

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: P534440

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

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534440
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: L808-18-NF-930-MB
Description: 3" Track Fixture with Narrow Flood Optic
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

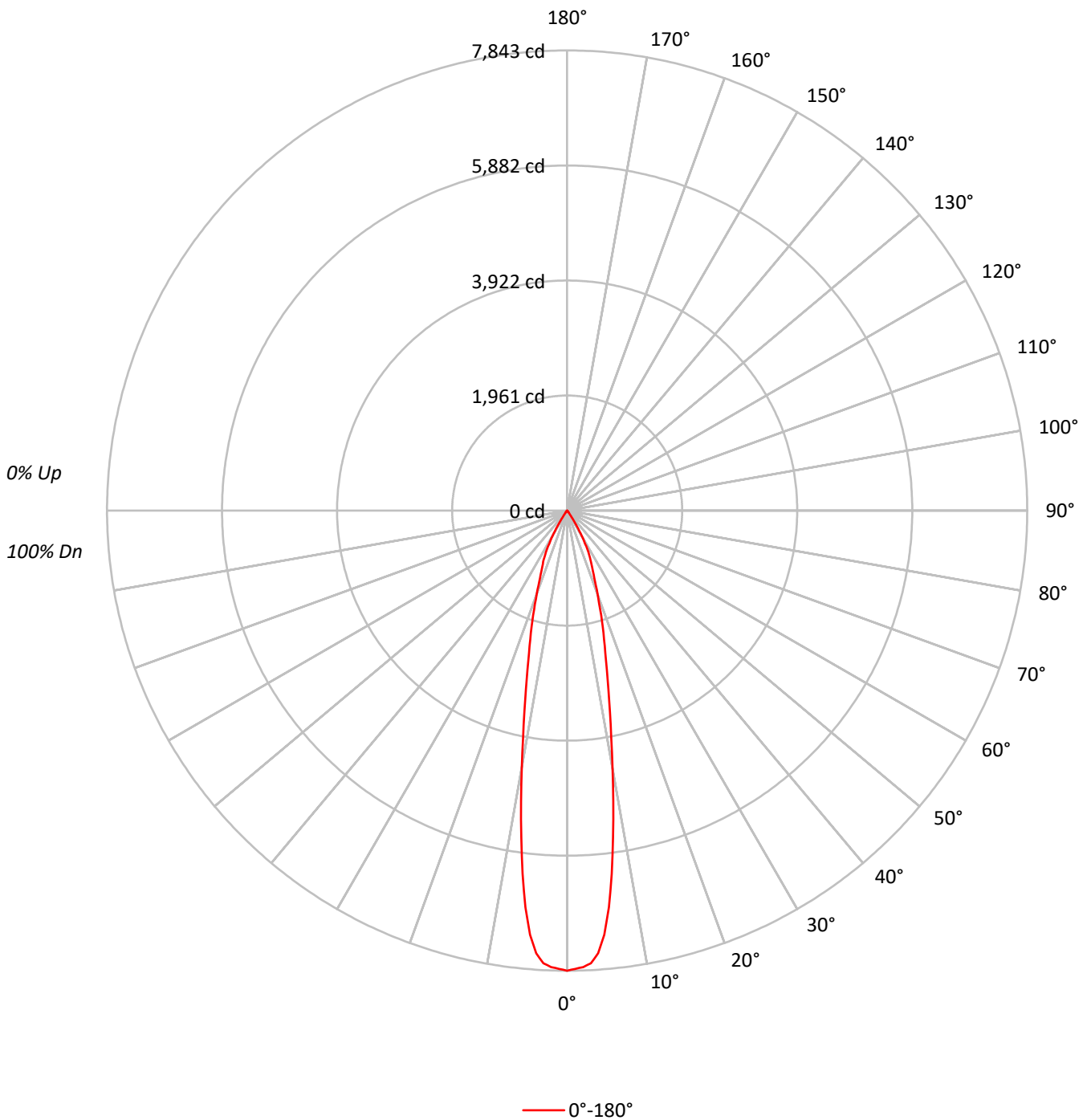
Lumens per Lamp: N/A
Luminaire Lumens: 1866.0 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.02' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	171990606
5°	159772863
10°	98953857
15°	57173995
20°	35299402
25°	23319089
30°	12556362
35°	2703692
40°	801502
45°	403143
50°	204684
55°	152922
60°	131568
65°	155659
70°	128227
75°	84724
80°	126279
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	593.6	31.8
10°-20°	716.3	38.4
20°-30°	435.5	23.3
30°-40°	102.0	5.5
40°-50°	11.0	0.6
50°-60°	3.7	0.2
60°-70°	2.6	0.1
70°-80°	1.2	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°	1745.4	93.5
0°-40°	1847.4	99.0
0°-60°	1862.1	99.8
0°-90°	1866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1866.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7843	
5°	7258	594
15°	2518	716
25°	964	436
35°	101	102
45°	13	11
55°	4	4
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7843.4
1°	7811.4
2°	7784.4
3°	7727.5
4°	7565.5
5°	7258.5
6°	6797.6
7°	6240.8
8°	5625.9
9°	5021.0
10°	4444.1
11°	3944.2
12°	3507.3
13°	3125.4
14°	2793.4
15°	2518.5
16°	2284.5
17°	2070.6
18°	1875.6
19°	1681.7
20°	1512.7
21°	1365.7
22°	1236.8
23°	1128.8
24°	1039.8
25°	963.8
26°	886.8
27°	792.8
28°	691.9
29°	591.9
30°	495.9
32.5°	274.9
35°	101.0
37.5°	48.0
40°	28.0
42.5°	20.0
45°	13.0
47.5°	8.0
50°	6.0
52.5°	5.0
55°	4.0
57.5°	3.0
60°	3.0
62.5°	3.0
65°	3.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)