

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: P201179

Luminaire Tested: **L806XHONF8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P201179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23517)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806XHONF8027
Description: HALO LED EXTRA HIGH OUTPUT TRACK FIXTURE WITH NARROW FLOOD OPTIC

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

Summary

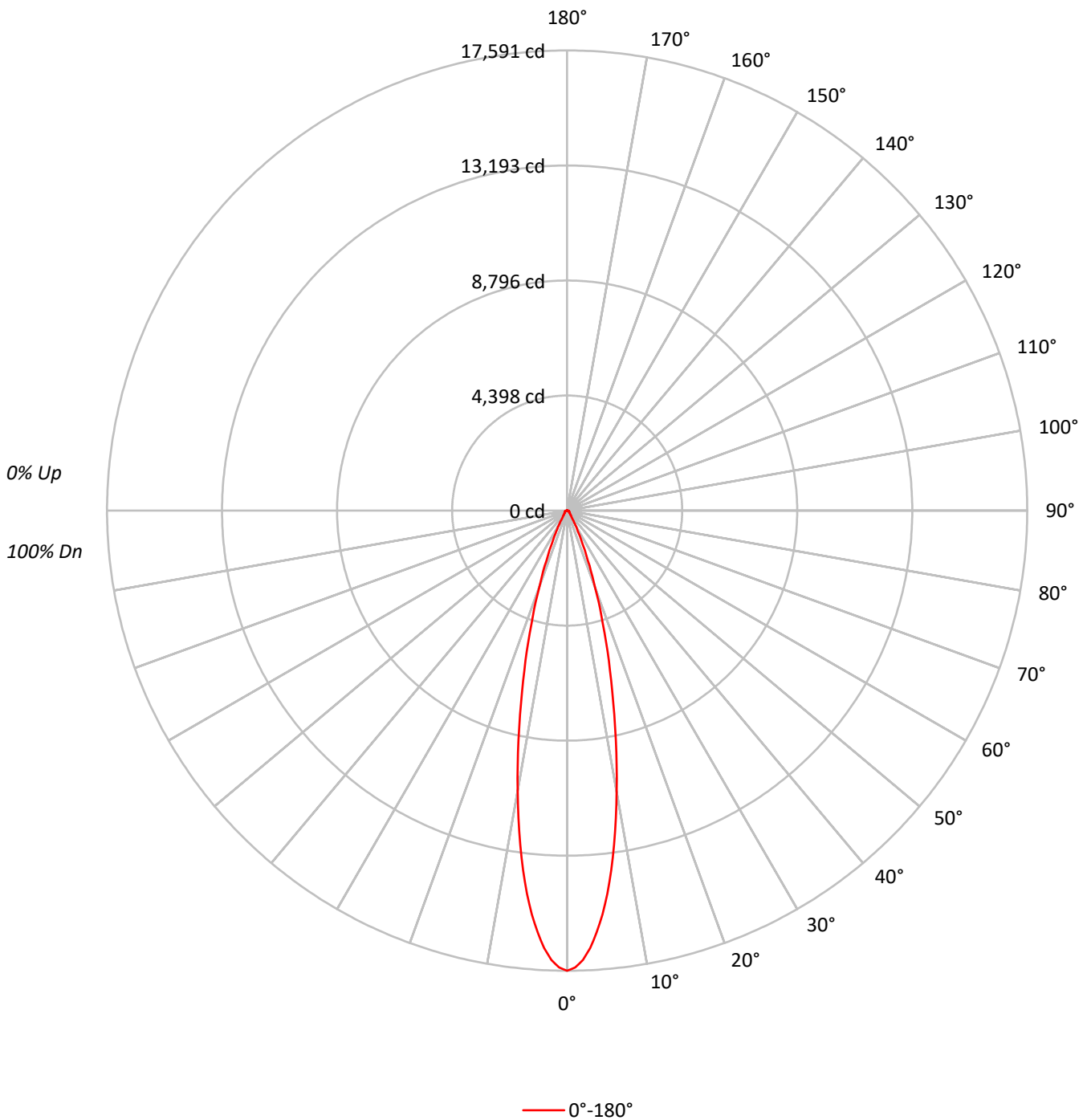
Lumens per Lamp: N/A
Luminaire Lumens: 4326.9 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.43
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 47.5
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95			95
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90			90
3	105	100	95	92	103	98	94	91	96	93	90	93	91	88	91	89	87	86			86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82			82
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79			79
6	94	87	82	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76			76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73			73
8	89	81	76	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71			71
9	86	78	74	71	85	78	74	71	77	73	70	76	73	70	76	72	70	69			69
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2468658
5°	2183376
10°	1554169
15°	919440
20°	466229
25°	211352
30°	95966
35°	48210
40°	32481
45°	30029
50°	23798
55°	23489
60°	25570
65°	24839
70°	32703
75°	31775
80°	34186
85°	23509



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1329.4	30.7
10°-20°	1747.4	40.4
20°-30°	682.6	15.8
30°-40°	198.8	4.6
40°-50°	115.3	2.7
50°-60°	91.4	2.1
60°-70°	81.6	1.9
70°-80°	55.2	1.3
80°-90°	25.3	0.6
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°	3759.4	86.9
0°-40°	3958.1	91.5
0°-60°	4164.8	96.3
0°-90°	4326.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4326.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17591	
5°	15499	###
15°	6328	1747
25°	1365	683
35°	281	199
45°	151	115
55°	96	91
65°	75	82
75°	59	55
85°	15	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	17590.6
1°	17468.6
2°	17188.8
3°	16749.6
4°	16167.2
5°	15498.6
6°	14722.6
7°	13852.2
8°	12907.1
9°	11909.8
10°	10906.1
11°	9925.1
12°	8960.4
13°	8000.6
14°	7122.2
15°	6328.3
17.5°	4525.8
20°	3121.8
22.5°	2072.5
25°	1364.9
27.5°	893.1
30°	592.2
32.5°	400.2
35°	281.4
37.5°	229.4
40°	177.3
42.5°	161.1
45°	151.3
47.5°	143.2
50°	109.0
52.5°	99.2
55°	96.0
57.5°	112.2
60°	91.1
62.5°	87.8
65°	74.8
67.5°	81.3
70°	79.7
72.5°	48.8
75°	58.6
77.5°	40.7
80°	42.3
82.5°	27.7
85°	14.6
87.5°	29.3



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)