

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: P257078

Luminaire Tested: **L806XHONF8027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257078
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806XHONF8027MB
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) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

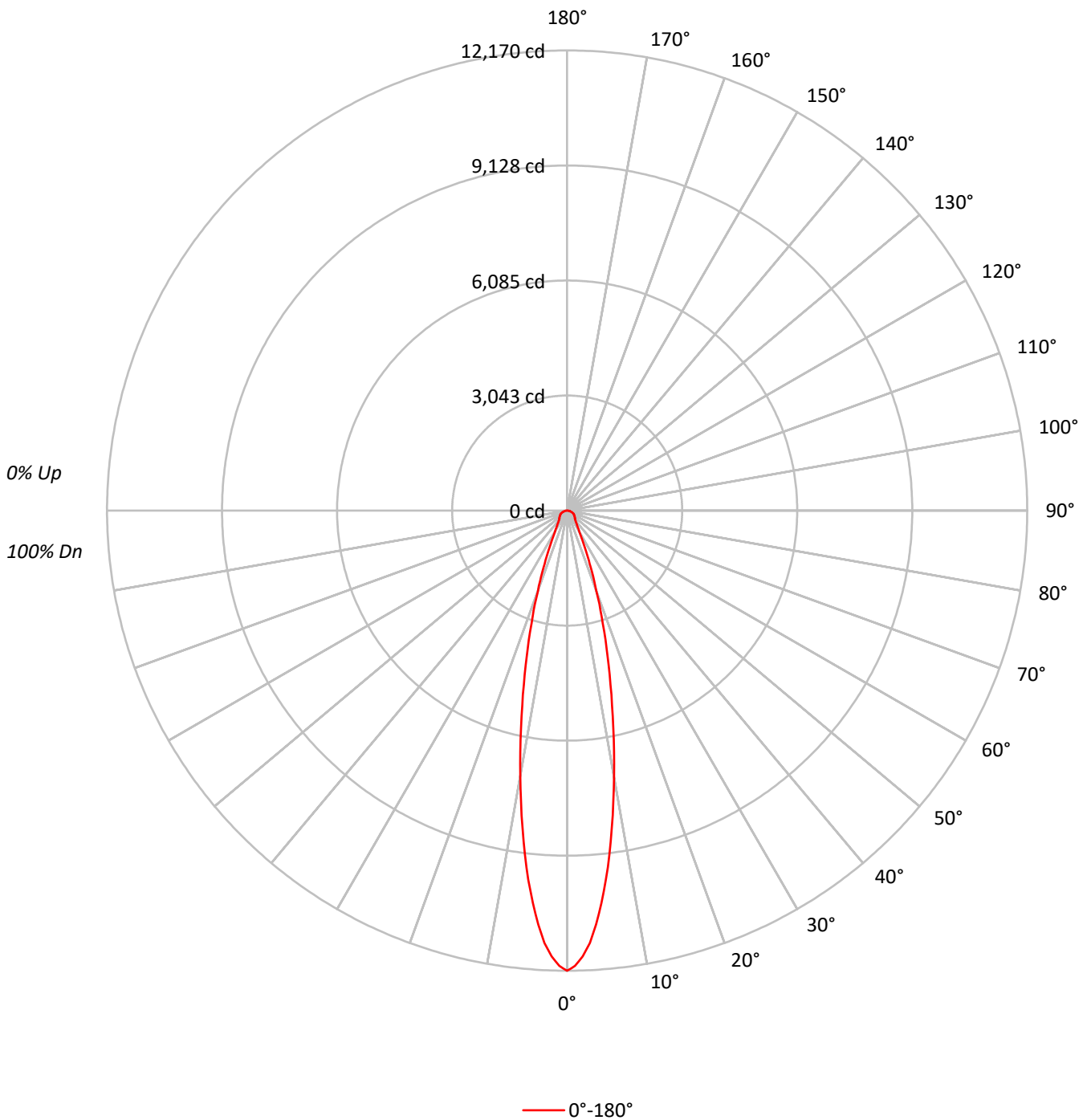
Lumens per Lamp: N/A
Luminaire Lumens: 3651.5 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.43
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 47.8
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°	1707933
5°	1467080
10°	1016770
15°	615159
20°	337971
25°	179933
30°	105333
35°	75382
40°	62288
45°	56564
50°	59167
55°	58722
60°	57820
65°	60105
70°	56625
75°	52054
80°	48491
85°	53137



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	886.2	24.3
10°-20°	1175.3	32.2
20°-30°	566.3	15.5
30°-40°	285.3	7.8
40°-50°	227.9	6.2
50°-60°	208.5	5.7
60°-70°	169.3	4.6
70°-80°	99.9	2.7
80°-90°	32.9	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°	2627.8	72.0
0°-40°	2913.1	79.8
0°-60°	3349.4	91.7
0°-90°	3651.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3651.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12170	
5°	10414	886
15°	4234	1175
25°	1162	566
35°	440	285
45°	285	228
55°	240	208
65°	181	169
75°	96	100
85°	33	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12170
1°	12044
2°	11795
3°	11454
4°	10975
5°	10414
6°	9818
7°	9163
8°	8491
9°	7800
10°	7135
11°	6502
12°	5868
13°	5278
14°	4740
15°	4234
17.5°	3131
20°	2263
22.5°	1617
25°	1162
27.5°	844
30°	650
32.5°	523
35°	440
37.5°	382
40°	340
42.5°	310
45°	285
47.5°	280
50°	271
52.5°	234
55°	240
57.5°	219
60°	206
62.5°	187
65°	181
67.5°	144
70°	138
72.5°	112
75°	96
77.5°	72
80°	60
82.5°	46
85°	33
87.5°	12



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)