

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: P257054

Luminaire Tested: **L806SMFL8027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257054
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806SMFL8027MB
Description: HALO LED SMALL OUTPUT TRACK FIXTURE 06 WITH FLOOD OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-12)
Light Source: (5) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

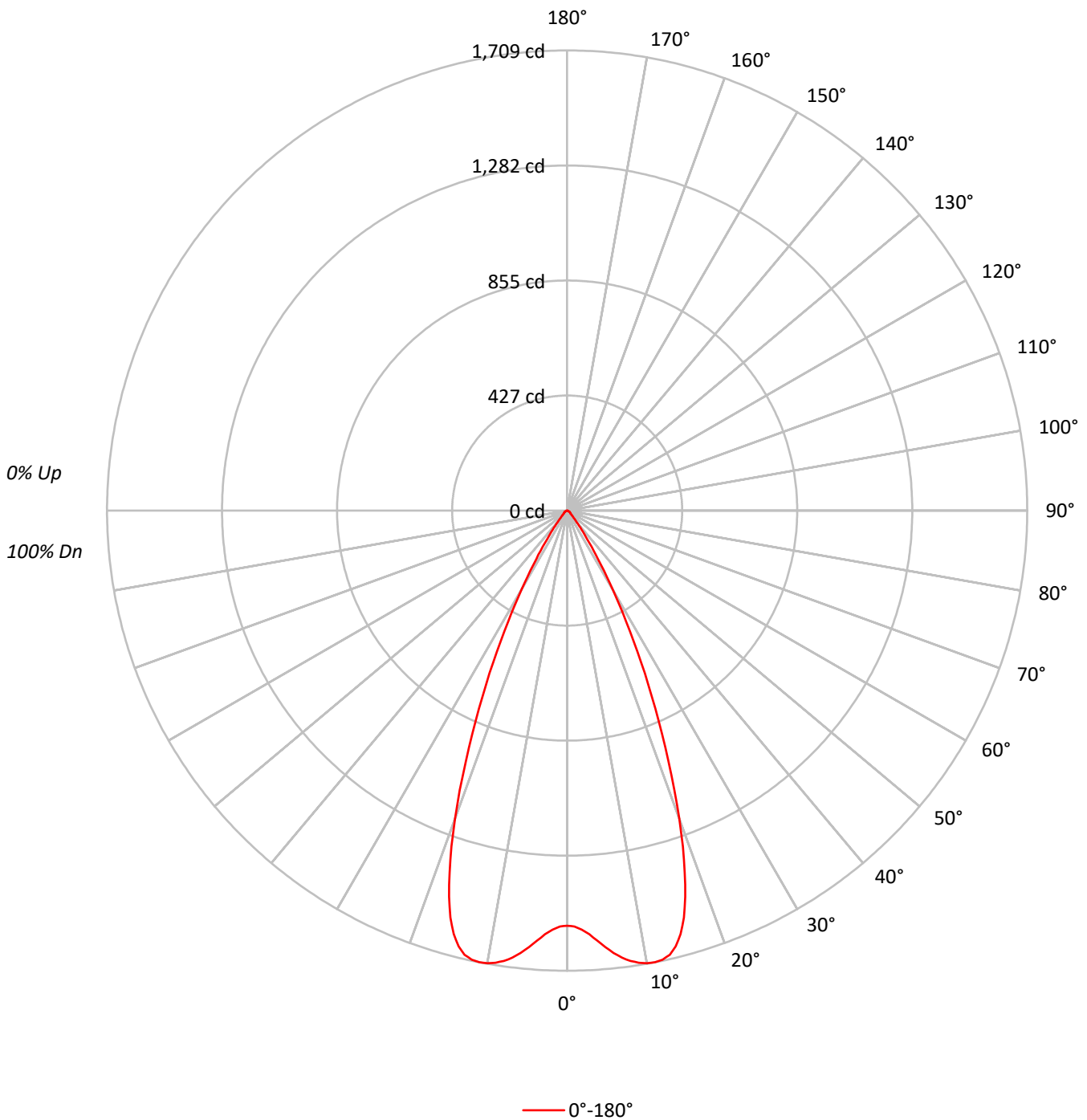
Lumens per Lamp: N/A
Luminaire Lumens: 1060.5 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.72
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	760791
5°	805795
10°	855191
15°	831557
20°	639503
25°	388146
30°	191421
35°	77697
40°	32847
45°	17444
50°	12281
55°	11182
60°	9868
65°	8172
70°	7213
75°	5719
80°	5683
85°	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.2	14.9
10°-20°	436.8	41.2
20°-30°	327.4	30.9
30°-40°	93.3	8.8
40°-50°	21.6	2.0
50°-60°	11.8	1.1
60°-70°	7.3	0.7
70°-80°	3.3	0.3
80°-90°	0.8	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°	922.4	87.0
0°-40°	1015.7	95.8
0°-60°	1049.1	98.9
0°-90°	1060.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1060.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1542	
5°	1627	158
15°	1628	437
25°	713	327
35°	129	93
45°	25	22
55°	13	12
65°	7	7
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1542
1°	1545
2°	1557
3°	1576
4°	1601
5°	1627
6°	1652
7°	1673
8°	1689
9°	1700
10°	1707
11°	1709
12°	1705
13°	1693
14°	1668
15°	1628
16°	1572
17°	1500
18°	1414
19°	1319
20°	1218
21°	1113
22°	1005
23°	902
24°	805
25°	713
26°	626
27°	544
28°	467
29°	398
30°	336
32.5°	213
35°	129
37.5°	80
40°	51
42.5°	35
45°	25
47.5°	20
50°	16
52.5°	15
55°	13
57.5°	12
60°	10
62.5°	9
65°	7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6
70°	5
72.5°	4
75°	3
77.5°	2
80°	2
82.5°	1
85°	1
87.5°	0
90°	0

(END OF REPORT)