

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: P257082

Luminaire Tested: **L806XHOF18030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257082
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806XHOFL8030MB
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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

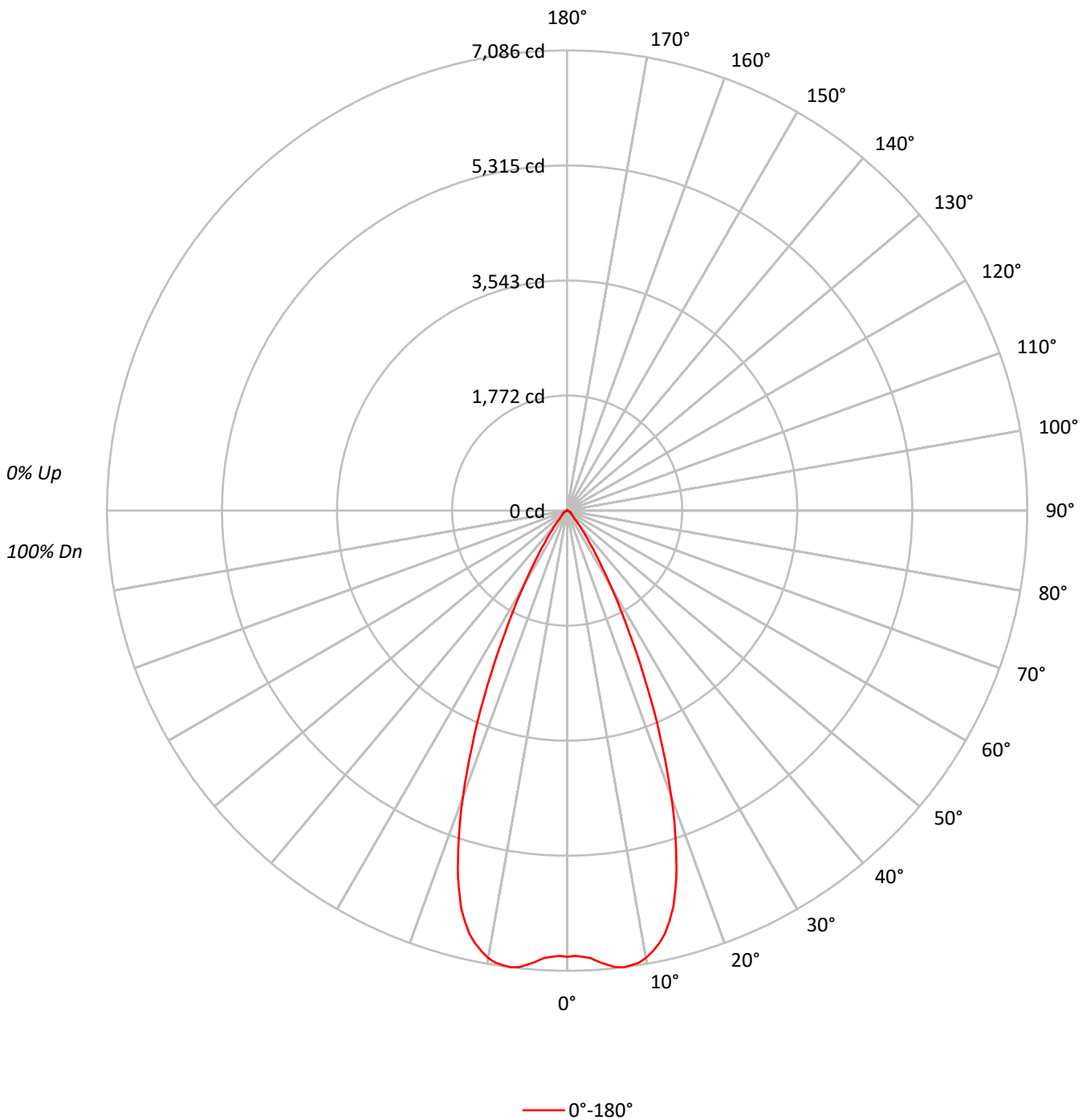
Lumens per Lamp: N/A
Luminaire Lumens: 4303.0 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.69
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 47.3
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°	964203
5°	988708
10°	996834
15°	917523
20°	700927
25°	430322
30°	218671
35°	100395
40°	49134
45°	26615
50°	20981
55°	17299
60°	19255
65°	12287
70°	7796
75°	7429
80°	8567
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	670.6	15.6
10°-20°	1705.3	39.6
20°-30°	1276.1	29.7
30°-40°	407.3	9.5
40°-50°	116.9	2.7
50°-60°	66.1	1.5
60°-70°	42.6	1.0
70°-80°	13.9	0.3
80°-90°	4.3	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°	3652.0	84.9
0°-40°	4059.3	94.3
0°-60°	4242.3	98.6
0°-90°	4303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4303.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6870	
5°	7018	671
15°	6315	1705
25°	2779	1276
35°	586	407
45°	134	117
55°	71	66
65°	37	43
75°	14	14
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6870.5
1°	6855.7
2°	6875.8
3°	6900.1
4°	6964.5
5°	7018.3
6°	7068.0
7°	7085.9
8°	7072.2
9°	7051.1
10°	6995.1
11°	6912.7
12°	6813.5
13°	6687.8
14°	6514.7
15°	6315.1
16°	6055.4
17°	5760.8
18°	5419.7
19°	5074.5
20°	4693.3
21°	4299.5
22°	3905.6
23°	3538.2
24°	3135.9
25°	2779.0
26°	2428.5
27°	2108.6
28°	1824.5
29°	1584.9
30°	1349.4
32.5°	892.2
35°	586.0
37.5°	388.6
40°	268.2
42.5°	175.3
45°	134.1
47.5°	120.4
50°	96.1
52.5°	79.2
55°	70.7
57.5°	63.4
60°	68.6
62.5°	53.8
65°	37.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	38.0
70°	19.0
72.5°	19.0
75°	13.7
77.5°	5.3
80°	10.6
82.5°	8.4
85°	0.0
87.5°	2.1
90°	0.0

(END OF REPORT)