

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: P534437

Luminaire Tested: **L808-18-FL-935-MB**

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534437
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-935-MB
Description: 3" Track Fixture with Flood Optic
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

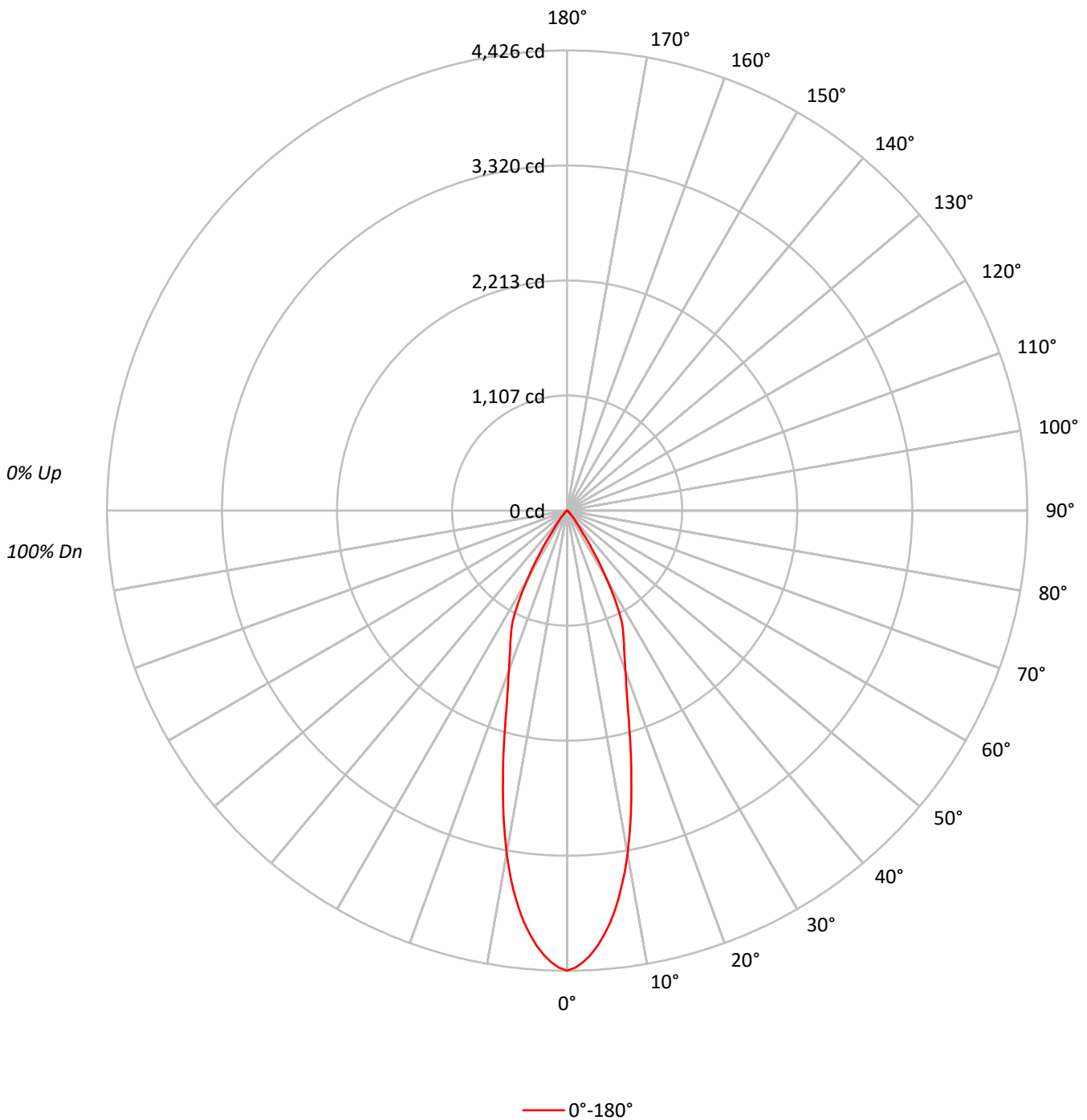
Lumens per Lamp: N/A
Luminaire Lumens: 1843.0 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.59
Luminous Opening: Circular (Dia: 0.02' x H: 0')
CIE Type: Direct

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°	97051435
5°	90123033
10°	74572211
15°	53403258
20°	38211656
25°	30788068
30°	19332088
35°	6922522
40°	2816706
45°	1352078
50°	794857
55°	581102
60°	399091
65°	264620
70°	192340
75°	169447
80°	126279
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.2	19.9
10°-20°	653.3	35.5
20°-30°	562.6	30.5
30°-40°	201.0	10.9
40°-50°	37.9	2.1
50°-60°	13.5	0.7
60°-70°	5.5	0.3
70°-80°	1.8	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°	1583.1	85.9
0°-40°	1784.1	96.8
0°-60°	1835.5	99.6
0°-90°	1843.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1843.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4426	
5°	4094	367
15°	2352	653
25°	1272	563
35°	259	201
45°	44	38
55°	15	14
65°	5	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4425.9
1°	4397.5
2°	4346.8
3°	4281.9
4°	4196.7
5°	4094.3
6°	3979.7
7°	3844.9
8°	3692.8
9°	3529.5
10°	3349.1
11°	3152.4
12°	2951.6
13°	2746.8
14°	2545.0
15°	2352.4
16°	2165.8
17°	2001.5
18°	1856.5
19°	1738.9
20°	1637.5
21°	1550.3
22°	1468.2
23°	1398.2
24°	1333.3
25°	1272.5
26°	1202.5
27°	1107.2
28°	996.7
29°	879.1
30°	763.5
32.5°	485.7
35°	258.6
37.5°	156.1
40°	98.4
42.5°	65.9
45°	43.6
47.5°	29.4
50°	23.3
52.5°	18.3
55°	15.2
57.5°	11.2
60°	9.1
62.5°	7.1
65°	5.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.1
70°	3.0
72.5°	2.0
75°	2.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)