

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: P534454

Luminaire Tested: **L808-30-NF-940-MB**

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534454
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-940-MB
Description: 4" Track Fixture with Narrow Flood Optic
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

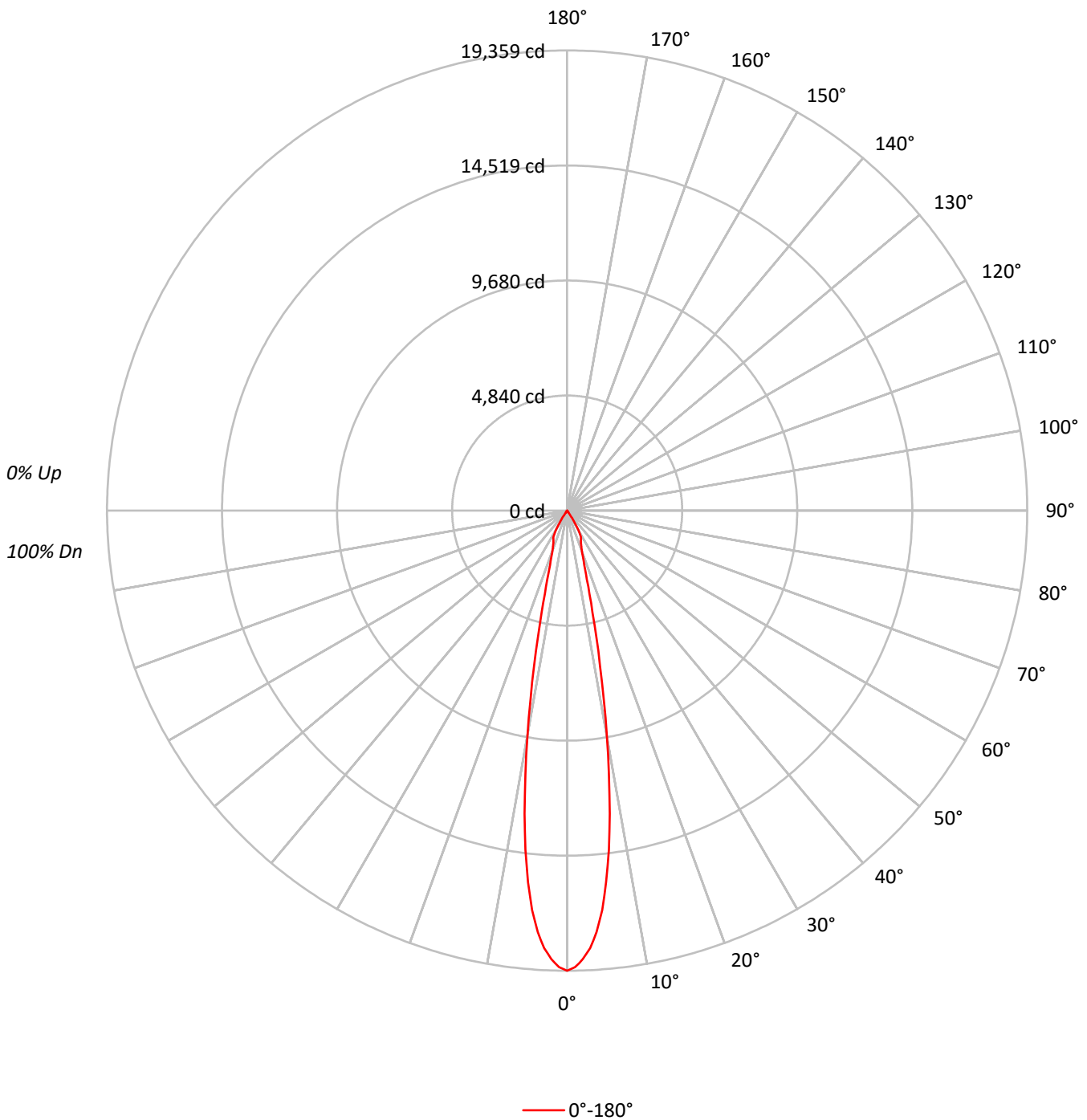
Lumens per Lamp: N/A
Luminaire Lumens: 3316.0 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	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	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	91
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85
6	99	93	88	85	97	92	88	85	91	87	85	89	86	84	88	86	84	83
7	96	90	86	83	95	89	85	82	88	85	82	87	84	82	86	83	81	80
8	93	87	83	80	92	86	83	80	86	82	80	85	82	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2392626
5°	2093291
10°	1208368
15°	462944
20°	239045
25°	186567
30°	130011
35°	16913
40°	6502
45°	3531
50°	2153
55°	1681
60°	1656
65°	1316
70°	1229
75°	1051
80°	783
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1370.1	41.3
10°-20°	1125.8	33.9
20°-30°	628.7	19.0
30°-40°	160.1	4.8
40°-50°	17.0	0.5
50°-60°	7.2	0.2
60°-70°	4.9	0.1
70°-80°	2.0	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°	3124.5	94.2
0°-40°	3284.7	99.1
0°-60°	3308.9	99.8
0°-90°	3316.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3316.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19359	
5°	16873	###
15°	3618	1126
25°	1368	629
35°	112	160
45°	20	17
55°	8	7
65°	4	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19359.0
1°	19208.8
2°	18887.2
3°	18427.8
4°	17774.6
5°	16872.6
6°	15716.2
7°	14379.4
8°	12884.7
9°	11237.6
10°	9628.5
11°	8091.2
12°	6654.7
13°	5442.3
14°	4423.8
15°	3618.1
16°	3018.6
17°	2571.6
18°	2241.0
19°	1999.0
20°	1817.5
21°	1677.4
22°	1572.1
23°	1489.2
24°	1419.7
25°	1368.1
26°	1325.6
27°	1285.2
28°	1218.0
29°	1085.8
30°	911.0
32.5°	447.1
35°	112.1
37.5°	50.4
40°	40.3
42.5°	29.1
45°	20.2
47.5°	14.6
50°	11.2
52.5°	9.0
55°	7.8
57.5°	6.7
60°	6.7
62.5°	5.6
65°	4.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.5
70°	3.4
72.5°	2.2
75°	2.2
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)