

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: P534443

Luminaire Tested: **L808-18-SP-927-MB**

Issue Date: 6/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534443  
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-927-MB  
Description: 3" Track Fixture with Spot Optic  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

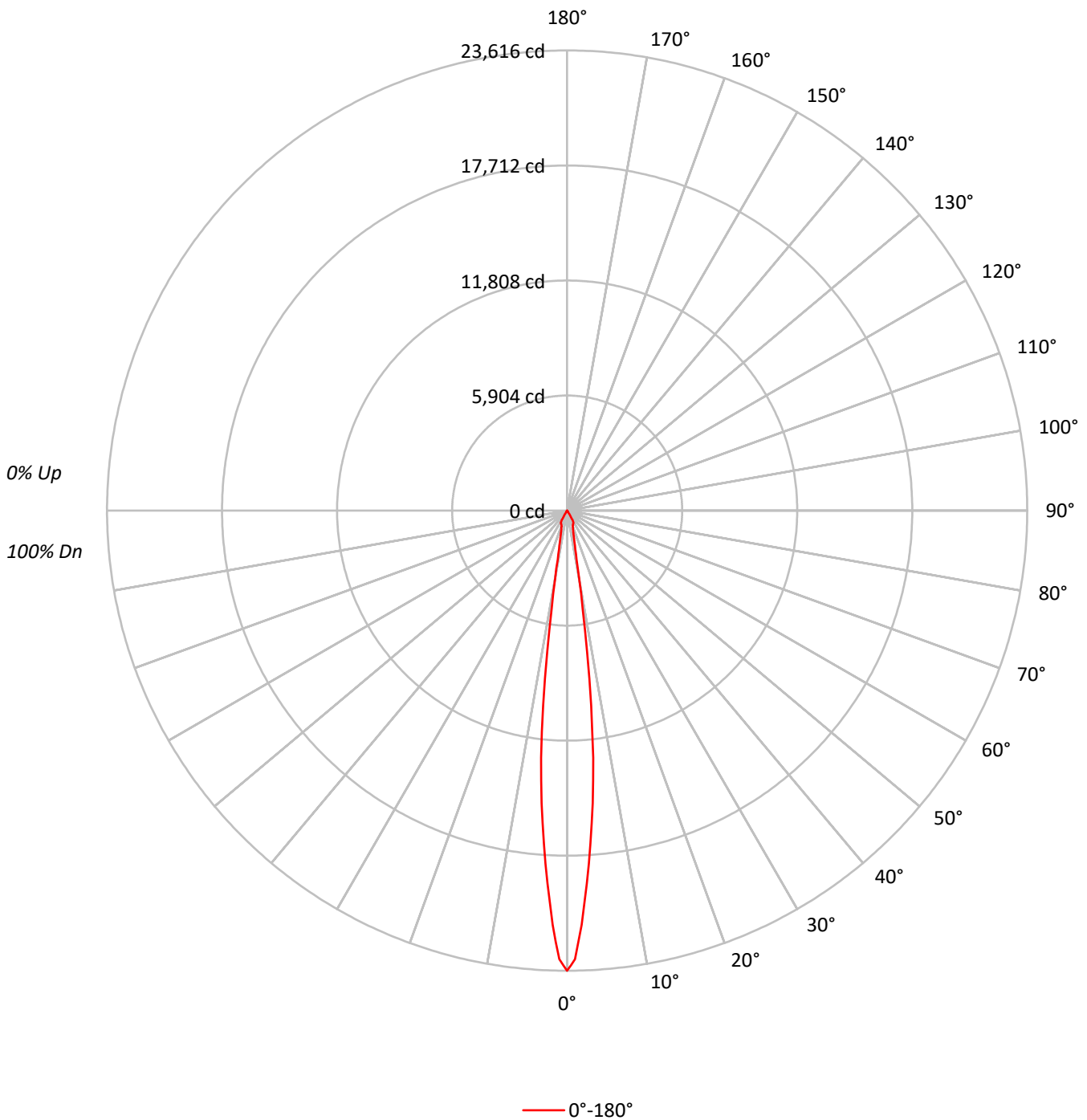
Lumens per Lamp: N/A  
Luminaire Lumens: 1852.0 lumens  
Efficiency: N/A  
Efficacy: 93.5 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.21  
Luminous Opening: Circular (Dia: 0.02' x H: 0')  
CIE Type: Direct

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	98	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°	517864210
5°	331742481
10°	78479954
15°	28288471
20°	19625040
25°	17950230
30°	12619663
35°	1260831
40°	469451
45°	238784
50°	163747
55°	145276
60°	127183
65°	150470
70°	121815
75°	84724
80°	126279
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1034.2	55.8
10°-20°	396.1	21.4
20°-30°	329.7	17.8
30°-40°	77.5	4.2
40°-50°	7.0	0.4
50°-60°	3.2	0.2
60°-70°	2.8	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°	1760.1	95.0
0°-40°	1837.6	99.2
0°-60°	1847.7	99.8
0°-90°	1852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1852.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	23616	
5°	15071	###
15°	1246	396
25°	742	330
35°	47	77
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°	23616.5
1°	23028.6
2°	21265.8
3°	19175.9
4°	17132.2
5°	15071.1
6°	12758.0
7°	10078.2
8°	7310.9
9°	5126.7
10°	3524.6
11°	2547.9
12°	2023.5
13°	1673.3
14°	1435.6
15°	1246.1
17.5°	972.8
20°	841.0
22.5°	775.5
25°	741.9
27.5°	693.8
30°	498.4
32.5°	197.3
35°	47.1
37.5°	25.0
40°	16.4
42.5°	11.5
45°	7.7
47.5°	6.7
50°	4.8
52.5°	3.8
55°	3.8
57.5°	2.9
60°	2.9
62.5°	2.9
65°	2.9
67.5°	2.9
70°	1.9
72.5°	1.9
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)