

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: P257083

Luminaire Tested: **L806XHOF18040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257083
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806XHOFL8040MB
Description: HALO LED EXTRA HIGH OUTPUT TRACK FIXTURE 06 WITH FLOOD OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-8)
Light Source: (15) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

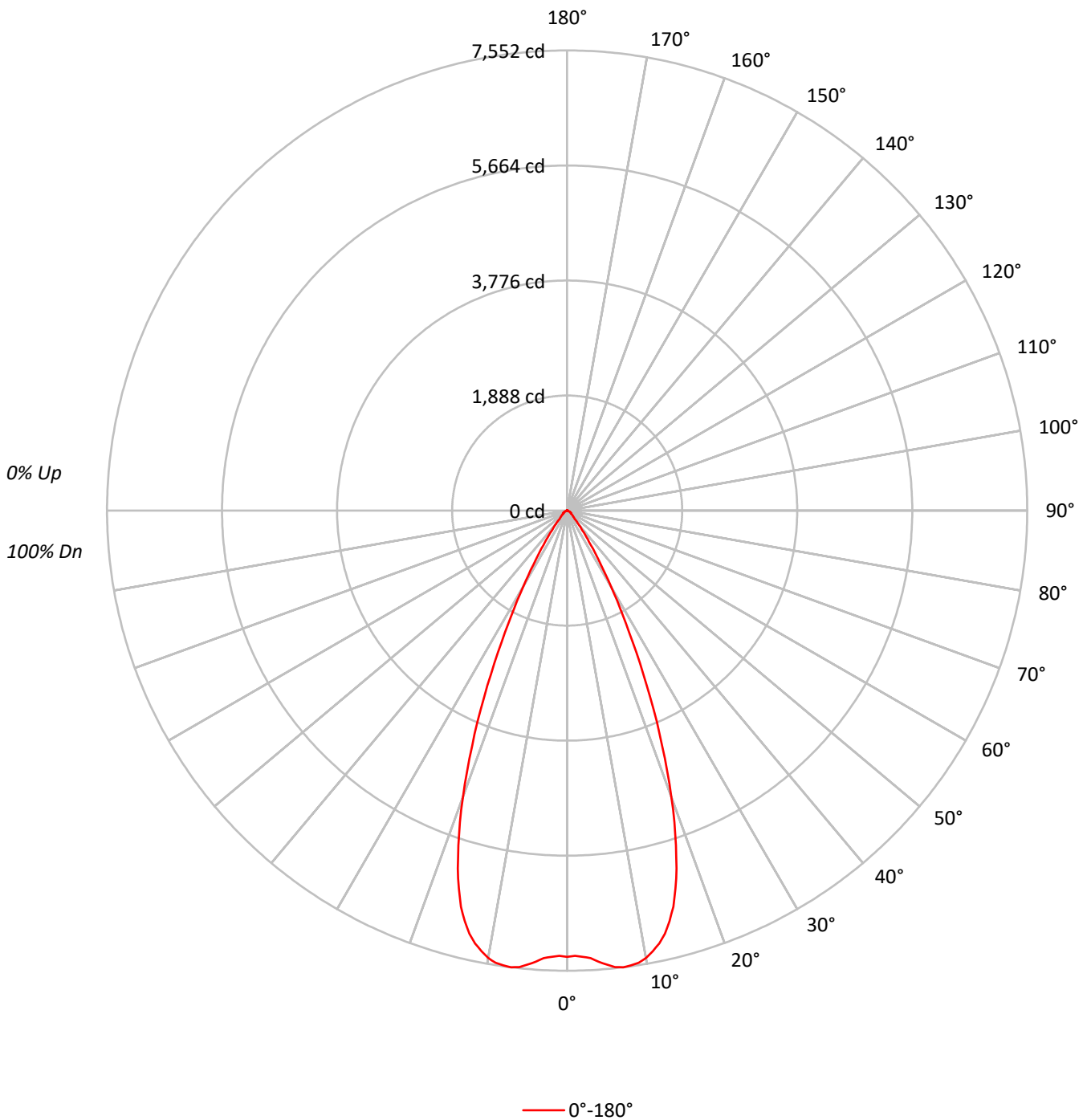
Lumens per Lamp: N/A
Luminaire Lumens: 4586.4 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.69
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 47.4
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	112	109	107	105	105	104	102		101	100	99		98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94		97	94	92		94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78		84	80	77		82	79	76	75
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79	75	73	71
7	88	79	74	70	86	79	74	70	78	73	70		76	72	69		75	72	69	68
8	84	76	70	67	83	75	70	67	74	70	66		73	69	66		72	69	66	65
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	60	68	63	60		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1027693
5°	1053821
10°	1062472
15°	977949
20°	747090
25°	458659
30°	233077
35°	107008
40°	52359
45°	28361
50°	22357
55°	18448
60°	20546
65°	13084
70°	8330
75°	7917
80°	9132
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.7	15.6
10°-20°	1817.6	39.6
20°-30°	1360.1	29.7
30°-40°	434.1	9.5
40°-50°	124.6	2.7
50°-60°	70.4	1.5
60°-70°	45.4	1.0
70°-80°	14.8	0.3
80°-90°	4.6	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°	3892.5	84.9
0°-40°	4326.6	94.3
0°-60°	4521.6	98.6
0°-90°	4586.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4586.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7323	
5°	7480	715
15°	6731	1818
25°	2962	1360
35°	625	434
45°	143	125
55°	75	70
65°	39	45
75°	15	15
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7322.9
1°	7307.2
2°	7328.6
3°	7354.4
4°	7423.1
5°	7480.5
6°	7533.4
7°	7552.5
8°	7537.9
9°	7515.4
10°	7455.7
11°	7367.9
12°	7262.2
13°	7128.2
14°	6943.7
15°	6731.0
16°	6454.1
17°	6140.1
18°	5776.6
19°	5408.6
20°	5002.4
21°	4582.6
22°	4162.8
23°	3771.2
24°	3342.4
25°	2962.0
26°	2588.4
27°	2247.4
28°	1944.7
29°	1689.2
30°	1438.3
32.5°	951.0
35°	624.6
37.5°	414.1
40°	285.8
42.5°	186.8
45°	142.9
47.5°	128.3
50°	102.4
52.5°	84.4
55°	75.4
57.5°	67.5
60°	73.2
62.5°	57.4
65°	39.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	40.5
70°	20.3
72.5°	20.3
75°	14.6
77.5°	5.6
80°	11.3
82.5°	9.0
85°	0.0
87.5°	2.3
90°	0.0

(END OF REPORT)