

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: P184112

Luminaire Tested: **L80815FL9040AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184112
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: L80815FL9040AH
Description: HALO TRACK L LED 08, 1500 LM, FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1555.1 lumens
Efficiency: N/A
Efficacy: 75.1 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

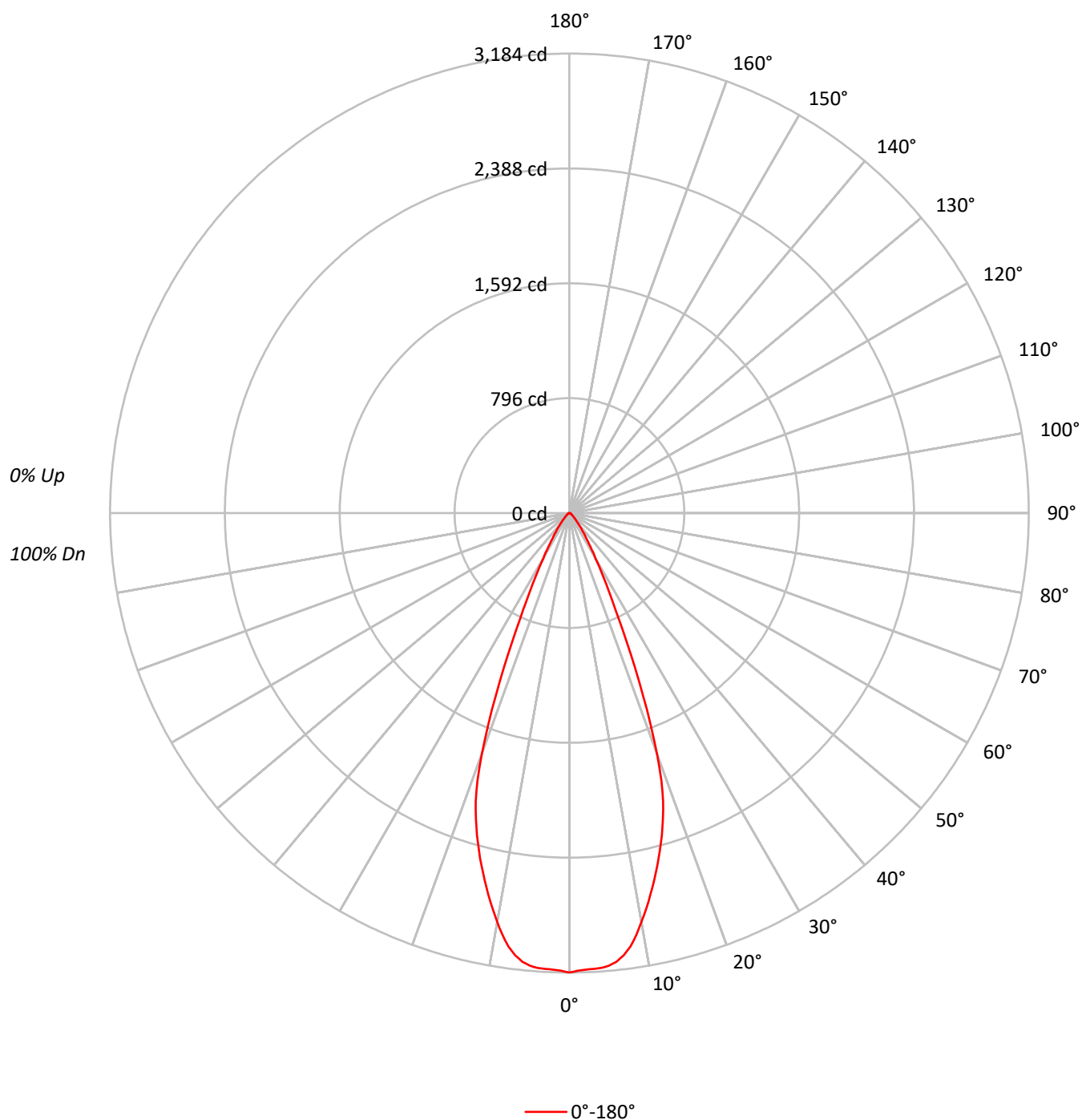
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P184112

CATALOG NUMBER: L80815FL9040AH

Luminous Intensity Polar Plot



TEST NUMBER: P184112

CATALOG NUMBER: L80815FL9040AH

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	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°	698102
5°	692822
10°	640580
15°	549924
20°	414599
25°	194648
30°	91786
35°	47328
40°	26335
45°	15102
50°	9859
55°	6881
60°	5526
65°	5604
70°	5770
75°	4575
80°	4546
85°	0



TEST NUMBER: P184112

CATALOG NUMBER: L80815FL9040AH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.4	18.8
10°-20°	663.7	42.7
20°-30°	403.3	25.9
30°-40°	119.5	7.7
40°-50°	40.7	2.6
50°-60°	17.4	1.1
60°-70°	10.7	0.7
70°-80°	6.4	0.4
80°-90°	1.0	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°	1359.4	87.4
0°-40°	1478.8	95.1
0°-60°	1537.0	98.8
0°-90°	1555.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1555.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3184	
5°	3148	292
15°	2422	664
25°	804	403
35°	177	119
45°	49	41
55°	18	17
65°	11	11
75°	5	6
85°	0	1
90°	0	



TEST NUMBER: P184112

CATALOG NUMBER: L80815FL9040AH

CANDELA DISTRIBUTION (FULL):

0°	
0°	3183.6
1°	3172.7
2°	3165.5
3°	3163.7
4°	3160.1
5°	3147.5
6°	3125.9
7°	3088.0
8°	3033.9
9°	2961.7
10°	2876.9
11°	2792.2
12°	2702.0
13°	2611.8
14°	2519.8
15°	2422.4
16°	2323.2
17°	2216.8
18°	2101.3
19°	1958.8
20°	1776.7
21°	1571.0
22°	1361.8
23°	1163.4
24°	974.0
25°	804.5
26°	681.8
27°	589.8
28°	506.8
29°	431.1
30°	362.5
32.5°	250.7
35°	176.8
37.5°	126.3
40°	92.0
42.5°	66.7
45°	48.7
47.5°	37.9
50°	28.9
52.5°	23.4
55°	18.0
57.5°	16.2
60°	12.6
62.5°	12.6
65°	10.8



TEST NUMBER: P184112

CATALOG NUMBER: L80815FL9040AH

CANDELA DISTRIBUTION (continued):

	0°
67.5°	9.0
70°	9.0
72.5°	7.2
75°	5.4
77.5°	5.4
80°	3.6
82.5°	1.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)