

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: P534465

Luminaire Tested: **L808-13-NF-935-MB**

Issue Date: 6/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534465  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-126-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L808-13-NF-935-MB  
Description: 3" Track Fixture with Narrow Flood Optic  
Light Source: (1) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

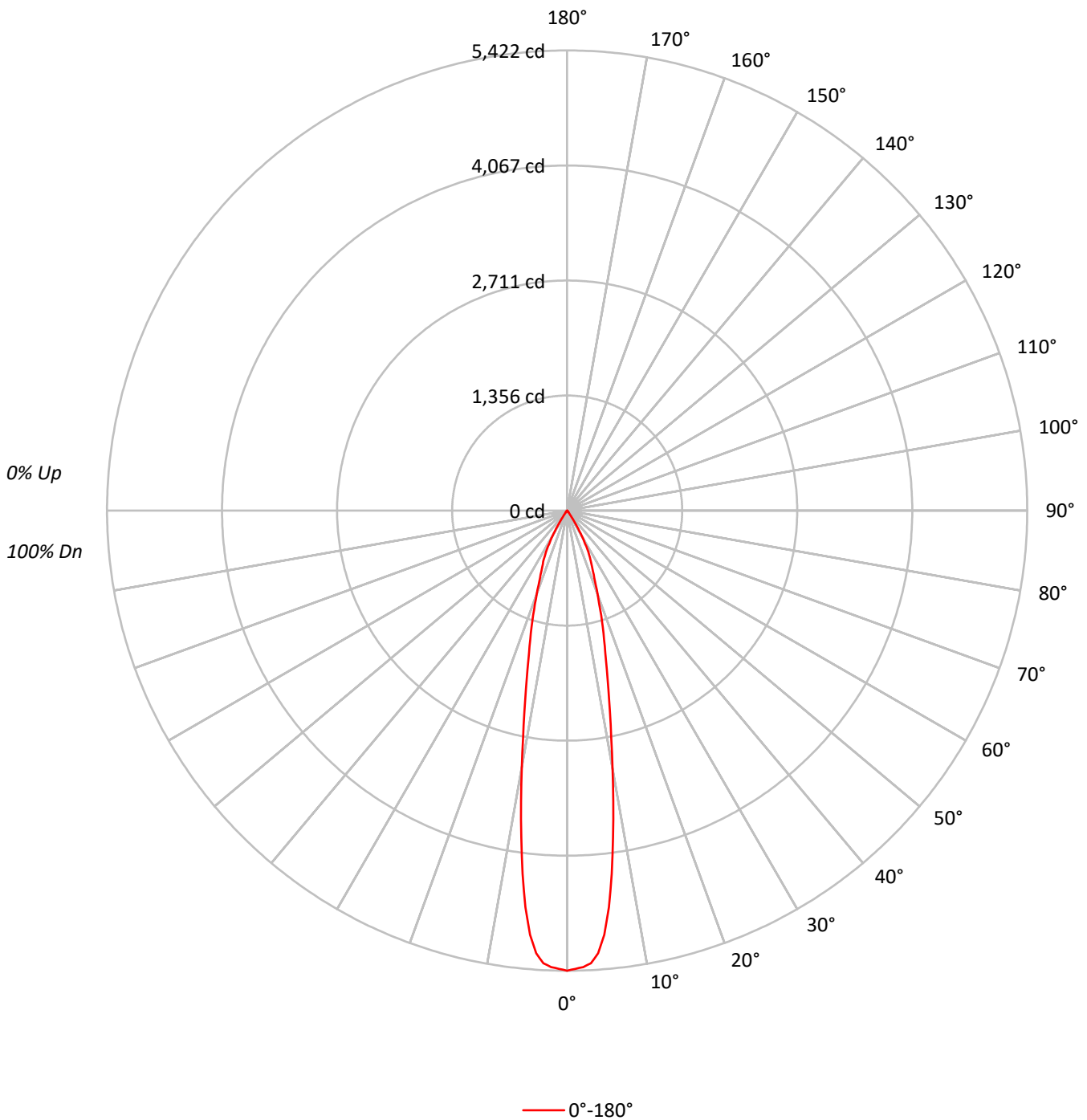
Lumens per Lamp: N/A  
Luminaire Lumens: 1290.1 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41  
Luminous Opening: Circular (Dia: 0.02' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.7  
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	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93		96	94	92		94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89		93	90	88		91	89	87	86
5	100	94	89	86	99	93	89	86	91	88	85		90	87	84		88	86	84	83
6	97	90	86	83	96	89	85	82	88	85	82		87	84	81		86	83	81	80
7	94	87	82	79	93	86	82	79	85	82	79		84	81	78		83	80	78	77
8	91	84	80	77	90	83	79	76	82	79	76		82	78	76		81	78	76	74
9	88	81	77	74	87	81	77	74	80	76	74		79	76	73		78	75	73	72
10	86	79	74	72	85	78	74	71	78	74	71		77	73	71		76	73	71	70

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

	0°
0°	118900561
5°	110455360
10°	68408887
15°	39525766
20°	24404122
25°	16121092
30°	8679817
35°	1868492
40°	555326
45°	279099
50°	139867
55°	107045
60°	92098
65°	108961
70°	89759
75°	59306
80°	88395
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	410.4	31.8
10°-20°	495.2	38.4
20°-30°	301.1	23.3
30°-40°	70.5	5.5
40°-50°	7.6	0.6
50°-60°	2.6	0.2
60°-70°	1.8	0.1
70°-80°	0.8	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°	1206.6	93.5
0°-40°	1277.2	99.0
0°-60°	1287.3	99.8
0°-90°	1290.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1290.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5422	
5°	5018	410
15°	1741	495
25°	666	301
35°	70	71
45°	9	8
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5422.3
1°	5400.2
2°	5381.5
3°	5342.1
4°	5230.2
5°	5018.0
6°	4699.3
7°	4314.3
8°	3889.3
9°	3471.1
10°	3072.3
11°	2726.7
12°	2424.7
13°	2160.6
14°	1931.2
15°	1741.1
16°	1579.3
17°	1431.4
18°	1296.7
19°	1162.6
20°	1045.8
21°	944.2
22°	855.0
23°	780.3
24°	718.8
25°	666.3
26°	613.1
27°	548.1
28°	478.3
29°	409.2
30°	342.8
32.5°	190.1
35°	69.8
37.5°	33.2
40°	19.4
42.5°	13.8
45°	9.0
47.5°	5.5
50°	4.1
52.5°	3.5
55°	2.8
57.5°	2.1
60°	2.1
62.5°	2.1
65°	2.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.4
70°	1.4
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)