

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: P534455

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

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534455
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-927-MB
Description: 4" Track Fixture with Spot Optic
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

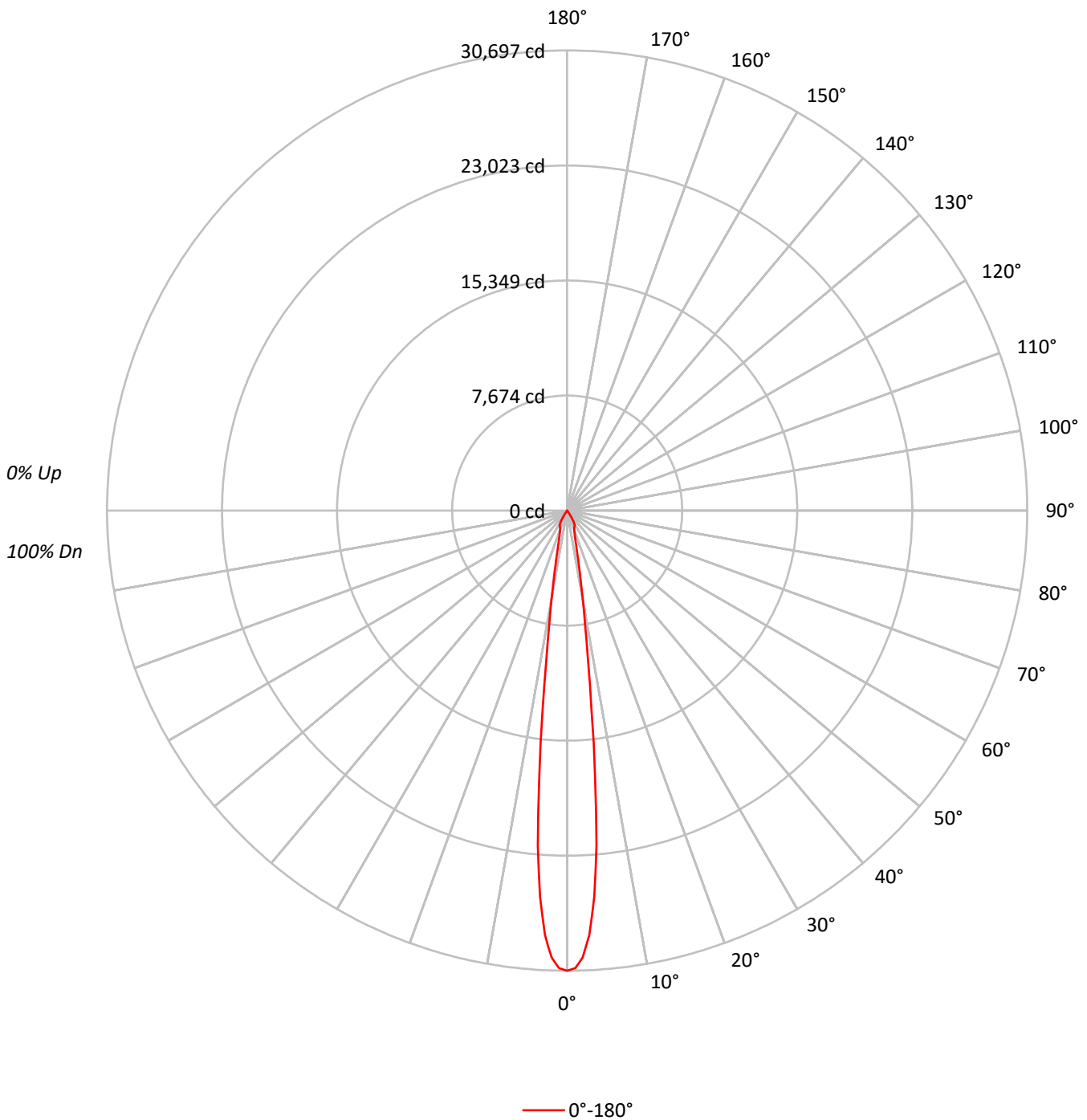
Lumens per Lamp: N/A
Luminaire Lumens: 2877.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.23 / 0.23 / 0.22
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 37
Input Voltage (V): 120
Input Current (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	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°	3793880
5°	2785745
10°	747861
15°	286165
20°	182437
25°	157670
30°	114355
35°	16974
40°	4501
45°	2517
50°	1846
55°	1444
60°	1434
65°	1404
70°	1048
75°	907
80°	712
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1482.2	51.5
10°-20°	699.2	24.3
20°-30°	525.7	18.3
30°-40°	144.1	5.0
40°-50°	12.4	0.4
50°-60°	6.7	0.2
60°-70°	4.6	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°	2707.1	94.1
0°-40°	2851.2	99.1
0°-60°	2870.2	99.8
0°-90°	2877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2877.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	30697	
5°	22454	###
15°	2236	699
25°	1156	526
35°	112	144
45°	14	12
55°	7	7
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	30696.7
1°	30528.3
2°	29829.0
3°	28336.1
4°	25832.3
5°	22454.0
6°	17860.9
7°	13357.2
8°	9941.4
9°	7652.0
10°	5959.1
11°	4717.2
12°	3758.2
13°	3070.4
14°	2589.5
15°	2236.5
16°	1962.3
17°	1751.6
18°	1590.0
19°	1473.7
20°	1387.1
22.5°	1238.0
25°	1156.2
26°	1130.3
27°	1105.2
28°	1056.2
29°	948.4
30°	801.3
32.5°	411.7
35°	112.5
37.5°	38.5
40°	27.9
42.5°	20.2
45°	14.4
47.5°	11.5
50°	9.6
52.5°	8.7
55°	6.7
57.5°	6.7
60°	5.8
62.5°	5.8
65°	4.8
67.5°	3.8
70°	2.9
72.5°	1.9



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CANDELA DISTRIBUTION (continued):

	0°
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)