

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: P201181

Luminaire Tested: **L806XHONF8035**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P201181  
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: L806XHONF8035  
Description: HALO LED EXTRA HIGH OUTPUT TRACK FIXTURE WITH NARROW FLOOD OPTIC  
  
Light Source: EATON LED 3500K  
Ballast/Driver: ELECTRONIC DRIVER

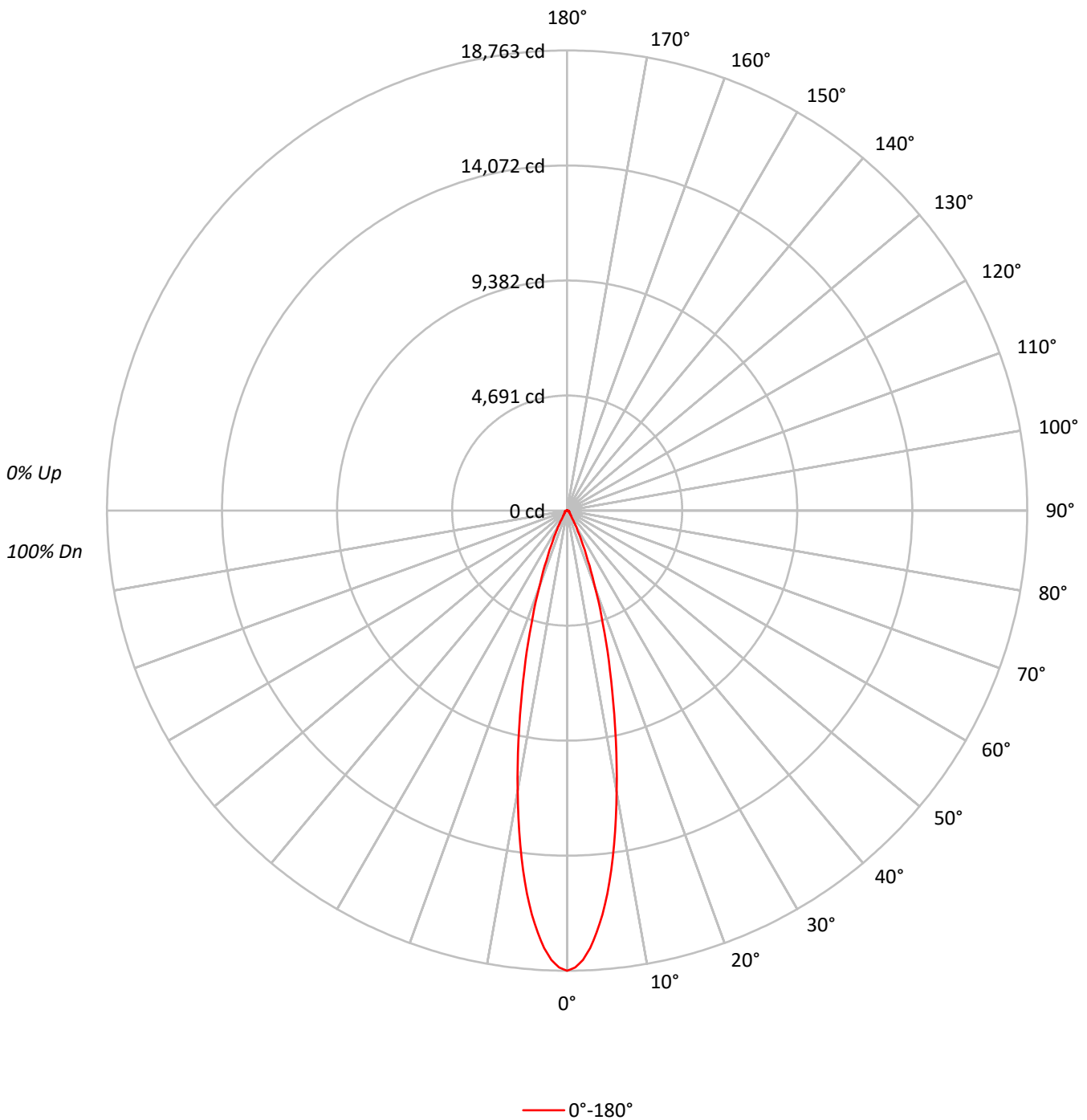
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4615.5 lumens  
Efficiency: N/A  
Efficacy: 97.2 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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98	97	96	95
2	109	105	102	99	107	103	100	97	100	98	95		97	95	93		95	93	91	90
3	105	100	95	92	103	98	94	91	96	93	90		93	91	88		91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85		90	87	84		88	86	83	82
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85	82	80	79
6	94	87	82	79	93	87	82	79	85	81	78		84	80	78		83	80	77	76
7	91	84	79	76	90	83	79	76	82	78	75		81	78	75		80	77	75	73
8	89	81	76	73	88	81	76	73	80	76	73		79	75	72		78	75	72	71
9	86	78	74	71	85	78	74	71	77	73	70		76	73	70		76	72	70	69
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74	70	68	67

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	2633235
5°	2328929
10°	1657784
15°	980738
20°	497323
25°	225443
30°	102351
35°	51431
40°	34643
45°	32033
50°	25392
55°	25055
60°	27282
65°	26499
70°	34878
75°	33889
80°	36449
85°	25119



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1418.0	30.7
10°-20°	1863.9	40.4
20°-30°	728.1	15.8
30°-40°	212.0	4.6
40°-50°	123.0	2.7
50°-60°	97.5	2.1
60°-70°	87.1	1.9
70°-80°	58.9	1.3
80°-90°	26.9	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°	4010.0	86.9
0°-40°	4222.0	91.5
0°-60°	4442.5	96.3
0°-90°	4615.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4615.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18763	
5°	16532	###
15°	6750	1864
25°	1456	728
35°	300	212
45°	161	123
55°	102	98
65°	80	87
75°	62	59
85°	16	27
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	18763.3
1°	18633.2
2°	18334.7
3°	17866.2
4°	17245.0
5°	16531.8
6°	15704.1
7°	14775.7
8°	13767.5
9°	12703.8
10°	11633.2
11°	10586.8
12°	9557.8
13°	8534.0
14°	7597.0
15°	6750.2
17.5°	4827.5
20°	3330.0
22.5°	2210.7
25°	1455.9
27.5°	952.7
30°	631.6
32.5°	426.9
35°	300.2
37.5°	244.7
40°	189.1
42.5°	171.8
45°	161.4
47.5°	152.7
50°	116.3
52.5°	105.9
55°	102.4
57.5°	119.7
60°	97.2
62.5°	93.7
65°	79.8
67.5°	86.8
70°	85.0
72.5°	52.1
75°	62.5
77.5°	43.4
80°	45.1
82.5°	29.5
85°	15.6
87.5°	31.2



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)