

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: P534445

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

Issue Date: 6/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534445  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2104-229-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L808-18-SP-935-MB  
Description: 3" Track Fixture with Spot Optic  
Light Source: (1) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

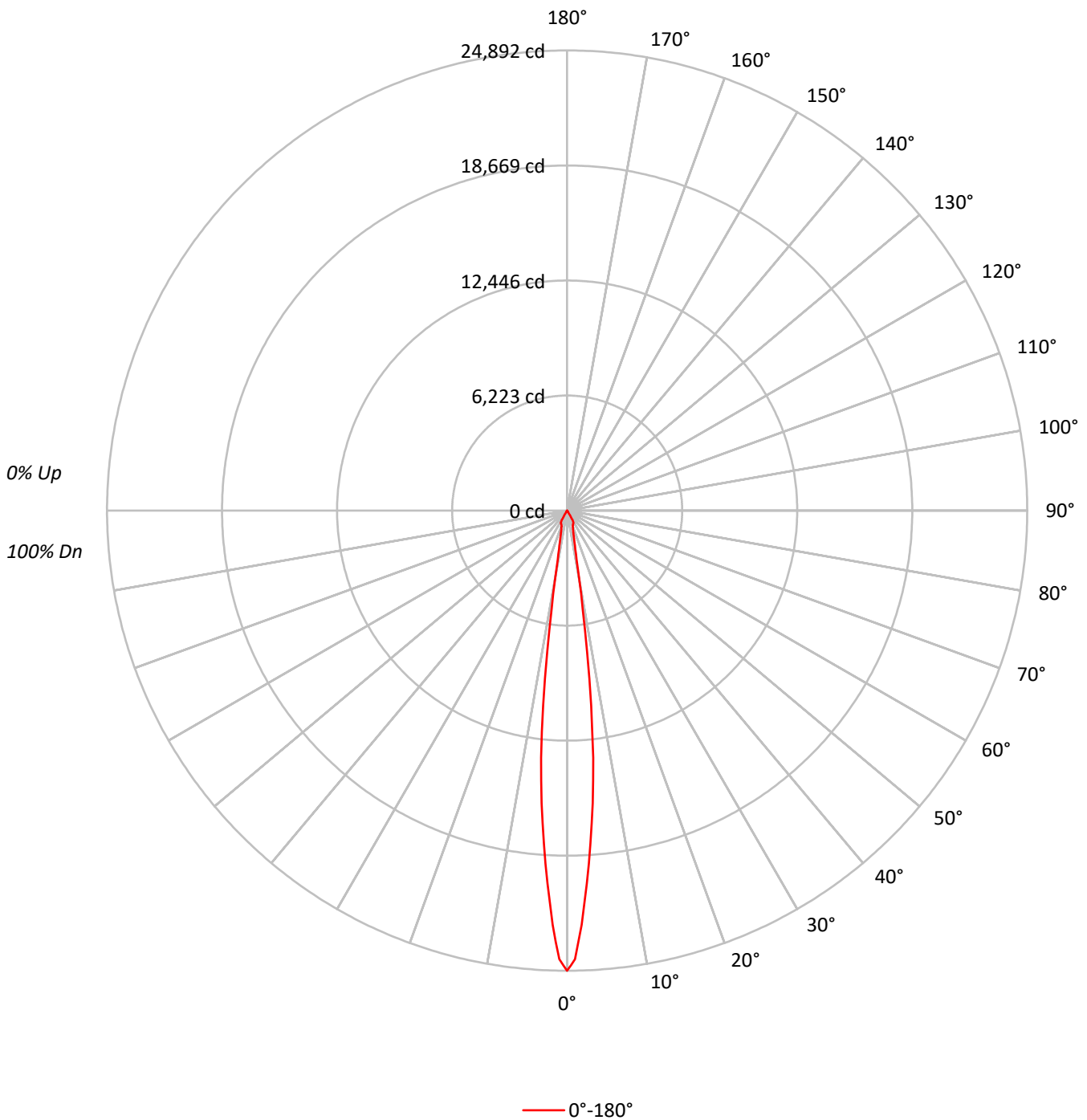
Lumens per Lamp: N/A  
Luminaire Lumens: 1951.9 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.21  
Luminous Opening: Circular (Dia: 0.02' x H: 0')  
CIE Type: Direct

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	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	102	104	102	100	101	100	98	99	97	96	95
3	109	105	101	99	107	103	100	98	101	99	96	99	97	95	97	95	94	92
4	106	101	98	95	105	100	97	94	98	95	93	96	94	92	95	93	91	90
5	103	98	94	92	102	97	94	91	96	93	91	94	92	90	93	91	89	88
6	101	95	92	89	100	95	91	89	93	90	88	92	90	88	91	89	87	86
7	99	93	89	87	98	92	89	86	91	88	86	90	88	86	89	87	85	84
8	96	91	87	85	96	90	87	84	89	86	84	89	86	84	88	85	83	83
9	94	89	85	83	94	88	85	83	88	84	82	87	84	82	86	84	82	81
10	93	87	83	81	92	86	83	81	86	83	81	85	83	81	85	82	80	80

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	545826882
5°	349655708
10°	82717239
15°	29814019
20°	20684465
25°	18918028
30°	13300781
35°	1330431
40°	492351
45°	251189
50°	173981
55°	156745
60°	131568
65°	155659
70°	128227
75°	84724
80°	126279
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1090.1	55.8
10°-20°	417.5	21.4
20°-30°	347.5	17.8
30°-40°	81.7	4.2
40°-50°	7.3	0.4
50°-60°	3.4	0.2
60°-70°	2.9	0.1
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°	1855.1	95.0
0°-40°	1936.8	99.2
0°-60°	1947.5	99.8
0°-90°	1951.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1951.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	24892	
5°	15885	###
15°	1313	418
25°	782	347
35°	50	82
45°	8	7
55°	4	3
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	24891.7
1°	24272.0
2°	22414.1
3°	20211.3
4°	18057.2
5°	15884.9
6°	13446.8
7°	10622.4
8°	7705.6
9°	5403.5
10°	3714.9
11°	2685.5
12°	2132.8
13°	1763.6
14°	1513.1
15°	1313.3
17.5°	1025.3
20°	886.4
22.5°	817.4
25°	781.9
27.5°	731.2
30°	525.3
32.5°	207.9
35°	49.7
37.5°	26.4
40°	17.2
42.5°	12.2
45°	8.1
47.5°	7.1
50°	5.1
52.5°	4.1
55°	4.1
57.5°	3.0
60°	3.0
62.5°	3.0
65°	3.0
67.5°	3.0
70°	2.0
72.5°	2.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)