

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: P257052

Luminaire Tested: **L806SMNF8030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257052
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806SMNF8030MB
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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

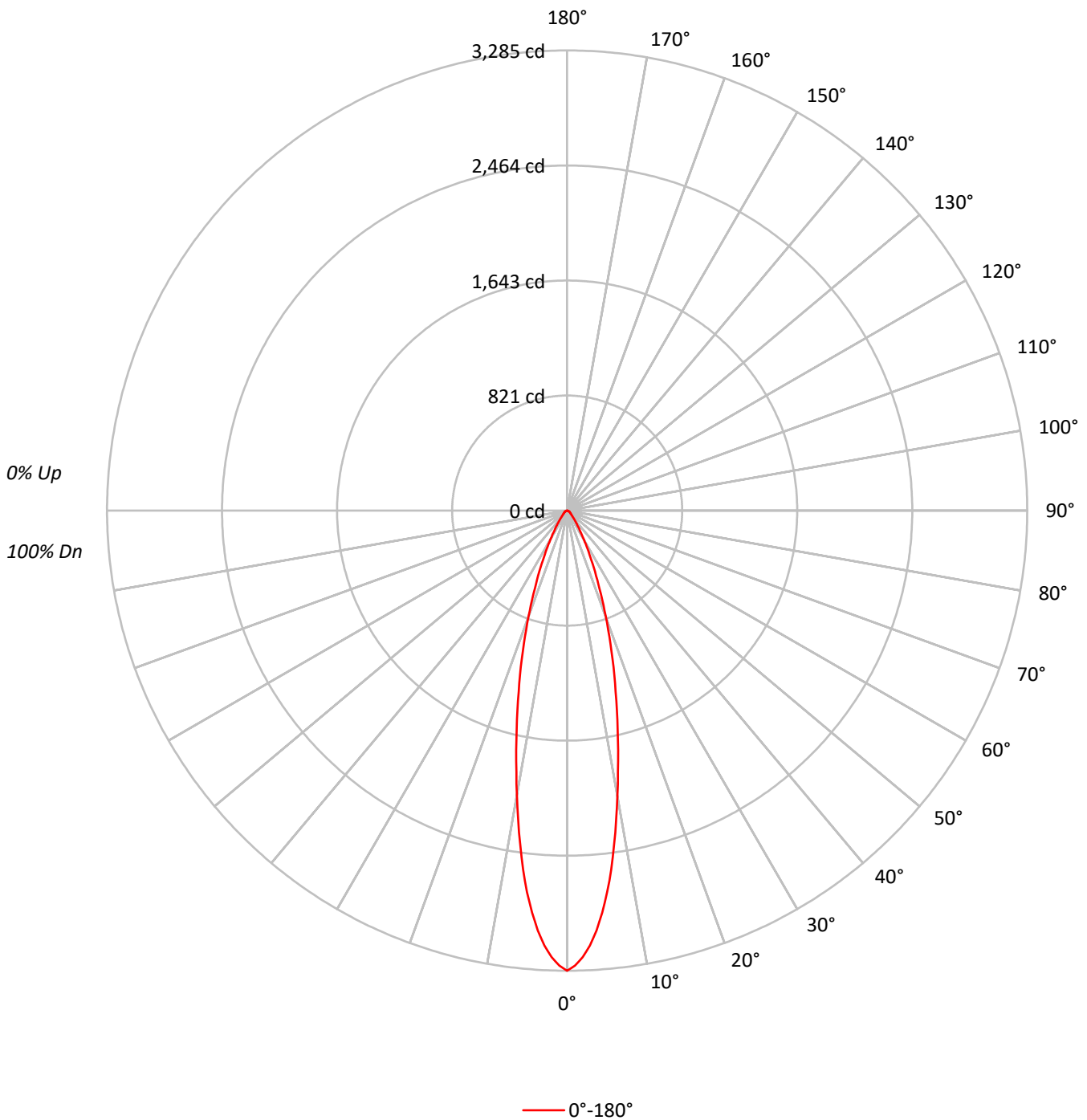
Lumens per Lamp: N/A
Luminaire Lumens: 997.9 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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: P257052
CATALOG NUMBER: L806SMNF8030MB

Luminous Intensity Polar Plot





TEST NUMBER: P257052

CATALOG NUMBER: L806SMNF8030MB

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	91	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	84	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	78	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°	1620801
5°	1426708
10°	1035548
15°	683838
20°	422503
25°	243666
30°	136957
35°	76312
40°	46630
45°	32306
50°	25483
55°	21591
60°	18847
65°	16461
70°	14570
75°	13344
80°	11365
85°	11322



TEST NUMBER: P257052

CATALOG NUMBER: L806SMNF8030MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.1	24.9
10°-20°	369.8	37.1
20°-30°	211.9	21.2
30°-40°	84.5	8.5
40°-50°	37.1	3.7
50°-60°	22.9	2.3
60°-70°	14.3	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°	829.8	83.2
0°-40°	914.3	91.6
0°-60°	974.3	97.6
0°-90°	997.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	997.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3285	
5°	2881	248
15°	1339	370
25°	448	212
35°	127	84
45°	46	37
55°	25	23
65°	14	14
75°	7	7
85°	2	2
90°	0	



TEST NUMBER: P257052

CATALOG NUMBER: L806SMNF8030MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	3285.1
1°	3248.9
2°	3190.5
3°	3110.1
4°	3004.5
5°	2880.7
6°	2737.9
7°	2582.0
8°	2410.0
9°	2237.0
10°	2067.0
11°	1901.1
12°	1748.2
13°	1604.3
14°	1465.5
15°	1338.8
16°	1220.1
17°	1107.4
18°	999.8
19°	899.2
20°	804.7
22.5°	602.5
25°	447.6
26°	396.3
27°	351.0
28°	309.8
29°	272.6
30°	240.4
32.5°	173.0
35°	126.7
37.5°	94.5
40°	72.4
42.5°	56.3
45°	46.3
47.5°	38.2
50°	33.2
52.5°	29.2
55°	25.1
57.5°	22.1
60°	19.1
62.5°	17.1
65°	14.1
67.5°	12.1
70°	10.1
72.5°	8.0



TEST NUMBER: P257052

CATALOG NUMBER: L806SMNF8030MB

CANDELA DISTRIBUTION (continued):

	0°
75°	7.0
77.5°	5.0
80°	4.0
82.5°	3.0
85°	2.0
87.5°	1.0
90°	0.0

(END OF REPORT)