

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: P184317

Luminaire Tested: **L80808FL9040AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27060)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80808FL9040AH
Description: HALO TRACK L LED 08, 850 LM, FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1021.8 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.62
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

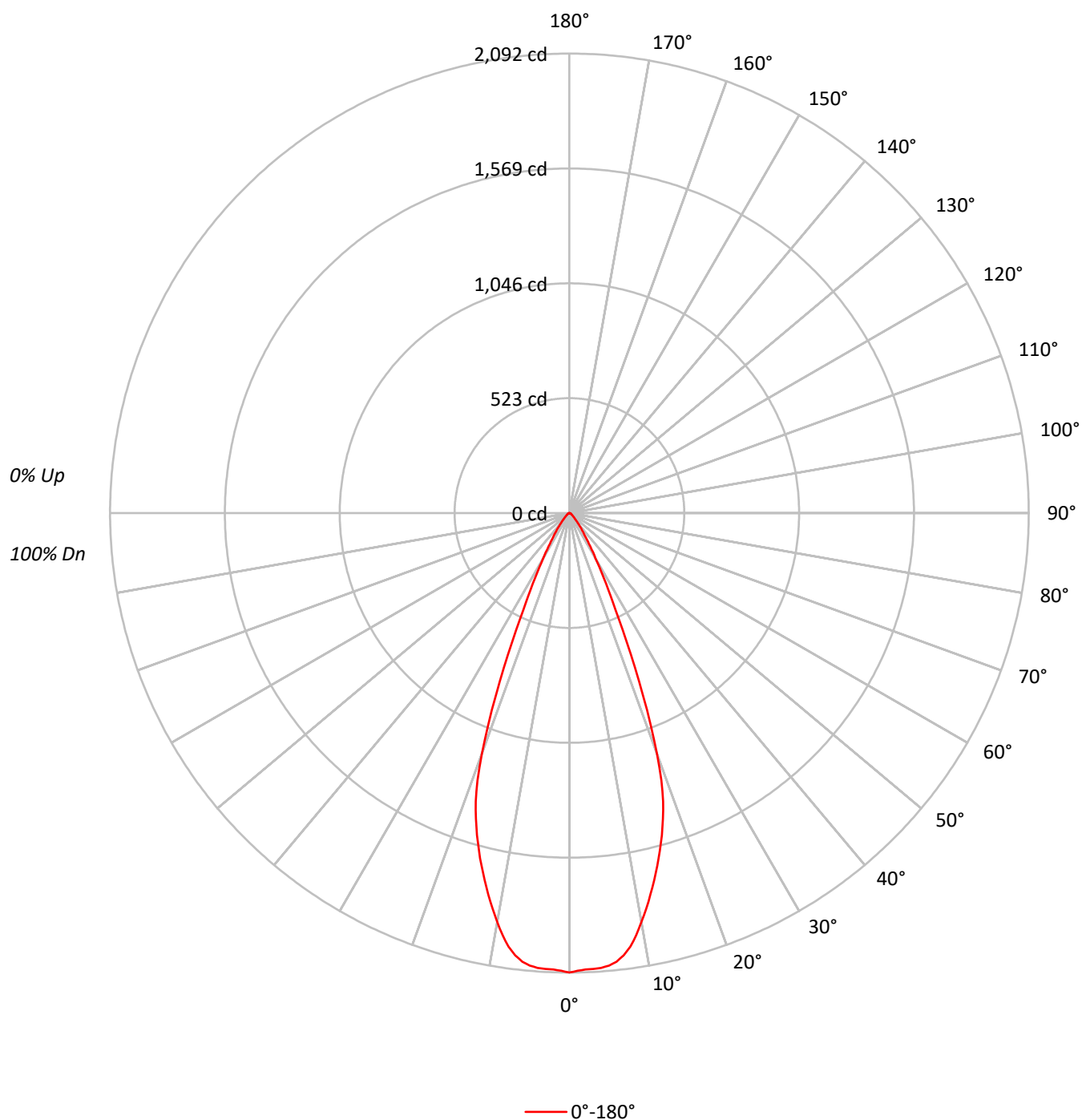
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: L80808FL9040AH

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					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
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97				95
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91				90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87				85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82				81
5	97	90	85	81	95	89	84	80	87	83	80	85	82	79	84	81	78				77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75				74
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72				70
8	86	78	73	69	85	77	73	69	76	72	69	75	72	69	75	71	68				67
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66				65
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63				62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	458647
5°	455183
10°	420878
15°	361296
20°	272394
25°	127870
30°	60313
35°	31079
40°	17290
45°	9924
50°	6482
55°	4549
60°	3640
65°	3684
70°	3783
75°	3050
80°	3031
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.1	18.8
10°-20°	436.1	42.7
20°-30°	265.0	25.9
30°-40°	78.5	7.7
40°-50°	26.8	2.6
50°-60°	11.5	1.1
60°-70°	7.0	0.7
70°-80°	4.2	0.4
80°-90°	0.7	0.1
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°	893.1	87.4
0°-40°	971.6	95.1
0°-60°	1009.9	98.8
0°-90°	1021.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1021.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2092	
5°	2068	192
15°	1592	436
25°	528	265
35°	116	78
45°	32	27
55°	12	11
65°	7	7
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2091.6
1°	2084.5
2°	2079.8
3°	2078.6
4°	2076.2
5°	2067.9
6°	2053.7
7°	2028.8
8°	1993.3
9°	1945.9
10°	1890.2
11°	1834.5
12°	1775.2
13°	1716.0
14°	1655.5
15°	1591.5
16°	1526.4
17°	1456.4
18°	1380.6
19°	1287.0
20°	1167.3
21°	1032.2
22°	894.7
23°	764.4
24°	639.9
25°	528.5
26°	448.0
27°	387.5
28°	333.0
29°	283.2
30°	238.2
32.5°	164.7
35°	116.1
37.5°	83.0
40°	60.4
42.5°	43.8
45°	32.0
47.5°	24.9
50°	19.0
52.5°	15.4
55°	11.9
57.5°	10.7
60°	8.3
62.5°	8.3
65°	7.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.9
70°	5.9
72.5°	4.7
75°	3.6
77.5°	3.6
80°	2.4
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)