

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: P184074

Luminaire Tested: **L80815NF9027AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184074
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: L80815NF9027AH
Description: HALO TRACK LL LED 08, 1500 LM, NARROW FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1334.8 lumens
Efficiency: N/A
Efficacy: 64.5 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

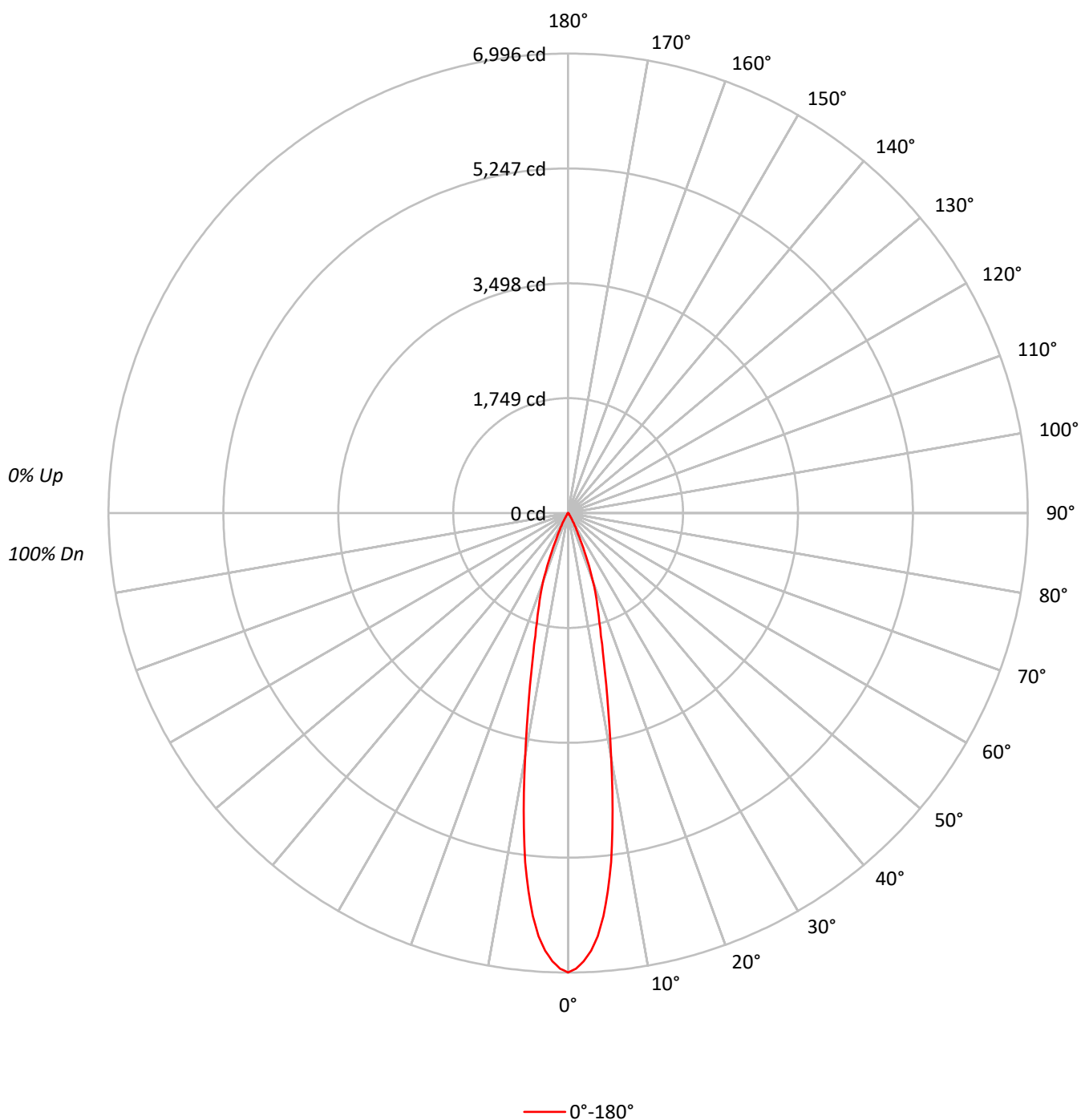
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1534022
5°	1356039
10°	840666
15°	438413
20°	258509
25°	95159
30°	33195
35°	8272
40°	4637
45°	3194
50°	3002
55°	2829
60°	2588
65°	3061
70°	2821
75°	2457
80°	1894
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.3	38.2
10°-20°	561.1	42.0
20°-30°	210.6	15.8
30°-40°	28.5	2.1
40°-50°	8.9	0.7
50°-60°	6.6	0.5
60°-70°	5.7	0.4
70°-80°	3.5	0.3
80°-90°	0.6	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°	1281.0	96.0
0°-40°	1309.6	98.1
0°-60°	1325.1	99.3
0°-90°	1334.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1334.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6996	
5°	6160	509
15°	1931	561
25°	393	211
35°	31	29
45°	10	9
55°	7	7
65°	6	6
75°	3	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6995.7
1°	6936.8
2°	6827.8
3°	6673.1
4°	6458.0
5°	6160.5
6°	5790.7
7°	5357.6
8°	4845.0
9°	4307.3
10°	3775.5
11°	3286.5
12°	2862.2
13°	2491.0
14°	2189.0
15°	1931.2
16°	1726.5
17°	1552.6
18°	1406.8
19°	1263.9
20°	1107.8
21°	944.3
22°	786.6
23°	637.8
24°	506.7
25°	393.3
26°	313.8
27°	260.7
28°	215.1
29°	170.9
30°	131.1
32.5°	64.8
35°	30.9
37.5°	20.6
40°	16.2
42.5°	13.3
45°	10.3
47.5°	10.3
50°	8.8
52.5°	7.4
55°	7.4
57.5°	7.4
60°	5.9
62.5°	5.9
65°	5.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.9
70°	4.4
72.5°	4.4
75°	2.9
77.5°	2.9
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)