

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: P534456

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

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-126-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L808-30-SP-930-MB
Description: 4" Track Fixture with Spot Optic
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

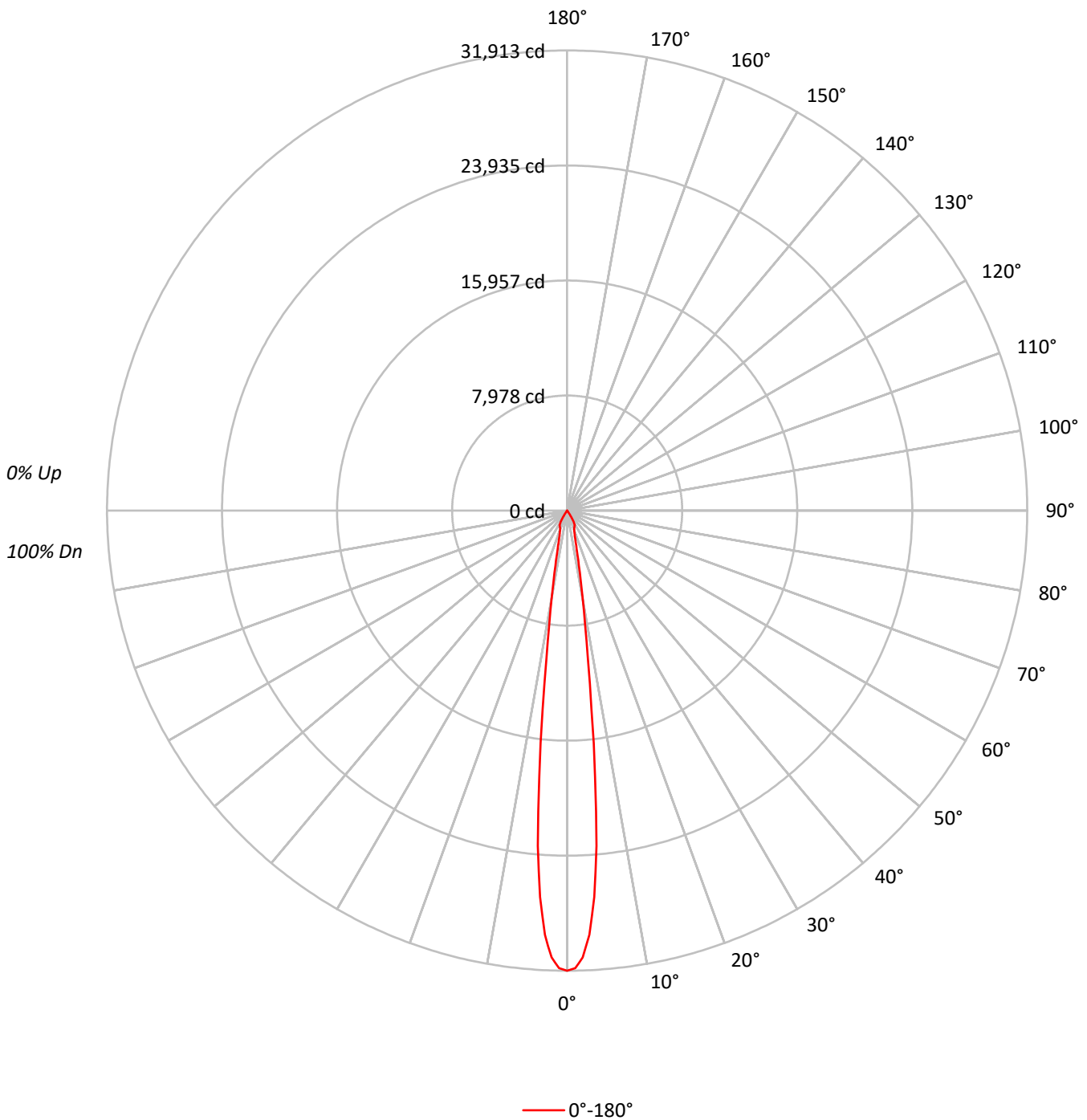
Lumens per Lamp: N/A
Luminaire Lumens: 2991.0 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.23 / 0.23 / 0.22
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 37
Input Voltage (V): 120
Input Current (A_{in}): 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	110	113	111	110	108	107	106	105		104	103	102		100	99	99	97
2	112	108	106	103	110	107	104	102	104	102	100		101	99	98		98	97	96	94
3	109	104	101	98	107	103	100	97	100	98	96		98	96	94		96	94	93	92
4	105	100	97	94	104	99	96	93	97	95	92		96	93	91		94	92	90	89
5	103	97	93	91	101	96	93	90	95	92	89		93	91	89		92	90	88	87
6	100	94	90	88	99	94	90	87	92	89	87		91	88	86		90	88	86	85
7	98	92	88	85	97	91	88	85	90	87	85		89	86	84		88	86	84	83
8	95	89	86	83	94	89	85	83	88	85	82		87	84	82		86	84	82	81
9	93	87	83	81	92	87	83	81	86	83	81		85	82	80		85	82	80	79
10	91	85	82	79	91	85	81	79	84	81	79		84	81	79		83	80	79	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3944206
5°	2896126
10°	777492
15°	297502
20°	189658
25°	163916
30°	118879
35°	17653
40°	4679
45°	2622
50°	1923
55°	1508
60°	1483
65°	1462
70°	1084
75°	955
80°	712
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1541.0	51.5
10°-20°	726.9	24.3
20°-30°	546.5	18.3
30°-40°	149.8	5.0
40°-50°	12.9	0.4
50°-60°	6.9	0.2
60°-70°	4.8	0.2
70°-80°	1.8	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°	2814.3	94.1
0°-40°	2964.1	99.1
0°-60°	2983.9	99.8
0°-90°	2991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2991.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	31913	
5°	23344	###
15°	2325	727
25°	1202	546
35°	117	150
45°	15	13
55°	7	7
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	31913.0
1°	31738.0
2°	31011.0
3°	29458.9
4°	26855.9
5°	23343.7
6°	18568.6
7°	13886.4
8°	10335.3
9°	7955.3
10°	6195.2
11°	4904.2
12°	3907.1
13°	3192.1
14°	2692.1
15°	2325.1
16°	2040.1
17°	1821.1
18°	1653.1
19°	1532.0
20°	1442.0
22.5°	1287.0
25°	1202.0
26°	1175.0
27°	1149.0
28°	1098.0
29°	986.0
30°	833.0
32.5°	428.0
35°	117.0
37.5°	40.0
40°	29.0
42.5°	21.0
45°	15.0
47.5°	12.0
50°	10.0
52.5°	9.0
55°	7.0
57.5°	7.0
60°	6.0
62.5°	6.0
65°	5.0
67.5°	4.0
70°	3.0
72.5°	2.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	2.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)