

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: P257049

Luminaire Tested: **L806SMWS8030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257049
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806SMWS8030MB
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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

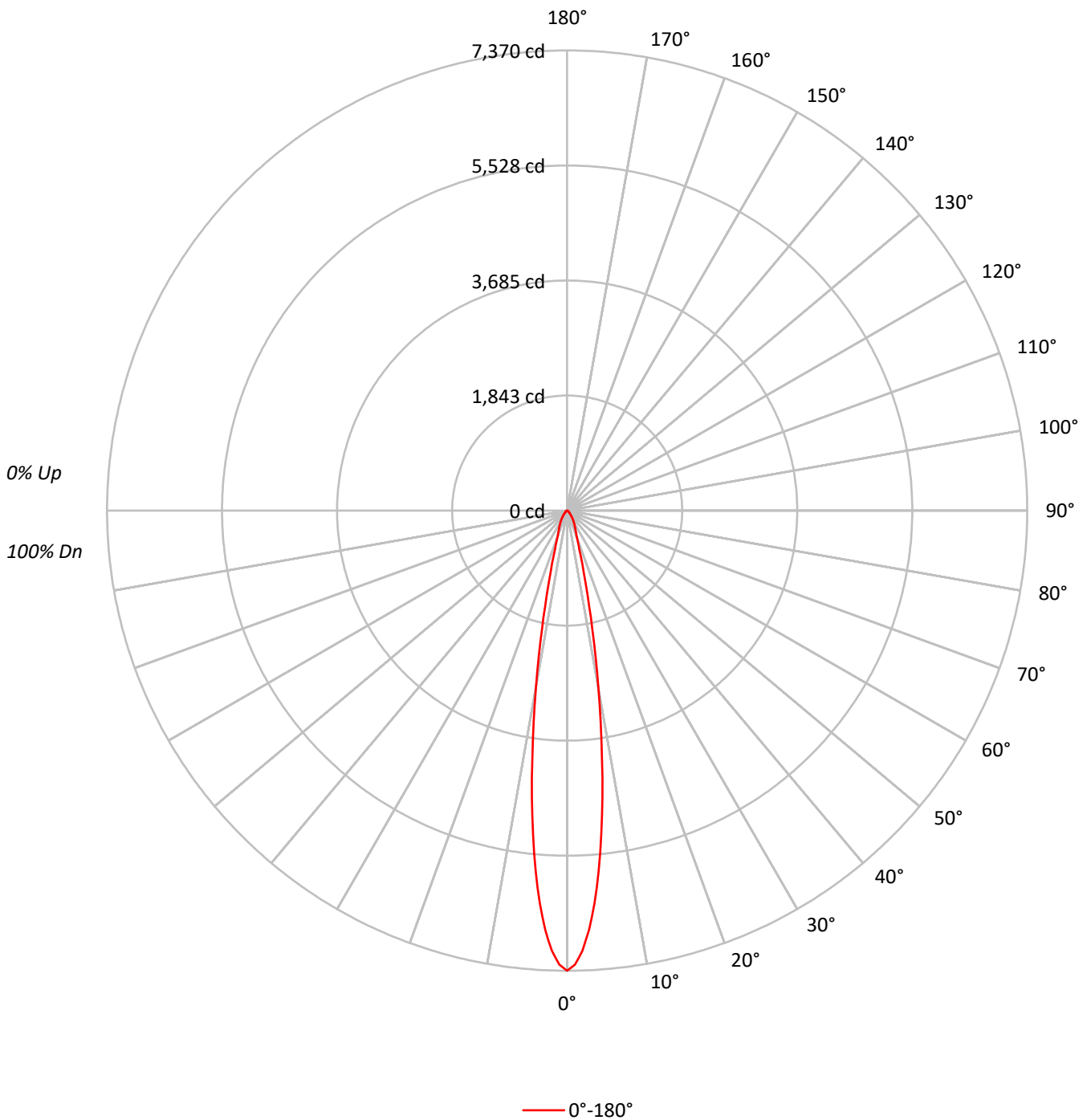
Lumens per Lamp: N/A
Luminaire Lumens: 1079.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.3
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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°	3636257
5°	2870799
10°	1441651
15°	524218
20°	235587
25°	162662
30°	120949
35°	82998
40°	55067
45°	35097
50°	24716
55°	18150
60°	13913
65°	11791
70°	8655
75°	7625
80°	5683
85°	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.8	42.2
10°-20°	320.7	29.7
20°-30°	140.2	13.0
30°-40°	87.7	8.1
40°-50°	41.0	3.8
50°-60°	19.5	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°	915.7	84.9
0°-40°	1003.5	93.0
0°-60°	1064.0	98.6
0°-90°	1079.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1079.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7370	
5°	5796	455
15°	1026	321
25°	299	140
35°	138	88
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°	7370.1
1°	7270.5
2°	7055.2
3°	6720.1
4°	6304.6
5°	5796.5
6°	5233.0
7°	4634.4
8°	4019.6
9°	3433.0
10°	2877.6
11°	2377.5
12°	1932.8
13°	1571.6
14°	1263.7
15°	1026.3
17.5°	638.9
20°	448.7
22.5°	357.2
25°	298.8
27.5°	251.5
30°	212.3
32.5°	172.1
35°	137.8
37.5°	109.7
40°	85.5
42.5°	65.4
45°	50.3
47.5°	40.2
50°	32.2
52.5°	26.2
55°	21.1
57.5°	17.1
60°	14.1
62.5°	12.1
65°	10.1
67.5°	8.0
70°	6.0
72.5°	5.0
75°	4.0
77.5°	3.0
80°	2.0
82.5°	1.0
85°	1.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)