

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: P184309

Luminaire Tested: **L80808SP9040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184309
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: L80808SP9040MB
Description: HALO TRACK L LED 08, 850 LM, SPOT, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1009.6 lumens
Efficiency: N/A
Efficacy: 84.8 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

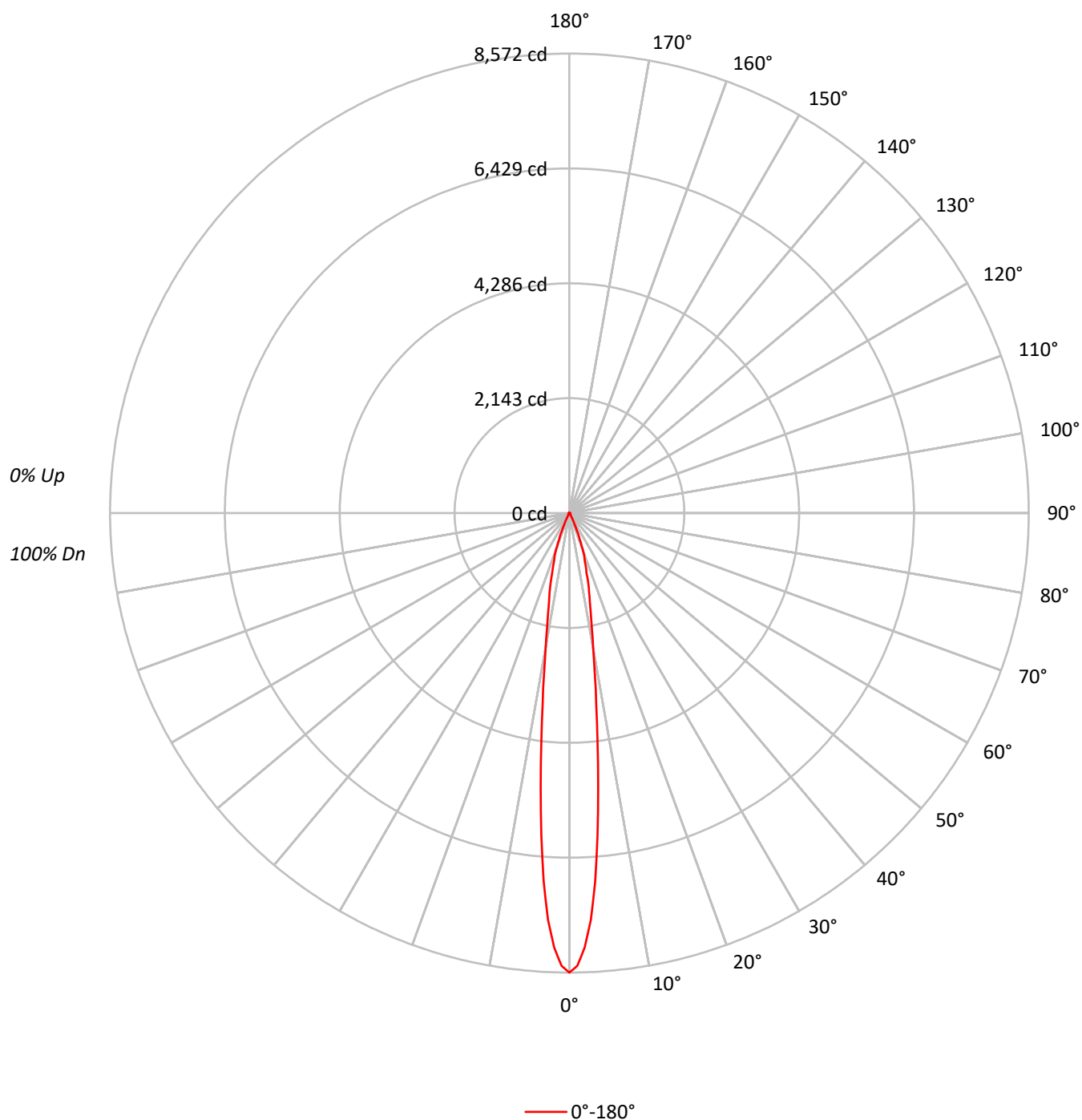
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1879718
5°	1328964
10°	566834
15°	307448
20°	166871
25°	51100
30°	12534
35°	8245
40°	4723
45°	2729
50°	4878
55°	4205
60°	4342
65°	3424
70°	3526
75°	5592
80°	12502
85°	19373



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.1	44.7
10°-20°	379.0	37.5
20°-30°	117.9	11.7
30°-40°	19.0	1.9
40°-50°	10.5	1.0
50°-60°	9.6	1.0
60°-70°	7.1	0.7
70°-80°	7.6	0.7
80°-90°	7.9	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°	947.9	93.9
0°-40°	966.9	95.8
0°-60°	986.9	97.8
0°-90°	1009.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1009.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8572	
5°	6038	451
15°	1354	379
25°	211	118
35°	31	19
45°	9	10
55°	11	10
65°	7	7
75°	7	8
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8572.2
1°	8450.1
2°	8109.1
3°	7600.8
4°	6884.6
5°	6037.5
6°	5131.0
7°	4288.3
8°	3608.4
9°	3005.6
10°	2545.7
11°	2194.8
12°	1923.0
13°	1700.8
14°	1522.6
15°	1354.3
16°	1162.8
17°	1036.3
18°	927.4
19°	842.7
20°	715.1
21°	590.8
22°	476.4
23°	375.1
24°	289.3
25°	211.2
26°	154.0
27°	111.1
28°	97.9
29°	61.6
30°	49.5
32.5°	27.5
35°	30.8
37.5°	30.8
40°	16.5
42.5°	24.2
45°	8.8
47.5°	6.6
50°	14.3
52.5°	9.9
55°	11.0
57.5°	9.9
60°	9.9
62.5°	5.5
65°	6.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.8
70°	5.5
72.5°	7.7
75°	6.6
77.5°	6.6
80°	9.9
82.5°	5.5
85°	7.7
87.5°	11.0
90°	0.0

(END OF REPORT)