

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: P184111

Luminaire Tested: **L80815FL9030AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184111
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: L80815FL9030AH
Description: HALO TRACK L LED 08, 1500 LM, FLOOD, ALUMINIUM HAZE

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1400.3 lumens
Efficiency: N/A
Efficacy: 67.6 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

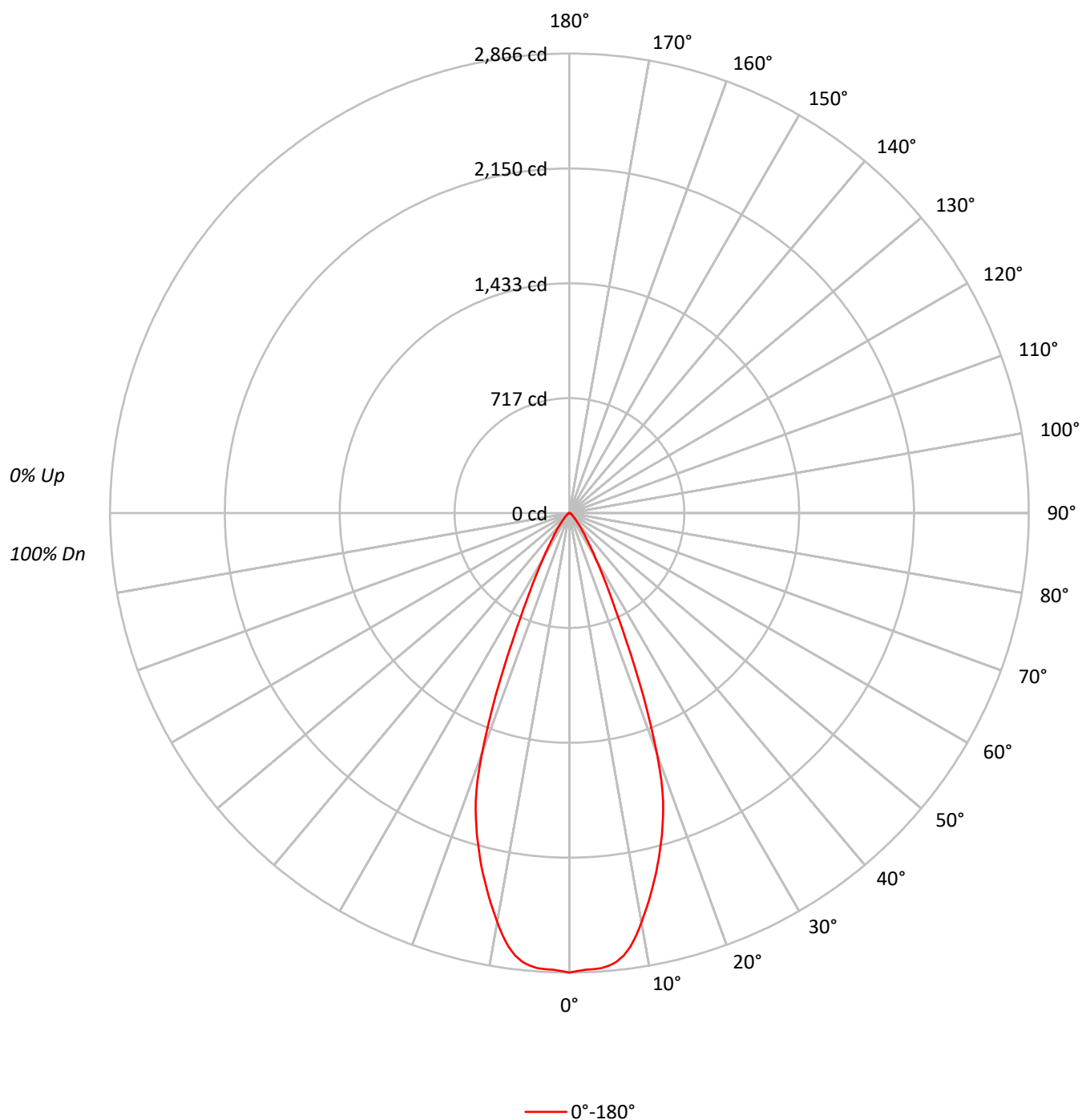
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P184111

CATALOG NUMBER: L80815FL9030AH

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°	628568
5°	623815
10°	576787
15°	495167
20°	373296
25°	175244
30°	82646
35°	42617
40°	23702
45°	13614
50°	8870
55°	6193
60°	5000
65°	5033
70°	5193
75°	4151
80°	4041
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.2	18.8
10°-20°	597.6	42.7
20°-30°	363.1	25.9
30°-40°	107.5	7.7
40°-50°	36.7	2.6
50°-60°	15.7	1.1
60°-70°	9.6	0.7
70°-80°	5.8	0.4
80°-90°	0.9	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°	1224.0	87.4
0°-40°	1331.6	95.1
0°-60°	1384.0	98.8
0°-90°	1400.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1400.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2866	
5°	2834	263
15°	2181	598
25°	724	363
35°	159	108
45°	44	37
55°	16	16
65°	10	10
75°	5	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2866.5
1°	2856.8
2°	2850.3
3°	2848.7
4°	2845.4
5°	2834.0
6°	2814.5
7°	2780.4
8°	2731.7
9°	2666.8
10°	2590.4
11°	2514.1
12°	2432.9
13°	2351.7
14°	2268.9
15°	2181.2
16°	2091.8
17°	1996.0
18°	1892.1
19°	1763.8
20°	1599.7
21°	1414.6
22°	1226.2
23°	1047.5
24°	877.0
25°	724.3
26°	613.9
27°	531.1
28°	456.4
29°	388.2
30°	326.4
32.5°	225.7
35°	159.2
37.5°	113.7
40°	82.8
42.5°	60.1
45°	43.9
47.5°	34.1
50°	26.0
52.5°	21.1
55°	16.2
57.5°	14.6
60°	11.4
62.5°	11.4
65°	9.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.1
70°	8.1
72.5°	6.5
75°	4.9
77.5°	4.9
80°	3.2
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)