

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: P257079

Luminaire Tested: **L806XHONF8030MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257079  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L806XHONF8030MB  
Description: HALO LED EXTRA HIGH OUTPUT TRACK FIXTURE 06 WITH NARROW FLOOD OPTIC,  
MATTE BLACK  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-7)  
Light Source: (15) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

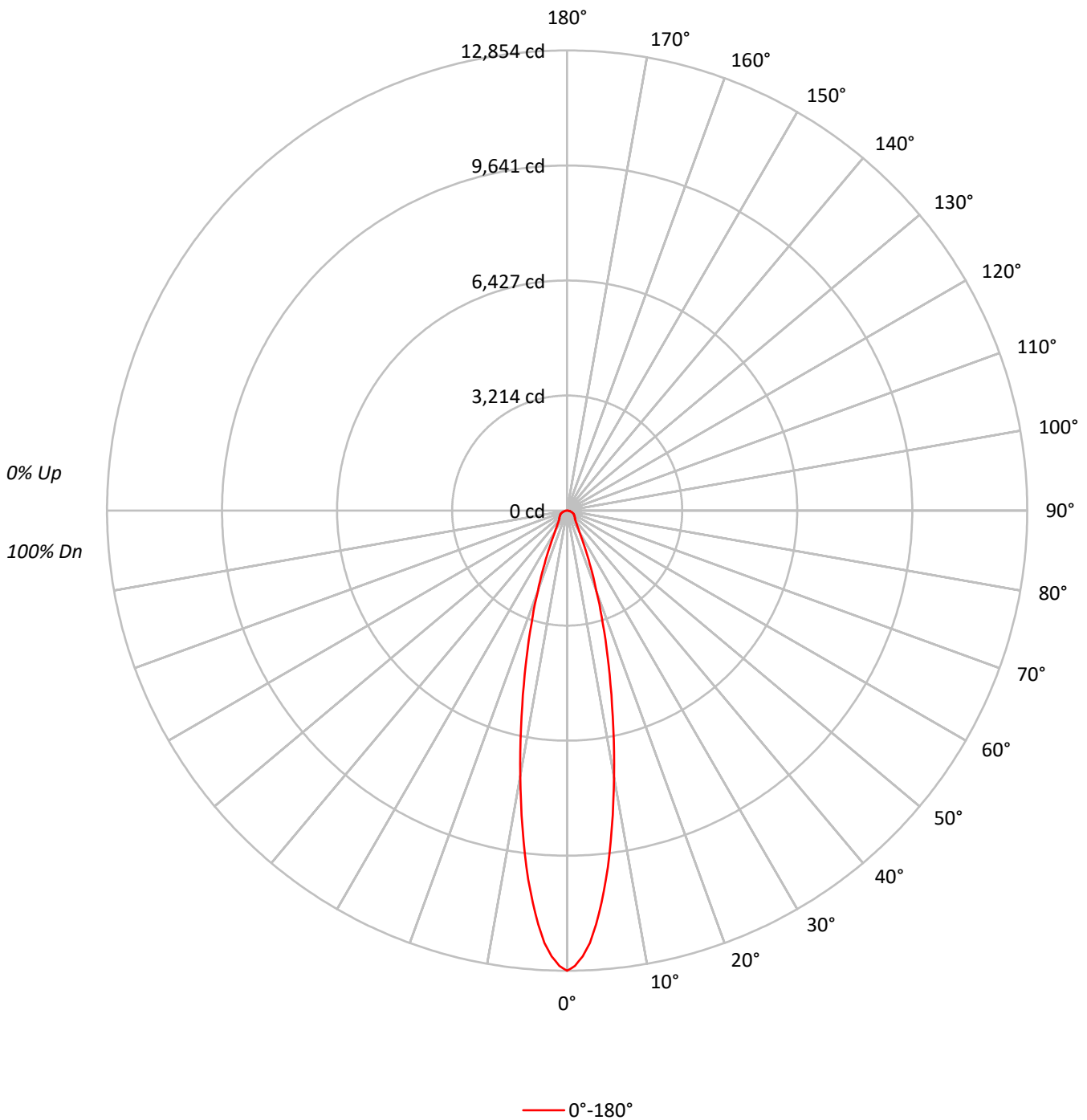
Lumens per Lamp: N/A  
Luminaire Lumens: 3856.7 lumens  
Efficiency: N/A  
Efficacy: 81.5 lumens/watt  
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.43  
Luminous Opening: Circular (Dia: 0.31' x H: 0')  
CIE Type: Direct

Input Watts (W): 47.3  
Input Voltage (V): 120  
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	113	110	107	104	110	107	105	103	103	101	99		100	98	96		96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90		93	91	88		91	88	86	85
3	101	95	89	85	99	93	88	84	91	86	83		88	85	82		86	83	80	79
4	97	89	83	79	95	88	82	78	85	81	77		83	80	76		82	78	76	74
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78	74	71	70
6	88	80	74	70	87	79	73	69	77	72	69		76	72	68		75	71	68	66
7	85	76	70	66	83	75	70	66	74	69	65		73	68	65		72	68	65	63
8	82	73	67	63	80	72	67	63	71	66	63		70	66	62		69	65	62	61
9	79	70	64	60	78	69	64	60	68	63	60		67	63	60		67	63	60	58
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64	60	57	56

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

	0°
0°	1803884
5°	1549492
10°	1073886
15°	649724
20°	356953
25°	190045
30°	111247
35°	79614
40°	65787
45°	59740
50°	62486
55°	62025
60°	61076
65°	63492
70°	59825
75°	54982
80°	51239
85°	56197



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	935.9	24.3
10°-20°	1241.4	32.2
20°-30°	598.1	15.5
30°-40°	301.3	7.8
40°-50°	240.7	6.2
50°-60°	220.2	5.7
60°-70°	178.8	4.6
70°-80°	105.5	2.7
80°-90°	34.8	0.9
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°	2775.4	72.0
0°-40°	3076.7	79.8
0°-60°	3537.6	91.7
0°-90°	3856.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3856.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12854	
5°	10999	936
15°	4472	1241
25°	1227	598
35°	465	301
45°	301	241
55°	254	220
65°	191	179
75°	101	106
85°	35	35
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12853.7
1°	12720.6
2°	12457.6
3°	12097.4
4°	11591.5
5°	10999.0
6°	10369.5
7°	9677.7
8°	8968.0
9°	8238.2
10°	7535.8
11°	6867.3
12°	6197.6
13°	5574.5
14°	5006.3
15°	4471.9
17.5°	3306.9
20°	2390.1
22.5°	1707.8
25°	1227.3
27.5°	891.4
30°	686.5
32.5°	552.4
35°	464.7
37.5°	403.5
40°	359.1
42.5°	327.4
45°	301.0
47.5°	295.7
50°	286.2
52.5°	247.1
55°	253.5
57.5°	231.3
60°	217.6
62.5°	197.5
65°	191.2
67.5°	152.1
70°	145.8
72.5°	118.3
75°	101.4
77.5°	76.0
80°	63.4
82.5°	48.6
85°	34.9
87.5°	12.7



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)