

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: P257066

Luminaire Tested: **L806HONF8027MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257066  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L806HONF8027MB  
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) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

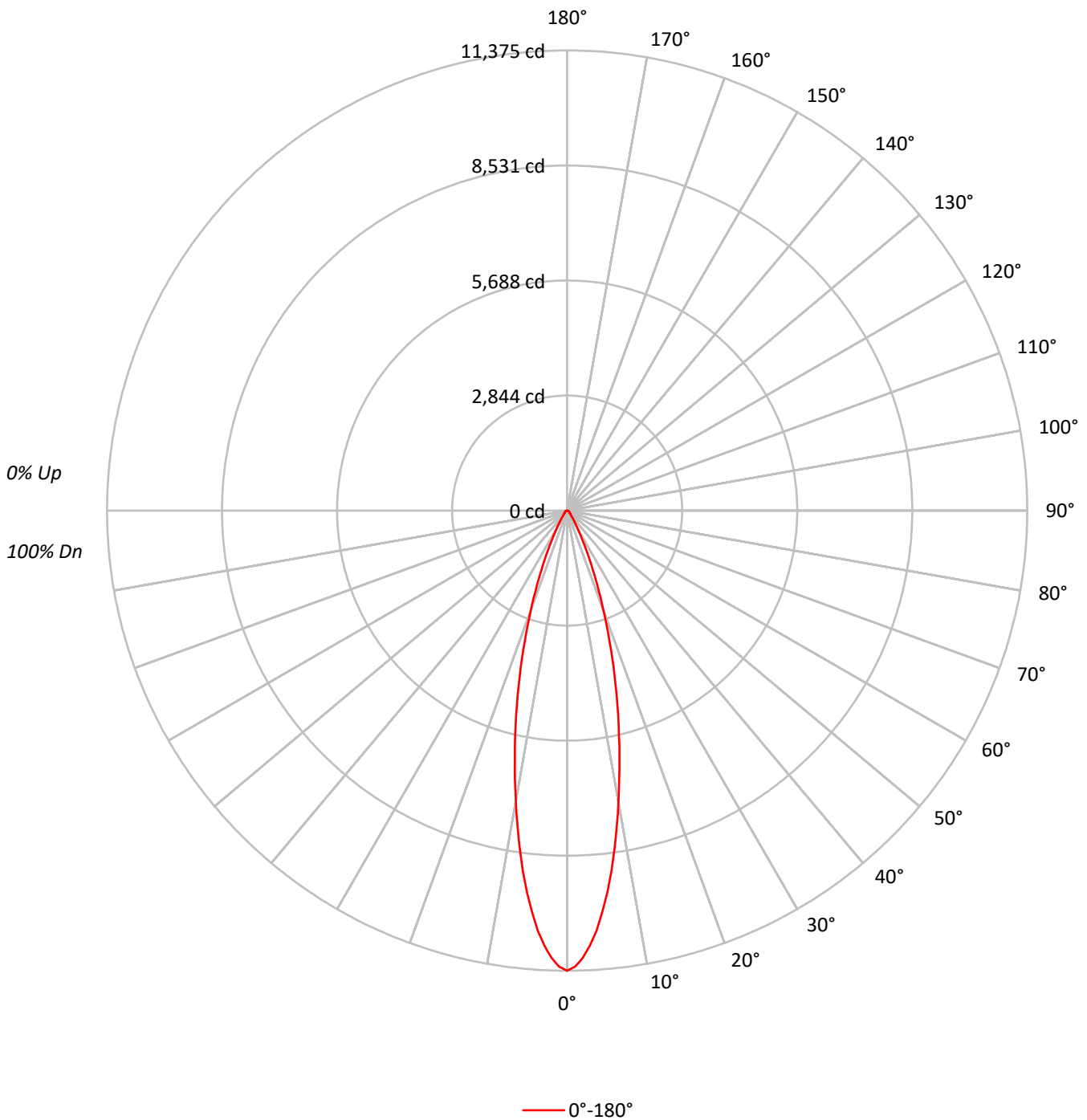
Lumens per Lamp: N/A  
Luminaire Lumens: 3152.6 lumens  
Efficiency: N/A  
Efficacy: 95.2 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.46  
Luminous Opening: Circular (Dia: 0.31' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.1  
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°	1596363
5°	1403967
10°	1041281
15°	685189
20°	392183
25°	190927
30°	87993
35°	43859
40°	26381
45°	19649
50°	17248
55°	16638
60°	16560
65°	15939
70°	14772
75°	13014
80°	11315
85°	9661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	864.6	27.4
10°-20°	1289.0	40.9
20°-30°	601.7	19.1
30°-40°	176.4	5.6
40°-50°	79.8	2.5
50°-60°	61.3	1.9
60°-70°	47.1	1.5
70°-80°	25.8	0.8
80°-90°	6.8	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°	2755.3	87.4
0°-40°	2931.8	93.0
0°-60°	3072.8	97.5
0°-90°	3152.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3152.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11375	
5°	9966	865
15°	4716	1289
25°	1233	602
35°	256	176
45°	99	80
55°	68	61
65°	48	47
75°	24	26
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11375
1°	11275
2°	11066
3°	10769
4°	10408
5°	9966
6°	9490
7°	8976
8°	8436
9°	7867
10°	7307
11°	6757
12°	6220
13°	5704
14°	5199
15°	4716
16°	4250
17°	3809
18°	3384
19°	2998
20°	2626
22.5°	1829
25°	1233
26°	1050
27°	890
28°	755
29°	639
30°	543
32.5°	368
35°	256
37.5°	186
40°	144
42.5°	117
45°	99
47.5°	88
50°	79
52.5°	73
55°	68
57.5°	64
60°	59
62.5°	53
65°	48
67.5°	42
70°	36
72.5°	30



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	24
77.5°	19
80°	14
82.5°	10
85°	6
87.5°	2
90°	0

(END OF REPORT)