

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: P184300

Luminaire Tested: **L80808NF9040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27058)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80808NF9040MB
Description: HALO TRACK L LED 08, 850 LM, NARROW FLOOD, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1054.7 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.38
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

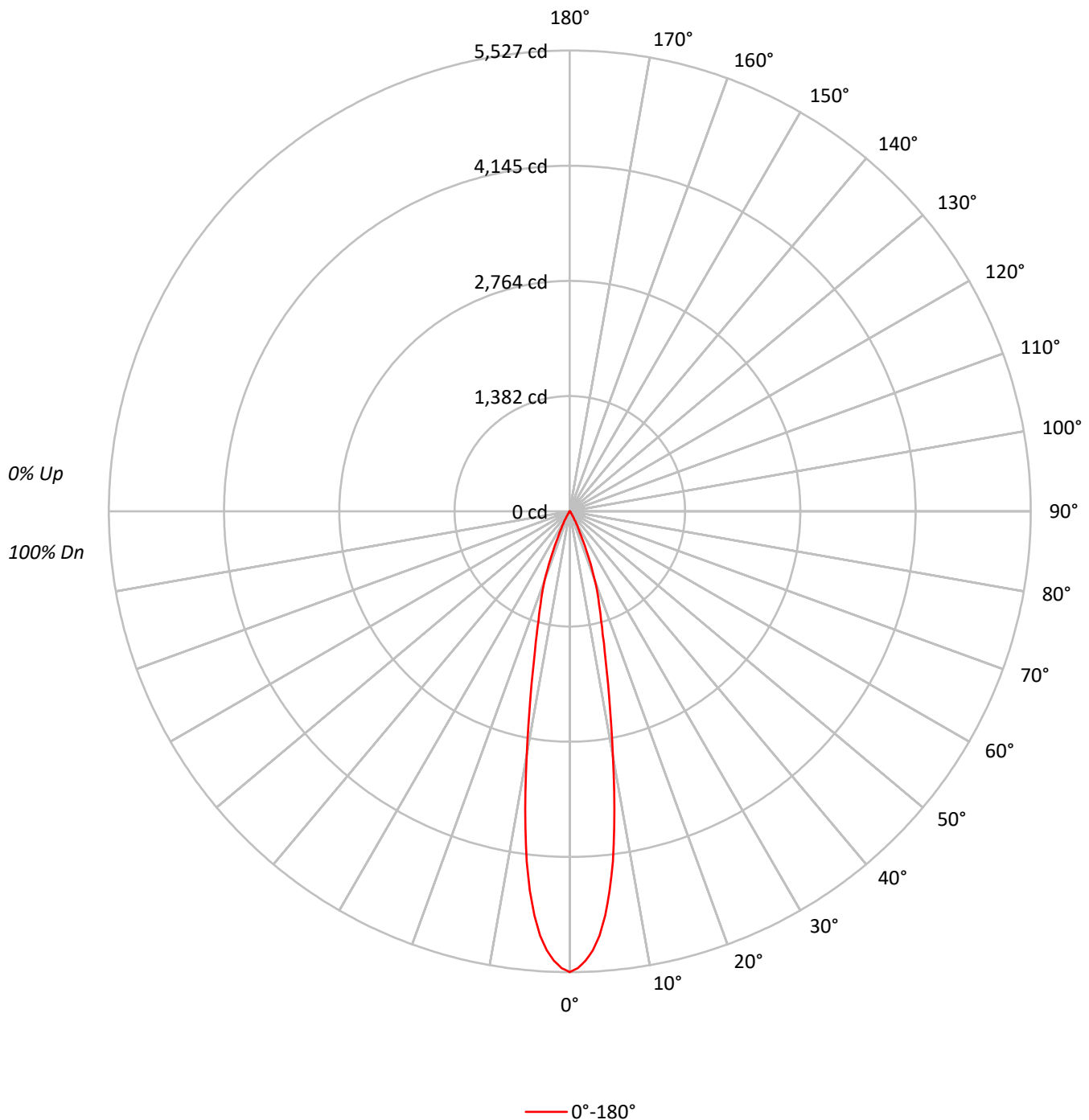
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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	113	111	109	113	111	109	108	107	105	104	103	102	101	100	99	98	97			
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93			
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90			
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88			
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85			
6	99	93	88	86	97	92	88	85	91	87	85	89	86	84	88	86	84	83			
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	80			
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78			
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76			
10	89	82	79	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1212030
5°	1071382
10°	664205
15°	346381
20°	204231
25°	75198
30°	26232
35°	6532
40°	3664
45°	2512
50°	2388
55°	2217
60°	2061
65°	2439
70°	2244
75°	1949
80°	1515
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.4	38.2
10°-20°	443.3	42.0
20°-30°	166.4	15.8
30°-40°	22.6	2.1
40°-50°	7.0	0.7
50°-60°	5.2	0.5
60°-70°	4.5	0.4
70°-80°	2.8	0.3
80°-90°	0.5	0.0
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°	1012.1	96.0
0°-40°	1034.7	98.1
0°-60°	1046.9	99.3
0°-90°	1054.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1054.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5527	
5°	4867	402
15°	1526	443
25°	311	166
35°	24	23
45°	8	7
55°	6	5
65°	5	5
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5527.3
1°	5480.7
2°	5394.6
3°	5272.4
4°	5102.4
5°	4867.3
6°	4575.2
7°	4233.0
8°	3828.0
9°	3403.2
10°	2983.0
11°	2596.6
12°	2261.4
13°	1968.1
14°	1729.5
15°	1525.8
16°	1364.1
17°	1226.7
18°	1111.5
19°	998.6
20°	875.2
21°	746.0
22°	621.5
23°	504.0
24°	400.4
25°	310.8
26°	247.9
27°	206.0
28°	169.9
29°	135.0
30°	103.6
32.5°	51.2
35°	24.4
37.5°	16.3
40°	12.8
42.5°	10.5
45°	8.1
47.5°	8.1
50°	7.0
52.5°	5.8
55°	5.8
57.5°	5.8
60°	4.7
62.5°	4.7
65°	4.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.7
70°	3.5
72.5°	3.5
75°	2.3
77.5°	2.3
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)