

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: P534463

Luminaire Tested: **L808-13-NF-927-MB**

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534463
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-927-MB
Description: 3" Track Fixture with Narrow Flood Optic
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

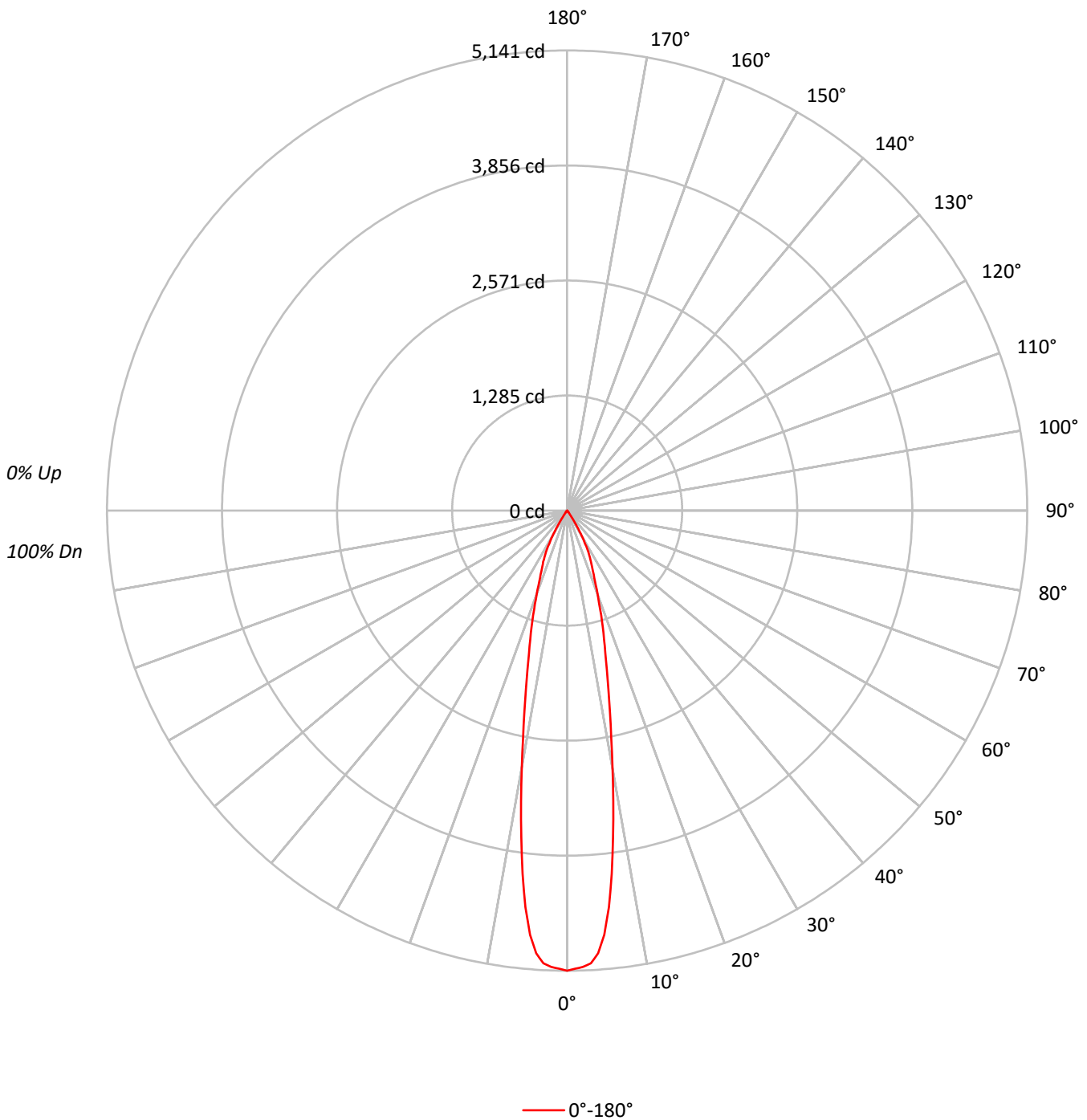
Lumens per Lamp: N/A
Luminaire Lumens: 1223.1 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.02' x H: 0')
CIE Type: Direct

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	94	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	84	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°	112725618
5°	104716876
10°	64855179
15°	37473541
20°	23134678
25°	15283947
30°	8229114
35°	1772123
40°	523839
45°	263593
50°	133045
55°	99399
60°	87712
65°	103772
70°	83347
75°	59306
80°	88395
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.1	31.8
10°-20°	469.5	38.4
20°-30°	285.4	23.3
30°-40°	66.9	5.5
40°-50°	7.2	0.6
50°-60°	2.4	0.2
60°-70°	1.7	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°	1143.9	93.5
0°-40°	1210.8	99.0
0°-60°	1220.4	99.8
0°-90°	1223.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1223.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5141	
5°	4757	389
15°	1651	469
25°	632	285
35°	66	67
45°	8	7
55°	3	2
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5140.7
1°	5119.7
2°	5102.0
3°	5064.7
4°	4958.5
5°	4757.3
6°	4455.3
7°	4090.3
8°	3687.3
9°	3290.8
10°	2912.7
11°	2585.1
12°	2298.7
13°	2048.4
14°	1830.9
15°	1650.7
16°	1497.3
17°	1357.1
18°	1229.3
19°	1102.2
20°	991.4
21°	895.1
22°	810.6
23°	739.8
24°	681.5
25°	631.7
26°	581.2
27°	519.6
28°	453.5
29°	387.9
30°	325.0
32.5°	180.2
35°	66.2
37.5°	31.5
40°	18.3
42.5°	13.1
45°	8.5
47.5°	5.2
50°	3.9
52.5°	3.3
55°	2.6
57.5°	2.0
60°	2.0
62.5°	2.0
65°	2.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.3
70°	1.3
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)