

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: P534446

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

Issue Date: 6/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534446  
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-940-MB  
Description: 3" Track Fixture with Spot Optic  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

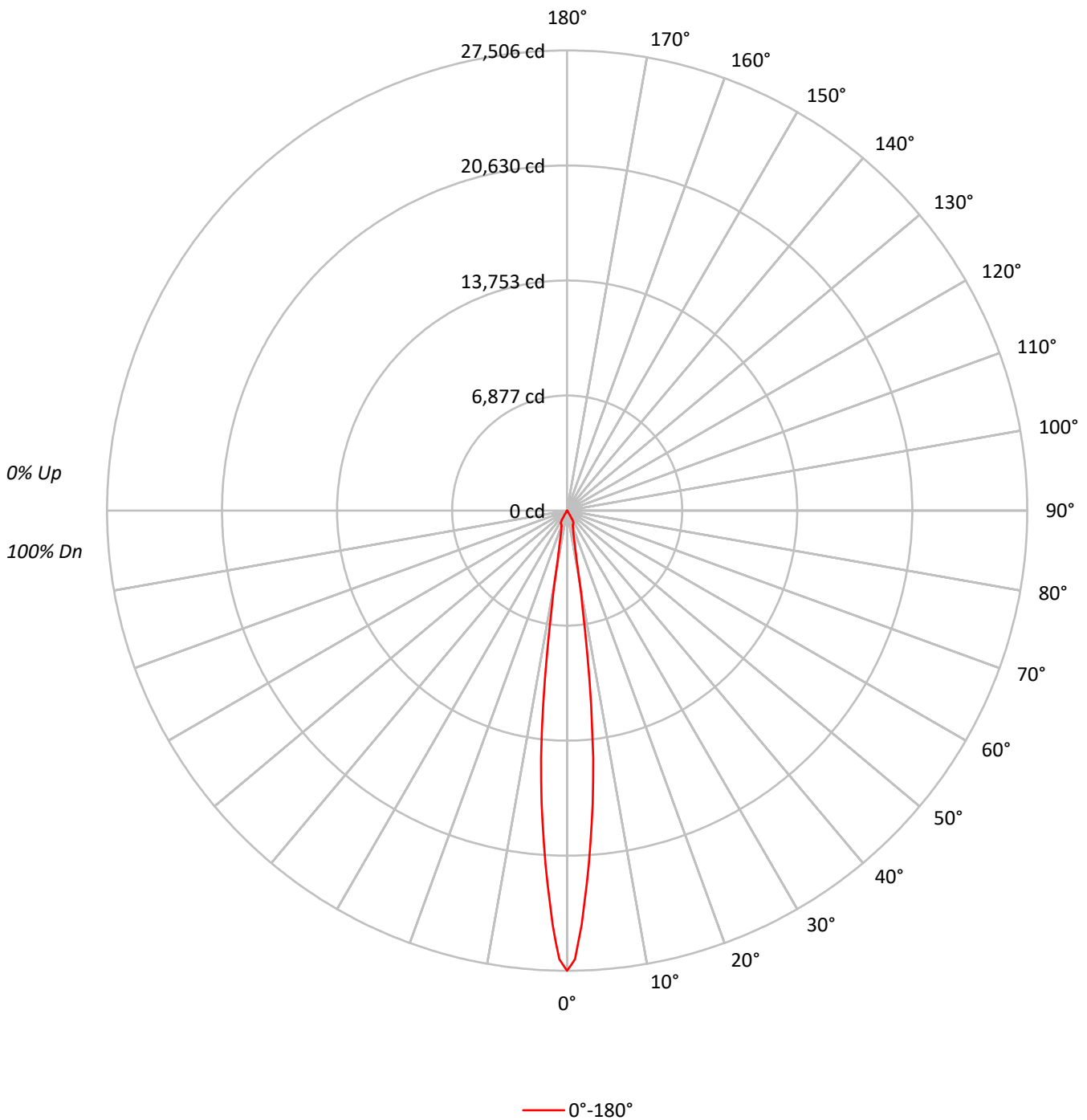
Lumens per Lamp: N/A  
Luminaire Lumens: 2157.0 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.21  
Luminous Opening: Circular (Dia: 0.02' x H: 0')  
CIE Type: Direct

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°	603149044
5°	386375842
10°	91403340
15°	32946841
20°	22856987
25°	20904433
30°	14698464
35°	1469631
40°	546739
45°	279099
50°	191038
55°	172037
60°	149111
65°	176413
70°	141049
75°	93196
80°	138907
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1204.5	55.8
10°-20°	461.4	21.4
20°-30°	384.0	17.8
30°-40°	90.2	4.2
40°-50°	8.1	0.4
50°-60°	3.8	0.2
60°-70°	3.2	0.1
70°-80°	1.6	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°	2049.9	95.0
0°-40°	2140.2	99.2
0°-60°	2152.0	99.8
0°-90°	2157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2157.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	27506	
5°	17553	###
15°	1451	461
25°	864	384
35°	55	90
45°	9	8
55°	4	4
65°	3	3
75°	1	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	27505.8
1°	26821.1
2°	24768.0
3°	22333.9
4°	19953.6
5°	17553.1
6°	14859.0
7°	11737.9
8°	8514.9
9°	5971.0
10°	4105.0
11°	2967.5
12°	2356.8
13°	1948.9
14°	1672.0
15°	1451.3
17.5°	1133.0
20°	979.5
22.5°	903.3
25°	864.0
27.5°	808.0
30°	580.5
32.5°	229.7
35°	54.9
37.5°	29.1
40°	19.1
42.5°	13.4
45°	9.0
47.5°	7.8
50°	5.6
52.5°	4.5
55°	4.5
57.5°	3.4
60°	3.4
62.5°	3.4
65°	3.4
67.5°	3.4
70°	2.2
72.5°	2.2
75°	1.1
77.5°	1.1
80°	1.1
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)