

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: P257077

Luminaire Tested: **L806XHOWS8040MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257077  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L806XHOWS8040MB  
Description: HALO LED EXTRA HIGH OUTPUT TRACK FIXTURE 06 WITH WIDE SPOT OPTIC,  
MATTE BLACK  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-6)  
Light Source: (15) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4089.4 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.31  
Luminous Opening: Circular (Dia: 0.31' x H: 0')  
CIE Type: Direct

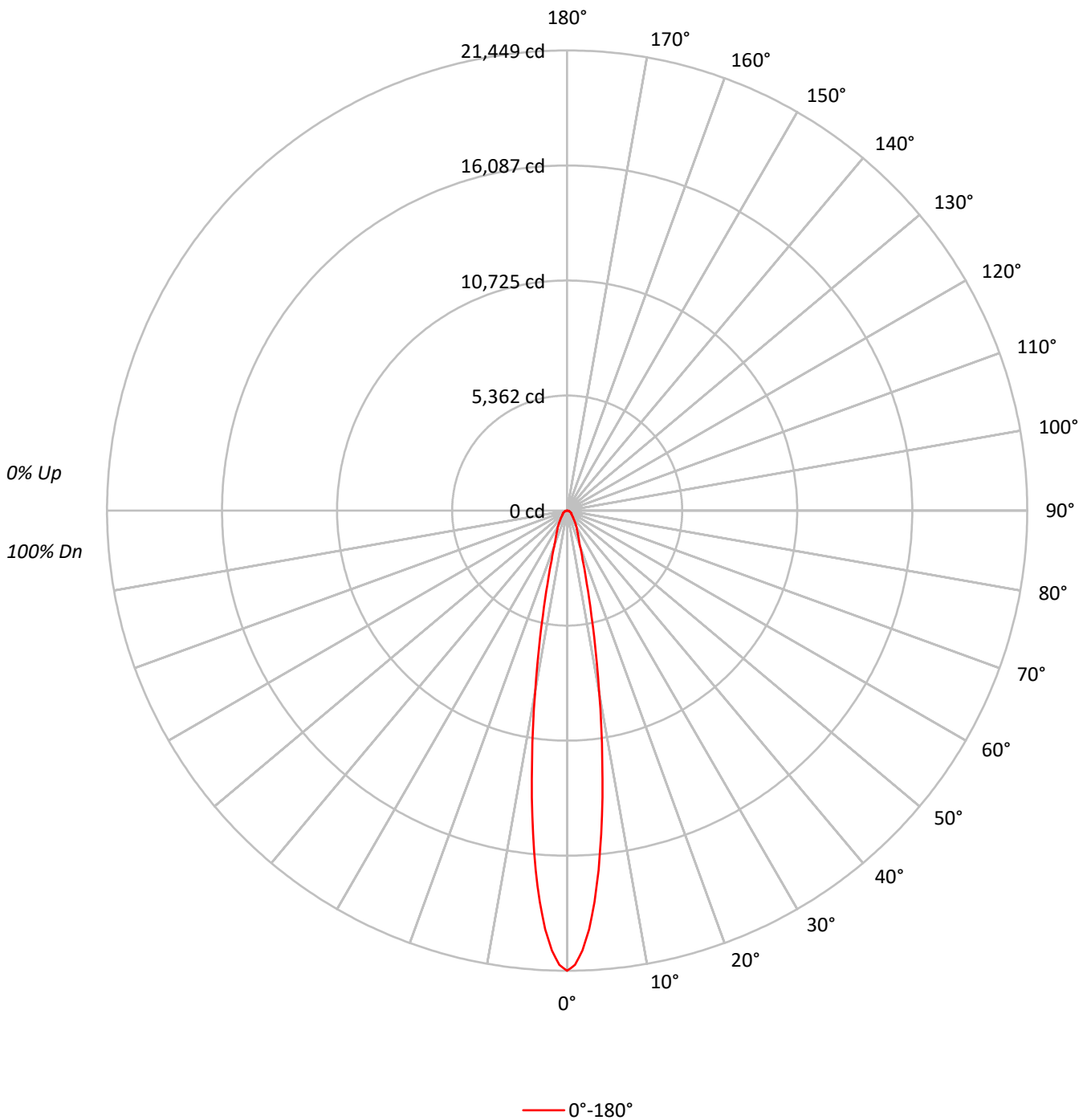
Input Watts (W): 47.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	105	111	108	106	104	104	102	100		100	99	97		97	96	94	93
2	107	102	98	95	105	101	97	94	97	94	92		95	92	90		92	90	88	86
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87	85	82	81
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83	80	78	76
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	72
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	73	71	69
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74	71	68	66
8	84	75	70	66	83	75	70	66	74	69	66		73	68	65		72	68	65	64
9	81	72	67	64	80	72	67	64	71	67	63		70	66	63		69	66	63	62
10	78	70	65	62	78	70	65	61	69	64	61		68	64	61		67	64	61	60

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	3010131
5°	2369036
10°	1225967
15°	514429
20°	261207
25°	180196
30°	137694
35°	103548
40°	80004
45°	64781
50°	60455
55°	57547
60°	60009
65°	49346
70°	50798
75°	49451
80°	40894
85°	38001



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1327.3	32.5
10°-20°	1069.1	26.1
20°-30°	546.8	13.4
30°-40°	384.2	9.4
40°-50°	262.1	6.4
50°-60°	216.0	5.3
60°-70°	158.6	3.9
70°-80°	101.4	2.5
80°-90°	24.0	0.6
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°	2943.2	72.0
0°-40°	3327.4	81.4
0°-60°	3805.4	93.1
0°-90°	4089.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4089.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	21449	
5°	16816	###
15°	3541	1069
25°	1164	547
35°	604	384
45°	326	262
55°	235	216
65°	149	159
75°	91	101
85°	24	24
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	21448.9
1°	21175.4
2°	20514.8
3°	19545.8
4°	18281.9
5°	16816.5
6°	15173.4
7°	13478.4
8°	11764.4
9°	10132.5
10°	8603.0
11°	7236.7
12°	6051.6
13°	5045.4
14°	4220.5
15°	3540.7
17.5°	2377.0
20°	1749.0
22.5°	1378.7
25°	1163.7
27.5°	983.6
30°	849.7
32.5°	721.4
35°	604.4
37.5°	509.8
40°	436.7
42.5°	386.0
45°	326.4
47.5°	293.7
50°	276.9
52.5°	264.5
55°	235.2
57.5°	220.6
60°	213.8
62.5°	183.4
65°	148.6
67.5°	140.7
70°	123.8
72.5°	123.8
75°	91.2
77.5°	82.2
80°	50.6
82.5°	34.9
85°	23.6
87.5°	4.5



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)