

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: P184299

Luminaire Tested: **L80808NF9040AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27058)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80808NF9040AH
Description: HALO TRACK L LED 08, 850 LM, NARROW FLOOD, ALUMINIUM HAZE

Light Source: EATON LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1068.1 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.38
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

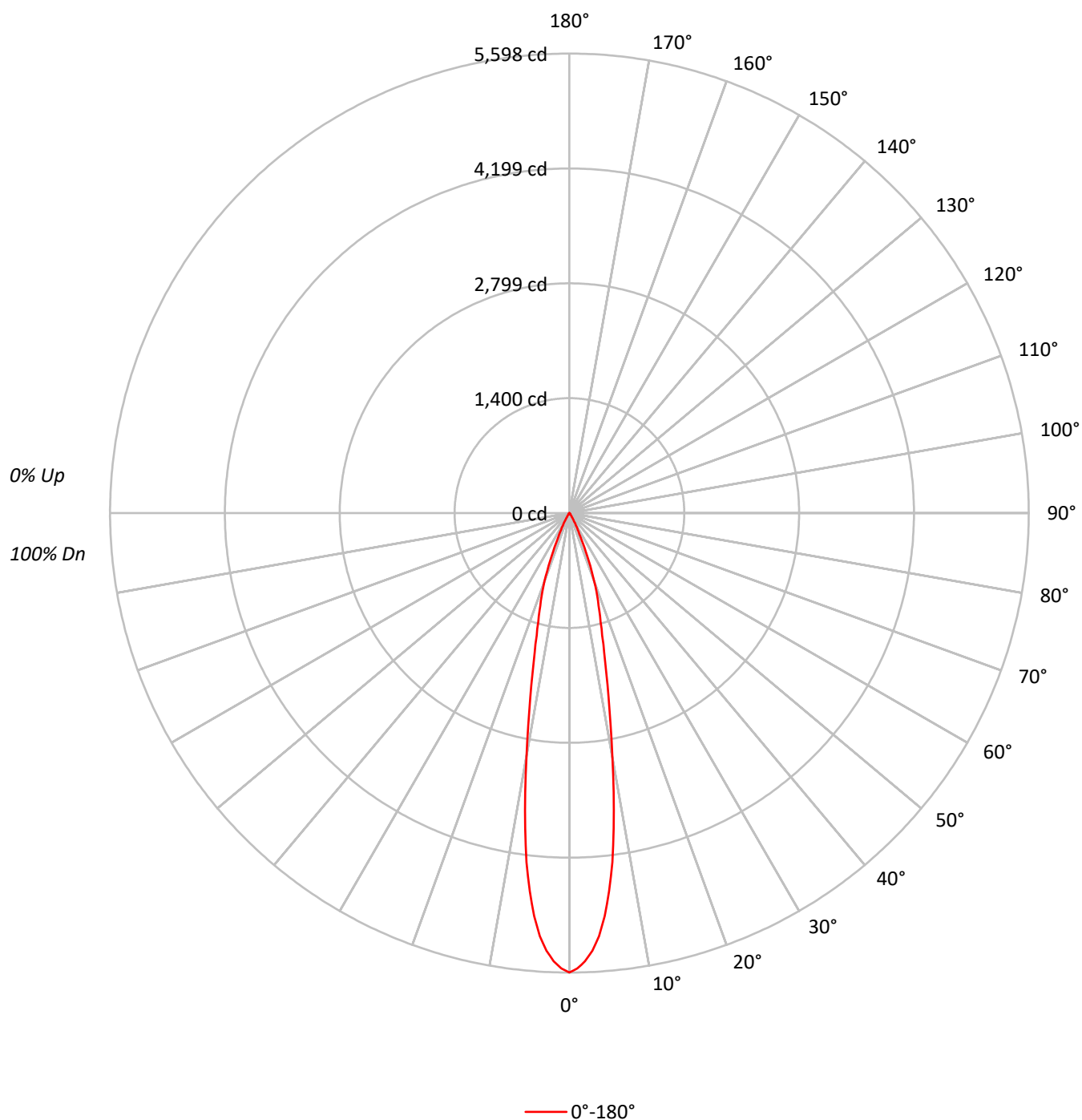
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
R																				
C	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
R	1	115	113	111	109	113	111	109	108	107	105	104	103	102	101	100	99	98	97	
C	2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	
R	3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	
C	4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	
R	5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85	
C	6	99	93	88	86	97	92	88	85	91	87	85	89	86	84	88	86	84	83	
R	7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	80	
C	8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	
R	9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	
C	10	89	82	79	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1227424
5°	1085007
10°	672644
15°	350785
20°	206845
25°	76141
30°	26561
35°	6639
40°	3721
45°	2574
50°	2422
55°	2256
60°	2061
65°	2439
70°	2244
75°	2033
80°	1515
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.5	38.2
10°-20°	449.0	42.0
20°-30°	168.5	15.8
30°-40°	22.9	2.1
40°-50°	7.2	0.7
50°-60°	5.3	0.5
60°-70°	4.5	0.4
70°-80°	2.8	0.3
80°-90°	0.5	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°	1025.0	96.0
0°-40°	1047.8	98.1
0°-60°	1060.3	99.3
0°-90°	1068.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1068.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5598	
5°	4929	408
15°	1545	449
25°	315	169
35°	25	23
45°	8	7
55°	6	5
65°	5	5
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5597.5
1°	5550.3
2°	5463.1
3°	5339.3
4°	5167.3
5°	4929.2
6°	4633.3
7°	4286.8
8°	3876.6
9°	3446.4
10°	3020.9
11°	2629.6
12°	2290.1
13°	1993.1
14°	1751.5
15°	1545.2
16°	1381.4
17°	1242.3
18°	1125.6
19°	1011.3
20°	886.4
21°	755.5
22°	629.4
23°	510.4
24°	405.5
25°	314.7
26°	251.1
27°	208.6
28°	172.1
29°	136.7
30°	104.9
32.5°	51.9
35°	24.8
37.5°	16.5
40°	13.0
42.5°	10.6
45°	8.3
47.5°	8.3
50°	7.1
52.5°	5.9
55°	5.9
57.5°	5.9
60°	4.7
62.5°	4.7
65°	4.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.7
70°	3.5
72.5°	3.5
75°	2.4
77.5°	2.4
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)