

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: HALO

Report Number: P328544

Luminaire Tested: **L815SML18FL935MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328544  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L815SML18FL935MB  
Description: Small, 1800lm, 45D, 3500K, black finish  
Light Source: (1) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

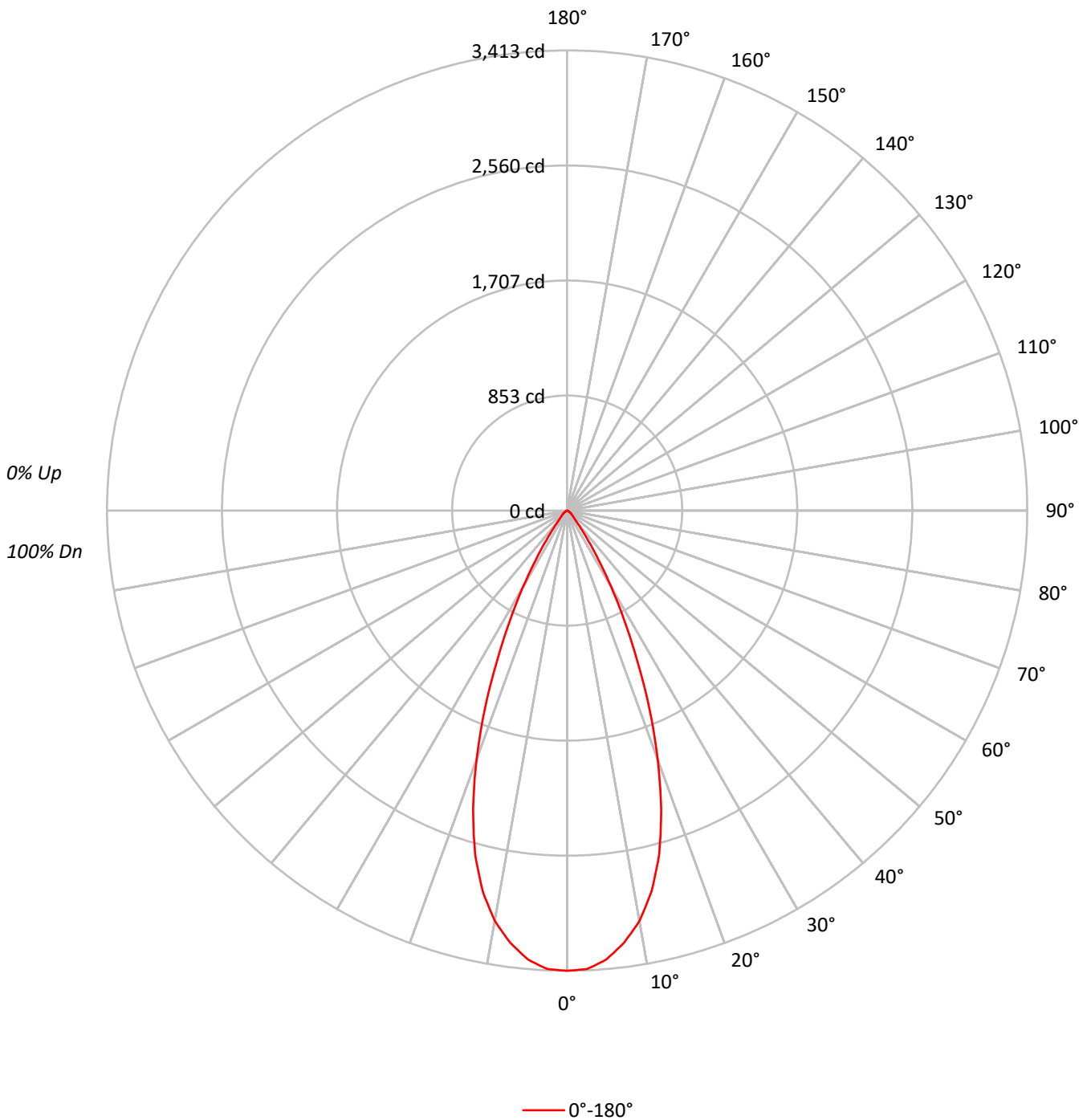
Lumens per Lamp: N/A  
Luminaire Lumens: 1872.0 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 0.71 / 0.68  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	90	83	78	75	82	77	74	81	77	74	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	748427
5°	735701
10°	687874
15°	598482
20°	458563
25°	297307
30°	165089
35°	72839
40°	30886
45°	19878
50°	14942
55°	10743
60°	6885
65°	4099
70°	2180
75°	932
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.8	16.6
10°-20°	719.1	38.4
20°-30°	565.8	30.2
30°-40°	189.2	10.1
40°-50°	52.3	2.8
50°-60°	25.1	1.3
60°-70°	8.4	0.5
70°-80°	1.3	0.1
80°-90°	0.0	0.0
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°-30°	1595.6	85.2
0°-40°	1784.8	95.3
0°-60°	1862.2	99.5
0°-90°	1872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1872.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3413	
5°	3342	311
15°	2636	719
25°	1229	566
35°	272	189
45°	64	52
55°	28	25
65°	8	8
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3413.1
2.5°	3403.0
5°	3342.3
7.5°	3233.2
10°	3089.3
12.5°	2893.7
15°	2636.3
17.5°	2320.4
20°	1965.1
22.5°	1595.2
25°	1228.8
27.5°	912.9
30°	652.0
32.5°	431.7
35°	272.1
37.5°	163.0
40°	107.9
42.5°	80.9
45°	64.1
47.5°	52.8
50°	43.8
52.5°	34.9
55°	28.1
57.5°	20.2
60°	15.7
62.5°	11.2
65°	7.9
67.5°	5.6
70°	3.4
72.5°	2.2
75°	1.1
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)