

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: P257070

Luminaire Tested: **L806HOFL8030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257070
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806HOFL8030MB
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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

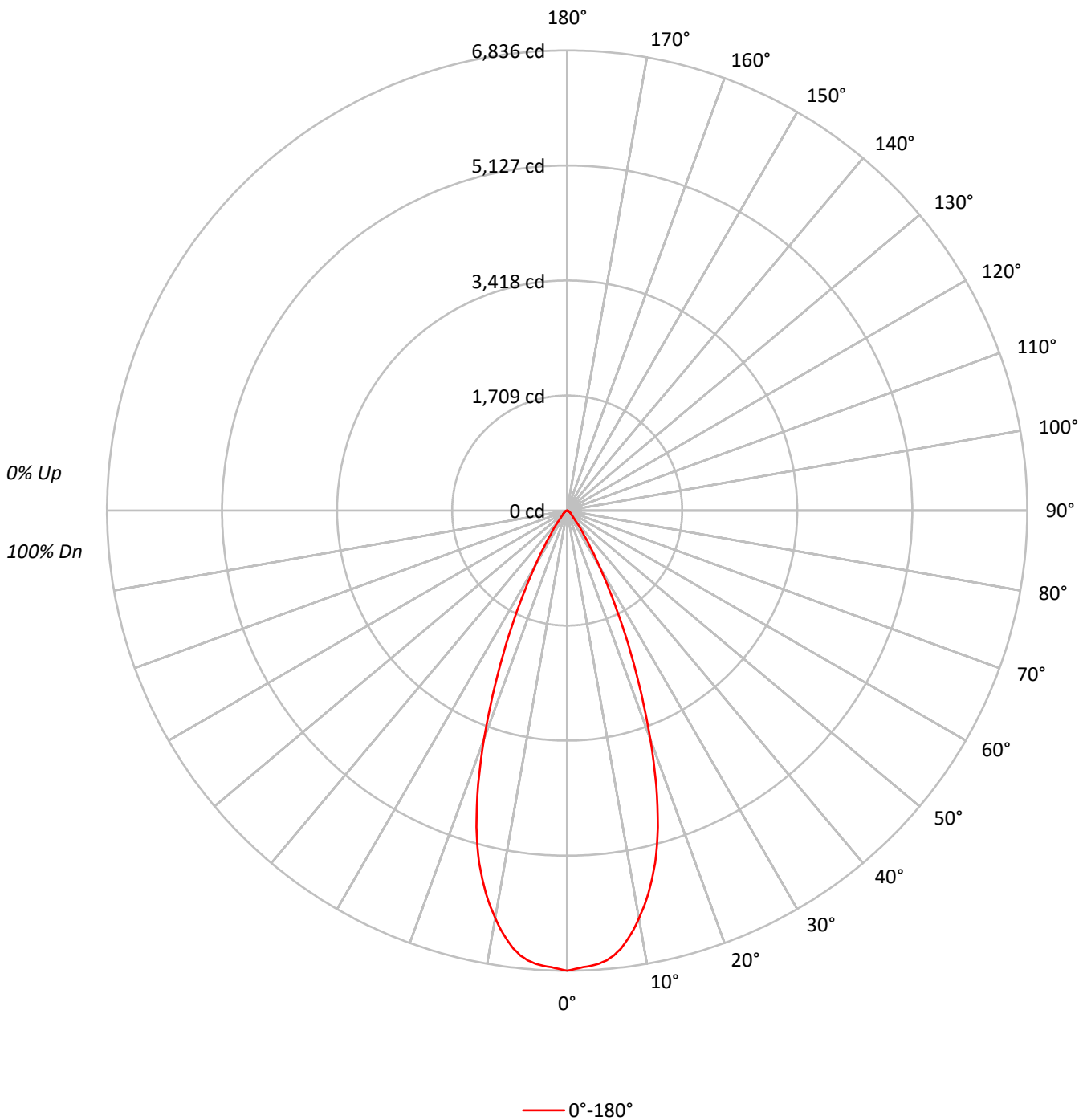
Lumens per Lamp: N/A
Luminaire Lumens: 3434.5 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.64
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 34.1
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



TEST NUMBER: P257070
CATALOG NUMBER: L806HOFL8030MB

Luminous Intensity Polar Plot





TEST NUMBER: P257070

CATALOG NUMBER: L806HOFL8030MB

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°	959348
5°	945121
10°	876460
15°	748957
20°	538588
25°	317624
30°	156784
35°	70619
40°	33526
45°	19867
50°	15283
55°	13163
60°	11480
65°	9995
70°	8371
75°	6995
80°	6061
85°	5153



TEST NUMBER: P257070

CATALOG NUMBER: L806HOFL8030MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	622.7	18.1
10°-20°	1393.8	40.6
20°-30°	949.0	27.6
30°-40°	288.4	8.4
40°-50°	84.2	2.5
50°-60°	48.6	1.4
60°-70°	29.9	0.9
70°-80°	14.2	0.4
80°-90°	3.7	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°	2965.5	86.3
0°-40°	3253.9	94.7
0°-60°	3386.7	98.6
0°-90°	3434.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3434.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6836	
5°	6709	623
15°	5155	1394
25°	2051	949
35°	412	288
45°	100	84
55°	54	49
65°	30	30
75°	13	14
85°	3	4
90°	0	



TEST NUMBER: P257070

CATALOG NUMBER: L806HOFL8030MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	6835.9
1°	6811.2
2°	6788.6
3°	6772.4
4°	6747.7
5°	6708.9
6°	6645.4
7°	6555.0
8°	6436.7
9°	6303.2
10°	6150.4
11°	5987.9
12°	5809.2
13°	5613.4
14°	5397.1
15°	5154.9
16°	4890.2
17°	4592.1
18°	4275.7
19°	3943.1
20°	3606.3
21°	3274.8
22°	2948.7
23°	2632.3
24°	2331.0
25°	2051.2
26°	1786.5
27°	1549.7
28°	1331.2
29°	1137.5
30°	967.5
32.5°	637.1
35°	412.2
37.5°	271.2
40°	183.0
42.5°	131.3
45°	100.1
47.5°	82.9
50°	70.0
52.5°	61.3
55°	53.8
57.5°	47.4
60°	40.9
62.5°	35.5
65°	30.1



TEST NUMBER: P257070

CATALOG NUMBER: L806HOFL8030MB

CANDELA DISTRIBUTION (continued):

	0°
67.5°	24.8
70°	20.4
72.5°	17.2
75°	12.9
77.5°	9.7
80°	7.5
82.5°	5.4
85°	3.2
87.5°	1.1
90°	0.0

(END OF REPORT)