

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: P534447

Luminaire Tested: **L808-30-FL-927-MB**

Issue Date: 6/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534447  
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-927-MB  
Description: 4" Track Fixture with Flood Optic  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

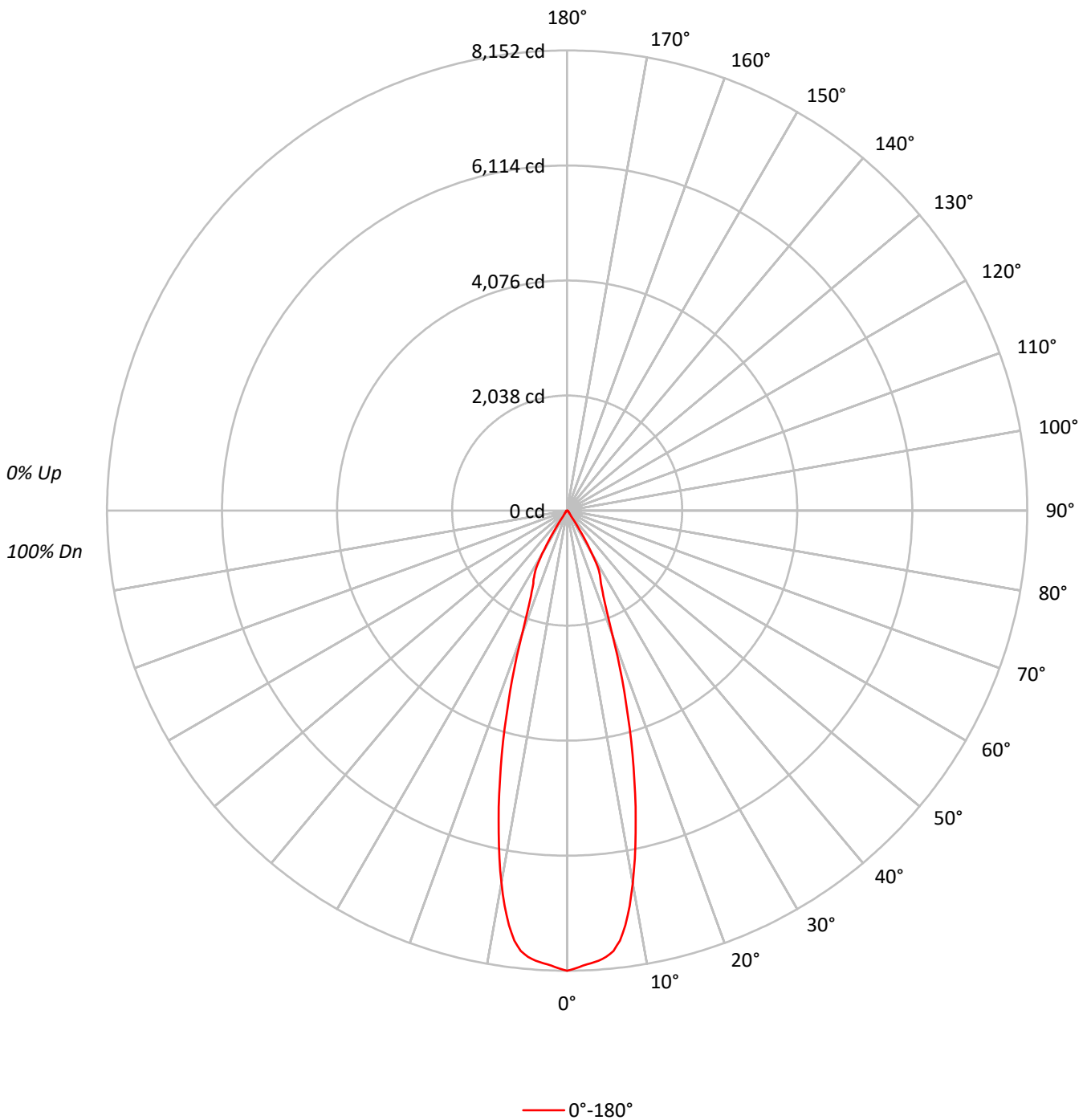
Lumens per Lamp: N/A  
Luminaire Lumens: 2821.0 lumens  
Efficiency: N/A  
Efficacy: 76.2 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.51  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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		79	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	70	68	67

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

	0°
0°	1007563
5°	984800
10°	841057
15°	572203
20°	309082
25°	193753
30°	126015
35°	21048
40°	9938
45°	6554
50°	4442
55°	3103
60°	2151
65°	1404
70°	1048
75°	907
80°	712
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	721.3	25.6
10°-20°	1205.6	42.7
20°-30°	673.4	23.9
30°-40°	169.7	6.0
40°-50°	30.0	1.1
50°-60°	13.4	0.5
60°-70°	5.2	0.2
70°-80°	2.0	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°	2600.3	92.2
0°-40°	2770.1	98.2
0°-60°	2813.4	99.7
0°-90°	2821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2821.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8152	
5°	7938	721
15°	4472	1206
25°	1421	673
35°	140	170
45°	38	30
55°	14	13
65°	5	5
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8152.3
1°	8113.8
2°	8066.7
3°	8029.2
4°	7993.6
5°	7937.8
6°	7842.6
7°	7675.2
8°	7418.3
9°	7088.4
10°	6701.7
11°	6284.2
12°	5831.2
13°	5384.8
14°	4923.1
15°	4472.0
16°	4015.1
17°	3578.4
18°	3153.2
19°	2741.5
20°	2350.0
21°	2038.3
22°	1802.6
23°	1637.2
24°	1516.0
25°	1420.8
26°	1349.6
27°	1281.3
28°	1201.4
29°	1057.2
30°	883.0
32.5°	451.1
35°	139.5
37.5°	79.8
40°	61.6
42.5°	48.1
45°	37.5
47.5°	28.9
50°	23.1
52.5°	18.3
55°	14.4
57.5°	11.5
60°	8.7
62.5°	6.7
65°	4.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	3.8
70°	2.9
72.5°	2.9
75°	1.9
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)