

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: P534435

Luminaire Tested: **L808-18-FL-927-MB**

Issue Date: 6/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534435  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-126-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L808-18-FL-927-MB  
Description: 3" Track Fixture with Flood Optic  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

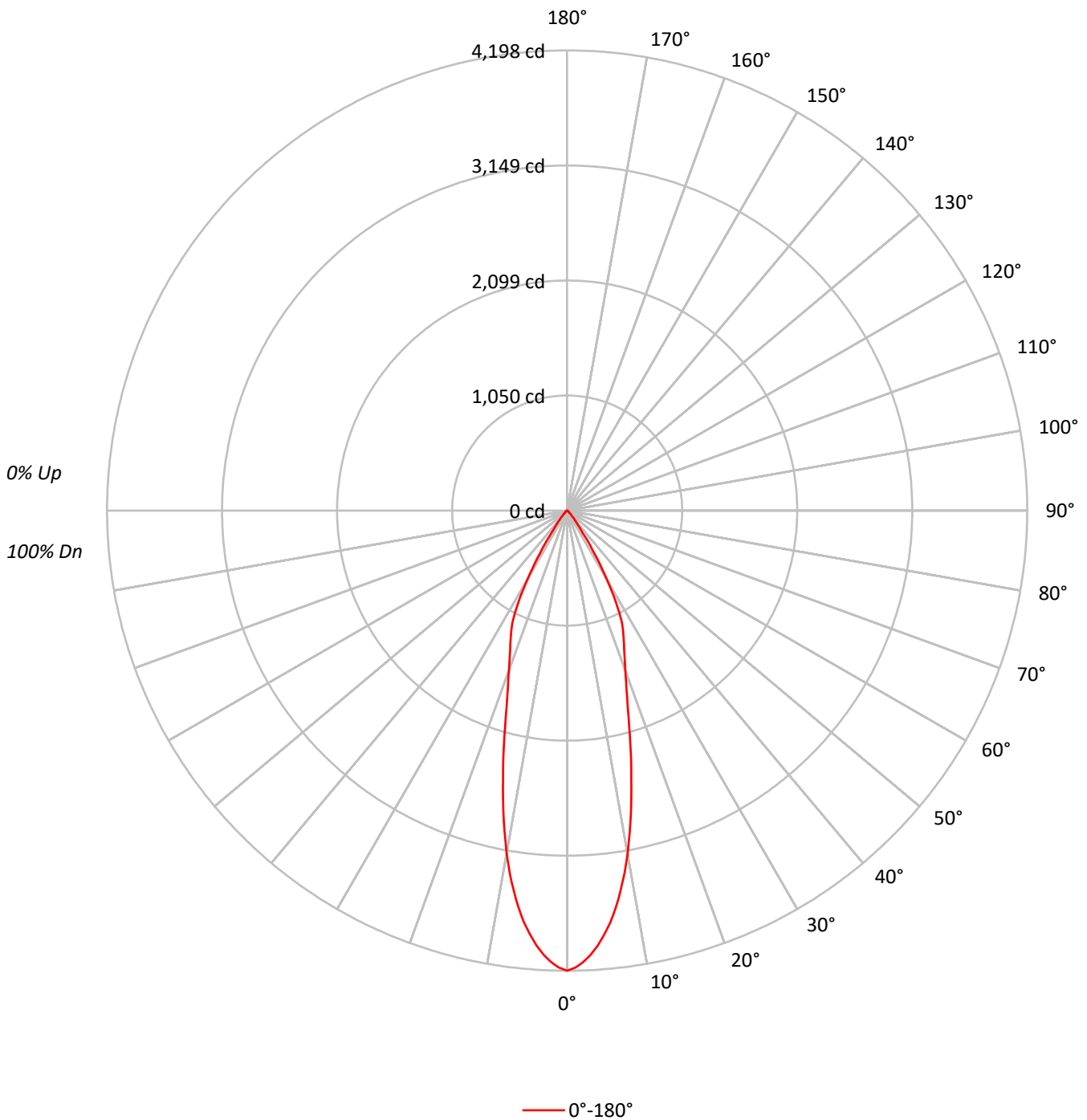
Lumens per Lamp: N/A  
Luminaire Lumens: 1748.0 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.59  
Luminous Opening: Circular (Dia: 0.02' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.8  
Input Voltage (V): 120  
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: 24 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	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	109	105	102	99	107	103	100	98	100	98	95		97	95	93		95	93	92	90
3	105	99	95	92	103	98	94	91	95	92	89		93	90	88		91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84		89	86	83		87	84	82	81
5	97	89	84	81	95	88	84	80	87	83	80		85	82	79		84	81	78	77
6	93	85	80	76	91	84	79	76	83	79	75		81	78	75		80	77	74	73
7	89	81	76	72	88	80	76	72	79	75	72		78	74	71		77	74	71	70
8	86	77	72	69	84	77	72	69	76	71	68		75	71	68		74	70	68	67
9	82	74	69	66	81	74	69	65	73	68	65		72	68	65		71	68	65	64
10	79	71	66	63	78	71	66	63	70	65	62		69	65	62		68	65	62	61

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

	0°
0°	92047450
5°	85478537
10°	70726813
15°	50649553
20°	36242151
25°	29200880
30°	18334467
35°	6563815
40°	2670718
45°	1283854
50°	753920
55°	550518
60°	381548
65°	249054
70°	185929
75°	160975
80°	126279
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	348.3	19.9
10°-20°	619.7	35.5
20°-30°	533.6	30.5
30°-40°	190.6	10.9
40°-50°	35.9	2.1
50°-60°	12.8	0.7
60°-70°	5.2	0.3
70°-80°	1.8	0.1
80°-90°	0.1	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°	1501.5	85.9
0°-40°	1692.1	96.8
0°-60°	1740.9	99.6
0°-90°	1748.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1748.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4198	
5°	3883	348
15°	2231	620
25°	1207	534
35°	245	191
45°	41	36
55°	14	13
65°	5	5
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4197.7
1°	4170.8
2°	4122.7
3°	4061.2
4°	3980.4
5°	3883.3
6°	3774.6
7°	3646.7
8°	3502.4
9°	3347.6
10°	3176.4
11°	2989.9
12°	2799.5
13°	2605.2
14°	2413.8
15°	2231.1
16°	2054.1
17°	1898.4
18°	1760.8
19°	1649.3
20°	1553.1
21°	1470.4
22°	1392.5
23°	1326.2
24°	1264.6
25°	1206.9
26°	1140.6
27°	1050.2
28°	945.3
29°	833.8
30°	724.1
32.5°	460.6
35°	245.2
37.5°	148.1
40°	93.3
42.5°	62.5
45°	41.4
47.5°	27.9
50°	22.1
52.5°	17.3
55°	14.4
57.5°	10.6
60°	8.7
62.5°	6.7
65°	4.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	3.8
70°	2.9
72.5°	1.9
75°	1.9
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)