

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: P257062

Luminaire Tested: **L806FL8040MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257062  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L806FL8040MB  
Description: HALO LED TRACK FIXTURE 06 WITH FLOOD OPTIC, MATTE BLACK  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-15)  
Light Source: (9) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

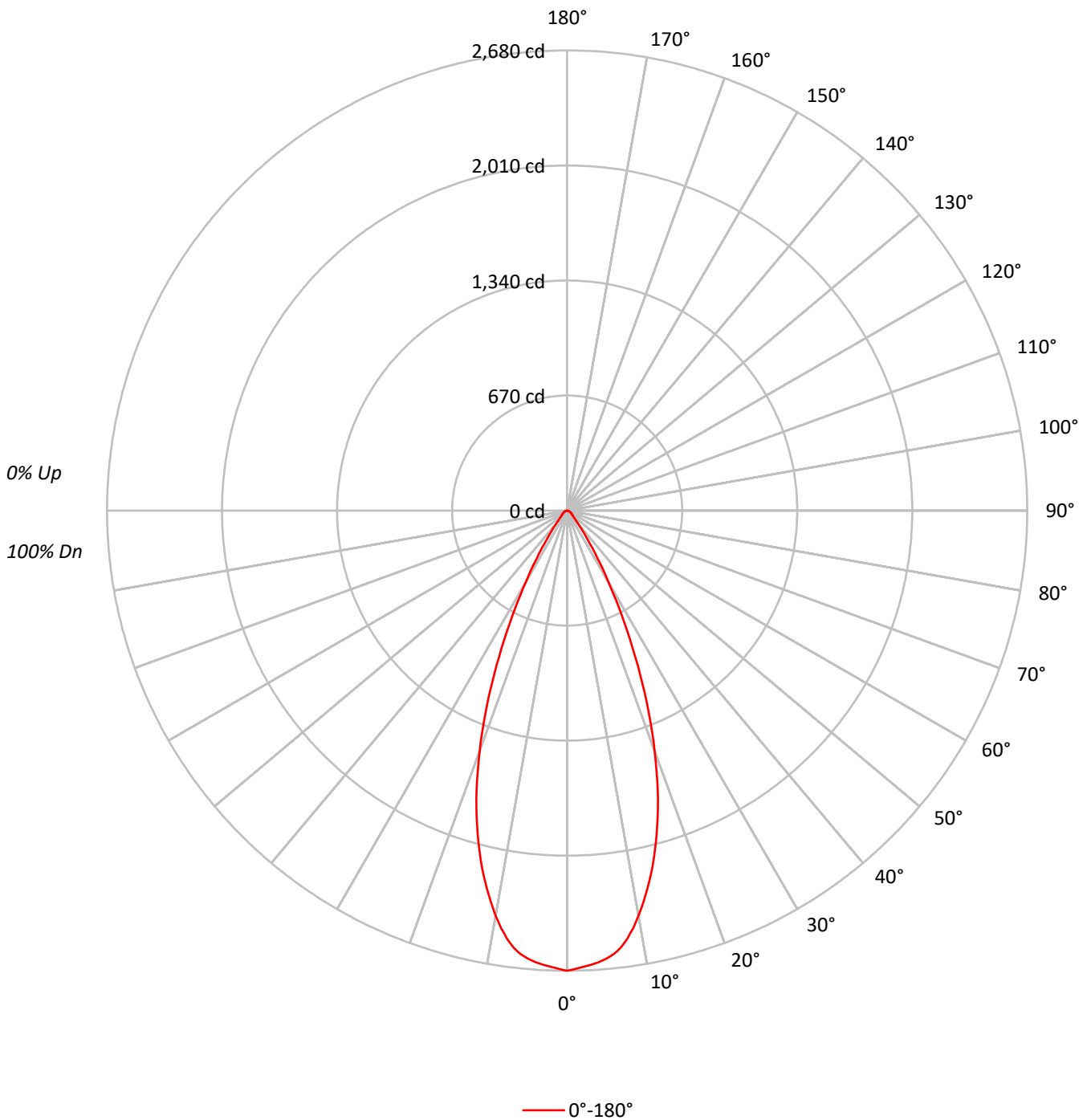
Lumens per Lamp: N/A  
Luminaire Lumens: 1466.8 lumens  
Efficiency: N/A  
Efficacy: 82.9 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.67  
Luminous Opening: Circular (Dia: 0.23' x H: 0')  
CIE Type: Direct

Input Watts (W): 17.7  
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	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88		92	89	86		89	87	85	83
4	99	92	87	83	98	91	87	83	89	85	82		87	84	81		85	83	80	79
5	95	87	82	78	93	87	82	78	85	80	77		83	79	77		82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73		79	75	72		78	75	72	71
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75	71	68	67
8	84	75	70	66	83	75	70	66	74	69	66		73	68	65		72	68	65	64
9	80	72	67	63	79	71	66	63	70	66	63		70	65	62		69	65	62	61
10	77	69	63	60	76	68	63	60	68	63	60		67	63	60		66	62	59	58

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

	0°
0°	699350
5°	686383
10°	634803
15°	539929
20°	414259
25°	270087
30°	145965
35°	68525
40°	32635
45°	20040
50°	15996
55°	14059
60°	12213
65°	10497
70°	8927
75°	7562
80°	6462
85°	6288



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.3	16.6
10°-20°	547.3	37.3
20°-30°	427.7	29.2
30°-40°	148.2	10.1
40°-50°	45.3	3.1
50°-60°	27.7	1.9
60°-70°	16.9	1.2
70°-80°	8.0	0.5
80°-90°	2.3	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°	1218.3	83.1
0°-40°	1366.6	93.2
0°-60°	1439.5	98.1
0°-90°	1466.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1466.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2680	
5°	2620	243
15°	1998	547
25°	938	428
35°	215	148
45°	54	45
55°	31	28
65°	17	17
75°	8	8
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2679.9
1°	2670.3
2°	2659.6
3°	2649.0
4°	2637.3
5°	2620.2
6°	2596.8
7°	2564.9
8°	2517.0
9°	2461.6
10°	2395.6
11°	2325.3
12°	2250.8
13°	2172.0
14°	2086.8
15°	1998.5
16°	1904.8
17°	1807.9
18°	1705.7
19°	1599.2
20°	1491.7
21°	1379.9
22°	1269.1
23°	1157.3
24°	1047.7
25°	938.0
26°	834.7
27°	737.8
28°	644.1
29°	561.1
30°	484.4
32.5°	327.9
35°	215.1
37.5°	140.5
40°	95.8
42.5°	69.2
45°	54.3
47.5°	45.8
50°	39.4
52.5°	35.1
55°	30.9
57.5°	26.6
60°	23.4
62.5°	20.2
65°	17.0



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	13.8
70°	11.7
72.5°	9.6
75°	7.5
77.5°	5.3
80°	4.3
82.5°	3.2
85°	2.1
87.5°	1.1
90°	0.0

(END OF REPORT)