

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: P184294

Luminaire Tested: **L80808NF9027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184294
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: L80808NF9027MB
Description: HALO TRACK L LED 08, 850 LM, NARROW FLOOD, MATTE BLACK

Light Source: EATON LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 866.0 lumens
Efficiency: N/A
Efficacy: 72.8 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

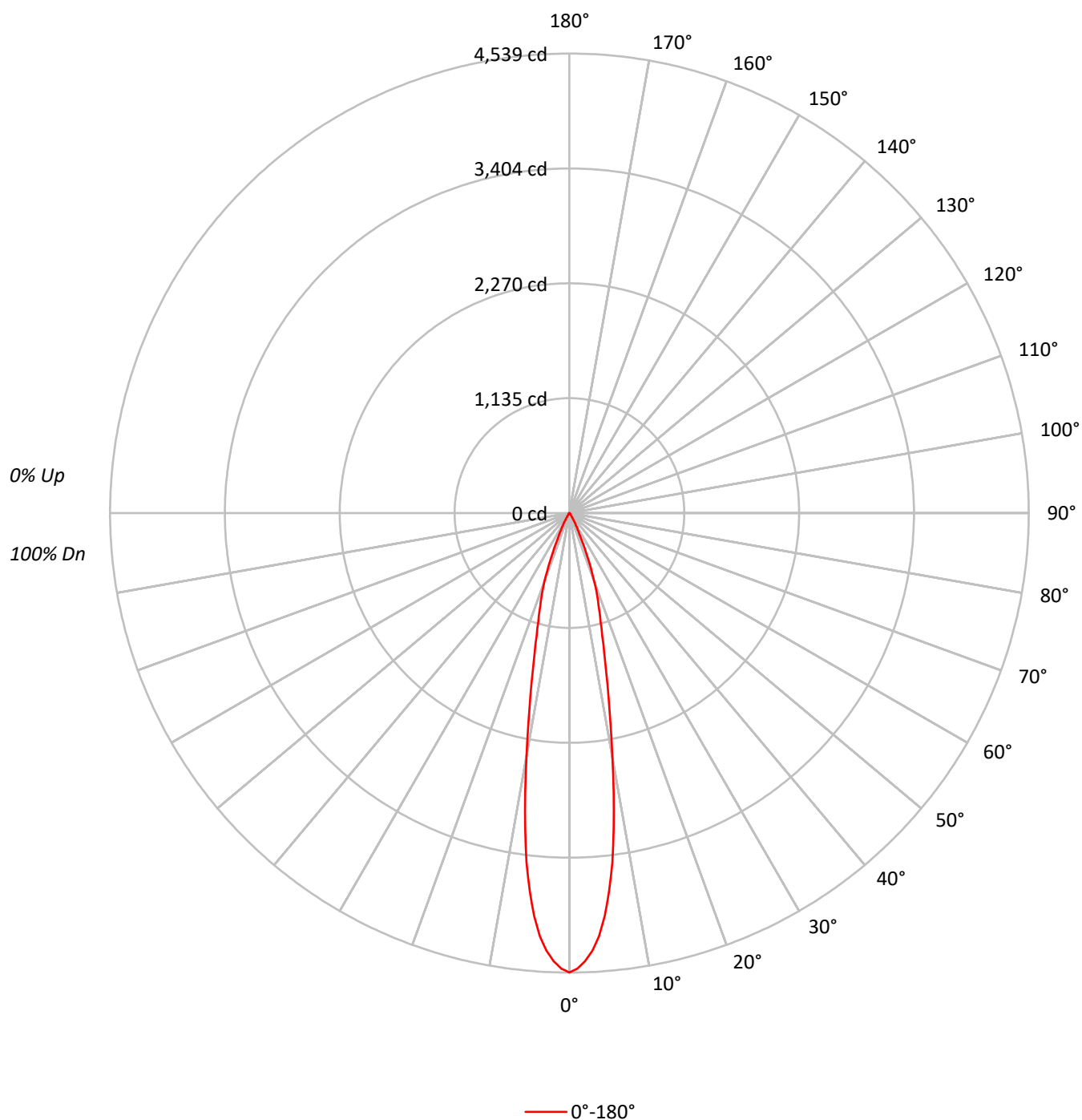
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	995227
5°	879747
10°	545414
15°	284428
20°	167711
25°	61746
30°	21548
35°	5381
40°	3006
45°	2078
50°	1944
55°	1835
60°	1667
65°	1972
70°	1859
75°	1610
80°	1263
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.4	38.2
10°-20°	364.0	42.0
20°-30°	136.6	15.8
30°-40°	18.5	2.1
40°-50°	5.8	0.7
50°-60°	4.3	0.5
60°-70°	3.7	0.4
70°-80°	2.3	0.3
80°-90°	0.4	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°	831.1	96.0
0°-40°	849.6	98.1
0°-60°	859.7	99.3
0°-90°	866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	866.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4539	
5°	3997	330
15°	1253	364
25°	255	137
35°	20	19
45°	7	6
55°	5	4
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4538.6
1°	4500.4
2°	4429.7
3°	4329.3
4°	4189.8
5°	3996.7
6°	3756.9
7°	3475.9
8°	3143.3
9°	2794.5
10°	2449.5
11°	2132.2
12°	1856.9
13°	1616.1
14°	1420.2
15°	1252.9
16°	1120.1
17°	1007.3
18°	912.7
19°	820.0
20°	718.7
21°	612.6
22°	510.3
23°	413.8
24°	328.8
25°	255.2
26°	203.6
27°	169.2
28°	139.5
29°	110.9
30°	85.1
32.5°	42.1
35°	20.1
37.5°	13.4
40°	10.5
42.5°	8.6
45°	6.7
47.5°	6.7
50°	5.7
52.5°	4.8
55°	4.8
57.5°	4.8
60°	3.8
62.5°	3.8
65°	3.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.8
70°	2.9
72.5°	2.9
75°	1.9
77.5°	1.9
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)