

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: P201186

Luminaire Tested: **L806XHOWS8040**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P201186
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: L806XHOWS8040
Description: HALO LED EXTRA HIGH OUTPUT TRACK FIXTURE WITH WIDE SPOT OPTIC

Light Source: EATON LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

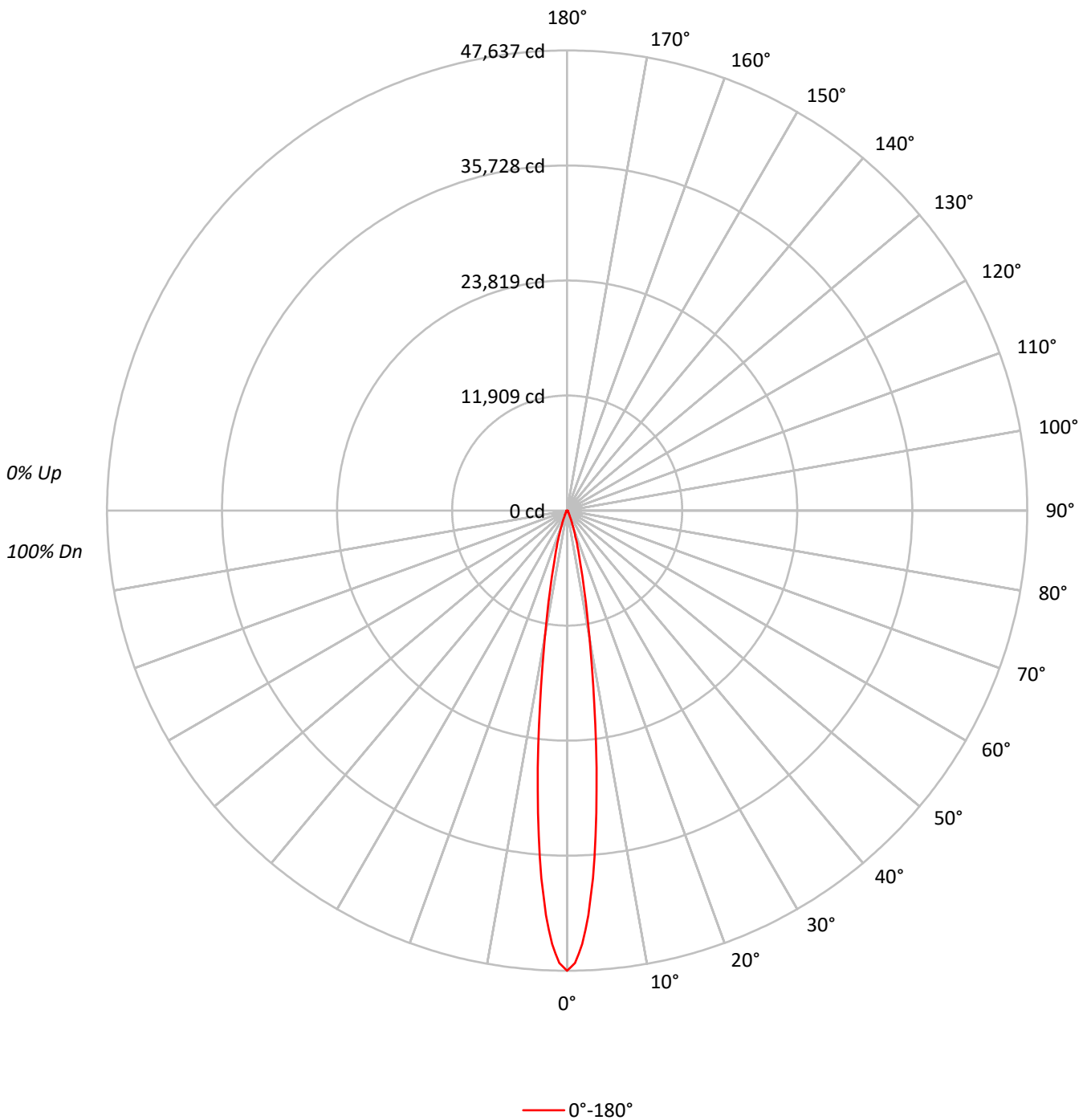
Lumens per Lamp: N/A
Luminaire Lumens: 4755.9 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.26
Luminous Opening: Circular (Dia: 0.27' x H: 0')
CIE Type: Direct

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°	8900723
5°	6340473
10°	2506028
15°	902700
20°	342254
25°	140270
30°	74196
35°	49337
40°	37440
45°	32237
50°	32236
55°	32510
60°	30418
65°	28604
70°	26277
75°	42737
80°	45729
85°	47592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2510.6	52.8
10°-20°	1427.8	30.0
20°-30°	355.2	7.5
30°-40°	137.9	2.9
40°-50°	93.8	2.0
50°-60°	91.0	1.9
60°-70°	72.7	1.5
70°-80°	49.6	1.0
80°-90°	17.4	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°	4293.7	90.3
0°-40°	4431.5	93.2
0°-60°	4616.3	97.1
0°-90°	4755.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4755.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	47637	
5°	33806	###
15°	4667	1428
25°	680	355
35°	216	138
45°	122	94
55°	100	91
65°	65	73
75°	59	50
85°	22	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	47637.4
1°	46855.3
2°	44901.0
3°	41939.0
4°	38156.2
5°	33805.6
6°	29098.3
7°	24496.3
8°	20225.3
9°	16414.7
10°	13208.7
11°	10635.0
12°	8652.9
13°	7011.1
14°	5689.1
15°	4666.7
17.5°	2830.7
20°	1721.3
22.5°	1046.5
25°	680.4
27.5°	462.2
30°	343.9
32.5°	257.0
35°	216.3
37.5°	170.1
40°	153.5
42.5°	133.1
45°	122.0
47.5°	99.8
50°	110.9
52.5°	110.9
55°	99.8
57.5°	99.8
60°	81.4
62.5°	94.3
65°	64.7
67.5°	70.3
70°	48.1
72.5°	51.8
75°	59.2
77.5°	31.4
80°	42.5
82.5°	12.9
85°	22.2
87.5°	7.4



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)