

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: P184314

Luminaire Tested: **L80808FL9030AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27060)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80808FL9030AH
Description: HALO TRACK L LED 08, 850 LM, FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 920.0 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.62
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

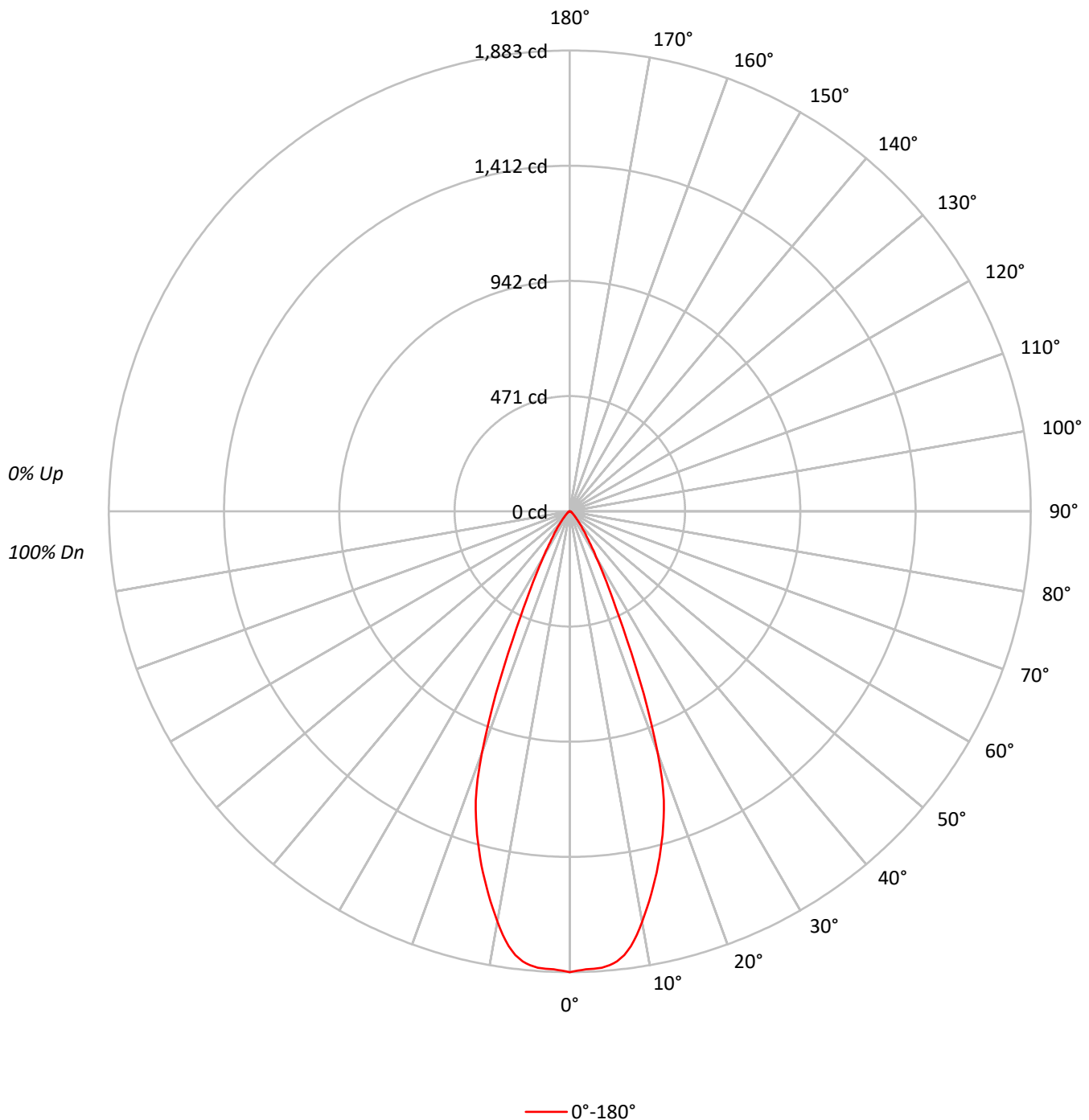
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																						
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102	100
1	114	112	109	107		112	110	108	106		106	104	102		102	101	99		98	97	97	95
2	109	105	102	99		107	103	100	97		100	98	95		97	95	93		95	93	91	90
3	105	99	95	92		103	98	94	91		95	92	89		93	90	88		91	89	87	85
4	101	94	89	86		99	93	89	85		91	87	84		89	86	83		87	85	82	81
5	97	90	85	81		95	89	84	80		87	83	80		85	82	79		84	81	78	77
6	93	85	80	77		92	85	80	76		83	79	76		82	78	75		81	77	75	74
7	89	81	76	73		88	81	76	73		80	75	72		79	75	72		78	74	72	70
8	86	78	73	69		85	77	73	69		76	72	69		75	72	69		75	71	68	67
9	83	75	70	66		82	74	70	66		73	69	66		73	69	66		72	68	66	65
10	80	72	67	64		79	71	67	64		71	66	63		70	66	63		69	66	63	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	412971
5°	409860
10°	378951
15°	325314
20°	245255
25°	115144
30°	54312
35°	28001
40°	15572
45°	8931
50°	5833
55°	4091
60°	3289
65°	3321
70°	3398
75°	2711
80°	2652
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	18.8
10°-20°	392.7	42.7
20°-30°	238.6	25.9
30°-40°	70.7	7.7
40°-50°	24.1	2.6
50°-60°	10.4	1.1
60°-70°	6.3	0.7
70°-80°	3.8	0.4
80°-90°	0.6	0.1
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°	804.2	87.4
0°-40°	874.8	95.1
0°-60°	909.3	98.8
0°-90°	920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	920.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1883	
5°	1862	173
15°	1433	393
25°	476	239
35°	105	71
45°	29	24
55°	11	10
65°	6	6
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1883.3
1°	1876.9
2°	1872.7
3°	1871.6
4°	1869.5
5°	1862.0
6°	1849.2
7°	1826.8
8°	1794.8
9°	1752.1
10°	1701.9
11°	1651.8
12°	1598.4
13°	1545.1
14°	1490.7
15°	1433.0
16°	1374.4
17°	1311.4
18°	1243.1
19°	1158.8
20°	1051.0
21°	929.4
22°	805.6
23°	688.2
24°	576.2
25°	475.9
26°	403.3
27°	348.9
28°	299.8
29°	255.0
30°	214.5
32.5°	148.3
35°	104.6
37.5°	74.7
40°	54.4
42.5°	39.5
45°	28.8
47.5°	22.4
50°	17.1
52.5°	13.9
55°	10.7
57.5°	9.6
60°	7.5
62.5°	7.5
65°	6.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.3
70°	5.3
72.5°	4.3
75°	3.2
77.5°	3.2
80°	2.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)