

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: P534450

Luminaire Tested: **L808-30-FL-940-MB**

Issue Date: 6/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534450  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-126-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L808-30-FL-940-MB  
Description: 4" Track Fixture with Flood Optic  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

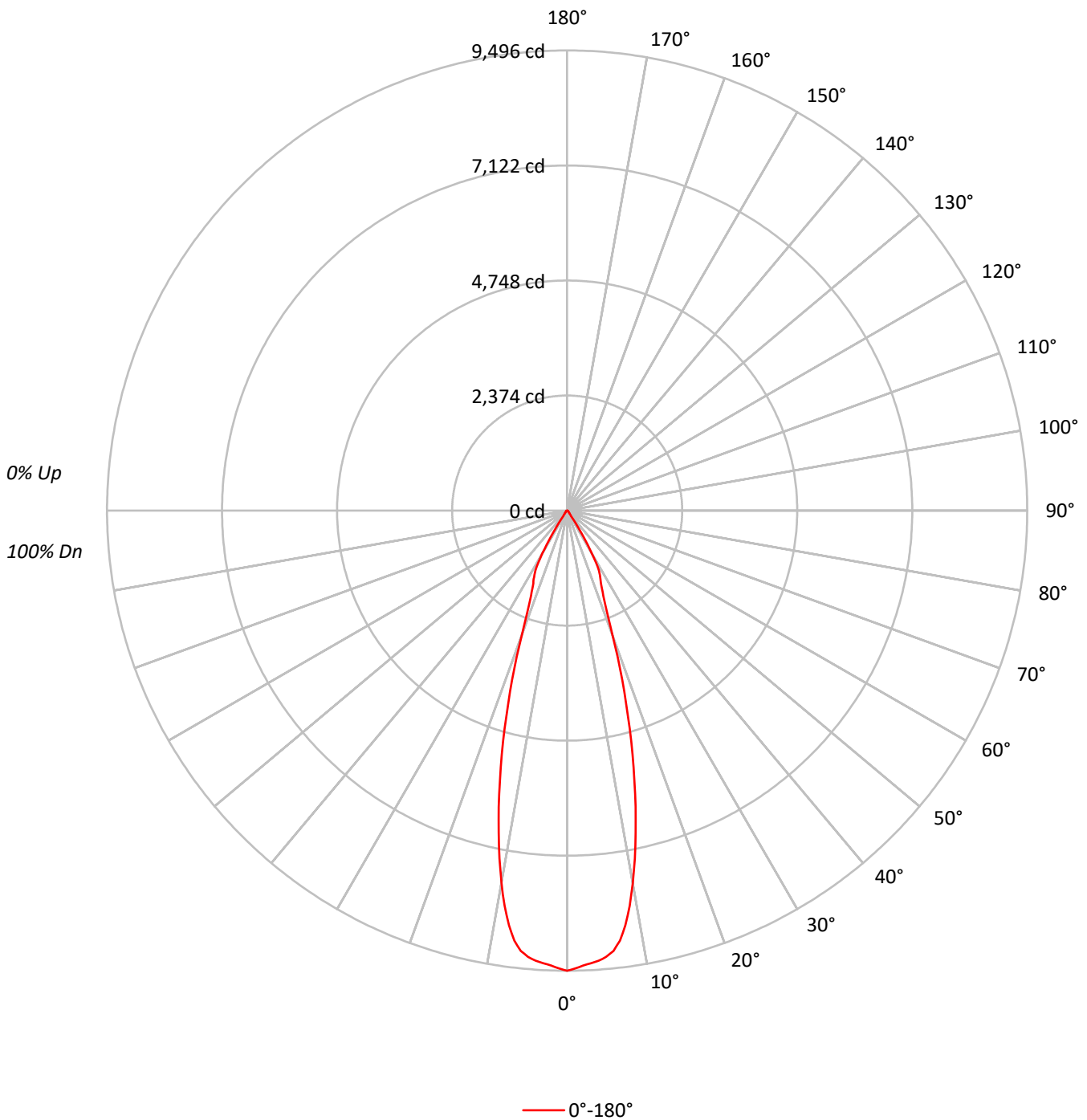
Lumens per Lamp: N/A  
Luminaire Lumens: 3286.0 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.51  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 37  
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	112	110	108	112	110	108	107	106	105	103		103	101	100		99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97		99	97	95		96	95	93	92
3	106	101	97	94	104	100	96	93	97	94	92		95	93	91		93	91	89	88
4	103	97	92	89	101	96	91	88	93	90	87		92	89	86		90	87	85	84
5	99	92	88	84	97	92	87	84	90	86	83		88	85	83		87	84	82	81
6	96	89	84	81	94	88	84	80	86	83	80		85	82	79		84	81	79	78
7	92	85	80	77	91	84	80	77	83	79	77		82	79	76		81	78	76	75
8	89	82	77	74	88	81	77	74	80	76	74		80	76	73		79	75	73	72
9	86	79	74	71	85	78	74	71	78	74	71		77	73	71		76	73	71	69
10	84	76	72	69	83	76	72	69	75	71	68		74	71	68		74	71	68	67

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

	0°
0°	1173646
5°	1147126
10°	979696
15°	666516
20°	360022
25°	225691
30°	146794
35°	24518
40°	11568
45°	7638
50°	5172
55°	3620
60°	2497
65°	1638
70°	1229
75°	1051
80°	783
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	840.2	25.6
10°-20°	1404.3	42.7
20°-30°	784.4	23.9
30°-40°	197.7	6.0
40°-50°	34.9	1.1
50°-60°	15.6	0.5
60°-70°	6.1	0.2
70°-80°	2.4	0.1
80°-90°	0.4	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°	3028.9	92.2
0°-40°	3226.7	98.2
0°-60°	3277.1	99.7
0°-90°	3286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3286.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9496	
5°	9246	840
15°	5209	1404
25°	1655	784
35°	162	198
45°	44	35
55°	17	16
65°	6	6
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9496.1
1°	9451.3
2°	9396.4
3°	9352.7
4°	9311.2
5°	9246.2
6°	9135.3
7°	8940.3
8°	8641.2
9°	8256.8
10°	7806.4
11°	7320.1
12°	6792.4
13°	6272.5
14°	5734.6
15°	5209.1
16°	4676.9
17°	4168.2
18°	3672.9
19°	3193.4
20°	2737.3
21°	2374.3
22°	2099.8
23°	1907.1
24°	1765.9
25°	1655.0
26°	1572.0
27°	1492.5
28°	1399.5
29°	1231.4
30°	1028.6
32.5°	525.5
35°	162.5
37.5°	93.0
40°	71.7
42.5°	56.0
45°	43.7
47.5°	33.6
50°	26.9
52.5°	21.3
55°	16.8
57.5°	13.4
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°	3.4
75°	2.2
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)