

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: P534442

Luminaire Tested: **L808-18-NF-940-MB**

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534442
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-940-MB
Description: 3" Track Fixture with Narrow Flood Optic
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

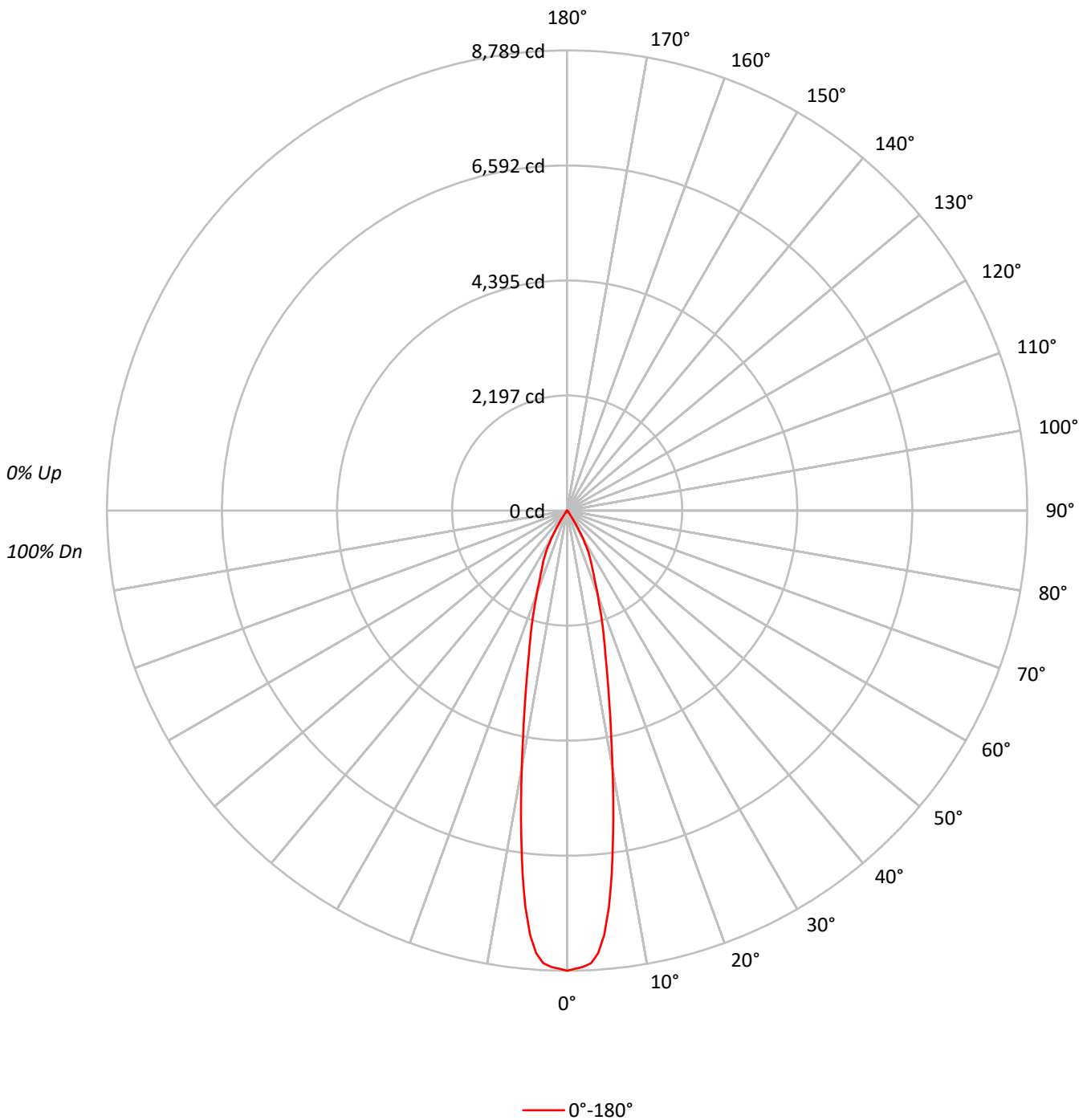
Lumens per Lamp: N/A
Luminaire Lumens: 2091.0 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.02' x H: 0')
CIE Type: Direct

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°	192730172
5°	179039817
10°	110886390
15°	64068473
20°	39555772
25°	26130541
30°	14070519
35°	3030277
40°	898827
45°	452760
50°	228564
55°	172037
60°	149111
65°	176413
70°	141049
75°	93196
80°	138907
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.2	31.8
10°-20°	802.7	38.4
20°-30°	488.0	23.3
30°-40°	114.3	5.5
40°-50°	12.3	0.6
50°-60°	4.1	0.2
60°-70°	2.9	0.1
70°-80°	1.3	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°	1955.9	93.5
0°-40°	2070.2	99.0
0°-60°	2086.7	99.8
0°-90°	2091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2091.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8789	
5°	8134	665
15°	2822	803
25°	1080	488
35°	113	114
45°	15	12
55°	4	4
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8789.2
1°	8753.3
2°	8723.1
3°	8659.2
4°	8477.7
5°	8133.8
6°	7617.3
7°	6993.3
8°	6304.2
9°	5626.4
10°	4980.0
11°	4419.8
12°	3930.2
13°	3502.2
14°	3130.3
15°	2822.2
16°	2560.0
17°	2320.3
18°	2101.8
19°	1884.4
20°	1695.1
21°	1530.4
22°	1385.9
23°	1264.9
24°	1165.2
25°	1080.0
26°	993.8
27°	888.4
28°	775.3
29°	663.2
30°	555.7
32.5°	308.1
35°	113.2
37.5°	53.8
40°	31.4
42.5°	22.4
45°	14.6
47.5°	9.0
50°	6.7
52.5°	5.6
55°	4.5
57.5°	3.4
60°	3.4
62.5°	3.4
65°	3.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.2
70°	2.2
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)