

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: P534453

Luminaire Tested: **L808-30-NF-935-MB**

Issue Date: 6/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534453  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-126-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L808-30-NF-935-MB  
Description: 4" Track Fixture with Narrow Flood Optic  
Light Source: (1) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

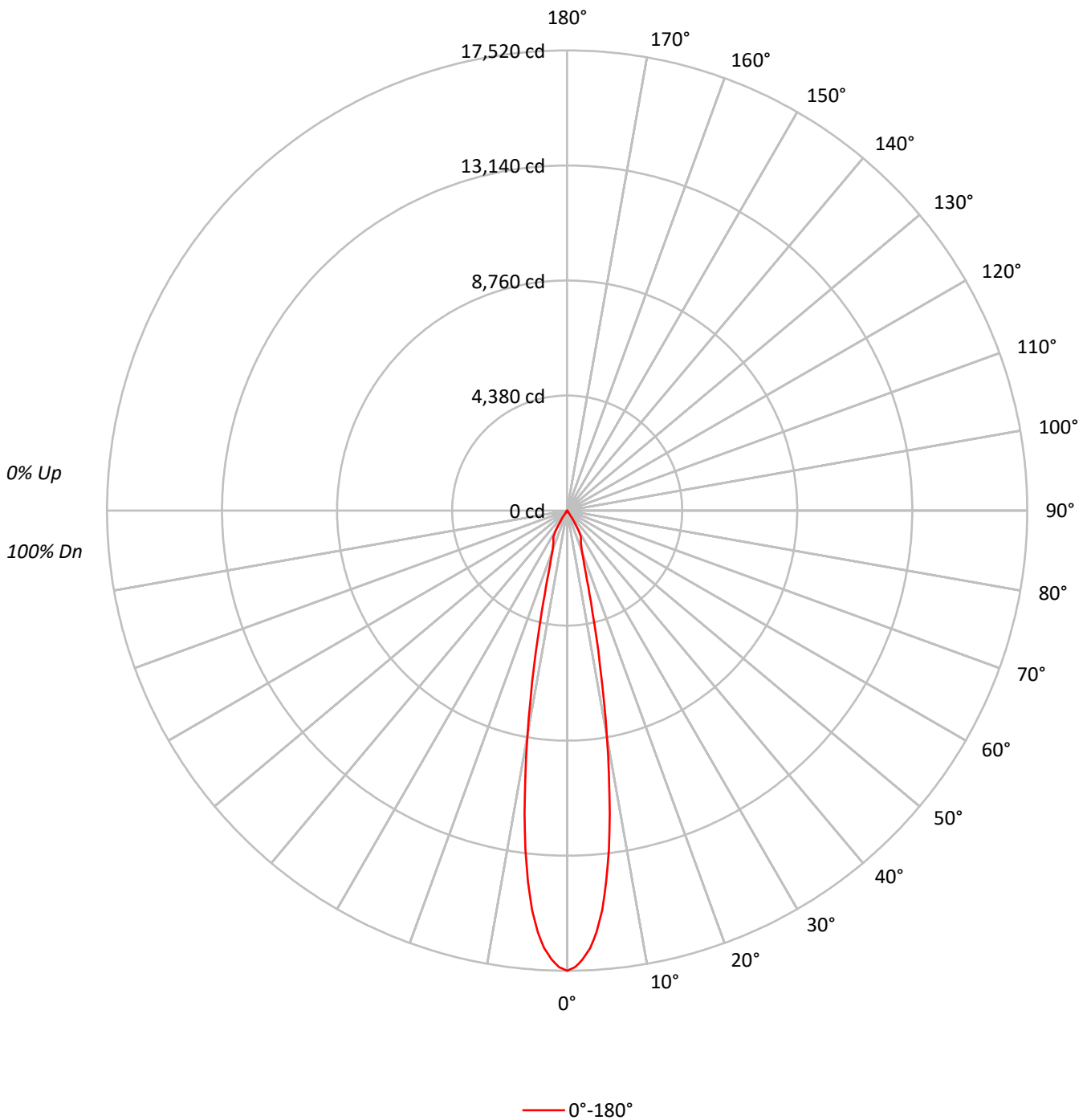
Lumens per Lamp: N/A  
Luminaire Lumens: 3001.0 lumens  
Efficiency: N/A  
Efficacy: 81.1 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P534453  
CATALOG NUMBER: L808-30-NF-935-MB

### Luminous Intensity Polar Plot





TEST NUMBER: P534453

CATALOG NUMBER: L808-30-NF-935-MB

**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	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	91
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85
6	99	93	88	85	97	92	88	85	91	87	85	89	86	84	88	86	84	83
7	96	90	86	83	95	89	85	82	88	85	82	87	84	82	86	83	81	80
8	93	87	83	80	92	86	83	80	86	82	80	85	82	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74

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

	0°
0°	2165340
5°	1894441
10°	1093586
15°	418967
20°	216331
25°	168852
30°	117652
35°	15299
40°	5889
45°	3199
50°	1942
55°	1530
60°	1508
65°	1199
70°	1084
75°	955
80°	712
85°	0



TEST NUMBER: P534453

CATALOG NUMBER: L808-30-NF-935-MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1240.0	41.3
10°-20°	1018.8	33.9
20°-30°	568.9	19.0
30°-40°	144.9	4.8
40°-50°	15.4	0.5
50°-60°	6.6	0.2
60°-70°	4.4	0.1
70°-80°	1.8	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°	2827.7	94.2
0°-40°	2972.6	99.1
0°-60°	2994.6	99.8
0°-90°	3001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3001.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17520	
5°	15270	###
15°	3274	1019
25°	1238	569
35°	101	145
45°	18	15
55°	7	7
65°	4	4
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P534453

CATALOG NUMBER: L808-30-NF-935-MB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	17520.0
1°	17384.1
2°	17093.1
3°	16677.3
4°	16086.1
5°	15269.8
6°	14223.3
7°	13013.5
8°	11660.7
9°	10170.1
10°	8713.9
11°	7322.6
12°	6022.5
13°	4925.3
14°	4003.5
15°	3274.4
16°	2731.9
17°	2327.3
18°	2028.1
19°	1809.1
20°	1644.8
21°	1518.1
22°	1422.7
23°	1347.7
24°	1284.8
25°	1238.2
26°	1199.6
27°	1163.1
28°	1102.3
29°	982.6
30°	824.4
32.5°	404.6
35°	101.4
37.5°	45.6
40°	36.5
42.5°	26.4
45°	18.3
47.5°	13.2
50°	10.1
52.5°	8.1
55°	7.1
57.5°	6.1
60°	6.1
62.5°	5.1
65°	4.1



TEST NUMBER: P534453

CATALOG NUMBER: L808-30-NF-935-MB

**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	4.1
70°	3.0
72.5°	2.0
75°	2.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)