

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: P534452

Luminaire Tested: **L808-30-NF-930-MB**

Issue Date: 6/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534452  
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-930-MB  
Description: 4" Track Fixture with Narrow Flood Optic  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

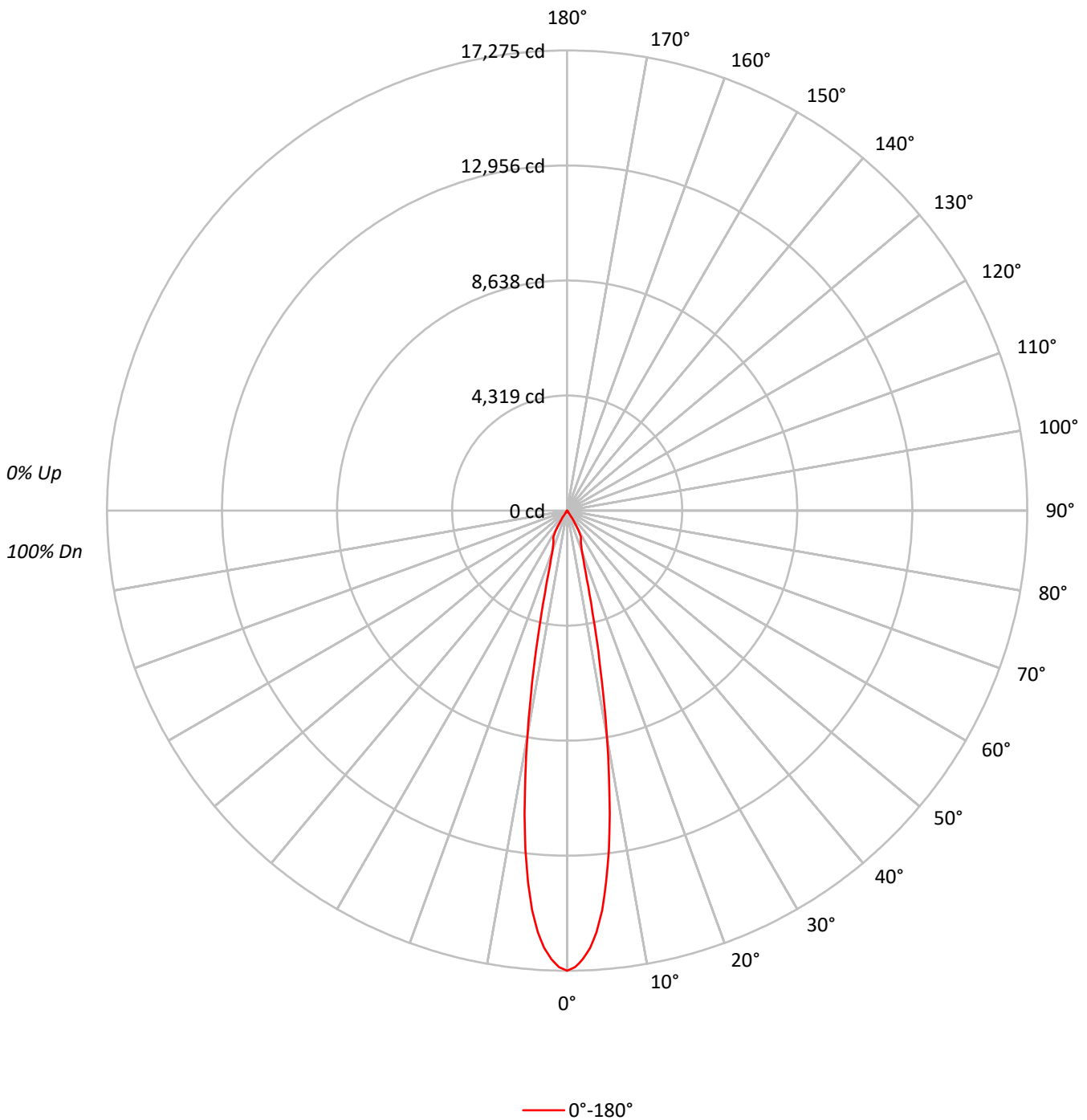
Lumens per Lamp: N/A  
Luminaire Lumens: 2959.0 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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



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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	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°	2135035
5°	1867928
10°	1078275
15°	413107
20°	213306
25°	166479
30°	116011
35°	15088
40°	5808
45°	3146
50°	1923
55°	1508
60°	1483
65°	1170
70°	1084
75°	955
80°	712
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1222.6	41.3
10°-20°	1004.6	33.9
20°-30°	561.0	19.0
30°-40°	142.9	4.8
40°-50°	15.2	0.5
50°-60°	6.5	0.2
60°-70°	4.3	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°	2788.2	94.2
0°-40°	2931.0	99.1
0°-60°	2952.7	99.8
0°-90°	2959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2959.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17275	
5°	15056	###
15°	3229	1005
25°	1221	561
35°	100	143
45°	18	15
55°	7	6
65°	4	4
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	17274.8
1°	17140.8
2°	16853.8
3°	16443.9
4°	15861.0
5°	15056.1
6°	14024.2
7°	12831.4
8°	11497.5
9°	10027.7
10°	8591.9
11°	7220.1
12°	5938.2
13°	4856.4
14°	3947.5
15°	3228.6
16°	2693.7
17°	2294.7
18°	1999.7
19°	1783.8
20°	1621.8
21°	1496.8
22°	1402.8
23°	1328.8
24°	1266.8
25°	1220.8
26°	1182.8
27°	1146.9
28°	1086.9
29°	968.9
30°	812.9
32.5°	398.9
35°	100.0
37.5°	45.0
40°	36.0
42.5°	26.0
45°	18.0
47.5°	13.0
50°	10.0
52.5°	8.0
55°	7.0
57.5°	6.0
60°	6.0
62.5°	5.0
65°	4.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	4.0
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)