

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: P285887

Luminaire Tested: **L811081NF9040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-111-2)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L811081NF9040MB
Description: HALO, TRACK-MINI, 22D BEAM
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

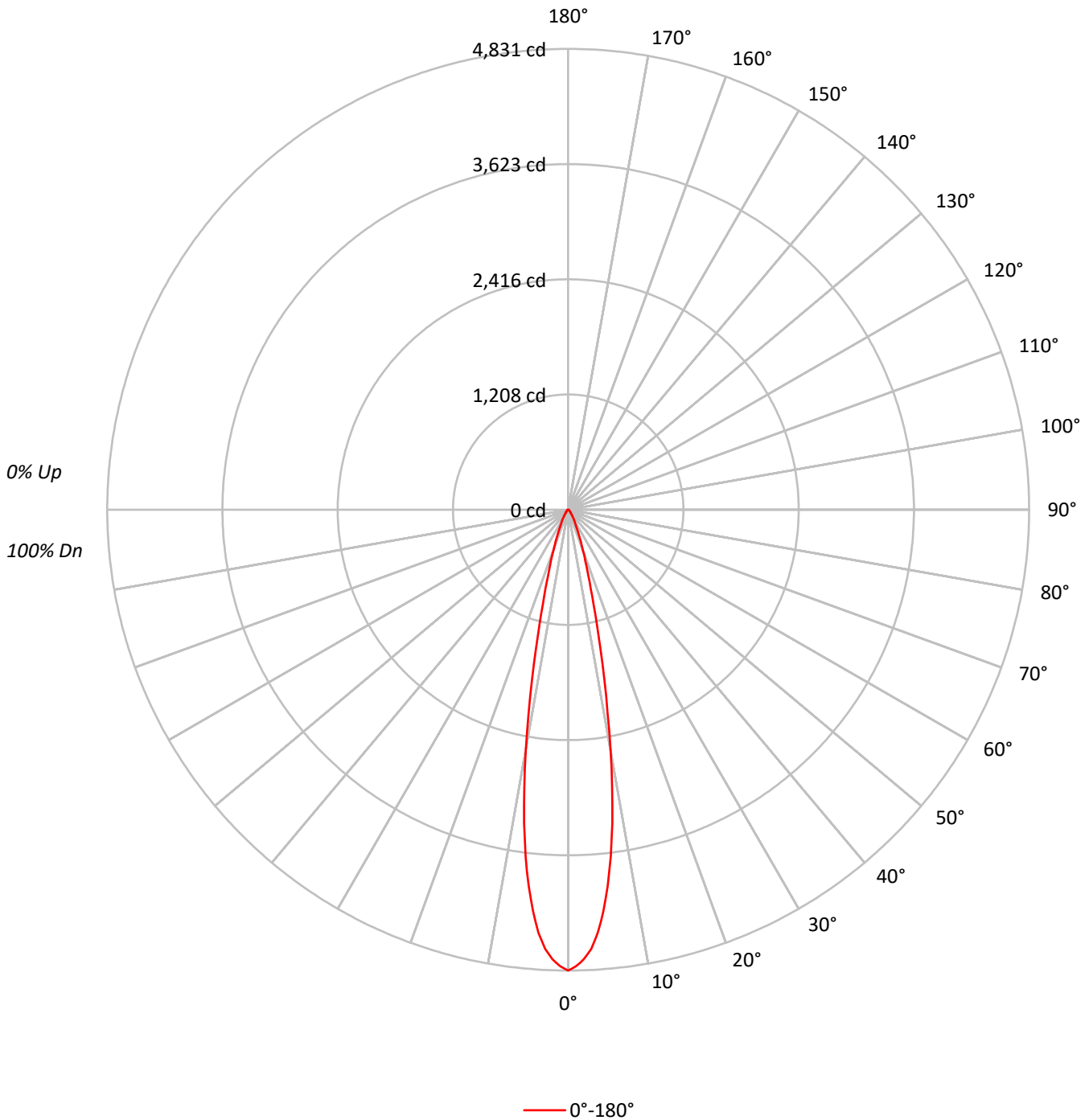
Lumens per Lamp: N/A
Luminaire Lumens: 837.2 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

Input Watts (W): 10.4
Input Voltage (V): NR
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	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	97
2	111	108	104	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	99	96	106	102	98	96	99	96	94	97	95	93	95	93	91	90
4	104	99	95	92	103	98	94	91	96	93	90	94	91	89	92	90	88	87
5	101	95	91	88	100	94	91	88	93	90	87	91	89	86	90	88	86	84
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82	87	83	81	86	83	81	80
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78
9	91	84	80	78	90	84	80	77	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	75	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1883397
5°	1653685
10°	1009764
15°	414602
20°	185604
25°	91919
30°	51091
35°	30743
40°	19847
45°	12901
50°	8794
55°	6049
60°	4366
65°	3044
70°	2508
75°	1657
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.0	41.7
10°-20°	308.4	36.8
20°-30°	105.6	12.6
30°-40°	42.4	5.1
40°-50°	18.9	2.3
50°-60°	8.4	1.0
60°-70°	3.7	0.4
70°-80°	0.9	0.1
80°-90°	0.0	0.0
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°	762.9	91.1
0°-40°	805.3	96.2
0°-60°	832.6	99.5
0°-90°	837.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	837.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4831	
5°	4226	349
15°	1027	308
25°	214	106
35°	65	42
45°	23	19
55°	9	8
65°	3	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4831.3
1°	4786.8
2°	4714.5
3°	4609.9
4°	4447.4
5°	4225.9
6°	3965.5
7°	3660.5
8°	3317.7
9°	2943.8
10°	2550.9
11°	2162.5
12°	1819.7
13°	1500.3
14°	1239.8
15°	1027.3
16°	861.4
17°	727.9
18°	615.5
19°	523.1
20°	447.4
22.5°	306.1
25°	213.7
26°	185.9
27°	163.6
28°	144.7
29°	128.0
30°	113.5
32.5°	84.6
35°	64.6
37.5°	50.1
40°	39.0
42.5°	30.0
45°	23.4
47.5°	18.9
50°	14.5
52.5°	11.1
55°	8.9
57.5°	7.8
60°	5.6
62.5°	4.5
65°	3.3
67.5°	3.3
70°	2.2
72.5°	1.1



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CANDELA DISTRIBUTION (continued):

	0°
75°	1.1
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)