

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: P184296

Luminaire Tested: **L80808NF9030AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184296
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: L80808NF9030AH
Description: HALO TRACK L LED 08, 850 LM, NARROW FLOOD, ALUMINIUM HAZE

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 961.7 lumens
Efficiency: N/A
Efficacy: 80.8 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

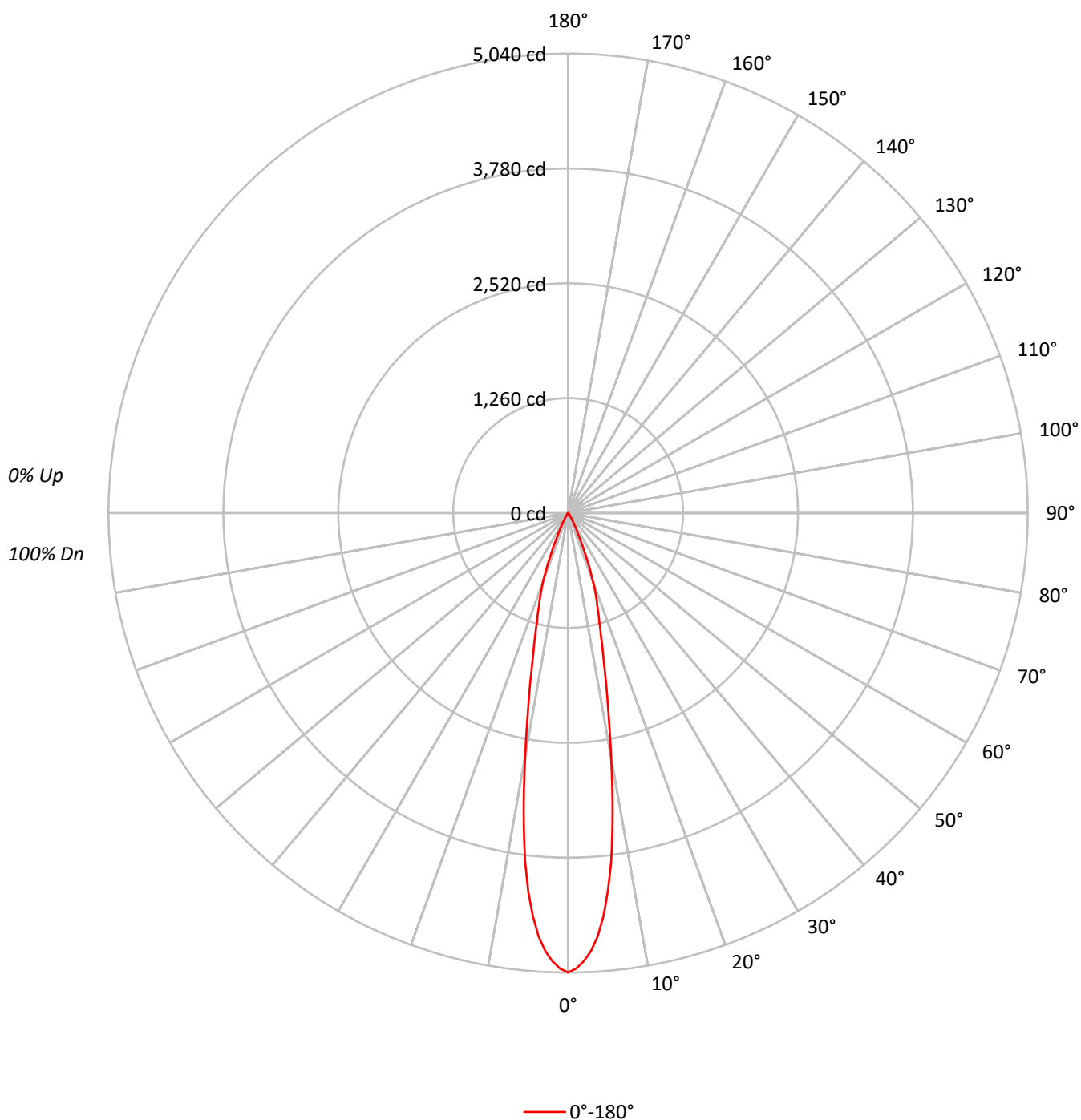
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P184296

CATALOG NUMBER: L80808NF9030AH

Luminous Intensity Polar Plot



TEST NUMBER: P184296

CATALOG NUMBER: L80808NF9030AH

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°	1105175
5°	976951
10°	605667
15°	315847
20°	186240
25°	68568
30°	23928
35°	5970
40°	3349
45°	2295
50°	2183
55°	2026
60°	1842
65°	2179
70°	2052
75°	1779
80°	1389
85°	0



TEST NUMBER: P184296

CATALOG NUMBER: L80808NF9030AH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.9	38.2
10°-20°	404.2	42.0
20°-30°	151.7	15.8
30°-40°	20.6	2.1
40°-50°	6.4	0.7
50°-60°	4.7	0.5
60°-70°	4.0	0.4
70°-80°	2.5	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°	922.9	96.0
0°-40°	943.5	98.1
0°-60°	954.7	99.3
0°-90°	961.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	961.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5040	
5°	4438	367
15°	1391	404
25°	283	152
35°	22	21
45°	7	6
55°	5	5
65°	4	4
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P184296

CATALOG NUMBER: L80808NF9030AH

CANDELA DISTRIBUTION (FULL):

0°	
0°	5040.0
1°	4997.6
2°	4919.0
3°	4807.6
4°	4652.7
5°	4438.3
6°	4171.9
7°	3859.9
8°	3490.5
9°	3103.2
10°	2720.1
11°	2367.7
12°	2062.1
13°	1794.6
14°	1577.1
15°	1391.3
16°	1243.8
17°	1118.6
18°	1013.5
19°	910.6
20°	798.1
21°	680.3
22°	566.7
23°	459.5
24°	365.1
25°	283.4
26°	226.1
27°	187.8
28°	154.9
29°	123.1
30°	94.5
32.5°	46.7
35°	22.3
37.5°	14.9
40°	11.7
42.5°	9.6
45°	7.4
47.5°	7.4
50°	6.4
52.5°	5.3
55°	5.3
57.5°	5.3
60°	4.2
62.5°	4.2
65°	4.2



TEST NUMBER: P184296

CATALOG NUMBER: L80808NF9030AH

CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.2
70°	3.2
72.5°	3.2
75°	2.1
77.5°	2.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)