

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: P257065

Luminaire Tested: **L806HOWS8040MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257065  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L806HOWS8040MB  
Description: HALO LED HIGH OUTPUT TRACK FIXTURE 06 WITH WIDE SPOT OPTIC, MATTE BLACK  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-2)  
Light Source: (15) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

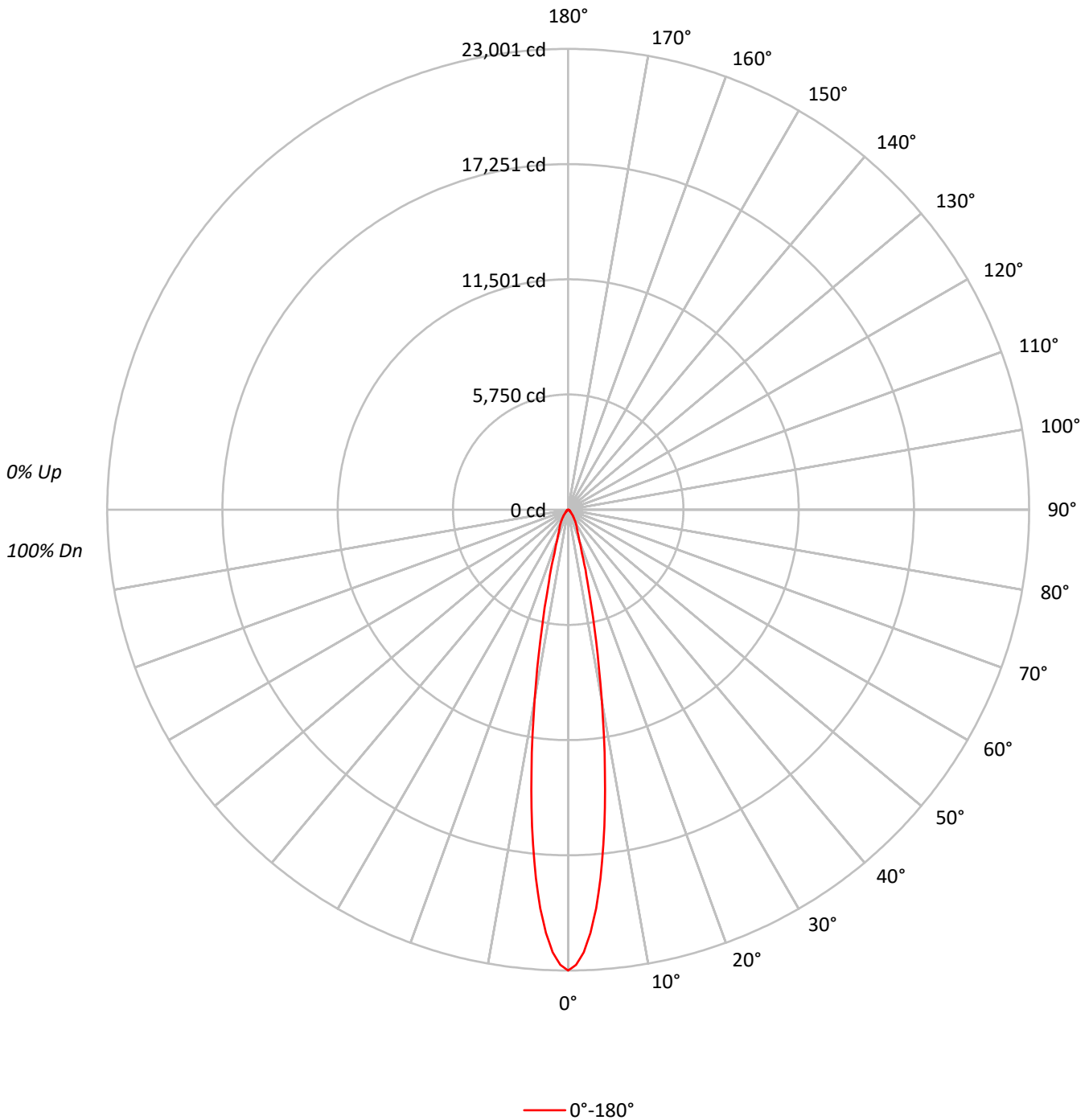
Lumens per Lamp: N/A  
Luminaire Lumens: 3662.9 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.31  
Luminous Opening: Circular (Dia: 0.31' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.6  
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	115	112	110	108	112	110	108	106	106	105	103		102	101	100		99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92		95	92	90		93	91	89	87
4	102	96	92	89	101	95	91	88	93	90	87		91	89	86		90	87	85	84
5	99	93	88	85	98	92	87	84	90	86	84		88	85	83		87	84	82	81
6	96	89	84	81	95	88	84	81	87	83	80		86	82	80		84	82	79	78
7	93	86	81	78	92	85	81	78	84	80	78		83	80	77		82	79	77	76
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80	77	75	74
9	88	81	76	73	87	80	76	73	79	76	73		79	75	73		78	75	72	71
10	85	78	74	71	85	78	74	71	77	74	71		77	73	71		76	73	71	70

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

	0°
0°	3228008
5°	2599903
10°	1373844
15°	536470
20°	235967
25°	159369
30°	119010
35°	79819
40°	54227
45°	33482
50°	23558
55°	23293
60°	14483
65°	12951
70°	13664
75°	12417
80°	5576
85°	1771



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1465.5	40.0
10°-20°	1123.6	30.7
20°-30°	486.7	13.3
30°-40°	301.3	8.2
40°-50°	143.1	3.9
50°-60°	77.0	2.1
60°-70°	38.2	1.0
70°-80°	23.2	0.6
80°-90°	4.4	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°	3075.8	84.0
0°-40°	3377.0	92.2
0°-60°	3597.2	98.2
0°-90°	3662.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3662.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	23001	
5°	18455	###
15°	3692	1124
25°	1029	487
35°	466	301
45°	169	143
55°	95	77
65°	39	38
75°	23	23
85°	1	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	23001.4
1°	22727.2
2°	22097.2
3°	21156.3
4°	19950.4
5°	18455.3
6°	16811.0
7°	15000.4
8°	13174.8
9°	11342.4
10°	9640.7
11°	8075.6
12°	6690.7
13°	5507.7
14°	4504.8
15°	3692.4
17.5°	2286.8
20°	1580.0
22.5°	1235.8
25°	1029.2
27.5°	876.6
30°	734.4
32.5°	589.8
35°	465.9
37.5°	380.9
40°	296.0
42.5°	236.4
45°	168.7
47.5°	142.3
50°	107.9
52.5°	104.4
55°	95.2
57.5°	66.6
60°	51.6
62.5°	51.6
65°	39.0
67.5°	21.8
70°	33.3
72.5°	24.1
75°	22.9
77.5°	20.7
80°	6.9
82.5°	6.9
85°	1.1
87.5°	4.6



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)