

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: P534459

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

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534459
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-927-MB
Description: 3" Track Fixture with Flood Optic
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

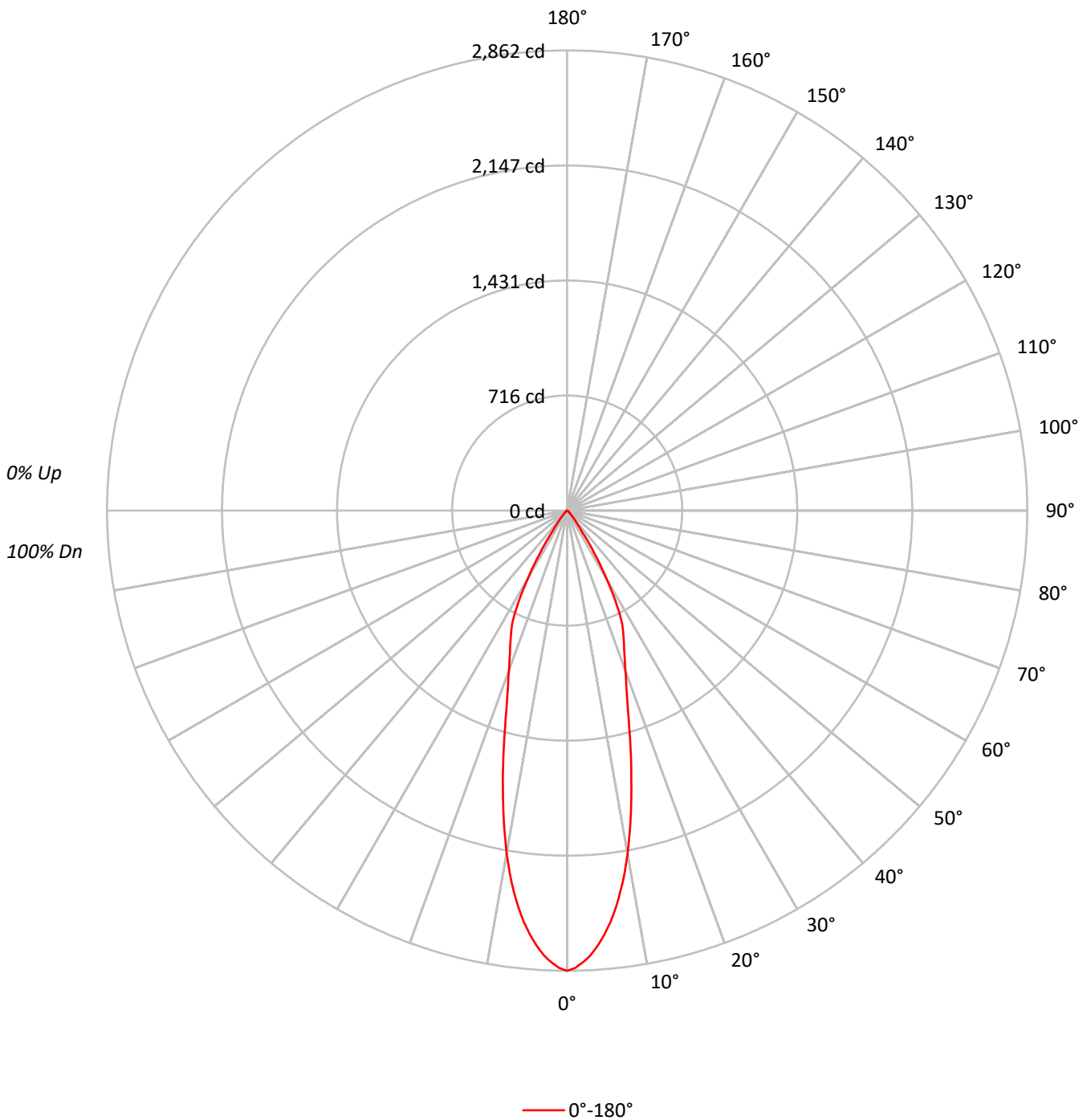
Lumens per Lamp: N/A
Luminaire Lumens: 1192.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.59
Luminous Opening: Circular (Dia: 0.02' x H: 0')
CIE Type: Direct

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	96	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°	62769094
5°	58289525
10°	48231127
15°	34538224
20°	24714482
25°	19912440
30°	12503190
35°	4475815
40°	1820554
45°	874509
50°	515122
55°	374658
60°	258751
65°	171225
70°	128227
75°	110141
80°	88395
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.5	19.9
10°-20°	422.6	35.4
20°-30°	363.9	30.5
30°-40°	130.0	10.9
40°-50°	24.5	2.1
50°-60°	8.7	0.7
60°-70°	3.6	0.3
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°	1023.9	85.9
0°-40°	1153.9	96.8
0°-60°	1187.1	99.6
0°-90°	1192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1192.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2862	
5°	2648	237
15°	1521	423
25°	823	364
35°	167	130
45°	28	24
55°	10	9
65°	3	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2862.5
1°	2844.2
2°	2811.4
3°	2769.4
4°	2714.3
5°	2648.1
6°	2574.0
7°	2486.8
8°	2388.4
9°	2282.8
10°	2166.1
11°	2038.9
12°	1909.0
13°	1776.5
14°	1646.0
15°	1521.4
16°	1400.8
17°	1294.5
18°	1200.8
19°	1124.7
20°	1059.1
21°	1002.7
22°	949.6
23°	904.3
24°	862.4
25°	823.0
26°	777.8
27°	716.1
28°	644.6
29°	568.6
30°	493.8
32.5°	314.1
35°	167.2
37.5°	101.0
40°	63.6
42.5°	42.6
45°	28.2
47.5°	19.0
50°	15.1
52.5°	11.8
55°	9.8
57.5°	7.2
60°	5.9
62.5°	4.6
65°	3.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.6
70°	2.0
72.5°	1.3
75°	1.3
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)