

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: P257080

Luminaire Tested: **L806XHONF8040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257080
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806XHONF8040MB
Description: HALO LED EXTRA HIGH OUTPUT TRACK FIXTURE 06 WITH NARROW FLOOD OPTIC,
MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-7)
Light Source: (15) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

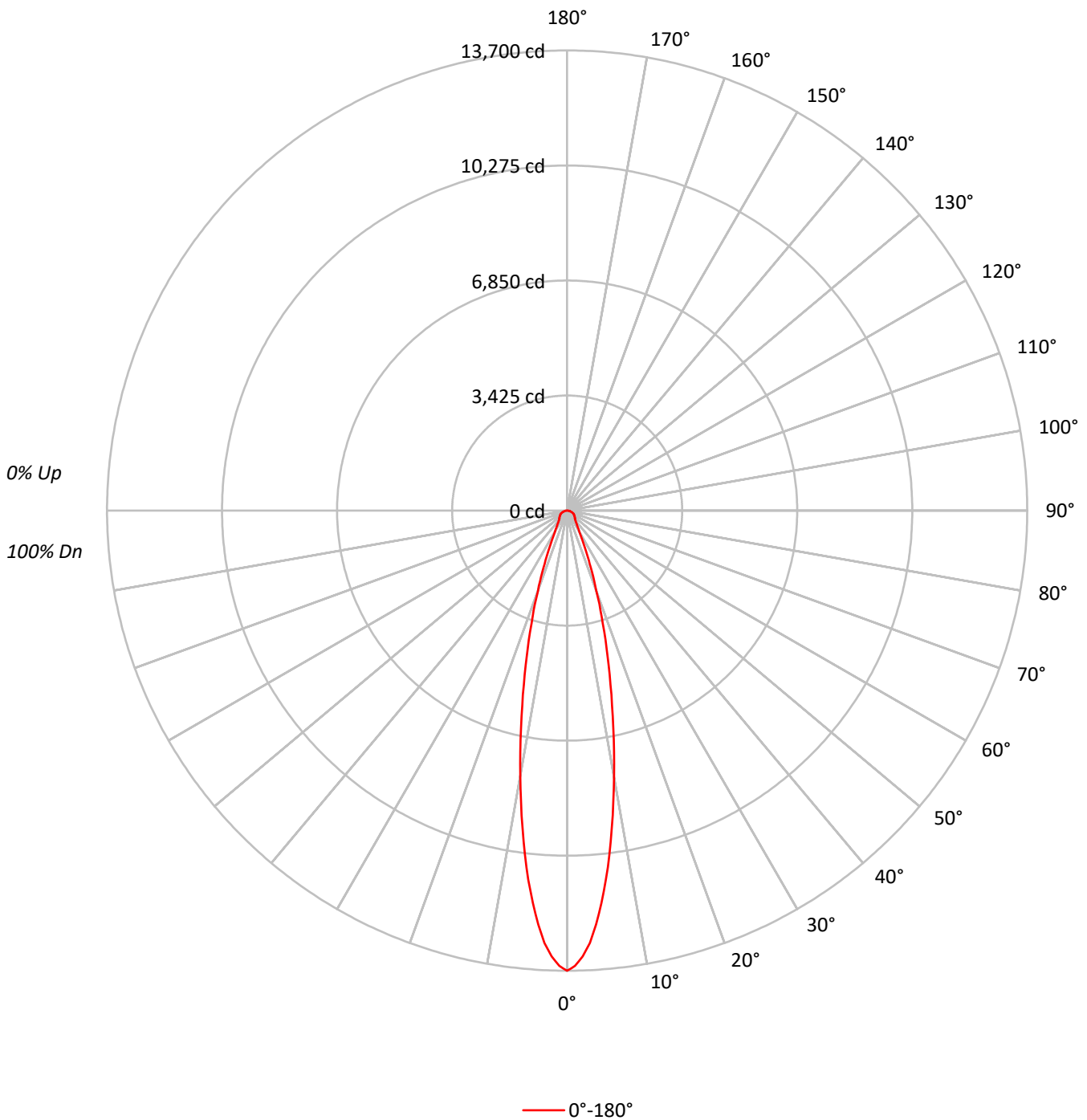
Lumens per Lamp: N/A
Luminaire Lumens: 4110.6 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.43
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

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	113	110	107	104	110	107	105	103	103	101	99		100	98	96		96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90		93	91	88		91	88	86	85
3	101	95	89	85	99	93	88	84	91	86	83		88	85	82		86	83	80	79
4	97	89	83	79	95	88	82	78	85	81	77		83	80	76		82	78	76	74
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78	74	71	70
6	88	80	74	70	87	79	73	69	77	72	69		76	72	68		75	71	68	66
7	85	76	70	66	83	75	70	66	74	69	65		73	68	65		72	68	65	63
8	82	73	67	63	80	72	67	63	71	66	63		70	66	62		69	65	62	61
9	79	70	64	60	78	69	64	60	68	63	60		67	63	60		67	63	60	58
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1922653
5°	1651514
10°	1144597
15°	692497
20°	380460
25°	202556
30°	118572
35°	84856
40°	70111
45°	63669
50°	66612
55°	66111
60°	65090
65°	67676
70°	63724
75°	58615
80°	54552
85°	59739



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	997.6	24.3
10°-20°	1323.1	32.2
20°-30°	637.5	15.5
30°-40°	321.2	7.8
40°-50°	256.5	6.2
50°-60°	234.7	5.7
60°-70°	190.5	4.6
70°-80°	112.5	2.7
80°-90°	37.0	0.9
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°	2958.1	72.0
0°-40°	3279.3	79.8
0°-60°	3770.5	91.7
0°-90°	4110.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4110.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13700	
5°	11723	998
15°	4766	1323
25°	1308	637
35°	495	321
45°	321	257
55°	270	235
65°	204	191
75°	108	113
85°	37	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13700.0
1°	13558.2
2°	13277.9
3°	12894.0
4°	12354.8
5°	11723.2
6°	11052.3
7°	10315.0
8°	9558.5
9°	8780.6
10°	8032.0
11°	7319.4
12°	6605.7
13°	5941.5
14°	5335.9
15°	4766.3
17.5°	3524.6
20°	2547.5
22.5°	1820.3
25°	1308.1
27.5°	950.1
30°	731.7
32.5°	588.8
35°	495.3
37.5°	430.0
40°	382.7
42.5°	349.0
45°	320.8
47.5°	315.2
50°	305.1
52.5°	263.4
55°	270.2
57.5°	246.5
60°	231.9
62.5°	210.5
65°	203.8
67.5°	162.1
70°	155.3
72.5°	126.1
75°	108.1
77.5°	81.1
80°	67.5
82.5°	51.8
85°	37.1
87.5°	13.5



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)