

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: P257051

Luminaire Tested: **L806SMNF8027MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257051  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L806SMNF8027MB  
Description: HALO LED SMALL OUTPUT TRACK FIXTURE 06 WITH NARROW FLOOD OPTIC,  
MATTE BLACK  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-11)  
Light Source: (5) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRICAL DRIVER

**Summary**

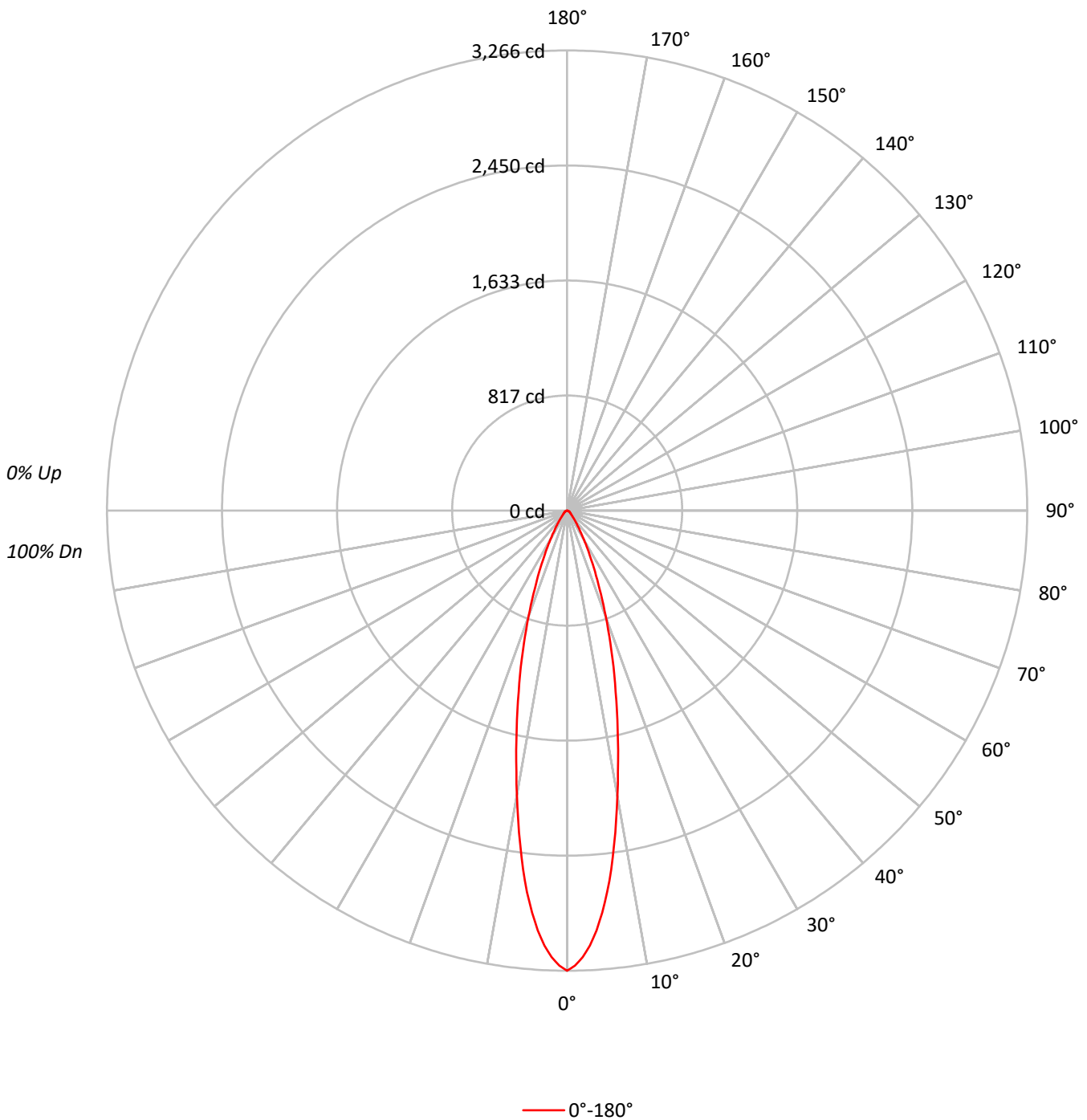
Lumens per Lamp: N/A  
Luminaire Lumens: 992.1 lumens  
Efficiency: N/A  
Efficacy: 84.1 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.47  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.8  
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	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	94	91	103	97	93	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	87	82	79	85	81	79	83	80	78	77
6	93	85	80	76	91	84	79	76	83	79	75	82	78	75	80	77	75	73
7	89	81	76	73	88	81	76	72	80	75	72	78	75	72	77	74	71	70
8	86	78	73	69	85	77	73	69	76	72	69	76	72	69	75	71	69	67
9	83	75	70	67	82	75	70	67	74	69	66	73	69	66	72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	62

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1611378
5°	1418437
10°	1029536
15°	679854
20°	420035
25°	242251
30°	136160
35°	75890
40°	46372
45°	32096
50°	25330
55°	21505
60°	18748
65°	16344
70°	14425
75°	13344
80°	11365
85°	11322



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.7	24.9
10°-20°	367.7	37.1
20°-30°	210.7	21.2
30°-40°	84.0	8.5
40°-50°	36.9	3.7
50°-60°	22.8	2.3
60°-70°	14.2	1.4
70°-80°	7.1	0.7
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°	825.0	83.2
0°-40°	909.0	91.6
0°-60°	968.6	97.6
0°-90°	992.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	992.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3266	
5°	2864	247
15°	1331	368
25°	445	211
35°	126	84
45°	46	37
55°	25	23
65°	14	14
75°	7	7
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3266
1°	3230
2°	3172
3°	3092
4°	2987
5°	2864
6°	2722
7°	2567
8°	2396
9°	2224
10°	2055
11°	1890
12°	1738
13°	1595
14°	1457
15°	1331
16°	1213
17°	1101
18°	994
19°	894
20°	800
22.5°	599
25°	445
26°	394
27°	349
28°	308
29°	271
30°	239
32.5°	172
35°	126
37.5°	94
40°	72
42.5°	56
45°	46
47.5°	38
50°	33
52.5°	29
55°	25
57.5°	22
60°	19
62.5°	17
65°	14
67.5°	12
70°	10
72.5°	8



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	7
77.5°	5
80°	4
82.5°	3
85°	2
87.5°	1
90°	0

(END OF REPORT)