

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: P201183

Luminaire Tested: **L806XHOWS8027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P201183  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23110)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L806XHOWS8027  
Description: HALO LED EXTRA HIGH OUTPUT TRACK FIXTURE WITH WIDE SPOT OPTIC  
  
Light Source: EATON LED 2700K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

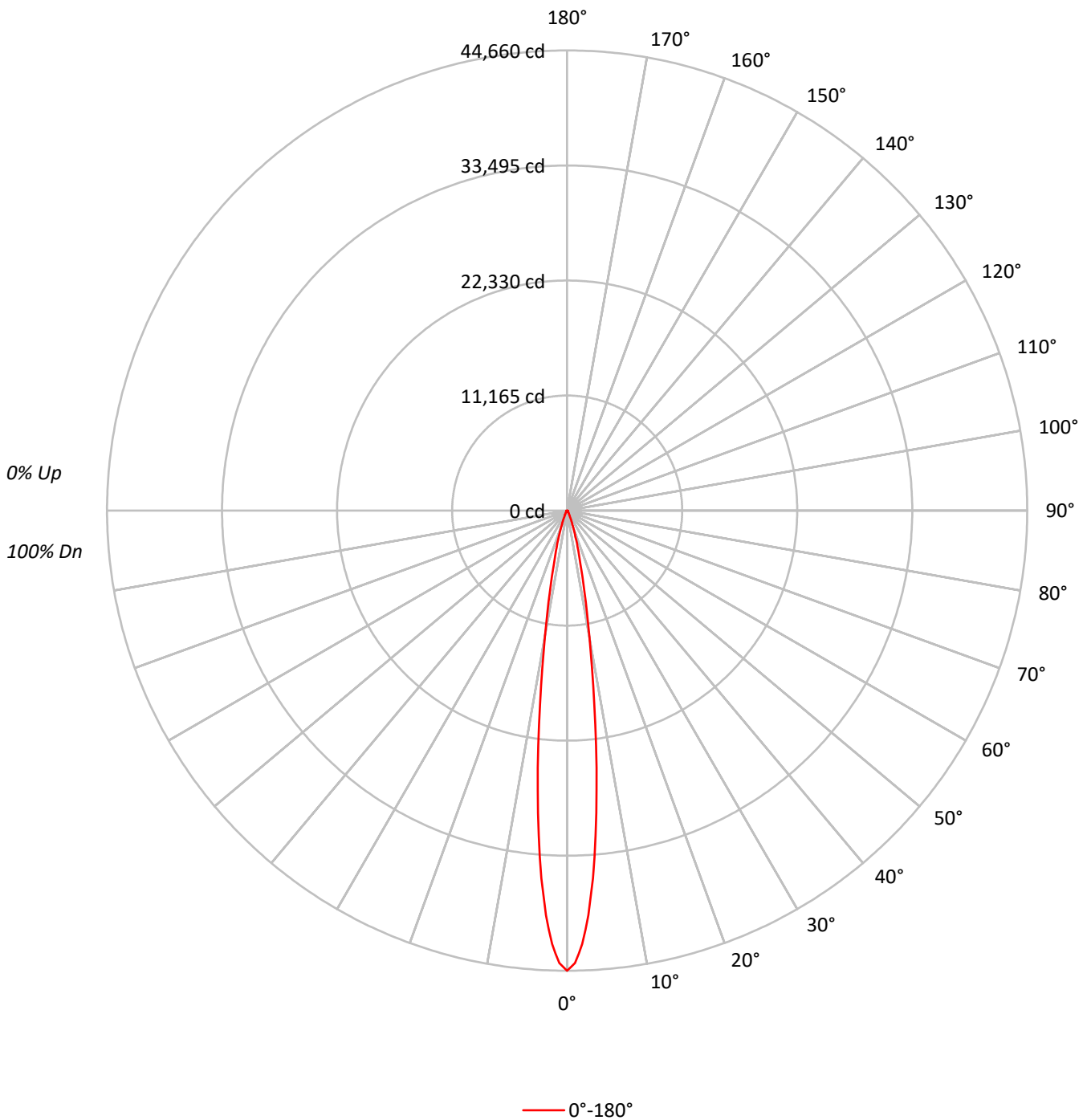
Lumens per Lamp: N/A  
Luminaire Lumens: 4458.7 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.26  
Luminous Opening: Circular (Dia: 0.27' x H: 0')  
CIE Type: Direct

Input Watts (W): 47.5  
Input Voltage (V): NR  
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	113	111	109	112	110	109	107	107	105	104		103	102	101		99	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98		100	98	96		97	96	94	93
3	108	103	99	96	106	102	98	96	99	96	94		97	95	93		95	93	91	90
4	105	99	95	92	103	98	95	92	96	93	91		94	92	90		93	91	89	88
5	102	96	92	89	100	95	92	89	94	90	88		92	89	87		91	88	87	86
6	99	93	89	87	98	93	89	86	91	88	86		90	87	85		89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87	85	83	82
8	95	89	85	82	94	88	85	82	87	84	82		87	84	82		86	83	81	80
9	93	87	83	81	92	86	83	80	86	83	80		85	82	80		84	82	80	79
10	91	85	81	79	90	85	81	79	84	81	79		84	81	79		83	80	78	78

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

	0°
0°	8344435
5°	5944203
10°	2349390
15°	846275
20°	320879
25°	131509
30°	69557
35°	46257
40°	35098
45°	30229
50°	30230
55°	30490
60°	28512
65°	26836
70°	24638
75°	40066
80°	42932
85°	44591



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2353.7	52.8
10°-20°	1338.6	30.0
20°-30°	333.0	7.5
30°-40°	129.2	2.9
40°-50°	87.9	2.0
50°-60°	85.3	1.9
60°-70°	68.2	1.5
70°-80°	46.5	1.0
80°-90°	16.3	0.4
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°	4025.3	90.3
0°-40°	4154.6	93.2
0°-60°	4327.8	97.1
0°-90°	4458.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4458.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	44660	
5°	31693	###
15°	4375	1339
25°	638	333
35°	203	129
45°	114	88
55°	94	85
65°	61	68
75°	56	46
85°	21	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	44660.1
1°	43926.9
2°	42094.7
3°	39317.9
4°	35771.4
5°	31692.8
6°	27279.7
7°	22965.3
8°	18961.3
9°	15388.8
10°	12383.1
11°	9970.3
12°	8112.1
13°	6572.9
14°	5333.6
15°	4375.0
17.5°	2653.8
20°	1613.8
22.5°	981.1
25°	637.9
27.5°	433.3
30°	322.4
32.5°	240.9
35°	202.8
37.5°	159.5
40°	143.9
42.5°	124.8
45°	114.4
47.5°	93.6
50°	104.0
52.5°	104.0
55°	93.6
57.5°	93.6
60°	76.3
62.5°	88.4
65°	60.7
67.5°	65.9
70°	45.1
72.5°	48.5
75°	55.5
77.5°	29.5
80°	39.9
82.5°	12.1
85°	20.8
87.5°	6.9



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)