

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: P257048

Luminaire Tested: **L806SMWS8027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257048
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806SMWS8027MB
Description: HALO LED SMALL OUTPUT TRACK FIXTURE 06 WITH WIDE SPOT OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-10)
Light Source: (5) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

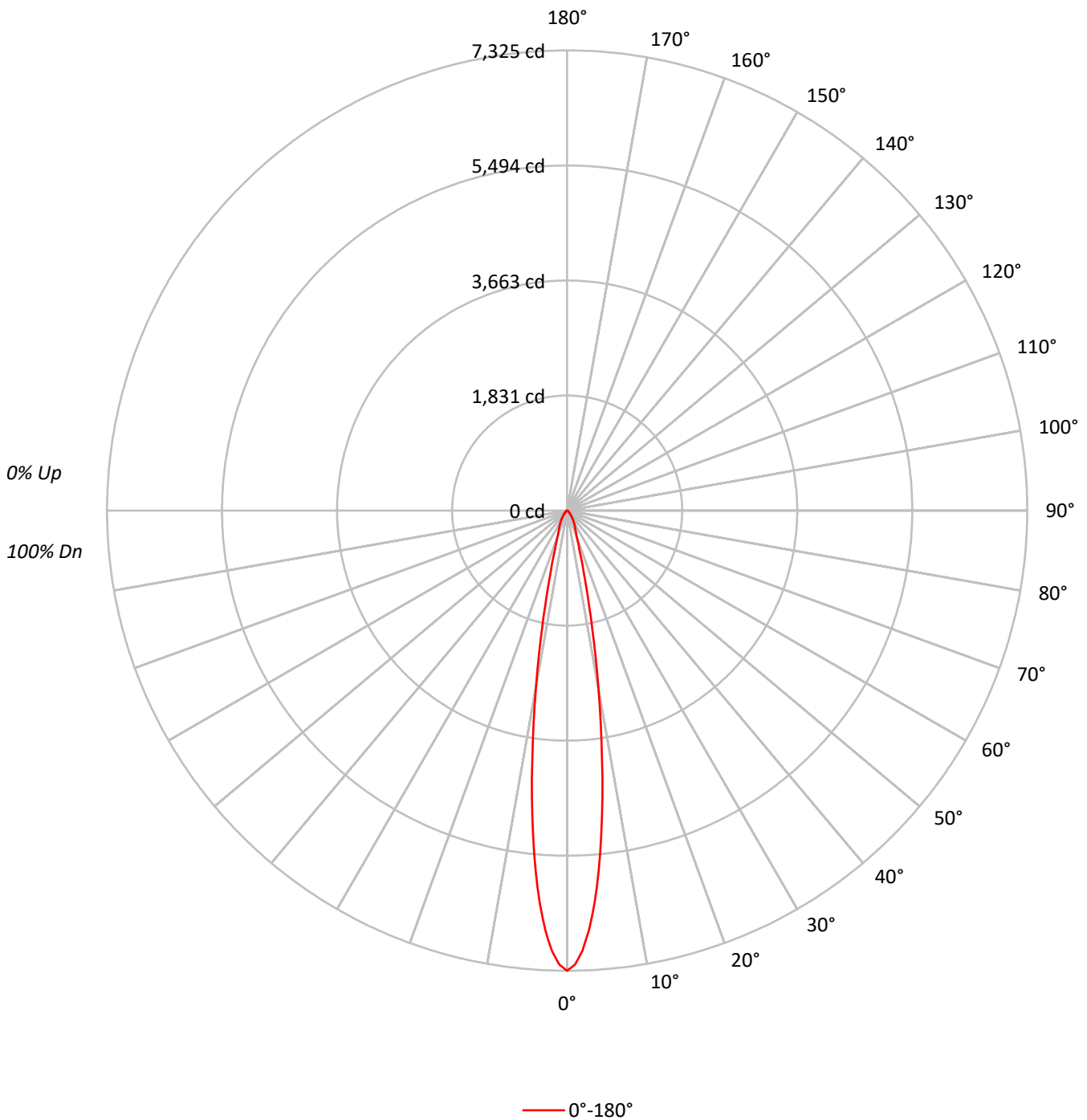
Lumens per Lamp: N/A
Luminaire Lumens: 1072.4 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.3
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 11.8
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	107	106	105	104	103	101	100	99	98	98	96
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	107	102	98	95	105	100	97	94	98	95	92	95	93	91	93	91	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75
9	89	82	77	75	88	81	77	74	80	77	74	80	76	74	79	76	74	73
10	86	79	75	72	86	79	75	72	78	75	72	78	74	72	77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3614005
5°	2853217
10°	1432833
15°	521000
20°	234169
25°	161682
30°	120208
35°	82516
40°	54745
45°	34887
50°	24562
55°	18064
60°	13815
65°	11674
70°	8655
75°	7625
80°	5683
85°	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.0	42.2
10°-20°	318.8	29.7
20°-30°	139.3	13.0
30°-40°	87.2	8.1
40°-50°	40.8	3.8
50°-60°	19.4	1.8
60°-70°	9.9	0.9
70°-80°	4.2	0.4
80°-90°	0.8	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°	910.2	84.9
0°-40°	997.3	93.0
0°-60°	1057.5	98.6
0°-90°	1072.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1072.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7325	
5°	5761	452
15°	1020	319
25°	297	139
35°	137	87
45°	50	41
55°	21	19
65°	10	10
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7325
1°	7226
2°	7012
3°	6679
4°	6266
5°	5761
6°	5201
7°	4606
8°	3995
9°	3412
10°	2860
11°	2363
12°	1921
13°	1562
14°	1256
15°	1020
17.5°	635
20°	446
22.5°	355
25°	297
27.5°	250
30°	211
32.5°	171
35°	137
37.5°	109
40°	85
42.5°	65
45°	50
47.5°	40
50°	32
52.5°	26
55°	21
57.5°	17
60°	14
62.5°	12
65°	10
67.5°	8
70°	6
72.5°	5
75°	4
77.5°	3
80°	2
82.5°	1
85°	1
87.5°	0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)