

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: P257075

Luminaire Tested: **L806XHOWS8027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257075
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806XHOWS8027MB
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) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

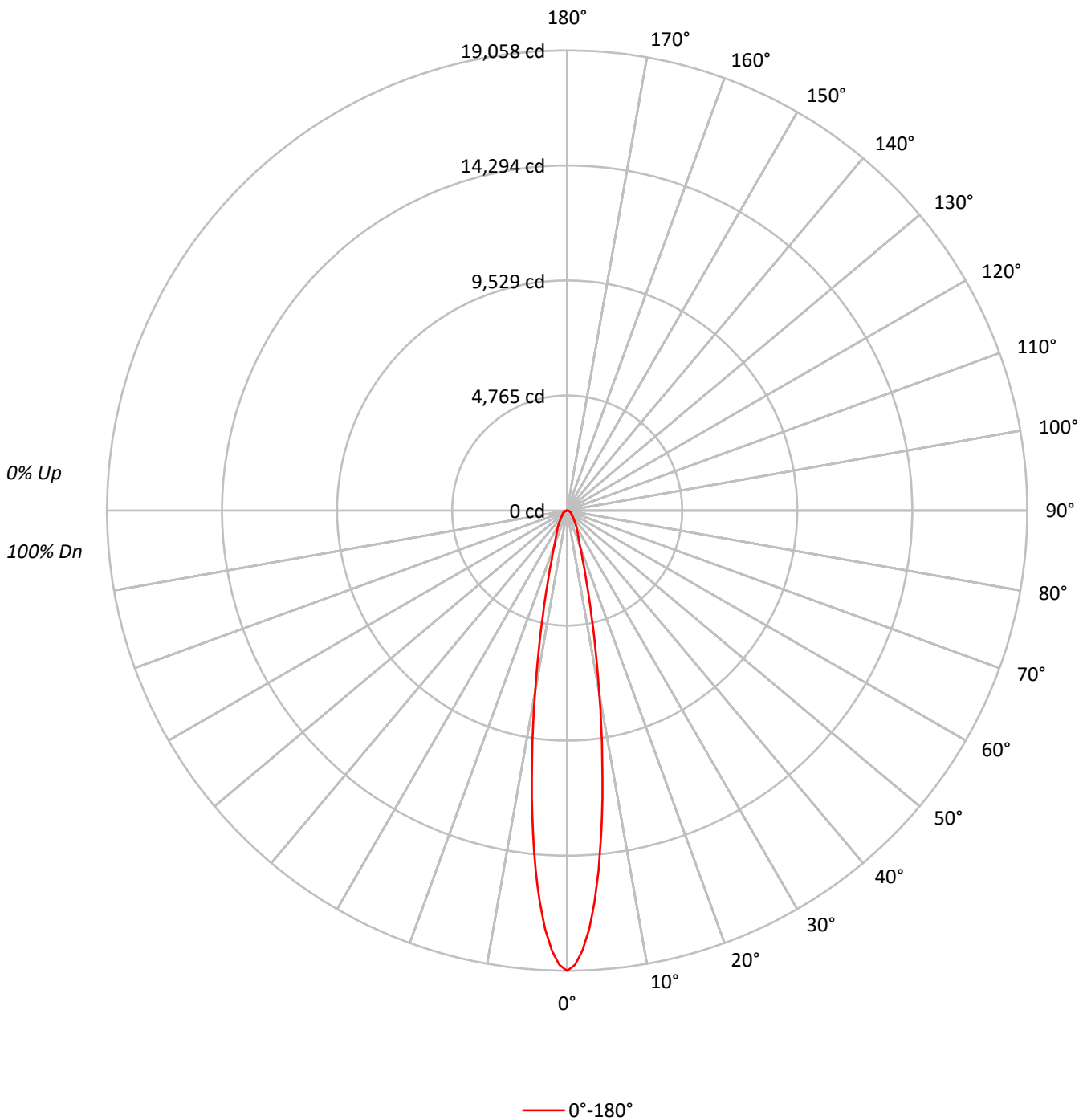
Lumens per Lamp: N/A
Luminaire Lumens: 3633.6 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.31
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 47.9
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°	2674593
5°	2104965
10°	1089305
15°	457083
20°	232084
25°	160112
30°	122348
35°	92000
40°	71082
45°	57556
50°	53709
55°	51137
60°	53329
65°	43833
70°	45136
75°	43921
80°	36368
85°	33815



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1179.3	32.5
10°-20°	950.0	26.1
20°-30°	485.8	13.4
30°-40°	341.4	9.4
40°-50°	232.9	6.4
50°-60°	191.9	5.3
60°-70°	140.9	3.9
70°-80°	90.1	2.5
80°-90°	21.3	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°	2615.1	72.0
0°-40°	2956.5	81.4
0°-60°	3381.2	93.1
0°-90°	3633.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3633.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19058	
5°	14942	###
15°	3146	950
25°	1034	486
35°	537	341
45°	290	233
55°	209	192
65°	132	141
75°	81	90
85°	21	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	19058
1°	18815
2°	18228
3°	17367
4°	16244
5°	14942
6°	13482
7°	11976
8°	10453
9°	9003
10°	7644
11°	6430
12°	5377
13°	4483
14°	3750
15°	3146
17.5°	2112
20°	1554
22.5°	1225
25°	1034
27.5°	874
30°	755
32.5°	641
35°	537
37.5°	453
40°	388
42.5°	343
45°	290
47.5°	261
50°	246
52.5°	235
55°	209
57.5°	196
60°	190
62.5°	163
65°	132
67.5°	125
70°	110
72.5°	110
75°	81
77.5°	73
80°	45
82.5°	31
85°	21
87.5°	4



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CANDELA DISTRIBUTION (continued):

90° | ———— 0°
 0

(END OF REPORT)