

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: P184108

Luminaire Tested: **L80815FL9030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184108
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: L80815FL9030MB
Description: HALO TRACK L LED 08, 1500 LM, FLOOD, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1336.8 lumens
Efficiency: N/A
Efficacy: 64.6 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

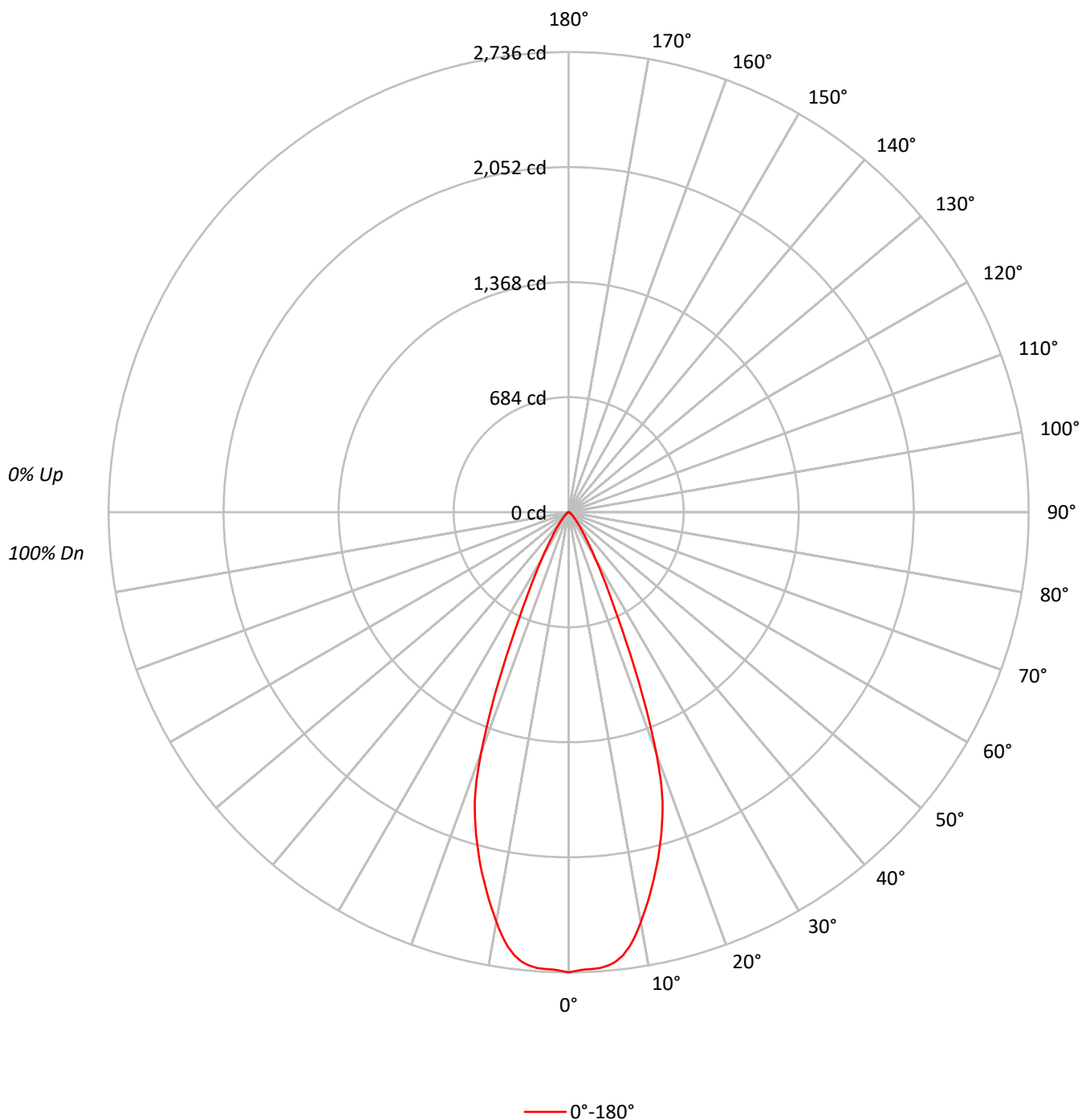
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	600018
5°	595486
10°	550602
15°	472670
20°	356354
25°	167284
30°	78898
35°	40662
40°	22642
45°	12994
50°	8460
55°	5926
60°	4780
65°	4825
70°	5001
75°	3982
80°	3915
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.3	18.8
10°-20°	570.5	42.7
20°-30°	346.6	25.9
30°-40°	102.7	7.7
40°-50°	35.0	2.6
50°-60°	15.0	1.1
60°-70°	9.2	0.7
70°-80°	5.6	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°	1168.4	87.4
0°-40°	1271.1	95.1
0°-60°	1321.2	98.8
0°-90°	1336.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1336.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2736	
5°	2705	251
15°	2082	570
25°	691	347
35°	152	103
45°	42	35
55°	16	15
65°	9	9
75°	5	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2736.3
1°	2727.0
2°	2720.8
3°	2719.3
4°	2716.2
5°	2705.3
6°	2686.7
7°	2654.2
8°	2607.7
9°	2545.6
10°	2472.8
11°	2399.9
12°	2322.4
13°	2244.9
14°	2165.8
15°	2082.1
16°	1996.8
17°	1905.4
18°	1806.1
19°	1683.7
20°	1527.1
21°	1350.3
22°	1170.5
23°	1000.0
24°	837.2
25°	691.4
26°	586.0
27°	507.0
28°	435.6
29°	370.5
30°	311.6
32.5°	215.5
35°	151.9
37.5°	108.5
40°	79.1
42.5°	57.4
45°	41.9
47.5°	32.6
50°	24.8
52.5°	20.2
55°	15.5
57.5°	14.0
60°	10.9
62.5°	10.9
65°	9.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	7.8
70°	7.8
72.5°	6.2
75°	4.7
77.5°	4.7
80°	3.1
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)