

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: P257085

Luminaire Tested: **L806SMSP8030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257085
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806SMSP8030MB
Description: HALO LED SMALL OUTPUT TRACK FIXTURE 06 WITH SPOT OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-9)
Light Source: (5) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

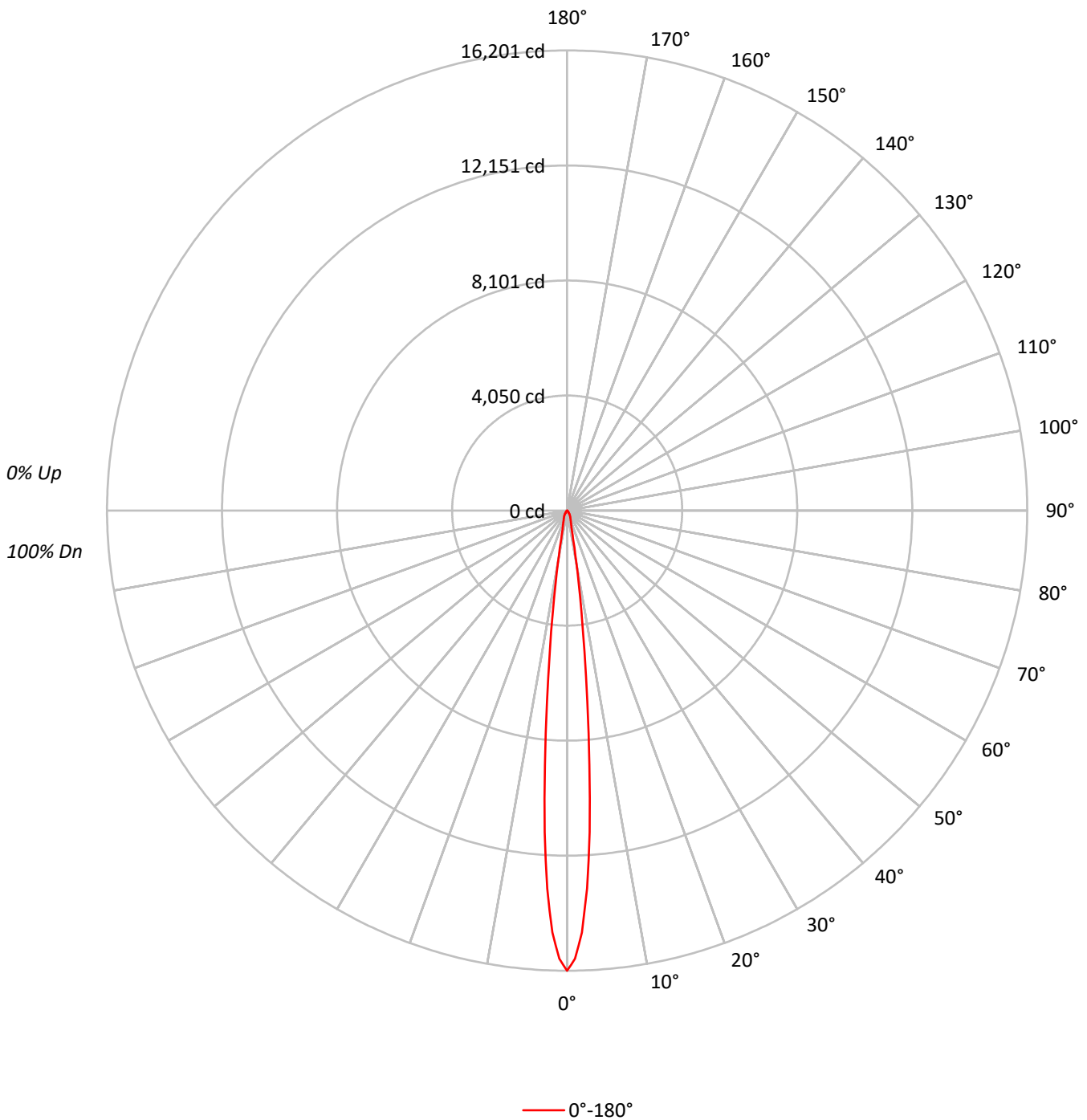
Lumens per Lamp: N/A
Luminaire Lumens: 1048.8 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	113	111	109	113	111	109	107	107	105	104		103	102	101		100	99	98	96
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97	96	95	93
3	108	103	99	97	106	102	99	96	99	97	94		97	95	93		95	93	92	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	91	89	94	90	88		92	89	87		91	88	87	85
6	99	93	89	86	98	93	89	86	91	88	86		90	87	85		89	86	84	83
7	97	91	87	84	96	90	86	84	89	86	83		88	85	83		87	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86	83	81	80
9	93	87	83	80	92	86	83	80	85	82	80		85	82	80		84	81	79	79
10	91	85	81	79	90	84	81	79	84	81	78		83	80	78		83	80	78	77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7993291
5°	4453713
10°	919969
15°	293803
20°	188491
25°	145623
30°	107731
35°	67820
40°	36261
45°	18979
50°	15428
55°	16429
60°	17860
65°	16461
70°	13127
75°	11438
80°	8524
85°	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.8	57.6
10°-20°	188.4	18.0
20°-30°	122.4	11.7
30°-40°	71.2	6.8
40°-50°	24.0	2.3
50°-60°	17.3	1.7
60°-70°	13.8	1.3
70°-80°	6.3	0.6
80°-90°	1.5	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°	914.6	87.2
0°-40°	985.8	94.0
0°-60°	1027.1	97.9
0°-90°	1048.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1048.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16201	
5°	8993	604
15°	575	188
25°	268	122
35°	113	71
45°	27	24
55°	19	17
65°	14	14
75°	6	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16201.1
1°	15777.7
2°	14864.6
3°	13328.0
4°	11350.8
5°	8992.6
6°	6766.1
7°	5007.2
8°	3585.2
9°	2559.4
10°	1836.3
11°	1330.5
12°	993.6
13°	781.4
14°	653.7
15°	575.2
17.5°	450.5
20°	359.0
22.5°	307.7
25°	267.5
27.5°	228.3
30°	189.1
32.5°	146.8
35°	112.6
37.5°	81.5
40°	56.3
42.5°	38.2
45°	27.2
47.5°	22.1
50°	20.1
52.5°	20.1
55°	19.1
57.5°	19.1
60°	18.1
62.5°	17.1
65°	14.1
67.5°	11.1
70°	9.1
72.5°	7.0
75°	6.0
77.5°	5.0
80°	3.0
82.5°	2.0
85°	1.0
87.5°	1.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)