

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: P534466

Luminaire Tested: **L808-13-NF-940-MB**

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-126-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L808-13-NF-940-MB
Description: 3" Track Fixture with Narrow Flood Optic
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

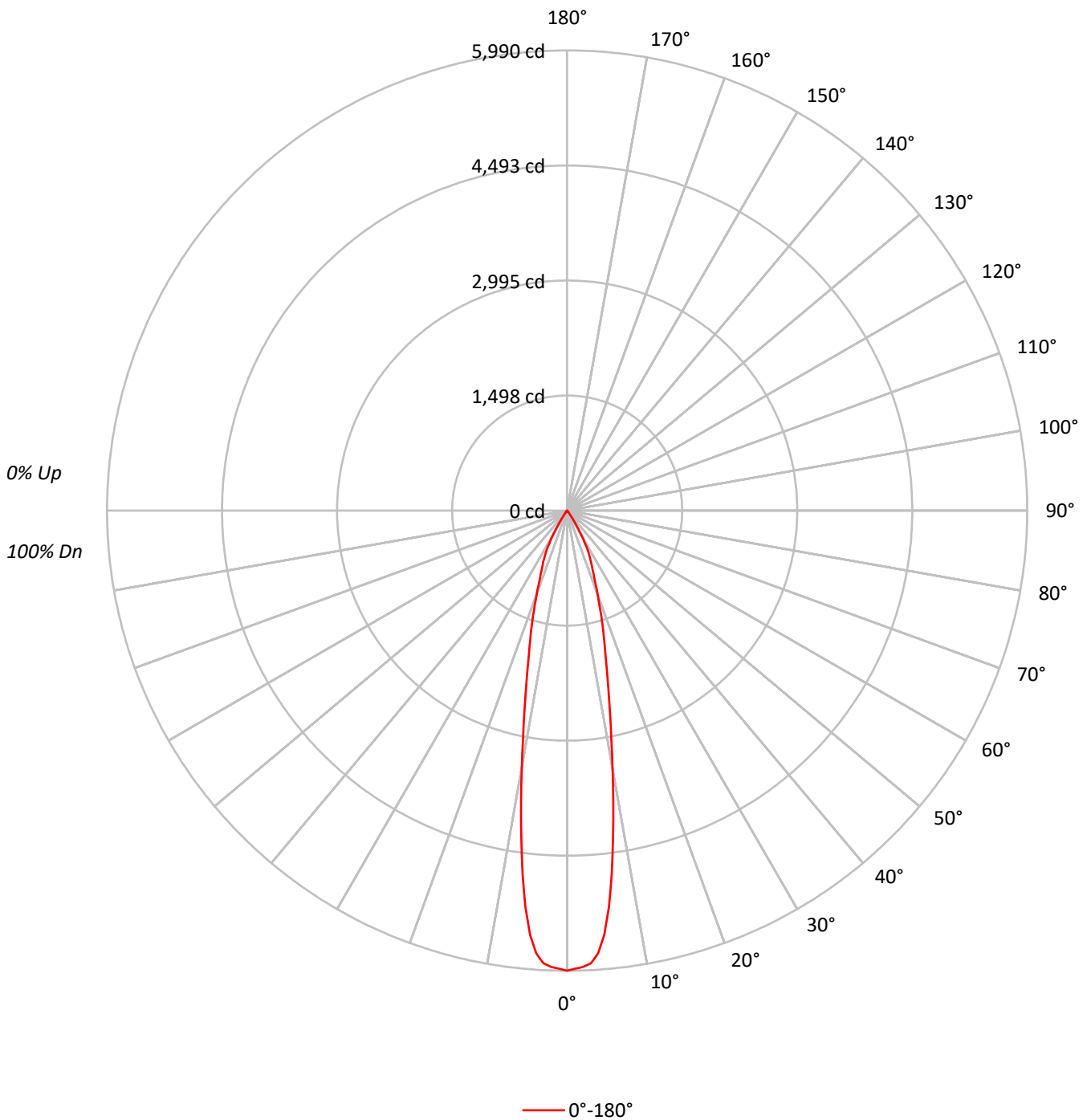
Lumens per Lamp: N/A
Luminaire Lumens: 1425.0 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.02' x H: 0')
CIE Type: Direct

Input Watts (W): 12.7
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	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93		96	94	92		94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89		93	90	88		91	89	87	86
5	100	94	89	86	99	93	89	86	91	88	85		90	87	84		88	86	84	83
6	97	90	86	83	96	89	85	82	88	85	82		87	84	81		86	83	81	80
7	94	87	82	79	93	86	82	79	85	82	79		84	81	78		83	80	78	77
8	91	84	80	77	90	83	79	76	82	79	76		82	78	76		81	78	76	74
9	88	81	77	74	87	81	77	74	80	76	74		79	76	73		78	75	73	72
10	86	79	74	72	85	78	74	71	78	74	71		77	73	71		76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	131344740
5°	122013771
10°	75567516
15°	43661999
20°	26957010
25°	17807480
30°	9588817
35°	2063907
40°	612576
45°	307009
50°	156924
55°	118514
60°	100869
65°	119338
70°	96170
75°	67779
80°	101023
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.3	31.8
10°-20°	547.0	38.4
20°-30°	332.6	23.3
30°-40°	77.9	5.5
40°-50°	8.4	0.6
50°-60°	2.8	0.2
60°-70°	2.0	0.1
70°-80°	0.9	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°	1332.9	93.5
0°-40°	1410.8	99.0
0°-60°	1422.0	99.8
0°-90°	1425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1425.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5990	
5°	5543	453
15°	1923	547
25°	736	333
35°	77	78
45°	10	8
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5989.8
1°	5965.3
2°	5944.7
3°	5901.2
4°	5777.5
5°	5543.1
6°	5191.1
7°	4765.8
8°	4296.3
9°	3834.4
10°	3393.8
11°	3012.1
12°	2678.4
13°	2386.7
14°	2133.3
15°	1923.3
16°	1744.6
17°	1581.2
18°	1432.4
19°	1284.2
20°	1155.2
21°	1043.0
22°	944.5
23°	862.0
24°	794.1
25°	736.0
26°	677.2
27°	605.5
28°	528.4
29°	452.0
30°	378.7
32.5°	210.0
35°	77.1
37.5°	36.6
40°	21.4
42.5°	15.3
45°	9.9
47.5°	6.1
50°	4.6
52.5°	3.8
55°	3.1
57.5°	2.3
60°	2.3
62.5°	2.3
65°	2.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.5
70°	1.5
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)