

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: P534448

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

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-126-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L808-30-FL-930-MB
Description: 4" Track Fixture with Flood Optic
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

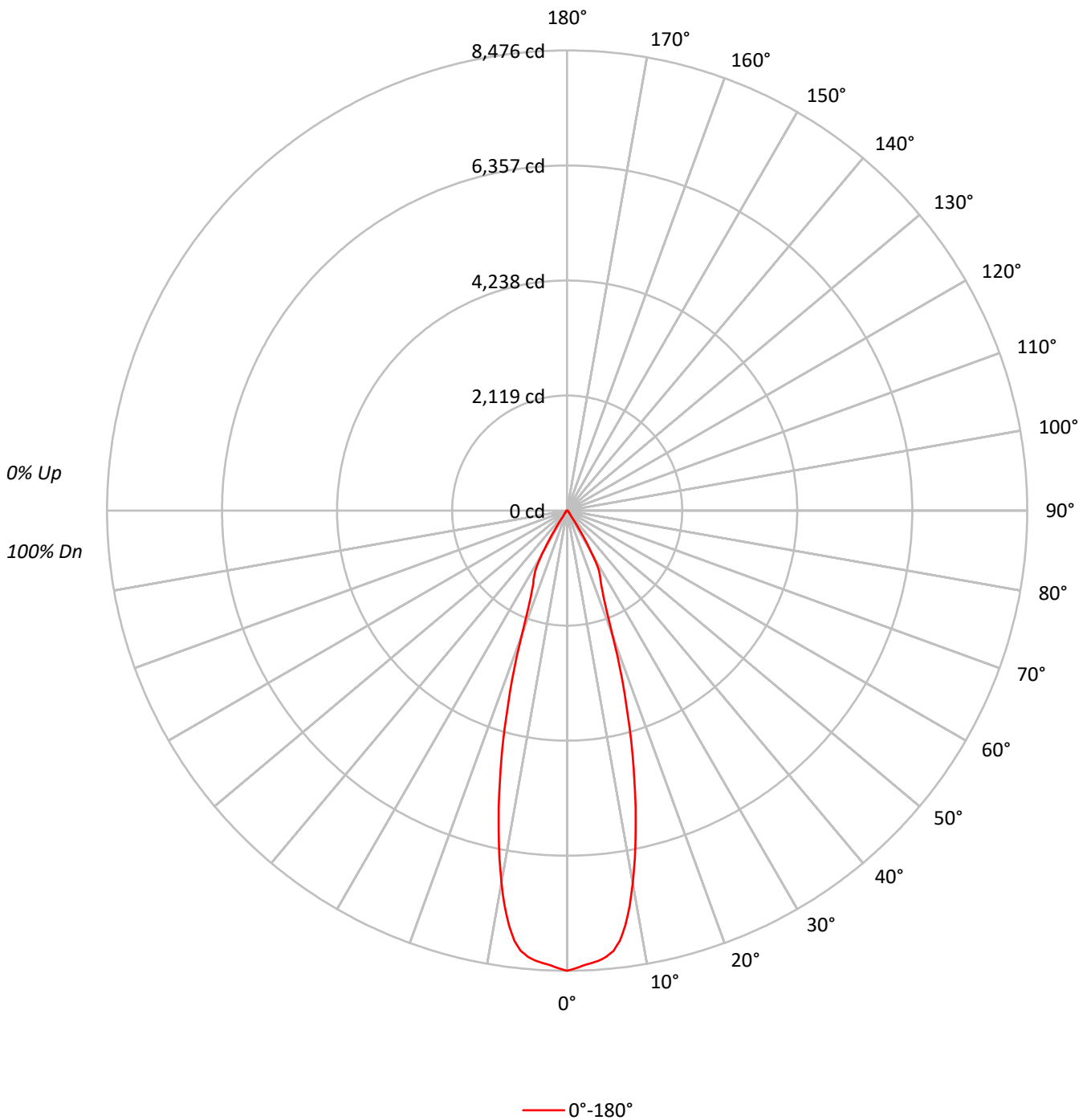
Lumens per Lamp: N/A
Luminaire Lumens: 2933.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.51
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	112	110	108	112	110	108	107	106	105	103		103	101	100		99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97		99	97	95		96	95	93	92
3	106	101	97	94	104	100	96	93	97	94	92		95	93	91		93	91	89	88
4	103	97	92	89	101	96	91	88	93	90	87		92	89	86		90	87	85	84
5	99	92	88	84	97	92	87	84	90	86	83		88	85	83		87	84	82	81
6	96	89	84	81	94	88	84	80	86	83	80		85	82	79		84	81	79	78
7	92	85	80	77	91	84	80	77	83	79	77		82	79	76		81	78	76	75
8	89	82	77	74	88	81	77	74	80	76	74		80	76	73		79	75	73	72
9	86	79	74	71	85	78	74	71	78	74	71		77	73	71		76	73	71	69
10	84	76	72	69	83	76	72	69	75	71	68		74	71	68		74	70	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1047570
5°	1023892
10°	874452
15°	594914
20°	321353
25°	201445
30°	131024
35°	21877
40°	10326
45°	6817
50°	4615
55°	3232
60°	2225
65°	1462
70°	1084
75°	955
80°	712
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	749.9	25.6
10°-20°	1253.4	42.7
20°-30°	700.2	23.9
30°-40°	176.5	6.0
40°-50°	31.1	1.1
50°-60°	13.9	0.5
60°-70°	5.4	0.2
70°-80°	2.1	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°	2703.5	92.2
0°-40°	2880.0	98.2
0°-60°	2925.1	99.7
0°-90°	2933.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2933.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8476	
5°	8253	750
15°	4650	1253
25°	1477	700
35°	145	176
45°	39	31
55°	15	14
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8476.0
1°	8436.0
2°	8386.9
3°	8347.9
4°	8310.9
5°	8252.9
6°	8153.9
7°	7979.9
8°	7712.9
9°	7369.8
10°	6967.8
11°	6533.7
12°	6062.7
13°	5598.6
14°	5118.6
15°	4649.5
16°	4174.5
17°	3720.4
18°	3278.4
19°	2850.3
20°	2443.3
21°	2119.2
22°	1874.2
23°	1702.2
24°	1576.2
25°	1477.2
26°	1403.2
27°	1332.2
28°	1249.1
29°	1099.1
30°	918.1
32.5°	469.1
35°	145.0
37.5°	83.0
40°	64.0
42.5°	50.0
45°	39.0
47.5°	30.0
50°	24.0
52.5°	19.0
55°	15.0
57.5°	12.0
60°	9.0
62.5°	7.0
65°	5.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.0
70°	3.0
72.5°	3.0
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)