5	173.6	168.4	168.4
15°	1059.1	871.5	618.5	417.7	261.8	191.2	171.4	159.6	152.2	149.3	147.8
17.5°	1144.4	916.4	603.8	342.0	200.8	168.4	152.2	141.2	135.3	130.9	129.4
20°	1235.6	959.0	567.0	261.8	172.1	150.8	135.3	124.3	118.4	114.0	114.0
22.5°	1328.2	998.8	507.5	201.5	152.2	133.9	119.1	108.8	103.0	98.6	98.6
25°	1414.3	1025.2	431.0	166.2	137.5	119.1	105.9	95.6	89.0	86.0	84.6
27.5°	1494.4	1042.1	346.4	146.4	123.6	106.6	92.7	83.1	78.0	75.8	74.3
30°	1577.6	1046.6	264.8	133.1	111.8	94.1	80.9	73.5	69.1	66.2	66.2
32.5°	1658.5	1041.4	202.3	122.1	101.5	83.1	72.1	65.5	61.8	59.6	58.8
35°	1740.8	1017.9	164.0	112.5	91.2	72.8	64.0	58.8	56.6	53.7	53.7
37.5°	1830.6	986.2	142.7	103.0	80.9	65.5	57.4	53.7	50.7	48.5	47.8
40°	1942.3	949.5	130.9	94.9	71.3	58.8	51.5	47.8	45.6	43.4	42.7
42.5°	2074.7	913.4	125.0	86.0	64.0	52.2	46.3	41.9	39.7	36.8	36.0
45°	2262.3	905.3	118.4	76.5	57.4	47.1	40.5	36.0	33.1	30.9	30.2
47.5°	2563.8	928.1	107.4	66.2	50.7	41.2	34.6	30.9	27.2	25.0	23.5
50°	2863.1	922.3	96.3	57.4	44.9	35.3	29.4	25.7	22.1	19.9	19.1
52.5°	3026.4	894.3	86.0	50.7	39.0	30.2	25.0	20.6	18.4	16.2	15.4
55°	3174.2	883.3	75.8	44.1	33.1	26.5	20.6	16.9	15.4	13.2	12.5
57.5°	3464.0	909.0	66.9	38.2	28.7	22.8	17.7	14.0	12.5	10.3	9.6
60°	3767.0	912.0	57.4	33.1	25.0	19.1	14.0	11.0	9.6	7.4	6.6
62.5°	3925.1	837.7	47.1	27.9	20.6	16.2	11.8	8.8	7.4	4.4	4.4
65°	3792.8	677.4	39.7	22.8	16.2	12.5	8.8	6.6	4.4	2.2	0.7
67.5°	3356.6	481.7	33.1	18.4	11.8	8.8	6.6	4.4	0.7	0.0	0.0
70°	2457.9	275.1	25.7	13.2	8.8	5.9	4.4	2.2	0.0	0.0	0.0
72.5°	1510.6	147.1	19.1	8.8	6.6	4.4	3.7	1.5	0.0	0.0	0.0
75°	572.9	70.6	11.8	5.9	5.1	3.7	2.2	0.7	0.0	0.0	0.0
77.5°	155.2	34.6	6.6	4.4	3.7	2.2	1.5	0.0	0.0	0.0	0.0
80°	40.5	16.2	4.4	2.9	2.2	1.5	0.0	0.0	0.0	0.0	0.0
82.5°	14.0	7.4	2.2	2.2	1.5	0.7	0.0	0.0	0.0	0.0	0.0
85°	5.9	2.9	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	0.7	0.7	0.7	0.7	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)