

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: P257056

Luminaire Tested: **L806SMFL8040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257056
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806SMFL8040MB
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) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

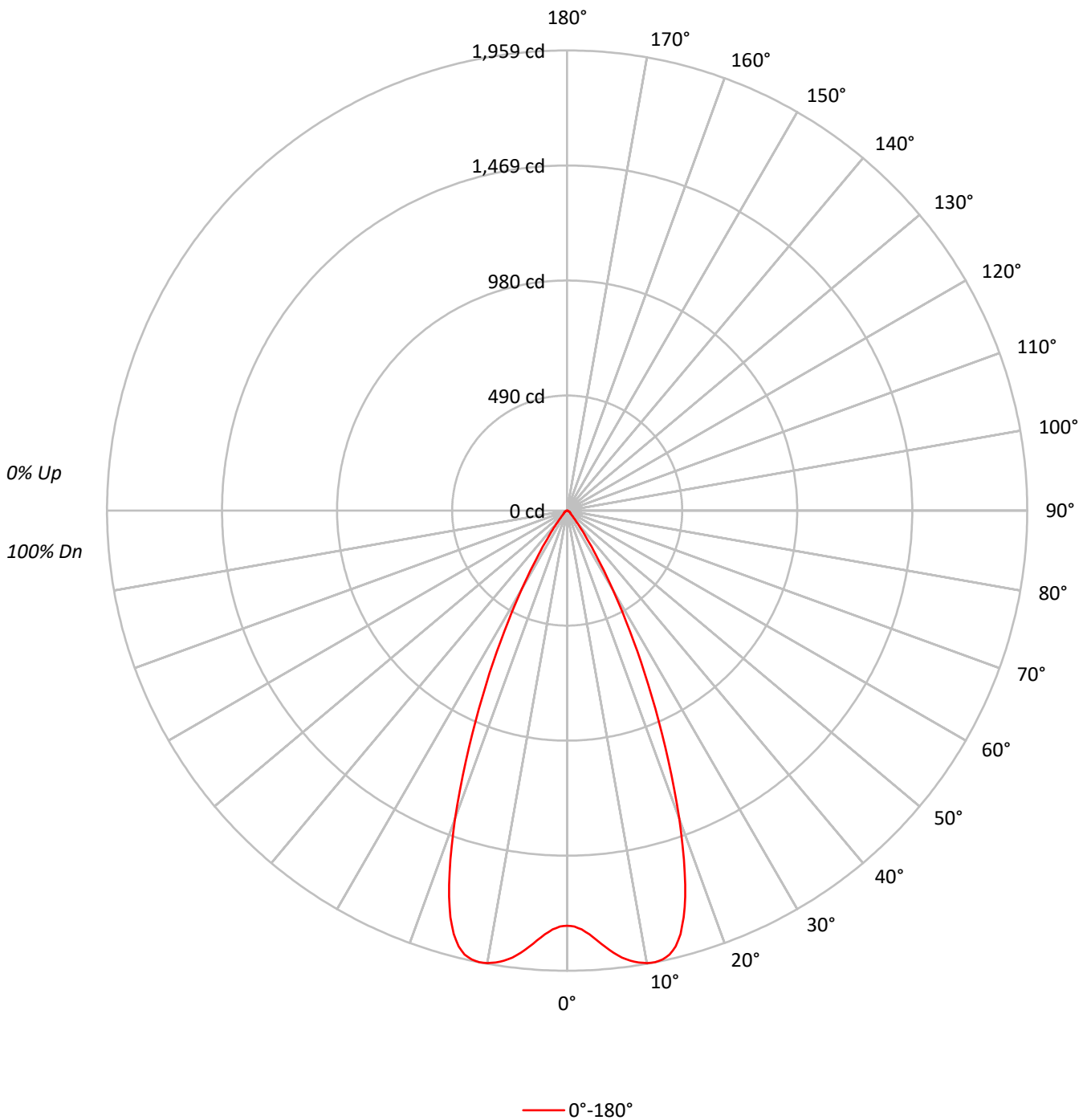
Lumens per Lamp: N/A
Luminaire Lumens: 1215.4 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.72
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 11.9
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°	871900
5°	923470
10°	980088
15°	952970
20°	732908
25°	444816
30°	219394
35°	89021
40°	37613
45°	20025
50°	14046
55°	12817
60°	11348
65°	9339
70°	8223
75°	6481
80°	6535
85°	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.3	14.9
10°-20°	500.6	41.2
20°-30°	375.3	30.9
30°-40°	106.9	8.8
40°-50°	24.8	2.0
50°-60°	13.6	1.1
60°-70°	8.3	0.7
70°-80°	3.8	0.3
80°-90°	0.9	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°	1057.1	87.0
0°-40°	1164.0	95.8
0°-60°	1202.4	98.9
0°-90°	1215.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1215.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1767	
5°	1865	181
15°	1866	501
25°	817	375
35°	148	107
45°	29	25
55°	15	14
65°	8	8
75°	3	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1767.2
1°	1770.6
2°	1784.4
3°	1806.2
4°	1834.8
5°	1864.6
6°	1893.3
7°	1917.3
8°	1935.7
9°	1948.3
10°	1956.3
11°	1958.6
12°	1954.0
13°	1940.2
14°	1911.6
15°	1865.7
16°	1801.6
17°	1719.1
18°	1620.5
19°	1511.6
20°	1395.9
21°	1275.5
22°	1151.8
23°	1033.7
24°	922.6
25°	817.1
26°	717.4
27°	623.4
28°	535.2
29°	456.1
30°	385.1
32.5°	244.1
35°	147.8
37.5°	91.7
40°	58.4
42.5°	40.1
45°	28.7
47.5°	22.9
50°	18.3
52.5°	17.2
55°	14.9
57.5°	13.8
60°	11.5
62.5°	10.3
65°	8.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.9
70°	5.7
72.5°	4.6
75°	3.4
77.5°	2.3
80°	2.3
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)