

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: P184318

Luminaire Tested: **L80808FL9040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184318
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: L80808FL9040MB
Description: HALO TRACK L LED 08, 850 LM, FLOOD, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1001.1 lumens
Efficiency: N/A
Efficacy: 84.1 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

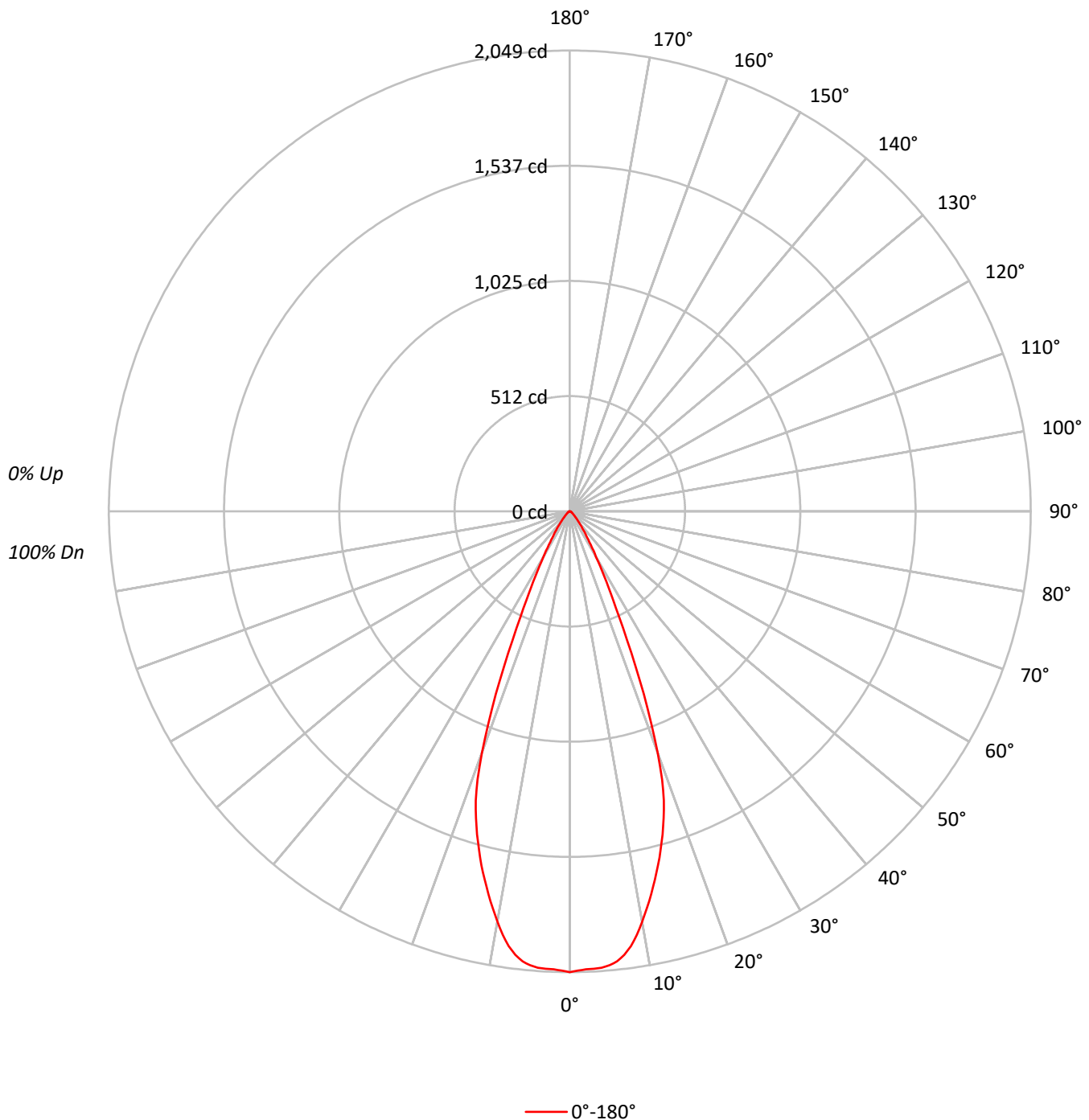
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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								
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°	449372
5°	445960
10°	412350
15°	353986
20°	266863
25°	125281
30°	59098
35°	30463
40°	16946
45°	9706
50°	6345
55°	4435
60°	3552
65°	3632
70°	3719
75°	2965
80°	2904
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.2	18.8
10°-20°	427.2	42.7
20°-30°	259.6	25.9
30°-40°	76.9	7.7
40°-50°	26.2	2.6
50°-60°	11.2	1.1
60°-70°	6.9	0.7
70°-80°	4.1	0.4
80°-90°	0.6	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°	875.0	87.4
0°-40°	951.9	95.1
0°-60°	989.4	98.8
0°-90°	1001.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1001.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2049	
5°	2026	188
15°	1559	427
25°	518	260
35°	114	77
45°	31	26
55°	12	11
65°	7	7
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2049.3
1°	2042.3
2°	2037.7
3°	2036.5
4°	2034.2
5°	2026.0
6°	2012.1
7°	1987.7
8°	1952.9
9°	1906.5
10°	1851.9
11°	1797.3
12°	1739.3
13°	1681.2
14°	1622.0
15°	1559.3
16°	1495.4
17°	1426.9
18°	1352.6
19°	1260.9
20°	1143.6
21°	1011.3
22°	876.6
23°	748.9
24°	627.0
25°	517.8
26°	438.9
27°	379.7
28°	326.3
29°	277.5
30°	233.4
32.5°	161.4
35°	113.8
37.5°	81.3
40°	59.2
42.5°	43.0
45°	31.3
47.5°	24.4
50°	18.6
52.5°	15.1
55°	11.6
57.5°	10.4
60°	8.1
62.5°	8.1
65°	7.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.8
70°	5.8
72.5°	4.6
75°	3.5
77.5°	3.5
80°	2.3
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)