

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: P534438

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

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534438
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: L808-18-FL-940-MB
Description: 3" Track Fixture with Flood Optic
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

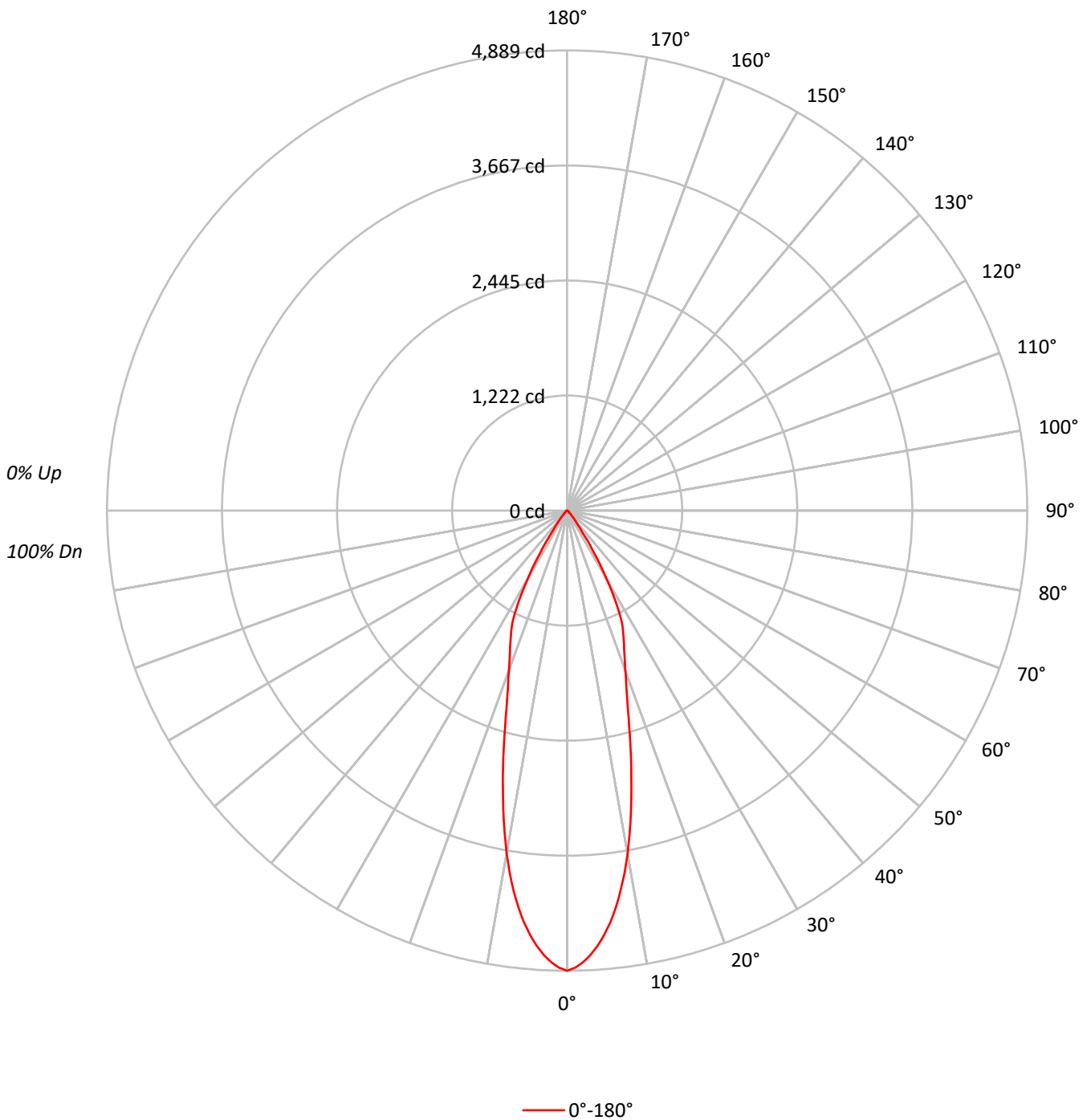
Lumens per Lamp: N/A
Luminaire Lumens: 2036.0 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.59
Luminous Opening: Circular (Dia: 0.02' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	107215094
5°	99561705
10°	82381018
15°	58994664
20°	42213670
25°	34013255
30°	21357717
35°	7645291
40°	3111544
45°	1494729
50°	880142
55°	642271
60°	442947
65°	290563
70°	217985
75°	186392
80°	138907
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.6	19.9
10°-20°	721.8	35.4
20°-30°	621.5	30.5
30°-40°	222.0	10.9
40°-50°	41.9	2.1
50°-60°	14.9	0.7
60°-70°	6.1	0.3
70°-80°	2.0	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°	1748.9	85.9
0°-40°	1970.9	96.8
0°-60°	2027.7	99.6
0°-90°	2036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2036.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4889	
5°	4523	406
15°	2599	722
25°	1406	622
35°	286	222
45°	48	42
55°	17	15
65°	6	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4889.4
1°	4858.0
2°	4802.0
3°	4730.3
4°	4636.2
5°	4523.1
6°	4396.5
7°	4247.5
8°	4079.5
9°	3899.2
10°	3699.8
11°	3482.5
12°	3260.7
13°	3034.4
14°	2811.5
15°	2598.7
16°	2392.6
17°	2211.1
18°	2051.0
19°	1921.0
20°	1809.0
21°	1712.7
22°	1621.9
23°	1544.7
24°	1473.0
25°	1405.8
26°	1328.5
27°	1223.2
28°	1101.1
29°	971.2
30°	843.5
32.5°	536.5
35°	285.6
37.5°	172.5
40°	108.7
42.5°	72.8
45°	48.2
47.5°	32.5
50°	25.8
52.5°	20.2
55°	16.8
57.5°	12.3
60°	10.1
62.5°	7.8
65°	5.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.5
70°	3.4
72.5°	2.2
75°	2.2
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)