

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: P257081

Luminaire Tested: **L806XHOF18027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257081
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806XHOFL8027MB
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) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

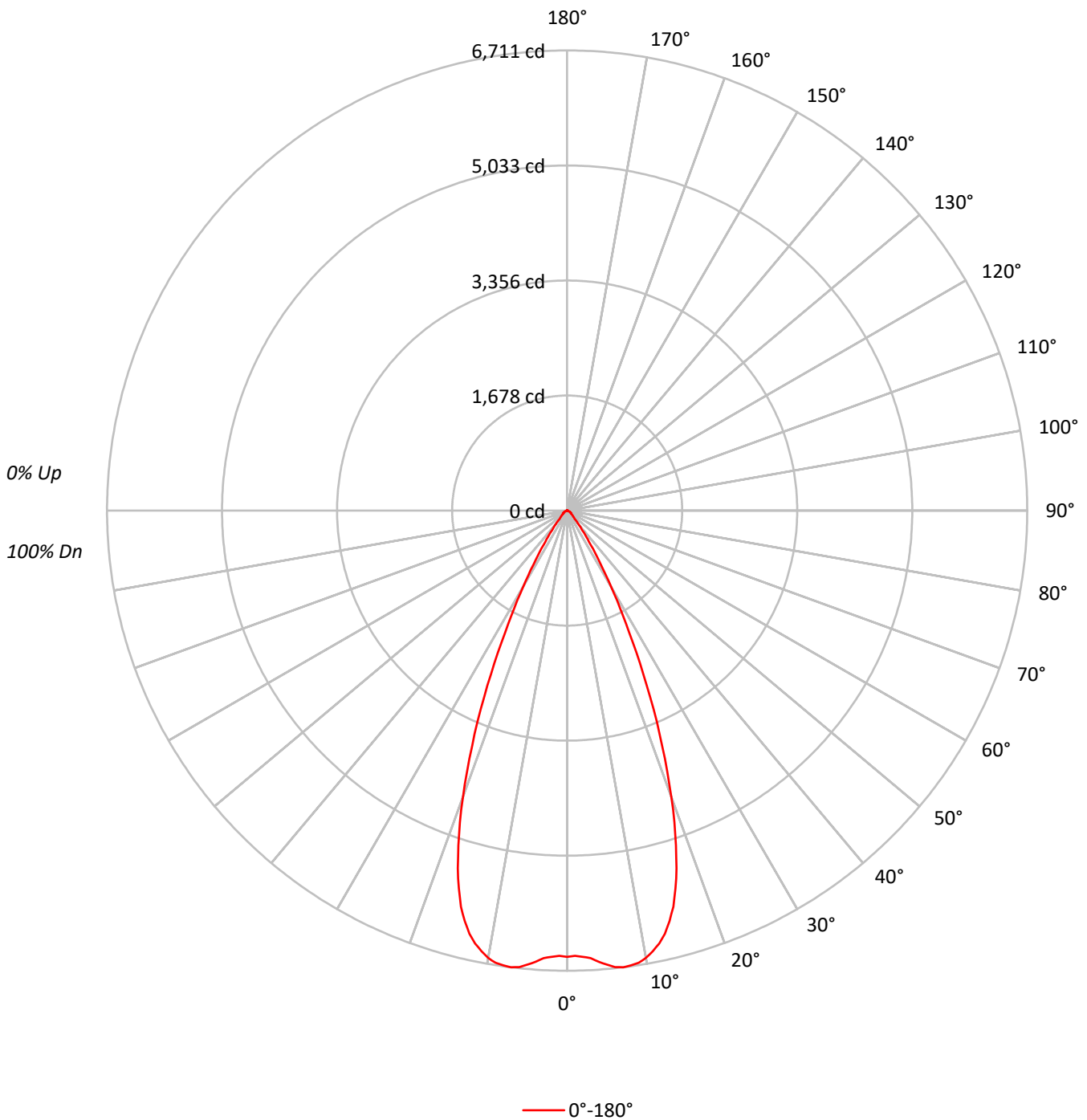
Lumens per Lamp: N/A
Luminaire Lumens: 4075.4 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.69
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 47.8
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	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°	913190
5°	936401
10°	944093
15°	868981
20°	663844
25°	407559
30°	207100
35°	95084
40°	46533
45°	25206
50°	19868
55°	16393
60°	18244
65°	11623
70°	7386
75°	7049
80°	8082
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	635.1	15.6
10°-20°	1615.1	39.6
20°-30°	1208.6	29.7
30°-40°	385.7	9.5
40°-50°	110.7	2.7
50°-60°	62.6	1.5
60°-70°	40.3	1.0
70°-80°	13.2	0.3
80°-90°	4.1	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°	3458.8	84.9
0°-40°	3844.5	94.3
0°-60°	4017.8	98.6
0°-90°	4075.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4075.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6507	
5°	6647	635
15°	5981	1615
25°	2632	1209
35°	555	386
45°	127	111
55°	67	63
65°	35	40
75°	13	13
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6507
1°	6493
2°	6512
3°	6535
4°	6596
5°	6647
6°	6694
7°	6711
8°	6698
9°	6678
10°	6625
11°	6547
12°	6453
13°	6334
14°	6170
15°	5981
16°	5735
17°	5456
18°	5133
19°	4806
20°	4445
21°	4072
22°	3699
23°	3351
24°	2970
25°	2632
26°	2300
27°	1997
28°	1728
29°	1501
30°	1278
32.5°	845
35°	555
37.5°	368
40°	254
42.5°	166
45°	127
47.5°	114
50°	91
52.5°	75
55°	67
57.5°	60
60°	65
62.5°	51
65°	35



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	36
70°	18
72.5°	18
75°	13
77.5°	5
80°	10
82.5°	8
85°	0
87.5°	2
90°	0

(END OF REPORT)