

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: P257071

Luminaire Tested: **L806HOFL8040MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257071  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L806HOFL8040MB  
Description: HALO LED HIGH OUTPUT TRACK FIXTURE 06 WITH FLOOD OPTIC, MATTE BLACK  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-4)  
Light Source: (15) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

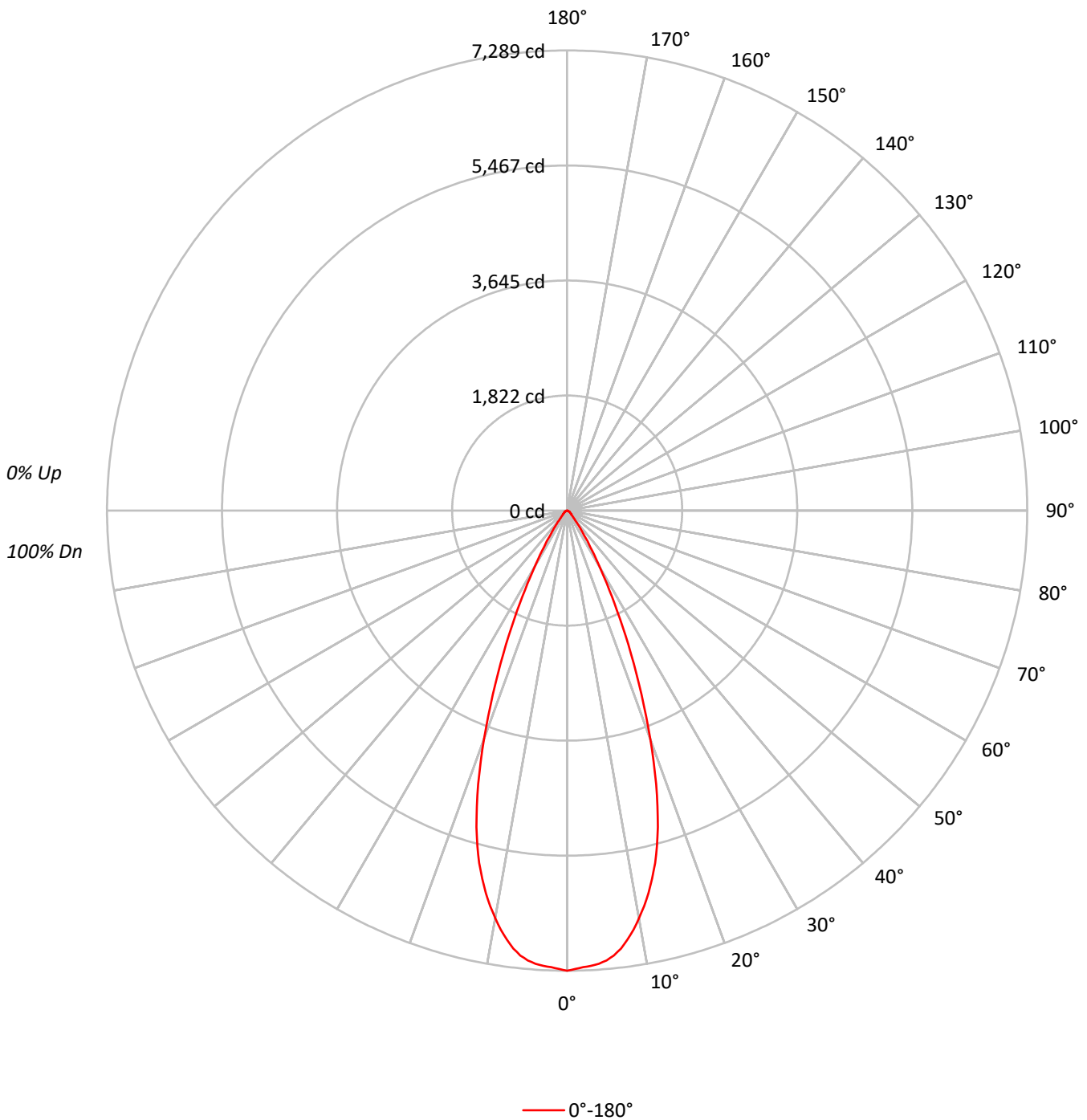
Lumens per Lamp: N/A  
Luminaire Lumens: 3662.0 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.64  
Luminous Opening: Circular (Dia: 0.31' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.6  
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	109	107	105	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	105	99	94	91	103	98	93	90	95	92	89		93	90	87		90	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	85	79	76	91	84	79	75	82	78	75		81	77	74		80	77	74	73
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77	73	71	69
8	85	77	72	68	84	77	72	68	76	71	68		75	71	68		74	70	67	66
9	82	74	69	65	81	73	69	65	72	68	65		72	68	65		71	67	65	63
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68	65	62	61

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

	0°
0°	1022908
5°	1007740
10°	934517
15°	798573
20°	574266
25°	338667
30°	167171
35°	75296
40°	35742
45°	21177
50°	16287
55°	14044
60°	12238
65°	10660
70°	8945
75°	7483
80°	6465
85°	5475



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	663.9	18.1
10°-20°	1486.2	40.6
20°-30°	1011.9	27.6
30°-40°	307.5	8.4
40°-50°	89.8	2.5
50°-60°	51.9	1.4
60°-70°	31.9	0.9
70°-80°	15.1	0.4
80°-90°	3.9	0.1
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°	3162.0	86.3
0°-40°	3469.5	94.7
0°-60°	3611.1	98.6
0°-90°	3662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3662.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7289	
5°	7153	664
15°	5496	1486
25°	2187	1012
35°	440	307
45°	107	90
55°	57	52
65°	32	32
75°	14	15
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7288.8
1°	7262.4
2°	7238.3
3°	7221.1
4°	7194.7
5°	7153.4
6°	7085.7
7°	6989.3
8°	6863.1
9°	6720.8
10°	6557.8
11°	6384.6
12°	6194.1
13°	5985.2
14°	5754.6
15°	5496.4
16°	5214.1
17°	4896.3
18°	4558.9
19°	4204.4
20°	3845.2
21°	3491.8
22°	3144.1
23°	2806.7
24°	2485.4
25°	2187.1
26°	1904.8
27°	1652.4
28°	1419.4
29°	1212.9
30°	1031.6
32.5°	679.3
35°	439.5
37.5°	289.2
40°	195.1
42.5°	140.0
45°	106.7
47.5°	88.4
50°	74.6
52.5°	65.4
55°	57.4
57.5°	50.5
60°	43.6
62.5°	37.9
65°	32.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	26.4
70°	21.8
72.5°	18.4
75°	13.8
77.5°	10.3
80°	8.0
82.5°	5.7
85°	3.4
87.5°	1.1
90°	0.0

(END OF REPORT)