

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: P257061

Luminaire Tested: **L806FL8030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257061
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806FL8030MB
Description: HALO LED TRACK FIXTURE 06 WITH FLOOD OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-15)
Light Source: (9) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

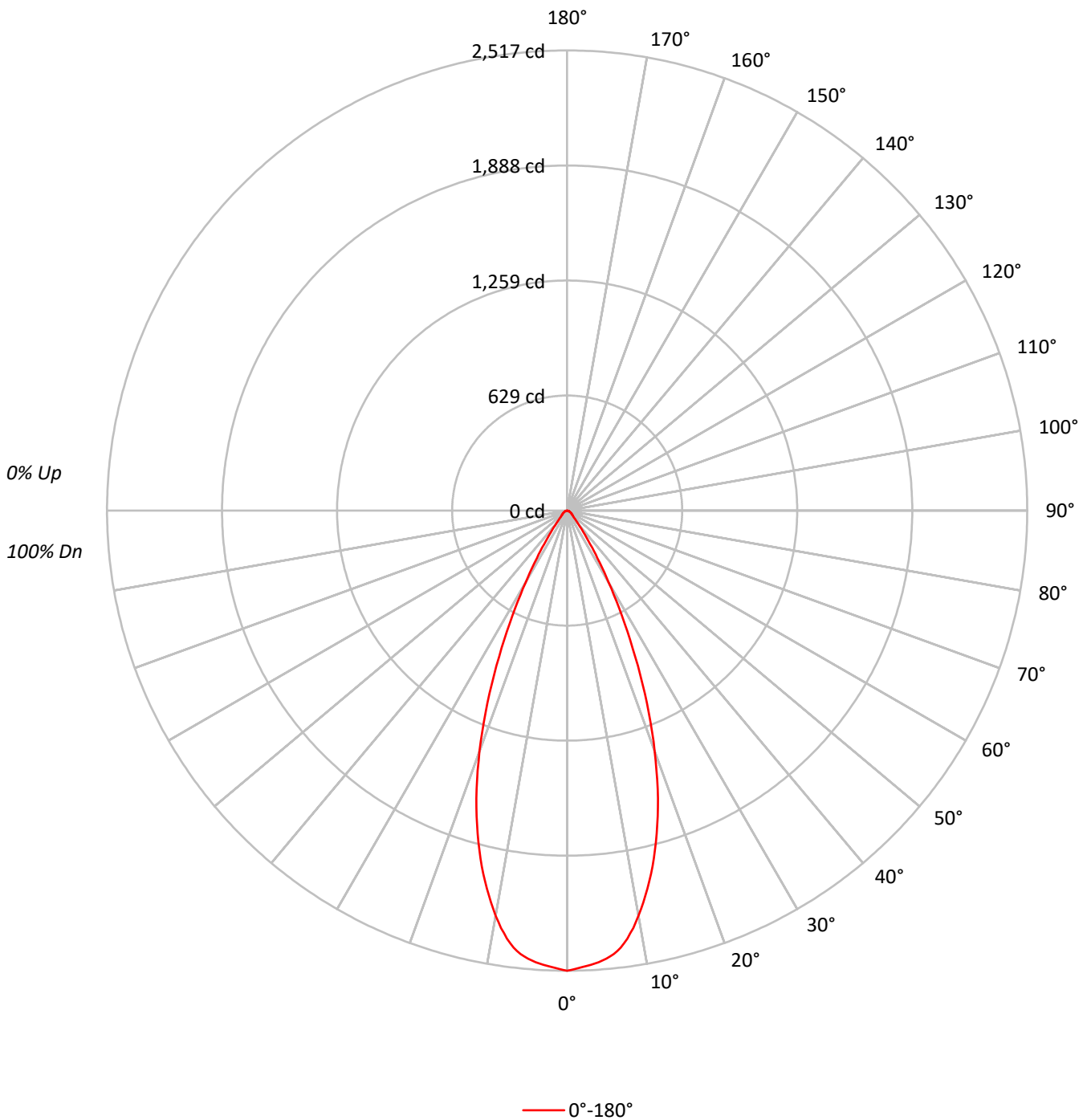
Lumens per Lamp: N/A
Luminaire Lumens: 1377.7 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.67
Luminous Opening: Circular (Dia: 0.23' x H: 0')
CIE Type: Direct

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	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	88		92	89	86		89	87	85	83
4	99	92	87	83	98	91	87	83	89	85	82		87	84	81		85	83	80	79
5	95	87	82	78	93	87	82	78	85	80	77		83	79	77		82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73		79	75	72		78	75	72	71
7	87	79	73	70	86	78	73	69	77	72	69		76	72	69		75	71	68	67
8	84	75	70	66	83	75	70	66	74	69	66		73	68	65		72	68	65	64
9	80	72	67	63	79	71	66	63	70	66	63		70	65	62		69	65	62	61
10	77	69	63	60	76	68	63	60	68	63	60		67	63	60		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	656840
5°	644679
10°	596221
15°	507104
20°	389071
25°	253674
30°	137106
35°	64352
40°	30659
45°	18822
50°	15021
55°	13194
60°	11482
65°	9880
70°	8393
75°	7058
80°	6011
85°	5988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.6	16.6
10°-20°	514.0	37.3
20°-30°	401.7	29.2
30°-40°	139.2	10.1
40°-50°	42.6	3.1
50°-60°	26.0	1.9
60°-70°	15.9	1.2
70°-80°	7.5	0.5
80°-90°	2.2	0.2
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°	1144.3	83.1
0°-40°	1283.5	93.2
0°-60°	1352.1	98.1
0°-90°	1377.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1377.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2517	
5°	2461	229
15°	1877	514
25°	881	402
35°	202	139
45°	51	43
55°	29	26
65°	16	16
75°	7	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2517
1°	2508
2°	2498
3°	2488
4°	2477
5°	2461
6°	2439
7°	2409
8°	2364
9°	2312
10°	2250
11°	2184
12°	2114
13°	2040
14°	1960
15°	1877
16°	1789
17°	1698
18°	1602
19°	1502
20°	1401
21°	1296
22°	1192
23°	1087
24°	984
25°	881
26°	784
27°	693
28°	605
29°	527
30°	455
32.5°	308
35°	202
37.5°	132
40°	90
42.5°	65
45°	51
47.5°	43
50°	37
52.5°	33
55°	29
57.5°	25
60°	22
62.5°	19
65°	16



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	13
70°	11
72.5°	9
75°	7
77.5°	5
80°	4
82.5°	3
85°	2
87.5°	1
90°	0

(END OF REPORT)