

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: P534451

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

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534451
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-927-MB
Description: 4" Track Fixture with Narrow Flood Optic
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

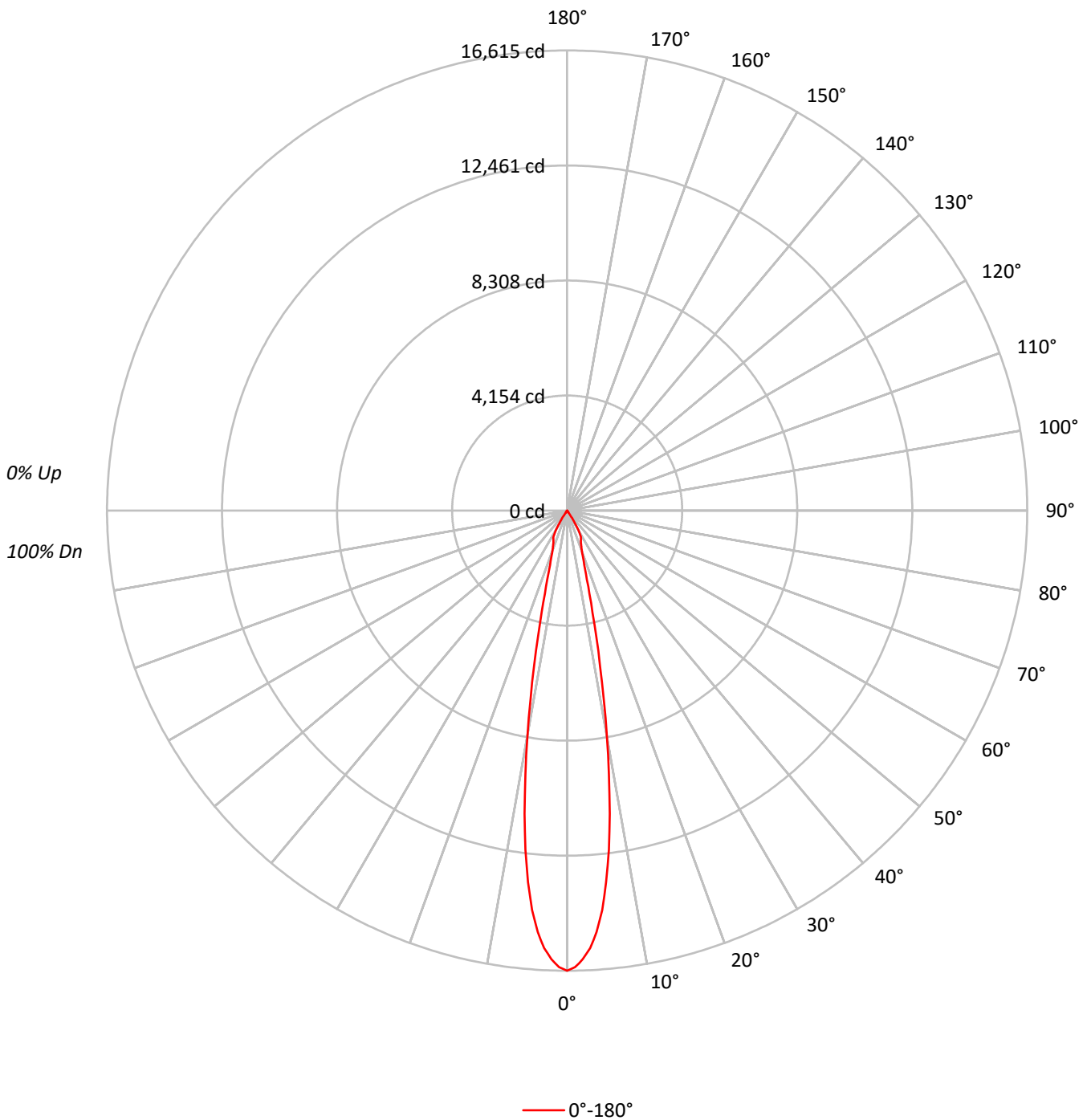
Lumens per Lamp: N/A
Luminaire Lumens: 2846.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 37
Input Voltage (V): 120
Input Current (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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	96	95	
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	94	93	92	
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	91	91	90	89	
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	88	86	85	
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85	85	84	83	
6	99	93	88	85	97	92	88	85	91	87	85	89	86	84	88	86	84	83	83	82	81	
7	96	90	86	83	95	89	85	82	88	85	82	87	84	82	86	83	81	80	80	79	78	
8	93	87	83	80	92	86	83	80	86	82	80	85	82	79	84	81	79	78	78	77	76	
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	76	75	74	
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	74	73	72	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2053501
5°	1796591
10°	1037099
15°	397330
20°	205165
25°	160125
30°	111587
35°	14515
40°	5582
45°	3024
50°	1846
55°	1444
60°	1434
65°	1111
70°	1048
75°	907
80°	712
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1175.9	41.3
10°-20°	966.2	33.9
20°-30°	539.5	19.0
30°-40°	137.4	4.8
40°-50°	14.6	0.5
50°-60°	6.2	0.2
60°-70°	4.1	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°	2681.7	94.2
0°-40°	2819.1	99.1
0°-60°	2840.0	99.8
0°-90°	2846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2846.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16615	
5°	14481	###
15°	3105	966
25°	1174	540
35°	96	137
45°	17	15
55°	7	6
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16615.1
1°	16486.2
2°	16210.2
3°	15815.9
4°	15255.3
5°	14481.1
6°	13488.6
7°	12341.3
8°	11058.5
9°	9644.8
10°	8263.8
11°	6944.4
12°	5711.5
13°	4670.9
14°	3796.7
15°	3105.3
16°	2590.8
17°	2207.1
18°	1923.4
19°	1715.7
20°	1559.9
21°	1439.6
22°	1349.2
23°	1278.1
24°	1218.5
25°	1174.2
26°	1137.7
27°	1103.1
28°	1045.4
29°	931.9
30°	781.9
32.5°	383.7
35°	96.2
37.5°	43.3
40°	34.6
42.5°	25.0
45°	17.3
47.5°	12.5
50°	9.6
52.5°	7.7
55°	6.7
57.5°	5.8
60°	5.8
62.5°	4.8
65°	3.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.8
70°	2.9
72.5°	1.9
75°	1.9
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)