

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: P257059

Luminaire Tested: **L806NF8030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257059
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806NF8030MB
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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

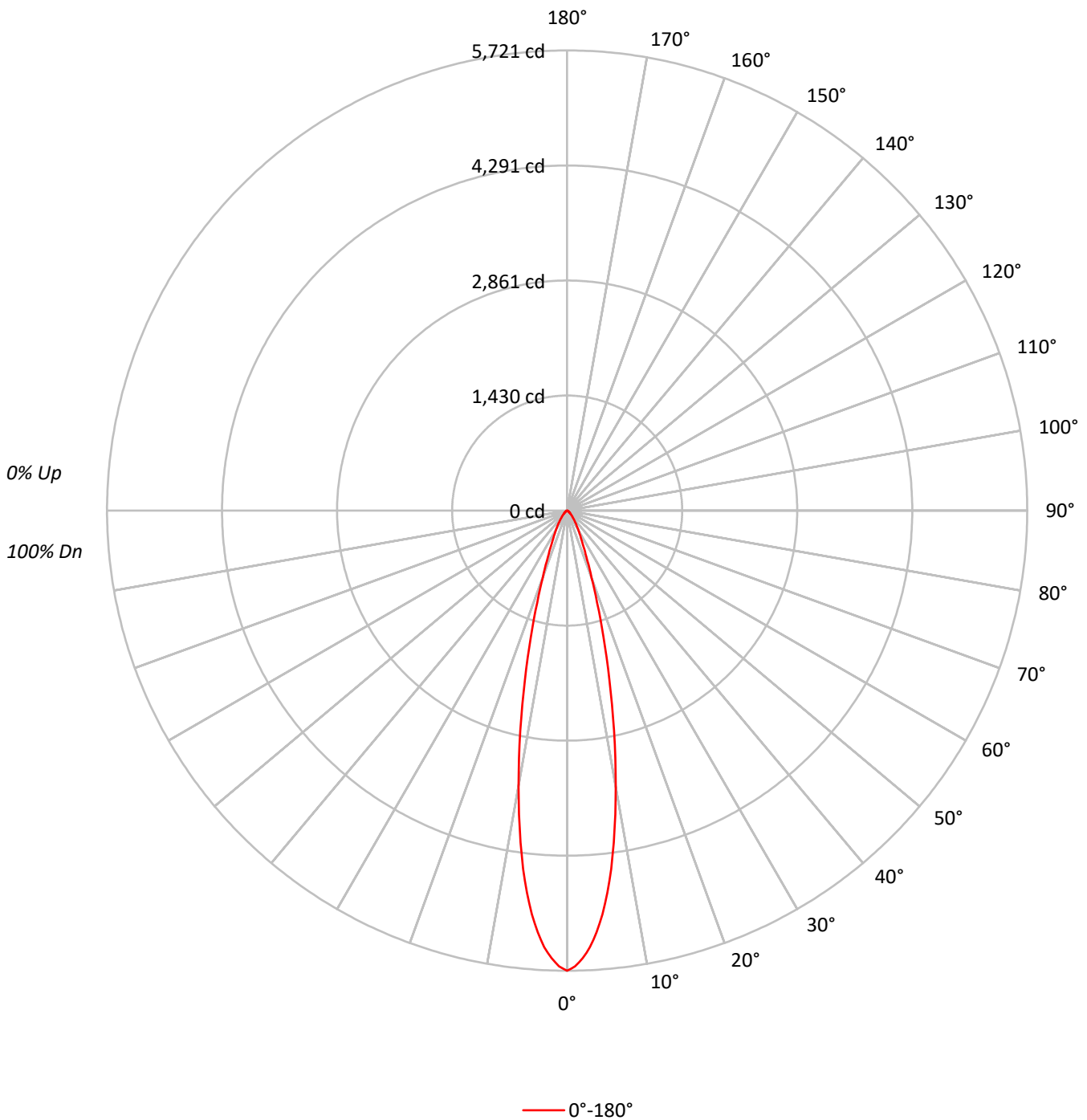
Lumens per Lamp: N/A
Luminaire Lumens: 1386.3 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.23' x H: 0')
CIE Type: Direct

Input Watts (W): 17.2
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°	1492960
5°	1319221
10°	922155
15°	510616
20°	245773
25°	131876
30°	83469
35°	54158
40°	35429
45°	23620
50°	17051
55°	12739
60°	9917
65°	8027
70°	6104
75°	5041
80°	4508
85°	2994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.9	31.0
10°-20°	525.0	37.9
20°-30°	224.2	16.2
30°-40°	109.5	7.9
40°-50°	51.6	3.7
50°-60°	25.7	1.9
60°-70°	13.2	1.0
70°-80°	5.7	0.4
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°	1179.1	85.1
0°-40°	1288.6	93.0
0°-60°	1365.9	98.5
0°-90°	1386.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1386.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5721	
5°	5036	430
15°	1890	525
25°	458	224
35°	170	109
45°	64	52
55°	28	26
65°	13	13
75°	5	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5721
1°	5669
2°	5569
3°	5434
4°	5255
5°	5036
6°	4777
7°	4488
8°	4167
9°	3826
10°	3480
11°	3134
12°	2797
13°	2475
14°	2173
15°	1890
16°	1637
17°	1410
18°	1205
19°	1032
20°	885
22.5°	619
25°	458
26°	411
27°	371
28°	336
29°	305
30°	277
32.5°	217
35°	170
37.5°	133
40°	104
42.5°	82
45°	64
47.5°	51
50°	42
52.5°	34
55°	28
57.5°	23
60°	19
62.5°	16
65°	13
67.5°	11
70°	8
72.5°	7



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CANDELA DISTRIBUTION (continued):

	0°
75°	5
77.5°	4
80°	3
82.5°	2
85°	1
87.5°	1
90°	0

(END OF REPORT)