

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: P184308

Luminaire Tested: **L80808SP9040AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27054)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80808SP9040AH
Description: HALO TRACK L LED 08, 850 LM, SPOT, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1116.4 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

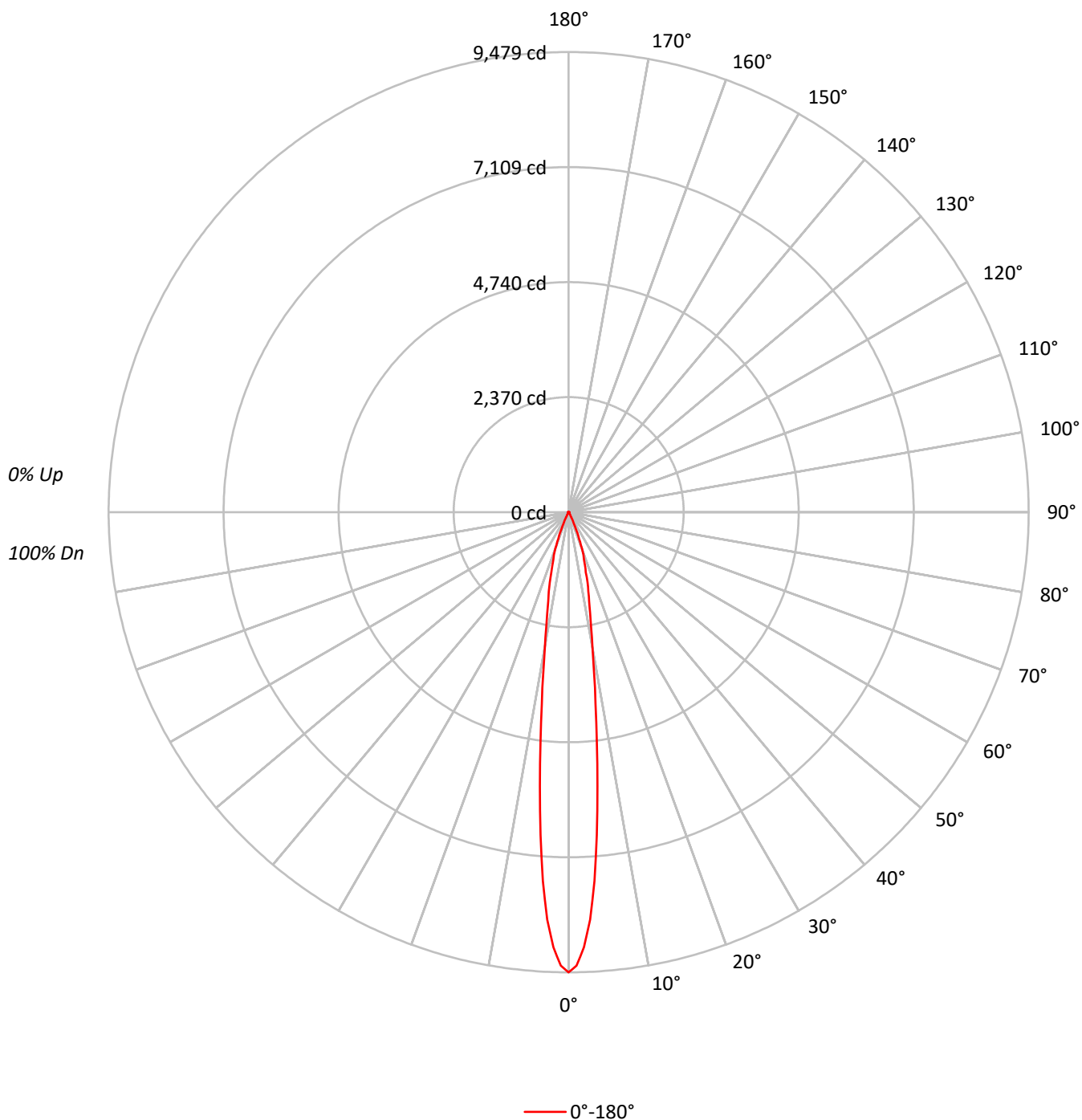
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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								
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96								
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93								
3	108	103	99	96	106	102	98	96	99	96	94	97	95	93	95	93	91	90								
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87								
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	91	88	86	85								
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83								
7	97	90	86	84	95	90	86	83	89	85	83	88	85	83	87	84	82	81								
8	94	88	84	81	93	87	84	81	87	83	81	86	83	81	85	82	80	79								
9	92	86	82	79	91	85	82	79	85	81	79	84	81	79	83	81	79	78								
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	82	79	77	76								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2078627
5°	1469598
10°	626820
15°	339979
20°	184536
25°	56519
30°	13850
35°	9128
40°	5210
45°	3008
50°	5390
55°	4664
60°	4780
65°	3788
70°	3911
75°	6185
80°	13764
85°	21386



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.8	44.7
10°-20°	419.1	37.5
20°-30°	130.3	11.7
30°-40°	21.0	1.9
40°-50°	11.6	1.0
50°-60°	10.6	0.9
60°-70°	7.8	0.7
70°-80°	8.4	0.7
80°-90°	8.8	0.8
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°	1048.2	93.9
0°-40°	1069.2	95.8
0°-60°	1091.4	97.8
0°-90°	1116.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1116.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9479	
5°	6676	499
15°	1498	419
25°	234	130
35°	34	21
45°	10	12
55°	12	11
65°	7	8
75°	7	8
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9479.3
1°	9344.2
2°	8967.1
3°	8405.1
4°	7613.1
5°	6676.4
6°	5673.9
7°	4742.1
8°	3990.3
9°	3323.6
10°	2815.1
11°	2427.0
12°	2126.5
13°	1880.8
14°	1683.7
15°	1497.6
16°	1285.9
17°	1146.0
18°	1025.5
19°	931.9
20°	790.8
21°	653.3
22°	526.8
23°	414.8
24°	320.0
25°	233.6
26°	170.3
27°	122.9
28°	108.3
29°	68.1
30°	54.7
32.5°	30.4
35°	34.1
37.5°	34.1
40°	18.2
42.5°	26.8
45°	9.7
47.5°	7.3
50°	15.8
52.5°	10.9
55°	12.2
57.5°	10.9
60°	10.9
62.5°	6.1
65°	7.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	9.7
70°	6.1
72.5°	8.5
75°	7.3
77.5°	7.3
80°	10.9
82.5°	6.1
85°	8.5
87.5°	12.2
90°	0.0

(END OF REPORT)