

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: P257067

Luminaire Tested: **L806HONF8030MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257067  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L806HONF8030MB  
Description: HALO LED HIGH OUTPUT TRACK FIXTURE 06 WITH NARROW FLOOD OPTIC, MATTE BLACK  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-3)  
Light Source: (15) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

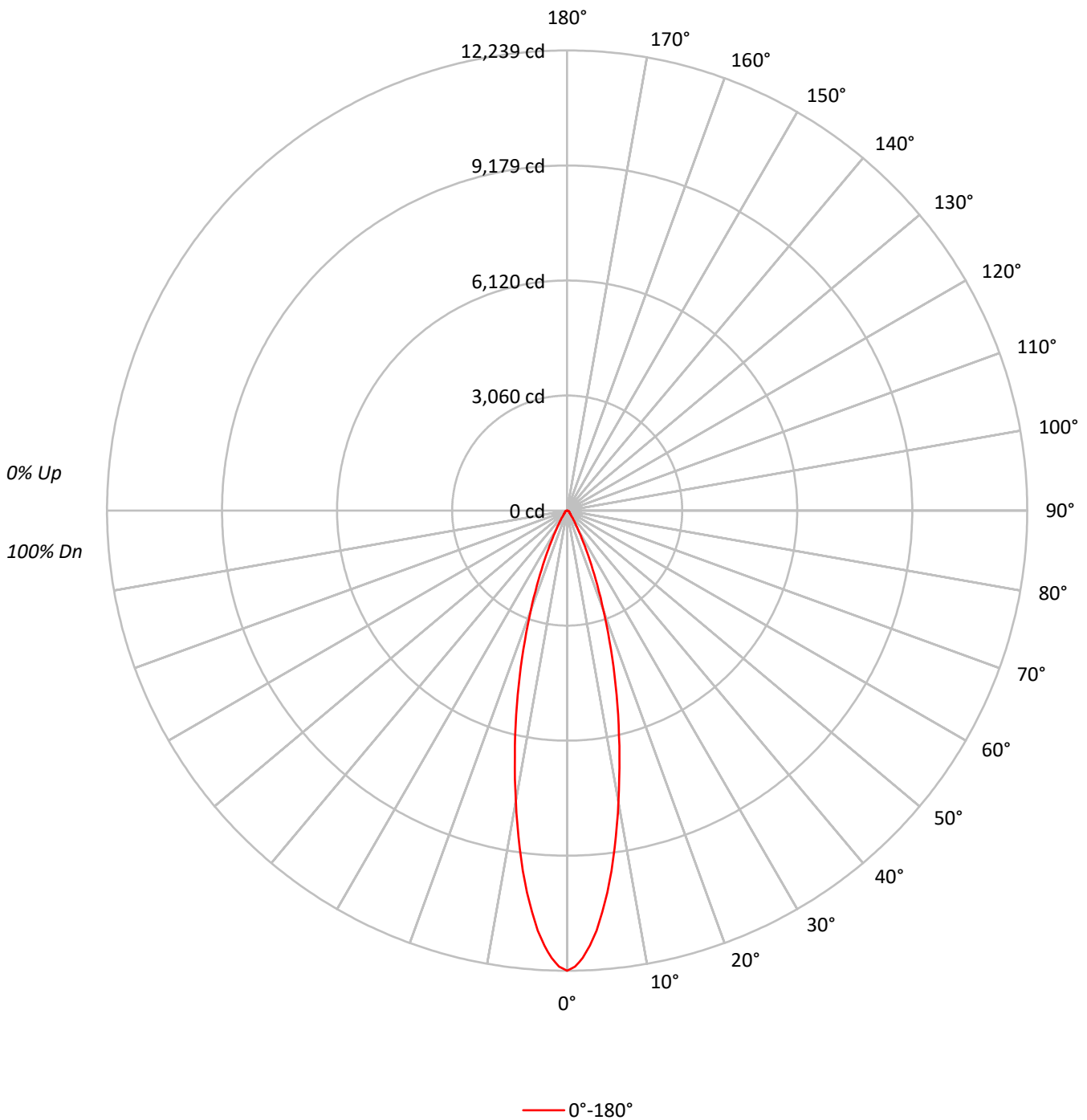
Lumens per Lamp: N/A  
Luminaire Lumens: 3392.1 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.46  
Luminous Opening: Circular (Dia: 0.31' x H: 0')  
CIE Type: Direct

Input Watts (W): 34.1  
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	114	112	109	107	112	110	108	106	106	104	103		102	101	99		98	98	97	95
2	110	105	102	99	107	104	100	98	100	98	96		98	95	94		95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		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	82	96	90	85	82	88	84	81		87	83	81		85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78		84	80	77		82	79	77	76
7	91	84	79	75	90	83	78	75	82	78	75		81	77	74		80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72		78	74	72		77	74	71	70
9	85	78	73	70	84	77	73	70	76	72	69		76	72	69		75	71	69	68
10	83	75	70	67	82	75	70	67	74	70	67		73	69	67		73	69	67	66

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

	0°
0°	1717617
5°	1510610
10°	1120371
15°	737232
20°	421978
25°	205436
30°	94670
35°	47182
40°	28378
45°	21137
50°	18558
55°	17910
60°	17823
65°	17135
70°	15880
75°	13990
80°	12204
85°	10466



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	930.3	27.4
10°-20°	1386.9	40.9
20°-30°	647.4	19.1
30°-40°	189.8	5.6
40°-50°	85.8	2.5
50°-60°	66.0	1.9
60°-70°	50.7	1.5
70°-80°	27.8	0.8
80°-90°	7.4	0.2
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°	2964.6	87.4
0°-40°	3154.4	93.0
0°-60°	3306.2	97.5
0°-90°	3392.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3392.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12239	
5°	10723	930
15°	5074	1387
25°	1327	647
35°	275	190
45°	106	86
55°	73	66
65°	52	51
75°	26	28
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12239.0
1°	12131.4
2°	11906.6
3°	11587.0
4°	11198.6
5°	10723.0
6°	10210.9
7°	9657.8
8°	9076.8
9°	8464.6
10°	7862.0
11°	7270.3
12°	6692.5
13°	6137.3
14°	5593.9
15°	5074.2
16°	4572.8
17°	4098.3
18°	3641.0
19°	3225.7
20°	2825.5
22.5°	1967.9
25°	1326.7
26°	1129.8
27°	957.6
28°	812.3
29°	687.5
30°	584.2
32.5°	396.0
35°	275.4
37.5°	200.1
40°	154.9
42.5°	125.9
45°	106.5
47.5°	94.7
50°	85.0
52.5°	78.5
55°	73.2
57.5°	68.9
60°	63.5
62.5°	57.0
65°	51.6
67.5°	45.2
70°	38.7
72.5°	32.3



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	25.8
77.5°	20.4
80°	15.1
82.5°	10.8
85°	6.5
87.5°	2.2
90°	0.0

(END OF REPORT)