

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: P184311

Luminaire Tested: **L80808FL9027AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184311
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: L80808FL9027AH
Description: HALO TRACK L LED 08, 850 LM, FLOOD, ALUMINIUM HAZE

Light Source: EATON LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 839.0 lumens
Efficiency: N/A
Efficacy: 70.5 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

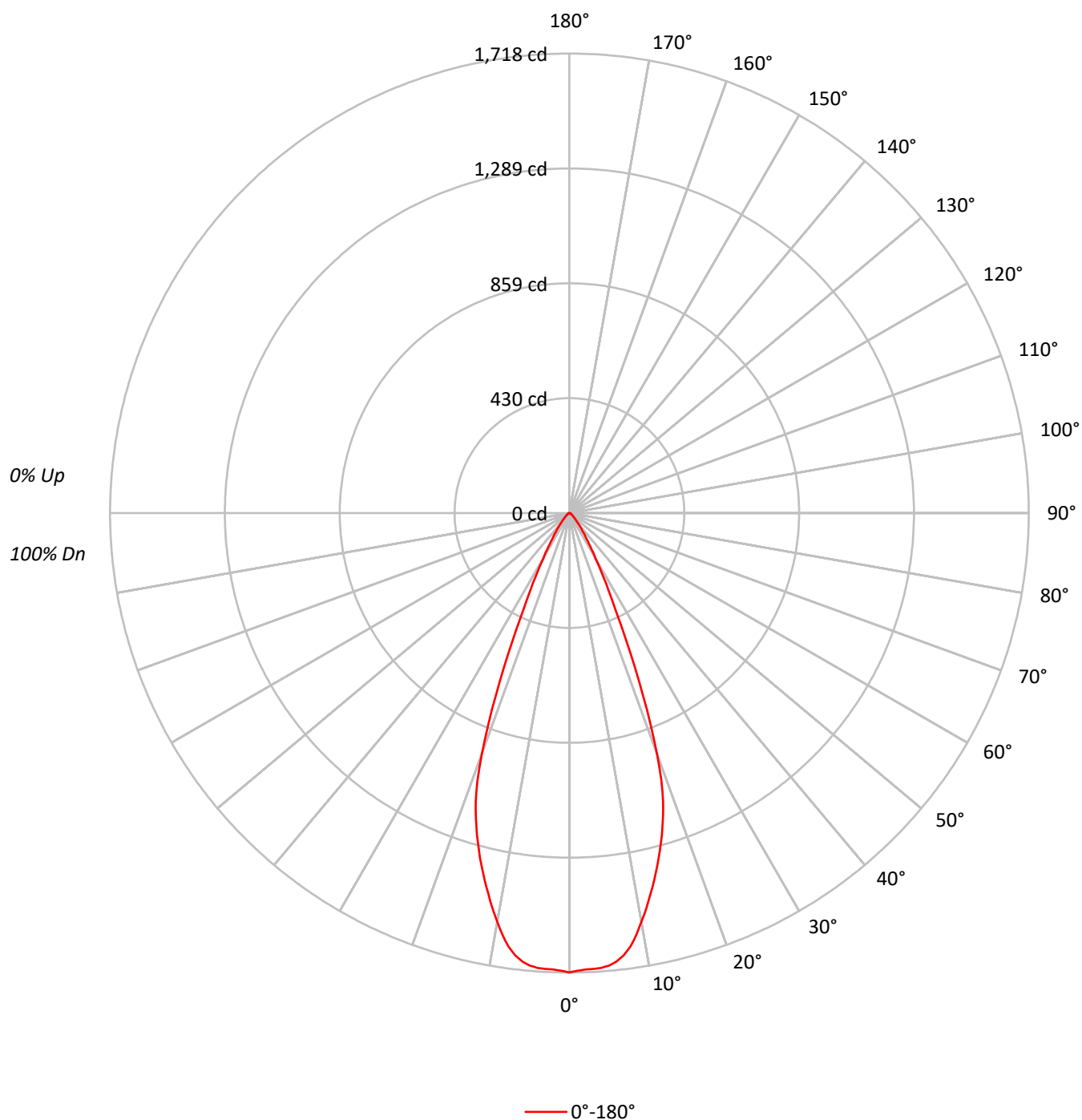
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					100			
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95					95			
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90					90			
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85					85			
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81					81			
5	97	90	85	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77					77			
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74					74			
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70					70			
8	86	78	73	69	85	77	73	69	76	72	69	75	72	69	75	71	68	67					67			
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65					65			
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62					62			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	376615
5°	373783
10°	345596
15°	296687
20°	223669
25°	105006
30°	49527
35°	25538
40°	14198
45°	8156
50°	5322
55°	3708
60°	2982
65°	3009
70°	3142
75°	2457
80°	2399
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	18.8
10°-20°	358.1	42.7
20°-30°	217.6	25.9
30°-40°	64.4	7.7
40°-50°	22.0	2.6
50°-60°	9.4	1.1
60°-70°	5.8	0.7
70°-80°	3.5	0.4
80°-90°	0.5	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°	733.4	87.4
0°-40°	797.8	95.1
0°-60°	829.2	98.8
0°-90°	839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1718	
5°	1698	158
15°	1307	358
25°	434	218
35°	95	64
45°	26	22
55°	10	9
65°	6	6
75°	3	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1717.5
1°	1711.7
2°	1707.8
3°	1706.8
4°	1704.9
5°	1698.1
6°	1686.4
7°	1665.9
8°	1636.8
9°	1597.8
10°	1552.1
11°	1506.4
12°	1457.7
13°	1409.0
14°	1359.4
15°	1306.9
16°	1253.4
17°	1195.9
18°	1133.7
19°	1056.8
20°	958.5
21°	847.6
22°	734.7
23°	627.6
24°	525.5
25°	434.0
26°	367.8
27°	318.2
28°	273.4
29°	232.6
30°	195.6
32.5°	135.3
35°	95.4
37.5°	68.1
40°	49.6
42.5°	36.0
45°	26.3
47.5°	20.4
50°	15.6
52.5°	12.7
55°	9.7
57.5°	8.8
60°	6.8
62.5°	6.8
65°	5.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.9
70°	4.9
72.5°	3.9
75°	2.9
77.5°	2.9
80°	1.9
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)