

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: P534464

Luminaire Tested: **L808-13-NF-930-MB**

Issue Date: 6/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534464  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-126-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L808-13-NF-930-MB  
Description: 3" Track Fixture with Narrow Flood Optic  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

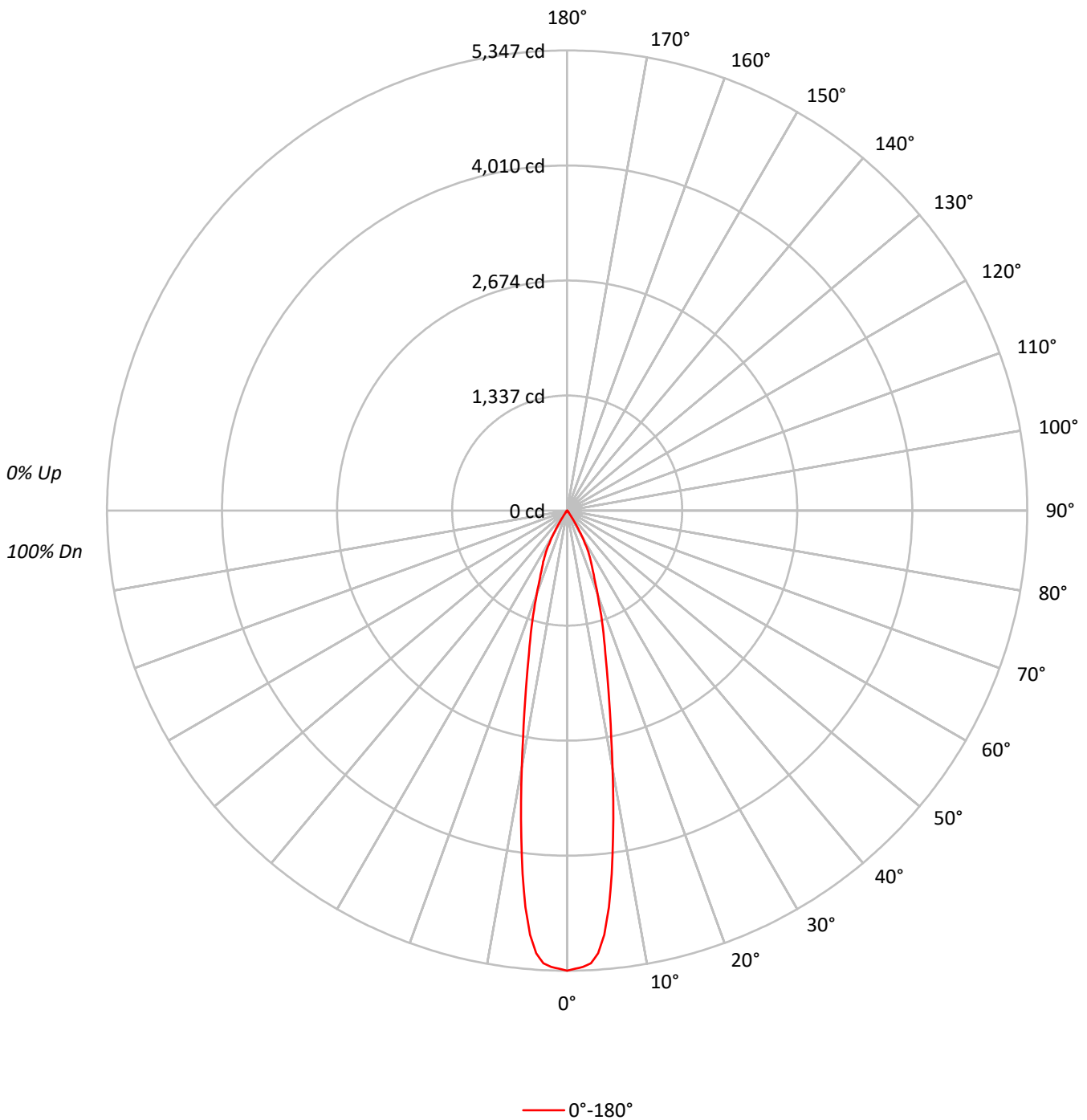
Lumens per Lamp: N/A  
Luminaire Lumens: 1272.0 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41  
Luminous Opening: Circular (Dia: 0.02' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.7  
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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93		96	94	92		94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89		93	90	88		91	89	87	86
5	100	94	89	86	99	93	89	86	91	88	85		90	87	84		88	86	84	83
6	97	90	86	83	96	89	85	82	88	85	82		87	84	81		86	83	81	80
7	94	87	82	79	93	86	82	79	85	82	79		84	81	78		83	80	78	77
8	91	84	80	77	90	83	79	76	82	79	76		82	78	76		81	78	76	74
9	88	81	77	74	87	81	77	74	80	76	74		79	76	73		78	75	73	72
10	86	79	74	72	85	78	74	71	78	74	71		77	73	71		76	73	71	70

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

	0°
0°	117240607
5°	108912330
10°	67453661
15°	38974117
20°	24063426
25°	15896079
30°	8558279
35°	1841723
40°	546739
45°	275998
50°	139867
55°	103222
60°	87712
65°	103772
70°	89759
75°	59306
80°	88395
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	404.6	31.8
10°-20°	488.3	38.4
20°-30°	296.9	23.3
30°-40°	69.5	5.5
40°-50°	7.5	0.6
50°-60°	2.5	0.2
60°-70°	1.8	0.1
70°-80°	0.8	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°	1189.8	93.5
0°-40°	1259.3	99.0
0°-60°	1269.3	99.8
0°-90°	1272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1272.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5347	
5°	4948	405
15°	1717	488
25°	657	297
35°	69	70
45°	9	8
55°	3	2
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5346.6
1°	5324.8
2°	5306.4
3°	5267.6
4°	5157.2
5°	4947.9
6°	4633.8
7°	4254.1
8°	3835.0
9°	3422.7
10°	3029.4
11°	2688.7
12°	2390.8
13°	2130.5
14°	1904.2
15°	1716.8
16°	1557.3
17°	1411.5
18°	1278.6
19°	1146.3
20°	1031.2
21°	931.0
22°	843.1
23°	769.5
24°	708.8
25°	657.0
26°	604.5
27°	540.5
28°	471.6
29°	403.5
30°	338.0
32.5°	187.4
35°	68.8
37.5°	32.7
40°	19.1
42.5°	13.6
45°	8.9
47.5°	5.5
50°	4.1
52.5°	3.4
55°	2.7
57.5°	2.0
60°	2.0
62.5°	2.0
65°	2.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.4
70°	1.4
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)