

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: P257069

Luminaire Tested: **L806HOFL8027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257069
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806HOFL8027MB
Description: HALO LED HIGH OUTPUT TRACK FIXTURE 06 WITH FLOOD OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-4)
Light Source: (15) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

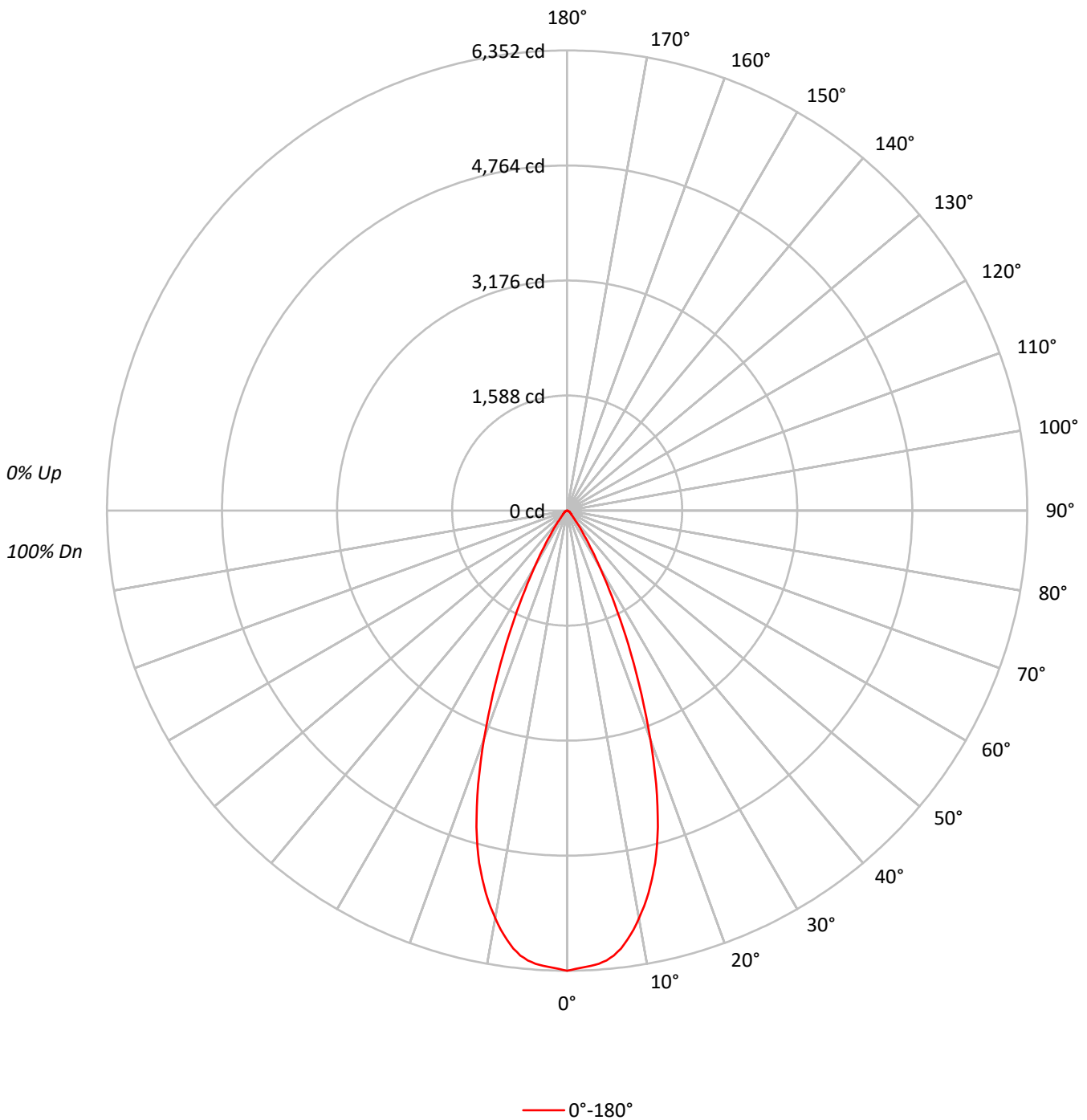
Lumens per Lamp: N/A
Luminaire Lumens: 3191.3 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.64
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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	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	93	91	89
3	105	99	94	91	103	98	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	86	82	79		85	81	78		83	80	78	76
6	92	85	79	76	91	84	79	75	82	78	75		81	77	74		80	77	74	73
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77	73	71	69
8	85	77	72	68	84	77	72	68	76	71	68		75	71	68		74	70	67	66
9	82	74	69	65	81	73	69	65	72	68	65		72	68	65		71	67	65	63
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	891437
5°	878219
10°	814414
15°	695940
20°	500460
25°	295140
30°	145683
35°	65617
40°	31144
45°	18458
50°	14191
55°	12234
60°	10666
65°	9298
70°	7796
75°	6507
80°	5657
85°	4831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.6	18.1
10°-20°	1295.2	40.6
20°-30°	881.9	27.6
30°-40°	267.9	8.4
40°-50°	78.2	2.5
50°-60°	45.2	1.4
60°-70°	27.8	0.9
70°-80°	13.2	0.4
80°-90°	3.4	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°	2755.6	86.3
0°-40°	3023.5	94.7
0°-60°	3147.0	98.6
0°-90°	3191.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3191.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6352	
5°	6234	579
15°	4790	1295
25°	1906	882
35°	383	268
45°	93	78
55°	50	45
65°	28	28
75°	12	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6352
1°	6329
2°	6308
3°	6293
4°	6270
5°	6234
6°	6175
7°	6091
8°	5981
9°	5857
10°	5715
11°	5564
12°	5398
13°	5216
14°	5015
15°	4790
16°	4544
17°	4267
18°	3973
19°	3664
20°	3351
21°	3043
22°	2740
23°	2446
24°	2166
25°	1906
26°	1660
27°	1440
28°	1237
29°	1057
30°	899
32.5°	592
35°	383
37.5°	252
40°	170
42.5°	122
45°	93
47.5°	77
50°	65
52.5°	57
55°	50
57.5°	44
60°	38
62.5°	33
65°	28



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	23
70°	19
72.5°	16
75°	12
77.5°	9
80°	7
82.5°	5
85°	3
87.5°	1
90°	0

(END OF REPORT)