

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: P534439

Luminaire Tested: **L808-18-NF-927-MB**

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534439
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-927-MB
Description: 3" Track Fixture with Narrow Flood Optic
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

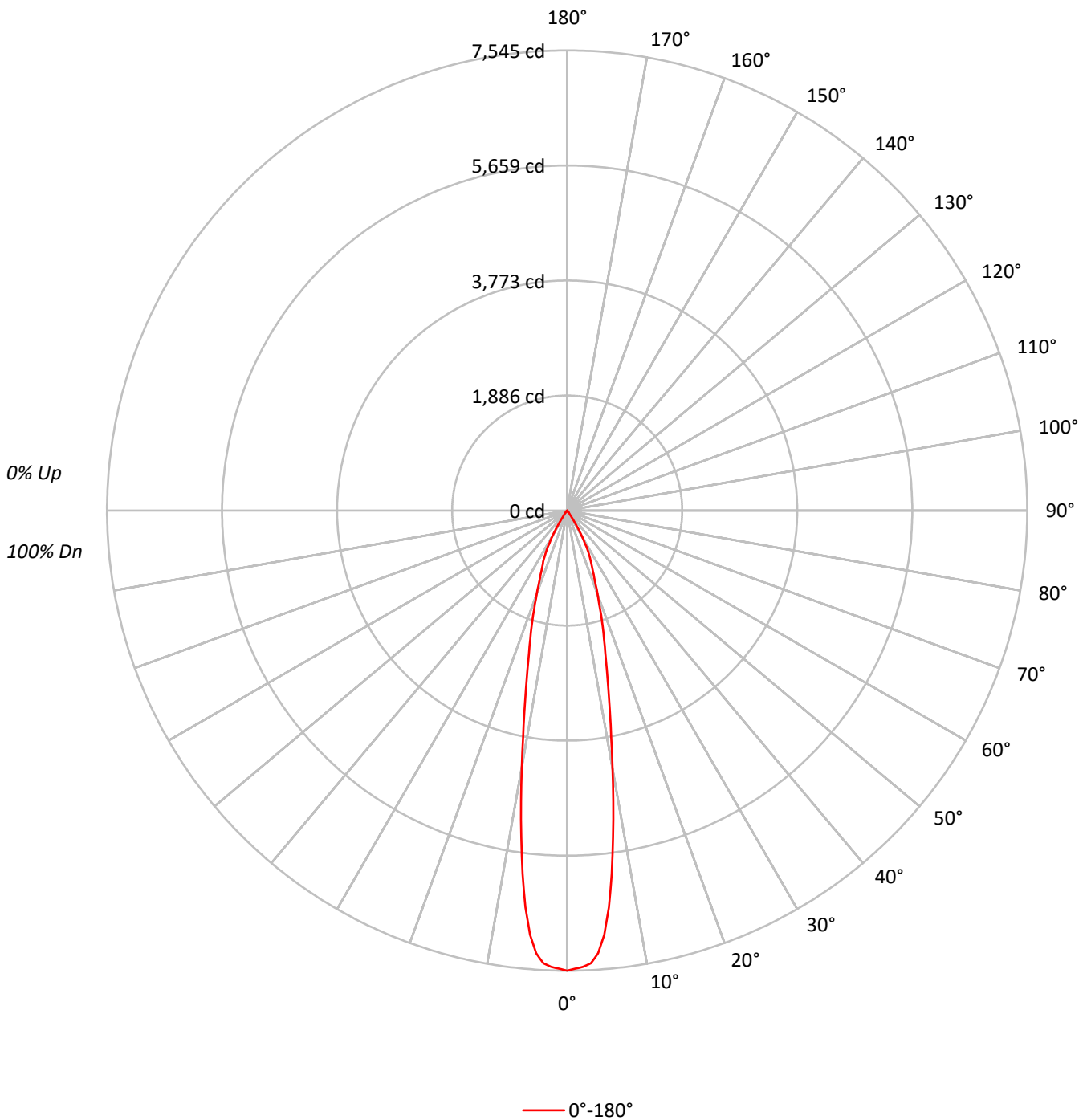
Lumens per Lamp: N/A
Luminaire Lumens: 1795.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.02' x H: 0')
CIE Type: Direct

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°	165447271
5°	153695397
10°	95188618
15°	54999181
20°	33955286
25°	22431134
30°	12077808
35°	2599292
40°	770014
45°	387637
50°	197861
55°	145276
60°	127183
65°	150470
70°	121815
75°	84724
80°	126279
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.0	31.8
10°-20°	689.0	38.4
20°-30°	418.9	23.3
30°-40°	98.1	5.5
40°-50°	10.6	0.6
50°-60°	3.5	0.2
60°-70°	2.5	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°	1679.0	93.5
0°-40°	1777.1	99.0
0°-60°	1791.2	99.8
0°-90°	1795.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1795.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7545	
5°	6982	571
15°	2423	689
25°	927	419
35°	97	98
45°	12	11
55°	4	4
65°	3	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7545.0
1°	7514.2
2°	7488.3
3°	7433.4
4°	7277.6
5°	6982.4
6°	6539.0
7°	6003.3
8°	5411.8
9°	4830.0
10°	4275.0
11°	3794.1
12°	3373.8
13°	3006.5
14°	2687.2
15°	2422.7
16°	2197.6
17°	1991.8
18°	1804.3
19°	1617.7
20°	1455.1
21°	1313.8
22°	1189.7
23°	1085.8
24°	1000.2
25°	927.1
26°	853.1
27°	762.7
28°	665.5
29°	569.4
30°	477.0
32.5°	264.5
35°	97.1
37.5°	46.2
40°	26.9
42.5°	19.2
45°	12.5
47.5°	7.7
50°	5.8
52.5°	4.8
55°	3.8
57.5°	2.9
60°	2.9
62.5°	2.9
65°	2.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.9
70°	1.9
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)