

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: P257060

Luminaire Tested: **L806NF8040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257060
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806NF8040MB
Description: HALO LED TRACK FIXTURE 06 WITH NARROW FLOOD OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-14)
Light Source: (9) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

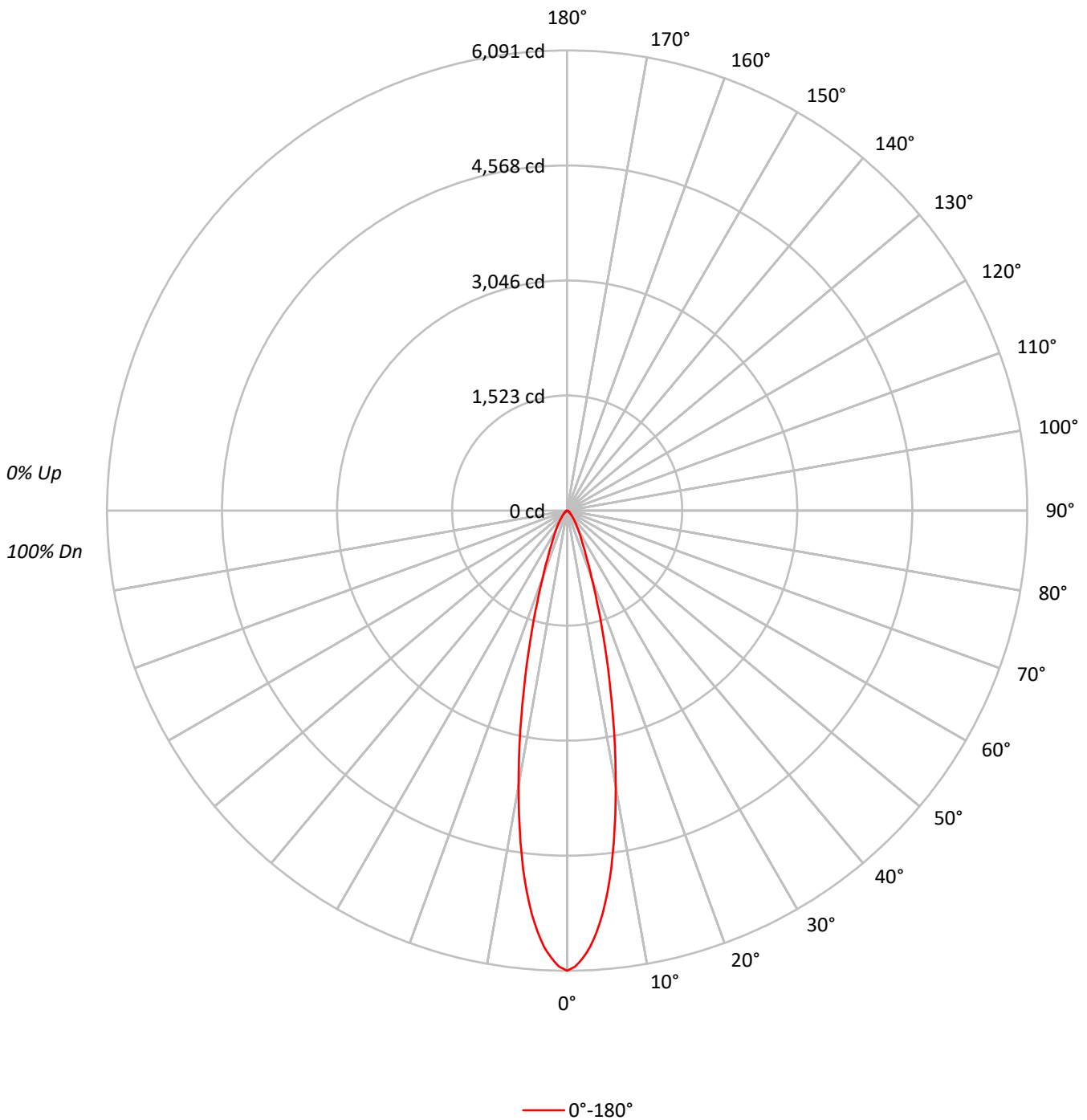
Lumens per Lamp: N/A
Luminaire Lumens: 1475.9 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.23' x H: 0')
CIE Type: Direct

Input Watts (W): 17.7
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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92	90	88	87
4	102	96	91	88	100	95	90	87	92	89	86		91	88	85		89	86	84	83
5	98	91	87	83	97	91	86	83	89	85	82		87	84	81		86	83	81	80
6	95	88	83	79	93	87	82	79	86	82	79		84	81	78		83	80	78	76
7	92	84	79	76	90	84	79	76	82	78	76		81	78	75		80	77	75	74
8	89	81	76	73	88	81	76	73	80	76	73		79	75	73		78	75	72	71
9	86	78	74	71	85	78	74	71	77	73	70		76	73	70		76	72	70	69
10	83	76	71	68	83	75	71	68	75	71	68		74	70	68		73	70	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1589594
5°	1404594
10°	981830
15°	543657
20°	261685
25°	140399
30°	88863
35°	57662
40°	37711
45°	25133
50°	18147
55°	13558
60°	10543
65°	8521
70°	6485
75°	5344
80°	4809
85°	3294



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.7	31.0
10°-20°	559.0	37.9
20°-30°	238.7	16.2
30°-40°	116.6	7.9
40°-50°	54.9	3.7
50°-60°	27.4	1.9
60°-70°	14.0	1.0
70°-80°	6.0	0.4
80°-90°	1.6	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°	1255.4	85.1
0°-40°	1371.9	93.0
0°-60°	1454.3	98.5
0°-90°	1475.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1475.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6091	
5°	5362	458
15°	2012	559
25°	488	239
35°	181	117
45°	68	55
55°	30	27
65°	14	14
75°	5	6
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6091.3
1°	6035.9
2°	5929.4
3°	5785.7
4°	5595.1
5°	5361.9
6°	5086.2
7°	4778.5
8°	4436.7
9°	4073.6
10°	3705.2
11°	3336.8
12°	2978.0
13°	2635.2
14°	2313.6
15°	2012.3
16°	1742.9
17°	1501.3
18°	1283.0
19°	1098.8
20°	942.3
22.5°	659.1
25°	487.6
26°	437.6
27°	395.0
28°	357.7
29°	324.7
30°	294.9
32.5°	231.0
35°	181.0
37.5°	141.6
40°	110.7
42.5°	87.3
45°	68.1
47.5°	54.3
50°	44.7
52.5°	36.2
55°	29.8
57.5°	24.5
60°	20.2
62.5°	17.0
65°	13.8
67.5°	11.7
70°	8.5
72.5°	7.5



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CANDELA DISTRIBUTION (continued):

	0°
75°	5.3
77.5°	4.3
80°	3.2
82.5°	2.1
85°	1.1
87.5°	1.1
90°	0.0

(END OF REPORT)