

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: P257057

Luminaire Tested: **L806SP8030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257057
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806SP8030MB
Description: HALO LED TRACK FIXTURE 06 WITH SPOT OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-13)
Light Source: (9) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

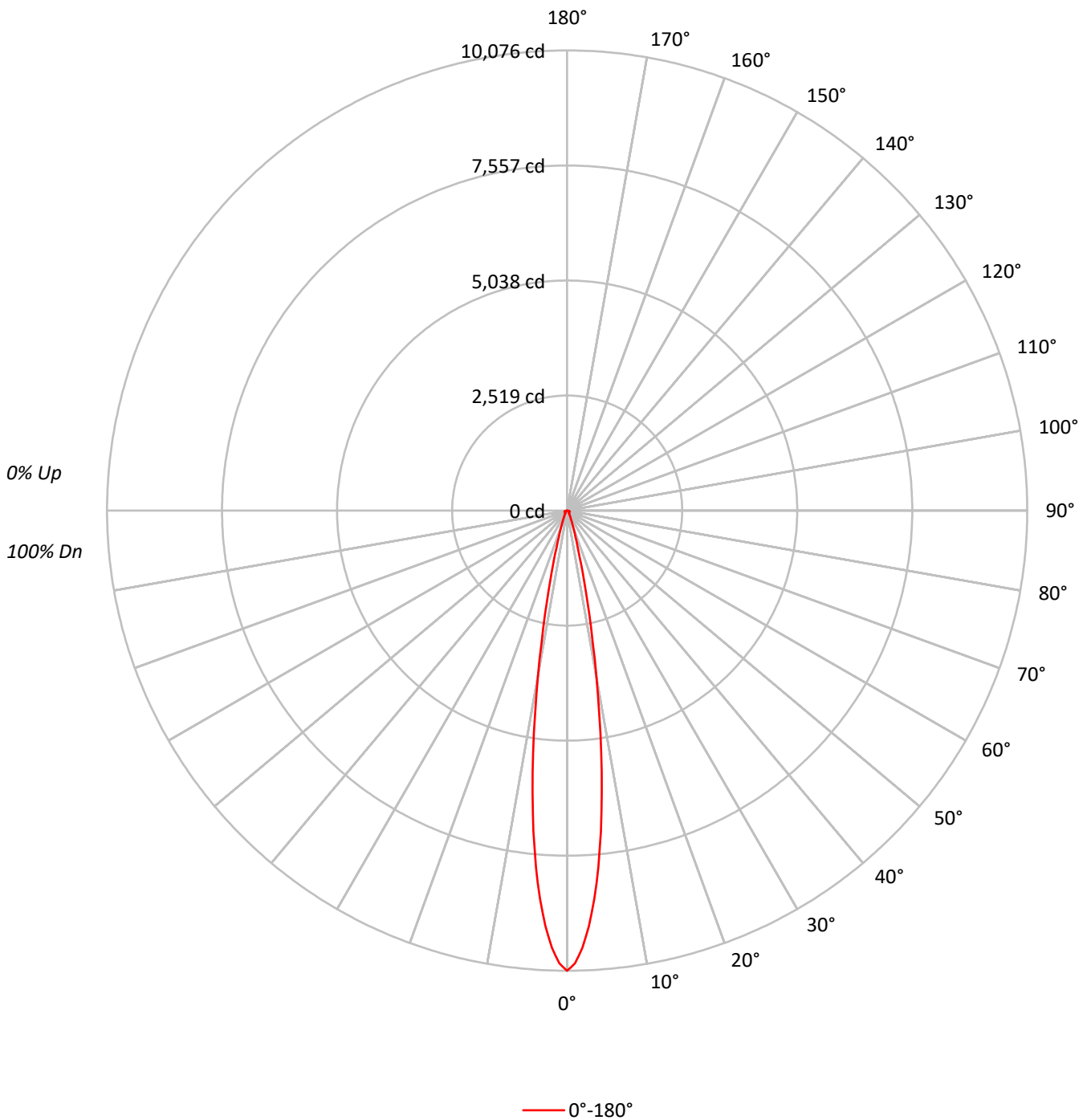
Lumens per Lamp: N/A
Luminaire Lumens: 1288.5 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Circular (Dia: 0.23' x H: 0')
CIE Type: Direct

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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	84
4	101	94	90	86	99	93	89	86	91	88	85	89	86	84	88	85	83	81
5	98	91	86	83	96	90	86	82	88	84	81	87	83	81	85	82	80	79
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77
7	92	85	81	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75
8	90	83	78	75	89	82	78	75	81	78	75	81	77	75	80	77	74	73
9	88	81	76	74	87	80	76	73	80	76	73	79	75	73	78	75	73	72
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2629447
5°	2052442
10°	971443
15°	293401
20°	105252
25°	52693
30°	32243
35°	23256
40°	19758
45°	18084
50°	16645
55°	17744
60°	25574
65°	38284
70°	44254
75°	42348
80°	37570
85°	29942



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.5	47.2
10°-20°	353.2	27.4
20°-30°	90.0	7.0
30°-40°	47.6	3.7
40°-50°	37.9	2.9
50°-60°	37.1	2.9
60°-70°	58.3	4.5
70°-80°	44.2	3.4
80°-90°	11.8	0.9
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°	1051.7	81.6
0°-40°	1099.3	85.3
0°-60°	1174.2	91.1
0°-90°	1288.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1288.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10076	
5°	7835	609
15°	1086	353
25°	183	90
35°	73	48
45°	49	38
55°	39	37
65°	62	58
75°	42	44
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10076
1°	9915
2°	9576
3°	9114
4°	8529
5°	7835
6°	7061
7°	6219
8°	5345
9°	4481
10°	3666
11°	2945
12°	2329
13°	1806
14°	1399
15°	1086
16°	852
17°	679
18°	552
19°	453
20°	379
21°	321
22°	275
23°	238
24°	207
25°	183
26°	163
27°	145
28°	130
29°	118
30°	107
32.5°	86
35°	73
37.5°	65
40°	58
42.5°	53
45°	49
47.5°	45
50°	41
52.5°	38
55°	39
57.5°	43
60°	49
62.5°	56
65°	62



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	63
70°	58
72.5°	50
75°	42
77.5°	34
80°	25
82.5°	17
85°	10
87.5°	4
90°	0

(END OF REPORT)