

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: P534449

Luminaire Tested: **L808-30-FL-935-MB**

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534449
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-935-MB
Description: 4" Track Fixture with Flood Optic
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

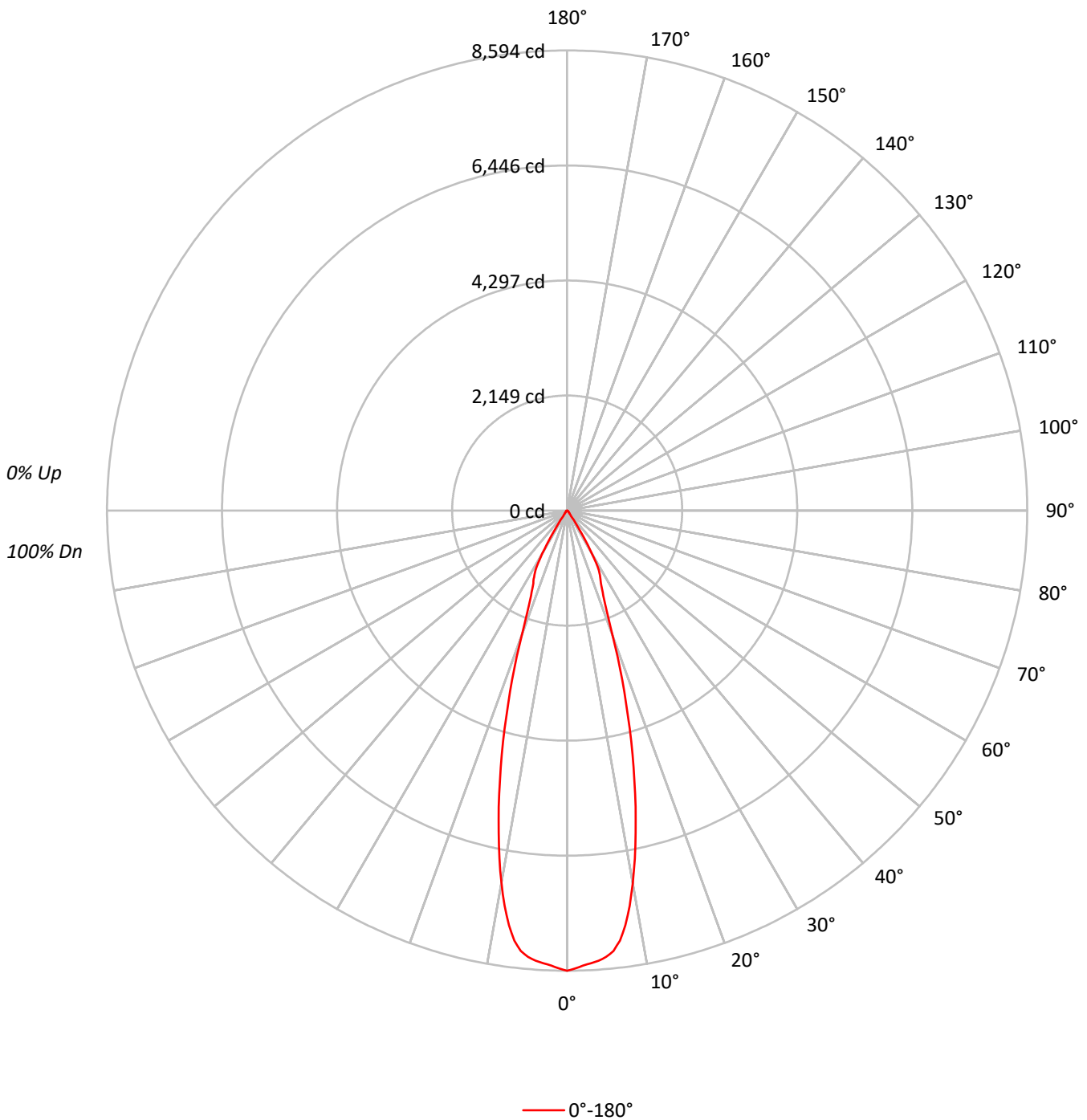
Lumens per Lamp: N/A
Luminaire Lumens: 2974.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.51
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	71	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1062203
5°	1038209
10°	886676
15°	603231
20°	325838
25°	204254
30°	132851
35°	22179
40°	10471
45°	6904
50°	4672
55°	3275
60°	2249
65°	1491
70°	1084
75°	955
80°	712
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	760.4	25.6
10°-20°	1270.9	42.7
20°-30°	710.0	23.9
30°-40°	179.0	6.0
40°-50°	31.6	1.1
50°-60°	14.1	0.5
60°-70°	5.5	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°	2741.3	92.2
0°-40°	2920.3	98.2
0°-60°	2965.9	99.7
0°-90°	2974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2974.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8594	
5°	8368	760
15°	4714	1271
25°	1498	710
35°	147	179
45°	40	32
55°	15	14
65°	5	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8594.4
1°	8553.9
2°	8504.2
3°	8464.6
4°	8427.1
5°	8368.3
6°	8267.9
7°	8091.5
8°	7820.7
9°	7472.9
10°	7065.2
11°	6625.1
12°	6147.4
13°	5676.9
14°	5190.1
15°	4714.5
16°	4232.8
17°	3772.4
18°	3324.2
19°	2890.2
20°	2477.4
21°	2148.9
22°	1900.4
23°	1726.0
24°	1598.2
25°	1497.8
26°	1422.8
27°	1350.8
28°	1266.6
29°	1114.5
30°	930.9
32.5°	475.6
35°	147.0
37.5°	84.2
40°	64.9
42.5°	50.7
45°	39.5
47.5°	30.4
50°	24.3
52.5°	19.3
55°	15.2
57.5°	12.2
60°	9.1
62.5°	7.1
65°	5.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.1
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)