

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: P188914

Luminaire Tested: **L80815NF9035AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188914
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: L80815NF9035AH
Description: HALO TRACK LL LED 08, 1500 LM, NARROW FLOOD, ALUMINIUM HAZE

Light Source: EATON LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1536.4 lumens
Efficiency: N/A
Efficacy: 74.2 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

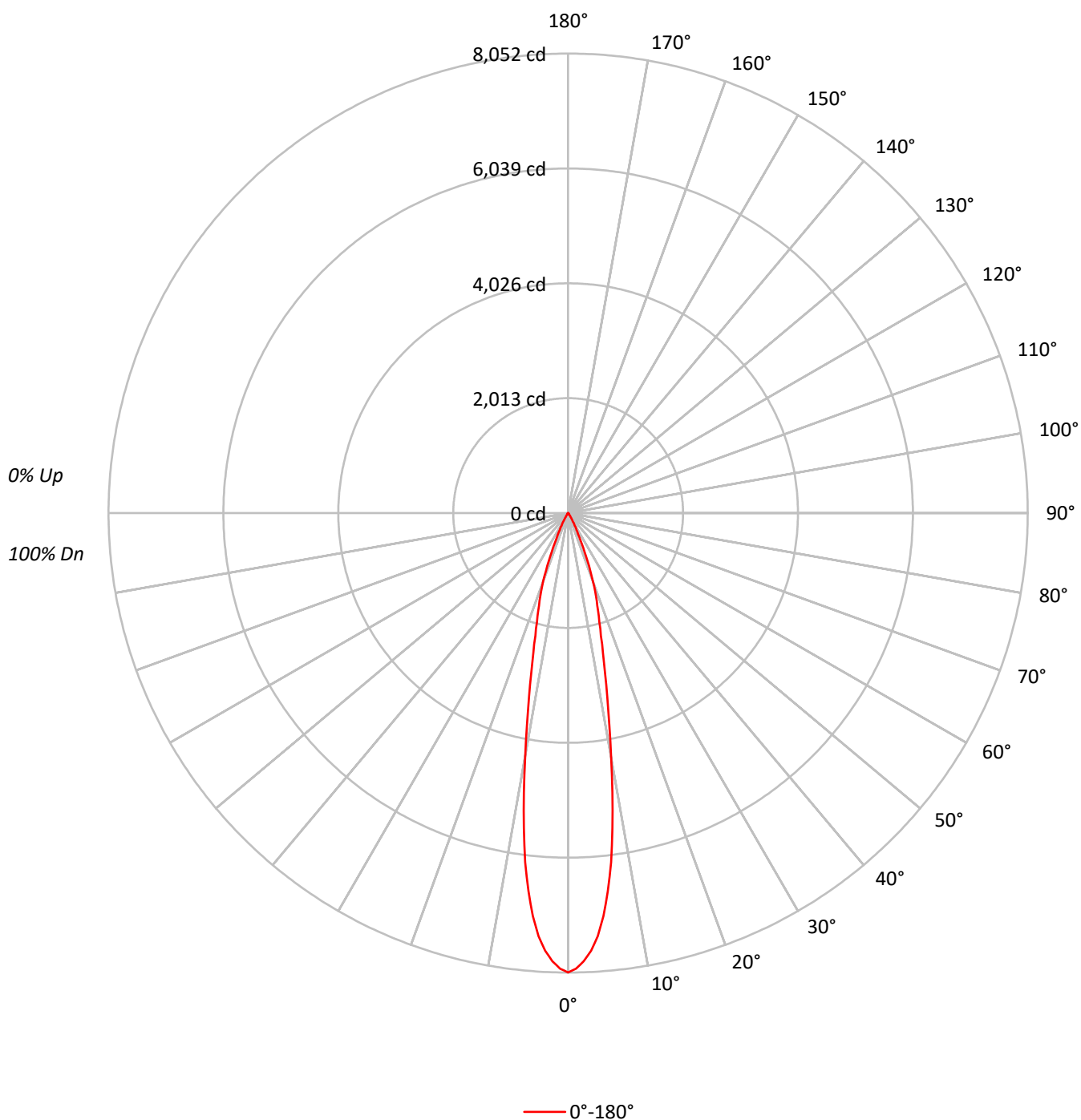
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: L80815NF9035AH

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	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°	1765582
5°	1560727
10°	967562
15°	504589
20°	297526
25°	109531
30°	38208
35°	9530
40°	5324
45°	3690
50°	3480
55°	3250
60°	2982
65°	3528
70°	3270
75°	2881
80°	2147
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.2	38.2
10°-20°	645.8	42.0
20°-30°	242.4	15.8
30°-40°	32.9	2.1
40°-50°	10.3	0.7
50°-60°	7.6	0.5
60°-70°	6.5	0.4
70°-80°	4.0	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°	1474.4	96.0
0°-40°	1507.2	98.1
0°-60°	1525.1	99.3
0°-90°	1536.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1536.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8052	
5°	7090	586
15°	2223	646
25°	453	242
35°	36	33
45°	12	10
55°	8	8
65°	7	7
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8051.7
1°	7983.9
2°	7858.4
3°	7680.4
4°	7432.8
5°	7090.4
6°	6664.8
7°	6166.3
8°	5576.3
9°	4957.5
10°	4345.4
11°	3782.5
12°	3294.3
13°	2867.0
14°	2519.4
15°	2222.7
16°	1987.1
17°	1787.0
18°	1619.2
19°	1454.7
20°	1275.0
21°	1086.8
22°	905.4
23°	734.1
24°	583.2
25°	452.7
26°	361.1
27°	300.1
28°	247.5
29°	196.7
30°	150.9
32.5°	74.6
35°	35.6
37.5°	23.7
40°	18.6
42.5°	15.3
45°	11.9
47.5°	11.9
50°	10.2
52.5°	8.5
55°	8.5
57.5°	8.5
60°	6.8
62.5°	6.8
65°	6.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.8
70°	5.1
72.5°	5.1
75°	3.4
77.5°	3.4
80°	1.7
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)