

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: P184293

Luminaire Tested: **L80808NF9027AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184293
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: L80808NF9027AH
Description: HALO TRACK L LED 08, 850 LM, NARROW FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 877.0 lumens
Efficiency: N/A
Efficacy: 73.7 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

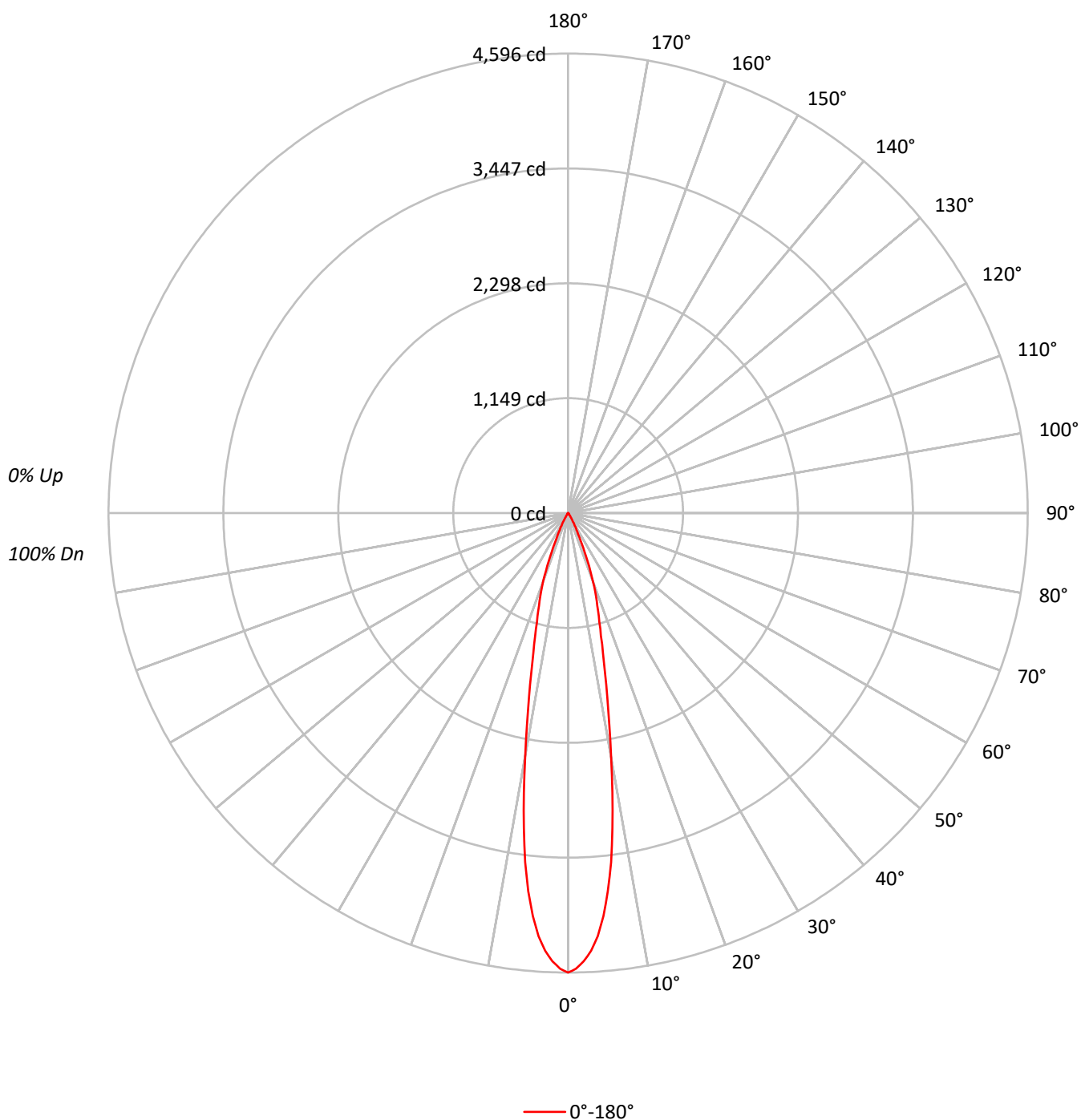
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	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	76	80	77	75	74								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1007880
5°	890929
10°	552339
15°	288038
20°	169835
25°	62520
30°	21801
35°	5434
40°	3034
45°	2109
50°	1979
55°	1835
60°	1710
65°	2024
70°	1859
75°	1610
80°	1263
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.6	38.2
10°-20°	368.7	42.0
20°-30°	138.4	15.8
30°-40°	18.7	2.1
40°-50°	5.9	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°	841.6	96.0
0°-40°	860.4	98.1
0°-60°	870.6	99.3
0°-90°	877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4596	
5°	4048	335
15°	1269	369
25°	258	138
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°	4596.3
1°	4557.6
2°	4485.9
3°	4384.3
4°	4243.0
5°	4047.5
6°	3804.6
7°	3520.0
8°	3183.2
9°	2830.0
10°	2480.6
11°	2159.3
12°	1880.5
13°	1636.6
14°	1438.2
15°	1268.8
16°	1134.3
17°	1020.1
18°	924.3
19°	830.4
20°	727.8
21°	620.4
22°	516.8
23°	419.1
24°	332.9
25°	258.4
26°	206.2
27°	171.3
28°	141.3
29°	112.3
30°	86.1
32.5°	42.6
35°	20.3
37.5°	13.5
40°	10.6
42.5°	8.7
45°	6.8
47.5°	6.8
50°	5.8
52.5°	4.8
55°	4.8
57.5°	4.8
60°	3.9
62.5°	3.9
65°	3.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.9
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)