

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: P184076

Luminaire Tested: **L80815NF9040AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184076
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: L80815NF9040AH
Description: HALO TRACK LL LED 08, 1500 LM, NARROW FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1625.7 lumens
Efficiency: N/A
Efficacy: 78.5 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

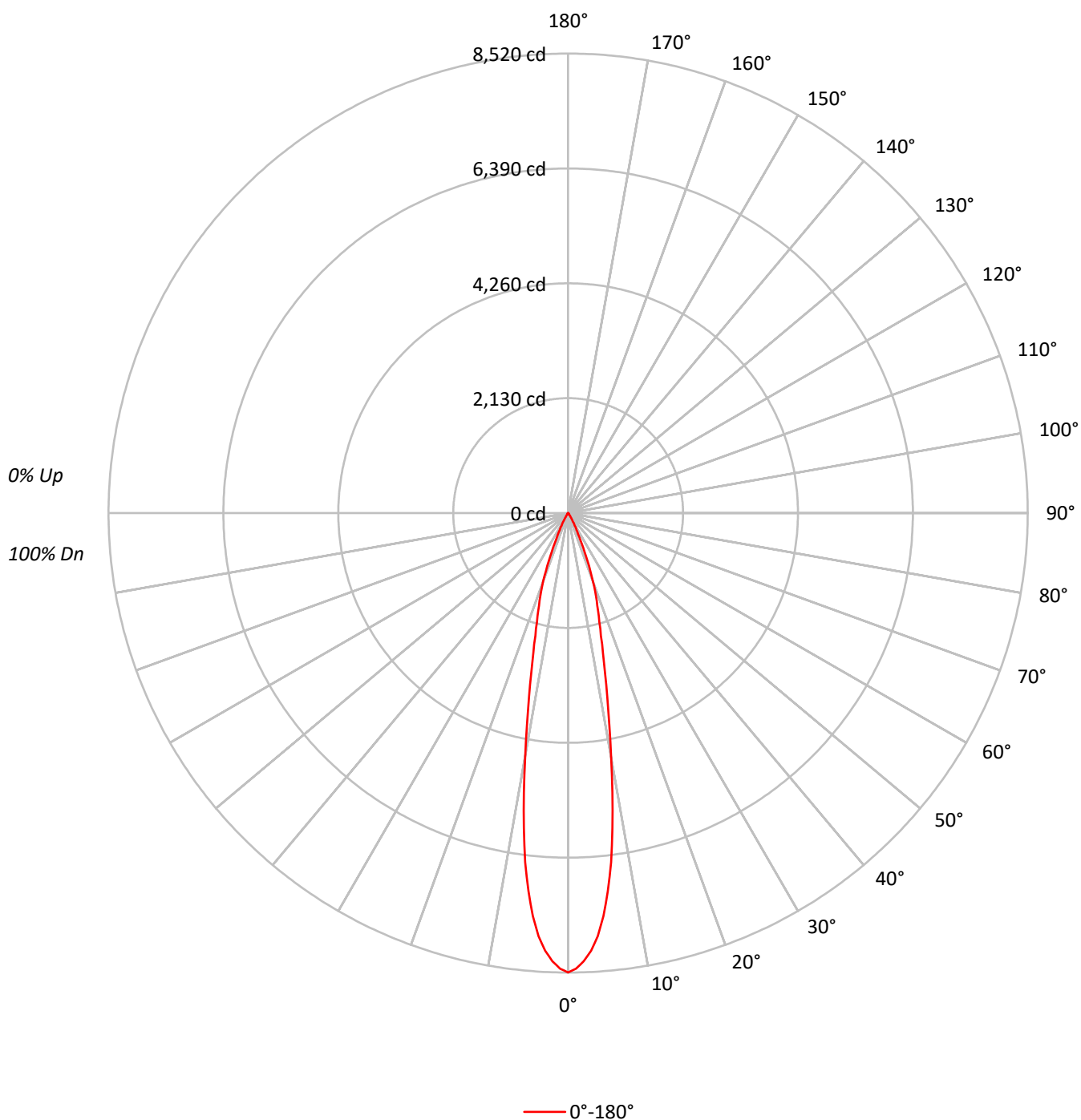
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P184076

CATALOG NUMBER: L80815NF9040AH

Luminous Intensity Polar Plot



TEST NUMBER: P184076

CATALOG NUMBER: L80815NF9040AH

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	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	105	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	93			
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90			
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	86	97	92	88	85	91	87	85	89	86	84	88	86	84	83			
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	80			
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	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	79	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1868184
5°	1651415
10°	1023806
15°	533919
20°	314817
25°	115894
30°	40437
35°	10092
40°	5639
45°	3907
50°	3684
55°	3441
60°	3158
65°	3736
70°	3462
75°	3050
80°	2273
85°	0



TEST NUMBER: P184076

CATALOG NUMBER: L80815NF9040AH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.2	38.2
10°-20°	683.3	42.0
20°-30°	256.5	15.8
30°-40°	34.8	2.1
40°-50°	10.9	0.7
50°-60°	8.1	0.5
60°-70°	6.9	0.4
70°-80°	4.3	0.3
80°-90°	0.7	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°	1560.0	96.0
0°-40°	1594.8	98.1
0°-60°	1613.7	99.3
0°-90°	1625.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1625.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8520	
5°	7502	620
15°	2352	683
25°	479	256
35°	38	35
45°	13	11
55°	9	8
65°	7	7
75°	4	4
85°	0	1
90°	0	



TEST NUMBER: P184076

CATALOG NUMBER: L80815NF9040AH

CANDELA DISTRIBUTION (FULL):

0°	
0°	8519.6
1°	8447.8
2°	8315.1
3°	8126.7
4°	7864.8
5°	7502.4
6°	7052.1
7°	6524.7
8°	5900.4
9°	5245.6
10°	4598.0
11°	4002.4
12°	3485.7
13°	3033.6
14°	2665.8
15°	2351.9
16°	2102.5
17°	1890.8
18°	1713.2
19°	1539.2
20°	1349.1
21°	1149.9
22°	958.0
23°	776.8
24°	617.1
25°	479.0
26°	382.1
27°	317.5
28°	261.9
29°	208.1
30°	159.7
32.5°	78.9
35°	37.7
37.5°	25.1
40°	19.7
42.5°	16.1
45°	12.6
47.5°	12.6
50°	10.8
52.5°	9.0
55°	9.0
57.5°	9.0
60°	7.2
62.5°	7.2
65°	7.2



TEST NUMBER: P184076

CATALOG NUMBER: L80815NF9040AH

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)