

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: P188927

Luminaire Tested: **L80808SP9035MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188927
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: L80808SP9035MB
Description: HALO TRACK L LED 08, 850 LM, SPOT, MATTE BLACK

Light Source: EATON LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 954.1 lumens
Efficiency: N/A
Efficacy: 80.2 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

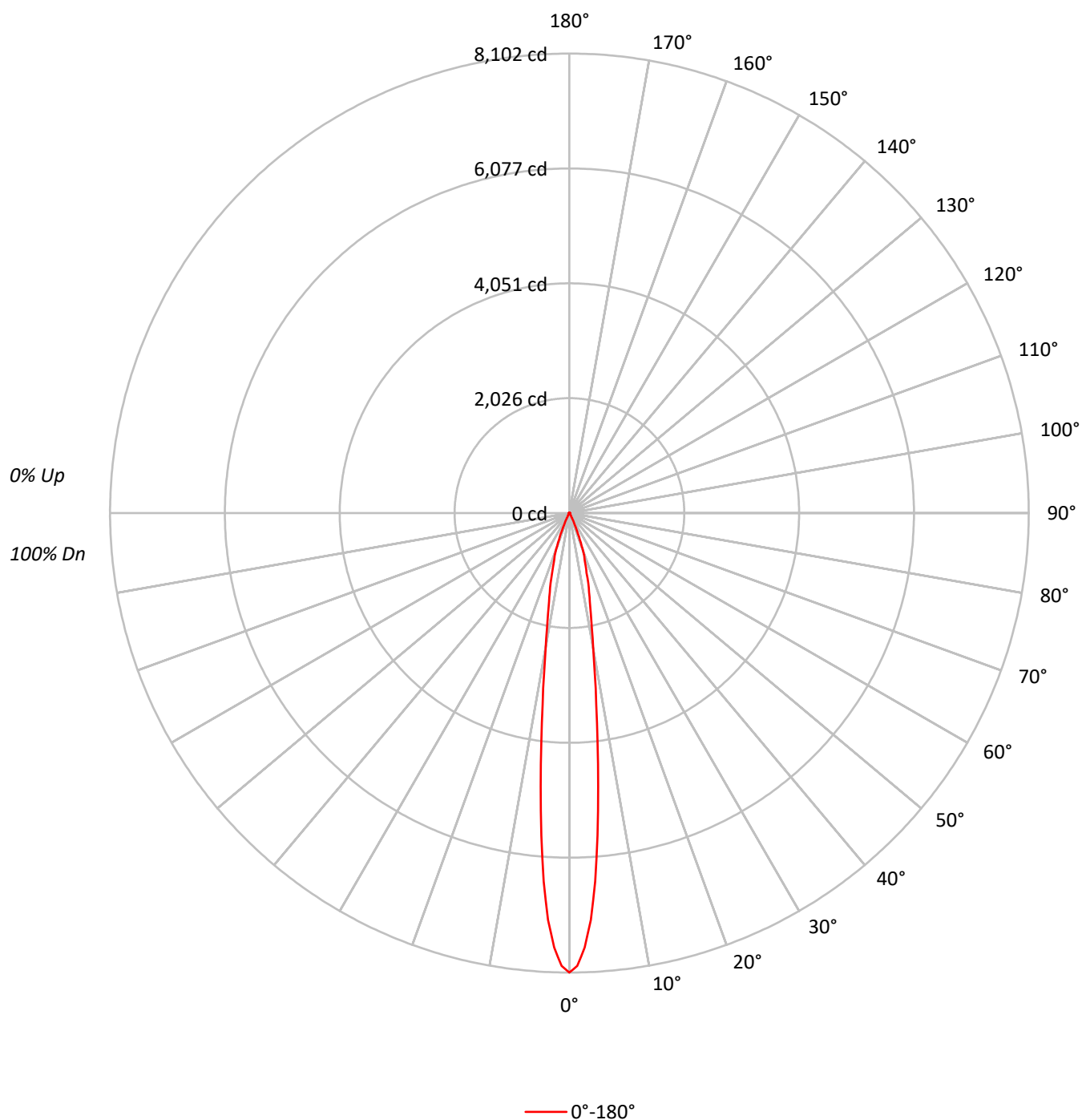
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1776502
5°	1255995
10°	535706
15°	290558
20°	157700
25°	48293
30°	11850
35°	7790
40°	4466
45°	2574
50°	4605
55°	3976
60°	4122
65°	3217
70°	3334
75°	5253
80°	11870
85°	18367



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.3	44.7
10°-20°	358.1	37.5
20°-30°	111.4	11.7
30°-40°	17.9	1.9
40°-50°	9.9	1.0
50°-60°	9.1	1.0
60°-70°	6.7	0.7
70°-80°	7.1	0.7
80°-90°	7.5	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°	895.8	93.9
0°-40°	913.8	95.8
0°-60°	932.8	97.8
0°-90°	954.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	954.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8102	
5°	5706	426
15°	1280	358
25°	200	111
35°	29	18
45°	8	10
55°	10	9
65°	6	7
75°	6	7
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8101.5
1°	7986.0
2°	7663.7
3°	7183.4
4°	6506.5
5°	5706.0
6°	4849.2
7°	4052.8
8°	3410.3
9°	2840.5
10°	2405.9
11°	2074.2
12°	1817.4
13°	1607.4
14°	1439.0
15°	1279.9
16°	1099.0
17°	979.4
18°	876.5
19°	796.4
20°	675.8
21°	558.3
22°	450.2
23°	354.5
24°	273.4
25°	199.6
26°	145.6
27°	105.0
28°	92.5
29°	58.2
30°	46.8
32.5°	26.0
35°	29.1
37.5°	29.1
40°	15.6
42.5°	22.9
45°	8.3
47.5°	6.2
50°	13.5
52.5°	9.4
55°	10.4
57.5°	9.4
60°	9.4
62.5°	5.2
65°	6.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.3
70°	5.2
72.5°	7.3
75°	6.2
77.5°	6.2
80°	9.4
82.5°	5.2
85°	7.3
87.5°	10.4
90°	0.0

(END OF REPORT)