

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: P534462

Luminaire Tested: **L808-13-FL-940-MB**

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-126-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L808-13-FL-940-MB
Description: 3" Track Fixture with Flood Optic
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

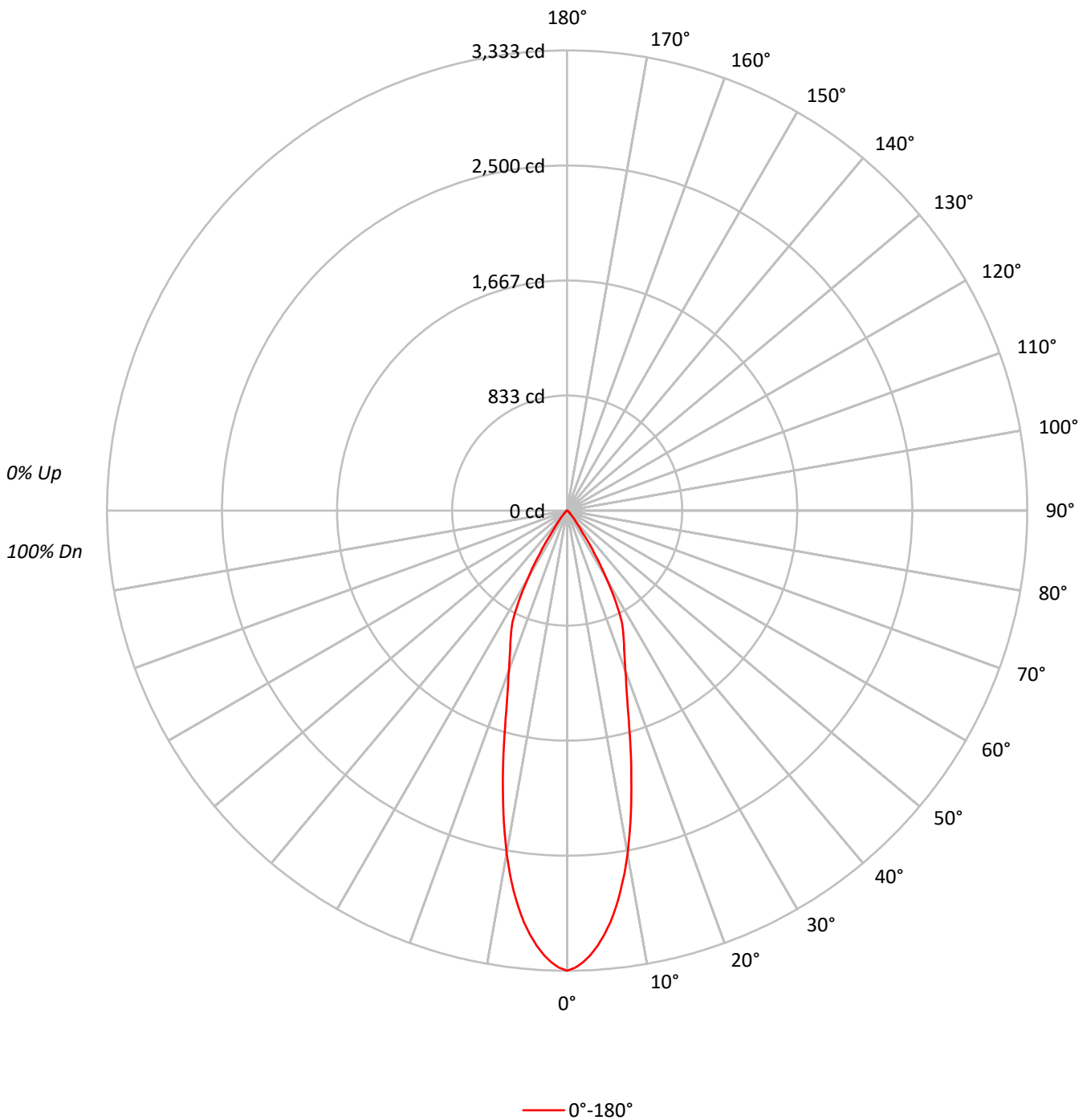
Lumens per Lamp: N/A
Luminaire Lumens: 1388.0 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.59
Luminous Opening: Circular (Dia: 0.02' x H: 0')
CIE Type: Direct

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	84	82	81
5	97	89	84	81	95	88	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	76	91	84	79	76	83	79	75	81	78	75	80	77	74	73
7	89	81	76	72	88	80	76	72	79	75	72	78	74	71	77	74	71	70
8	86	77	72	69	84	77	72	69	76	71	68	75	71	68	74	70	68	67
9	82	74	69	66	81	74	69	65	73	68	65	72	68	65	71	68	65	64
10	79	71	66	63	78	71	66	63	70	65	62	69	65	62	68	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73090635
5°	67873476
10°	56160171
15°	40218165
20°	28779502
25°	23186016
30°	14559202
35°	5211969
40°	2121117
45°	1017160
50°	600407
55°	439650
60°	302607
65°	197168
70°	147461
75°	127085
80°	101023
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.5	19.9
10°-20°	492.0	35.4
20°-30°	423.7	30.5
30°-40°	151.3	10.9
40°-50°	28.5	2.1
50°-60°	10.2	0.7
60°-70°	4.1	0.3
70°-80°	1.4	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°	1192.3	85.9
0°-40°	1343.6	96.8
0°-60°	1382.3	99.6
0°-90°	1388.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1388.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3333	
5°	3084	277
15°	1772	492
25°	958	424
35°	195	151
45°	33	29
55°	12	10
65°	4	4
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3333.2
1°	3311.8
2°	3273.7
3°	3224.8
4°	3160.6
5°	3083.5
6°	2997.2
7°	2895.7
8°	2781.1
9°	2658.2
10°	2522.2
11°	2374.1
12°	2222.9
13°	2068.7
14°	1916.7
15°	1771.6
16°	1631.1
17°	1507.4
18°	1398.2
19°	1309.6
20°	1233.3
21°	1167.6
22°	1105.7
23°	1053.0
24°	1004.2
25°	958.3
26°	905.7
27°	833.9
28°	750.6
29°	662.1
30°	575.0
32.5°	365.8
35°	194.7
37.5°	117.6
40°	74.1
42.5°	49.6
45°	32.8
47.5°	22.1
50°	17.6
52.5°	13.7
55°	11.5
57.5°	8.4
60°	6.9
62.5°	5.3
65°	3.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.1
70°	2.3
72.5°	1.5
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)