

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: P188931

Luminaire Tested: **L80808NF9035P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188931
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: L80808NF9035P
Description: HALO TRACK L LED 08, 850 LM, NARROW FLOOD, WHITE

Light Source: EATON LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1042.9 lumens
Efficiency: N/A
Efficacy: 87.6 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

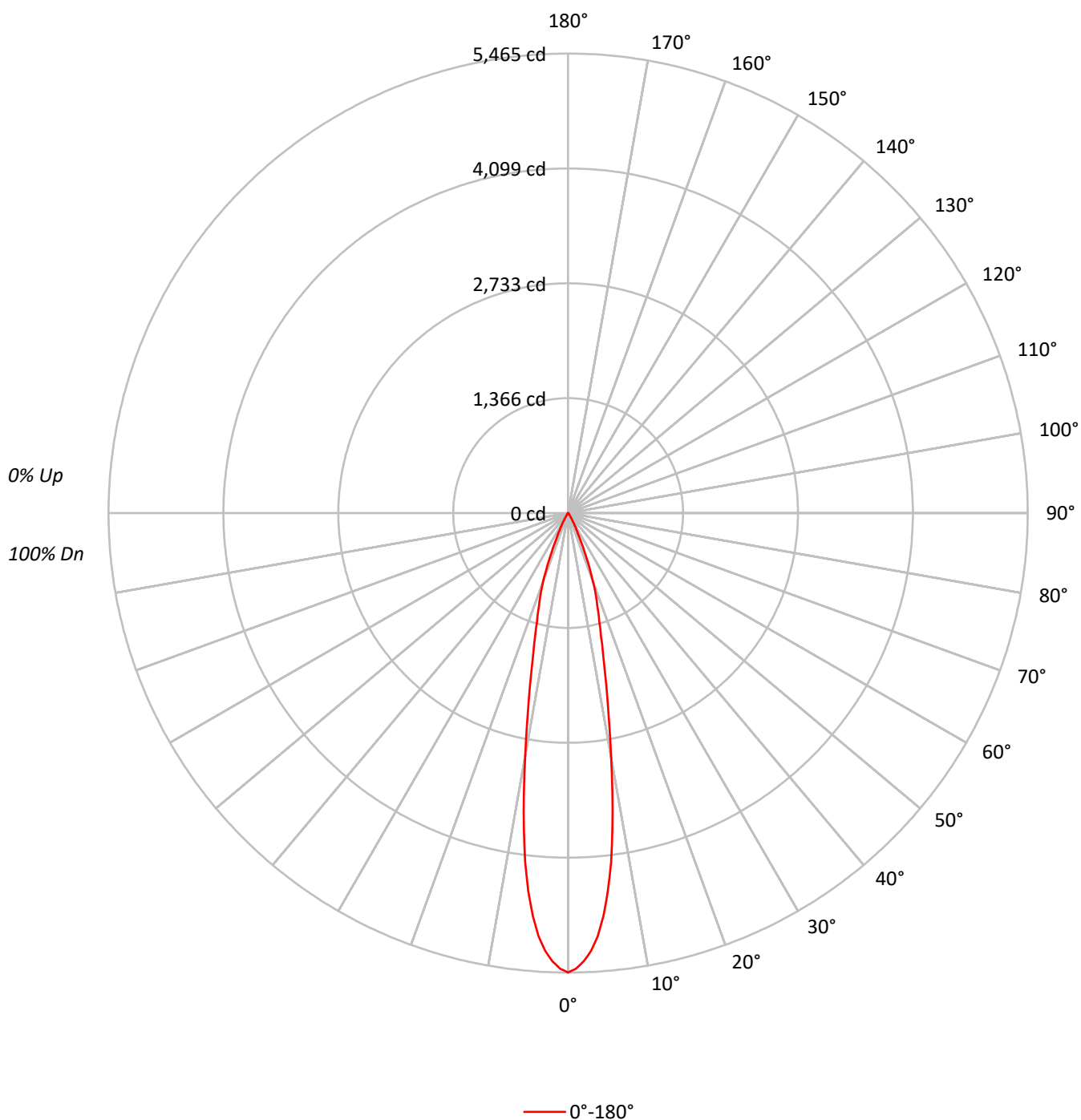
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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					100			
1	115	113	111	109	113	111	109	108	107	105	104	103	102	101	100	99	98	97					97			
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93					93			
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90					90			
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88					88			
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85					85			
6	99	93	88	85	97	92	88	85	91	87	85	89	86	84	88	86	84	83					83			
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	80					80			
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78					78			
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76					76			
10	89	82	79	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74					74			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1198369
5°	1059319
10°	656724
15°	342499
20°	201944
25°	74351
30°	25928
35°	6478
40°	3635
45°	2512
50°	2354
55°	2217
60°	2017
65°	2387
70°	2244
75°	1949
80°	1515
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.9	38.2
10°-20°	438.3	42.0
20°-30°	164.5	15.8
30°-40°	22.3	2.1
40°-50°	7.0	0.7
50°-60°	5.2	0.5
60°-70°	4.4	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°	1000.7	96.0
0°-40°	1023.0	98.1
0°-60°	1035.2	99.3
0°-90°	1042.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1042.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5465	
5°	4812	398
15°	1509	438
25°	307	165
35°	24	22
45°	8	7
55°	6	5
65°	5	4
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5465.0
1°	5419.0
2°	5333.8
3°	5213.0
4°	5045.0
5°	4812.5
6°	4523.7
7°	4185.3
8°	3784.9
9°	3364.8
10°	2949.4
11°	2567.4
12°	2235.9
13°	1945.9
14°	1710.0
15°	1508.7
16°	1348.7
17°	1212.9
18°	1099.0
19°	987.4
20°	865.4
21°	737.6
22°	614.5
23°	498.3
24°	395.9
25°	307.3
26°	245.1
27°	203.7
28°	168.0
29°	133.5
30°	102.4
32.5°	50.6
35°	24.2
37.5°	16.1
40°	12.7
42.5°	10.4
45°	8.1
47.5°	8.1
50°	6.9
52.5°	5.8
55°	5.8
57.5°	5.8
60°	4.6
62.5°	4.6
65°	4.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.6
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)