

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: P534436

Luminaire Tested: **L808-18-FL-930-MB**

Issue Date: 6/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534436  
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-930-MB  
Description: 3" Track Fixture with Flood Optic  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

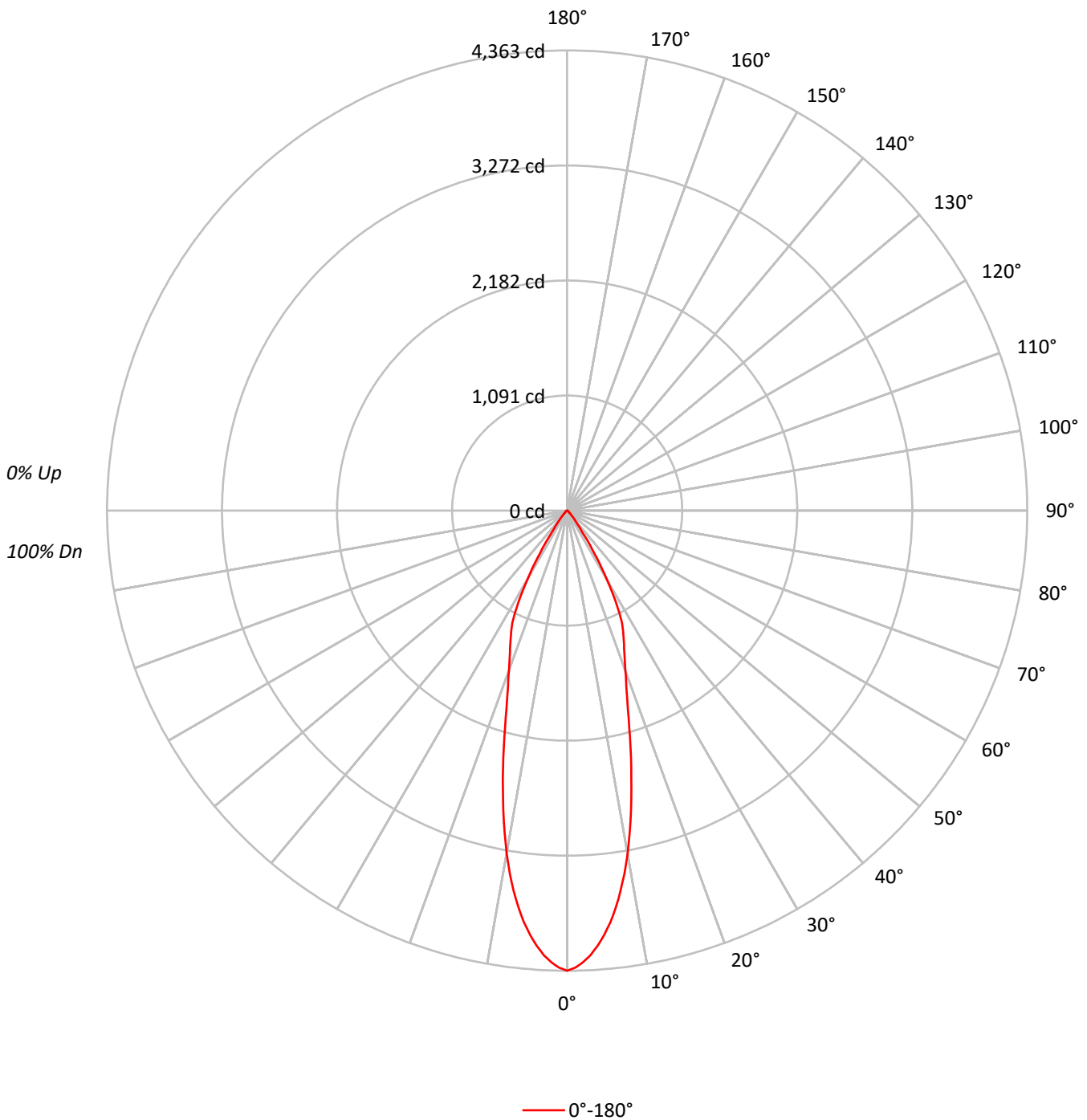
Lumens per Lamp: N/A  
Luminaire Lumens: 1817.0 lumens  
Efficiency: N/A  
Efficacy: 91.8 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.59  
Luminous Opening: Circular (Dia: 0.02' x H: 0')  
CIE Type: Direct

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°	95680931
5°	88852950
10°	73519013
15°	52649565
20°	37672609
25°	30354979
30°	19058629
35°	6823476
40°	2776631
45°	1333472
50°	784622
55°	573456
60°	394705
65°	259431
70°	192340
75°	169447
80°	126279
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	362.0	19.9
10°-20°	644.1	35.4
20°-30°	554.7	30.5
30°-40°	198.1	10.9
40°-50°	37.4	2.1
50°-60°	13.3	0.7
60°-70°	5.4	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°	1560.8	85.9
0°-40°	1758.9	96.8
0°-60°	1809.6	99.6
0°-90°	1817.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1817.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4363	
5°	4037	362
15°	2319	644
25°	1255	555
35°	255	198
45°	43	37
55°	15	13
65°	5	5
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4363.4
1°	4335.4
2°	4285.5
3°	4221.5
4°	4137.5
5°	4036.6
6°	3923.6
7°	3790.6
8°	3640.7
9°	3479.8
10°	3301.8
11°	3107.9
12°	2910.0
13°	2708.0
14°	2509.1
15°	2319.2
16°	2135.2
17°	1973.3
18°	1830.3
19°	1714.4
20°	1614.4
21°	1528.5
22°	1447.5
23°	1378.5
24°	1314.5
25°	1254.6
26°	1185.6
27°	1091.6
28°	982.6
29°	866.7
30°	752.7
32.5°	478.8
35°	254.9
37.5°	153.9
40°	97.0
42.5°	65.0
45°	43.0
47.5°	29.0
50°	23.0
52.5°	18.0
55°	15.0
57.5°	11.0
60°	9.0
62.5°	7.0
65°	5.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	4.0
70°	3.0
72.5°	2.0
75°	2.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)