

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: P285883

Luminaire Tested: **L811081FL9040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-111-3)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L811081FL9040MB
Description: HALO, TRACK-MINI, 38D BEAM
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver:

Summary

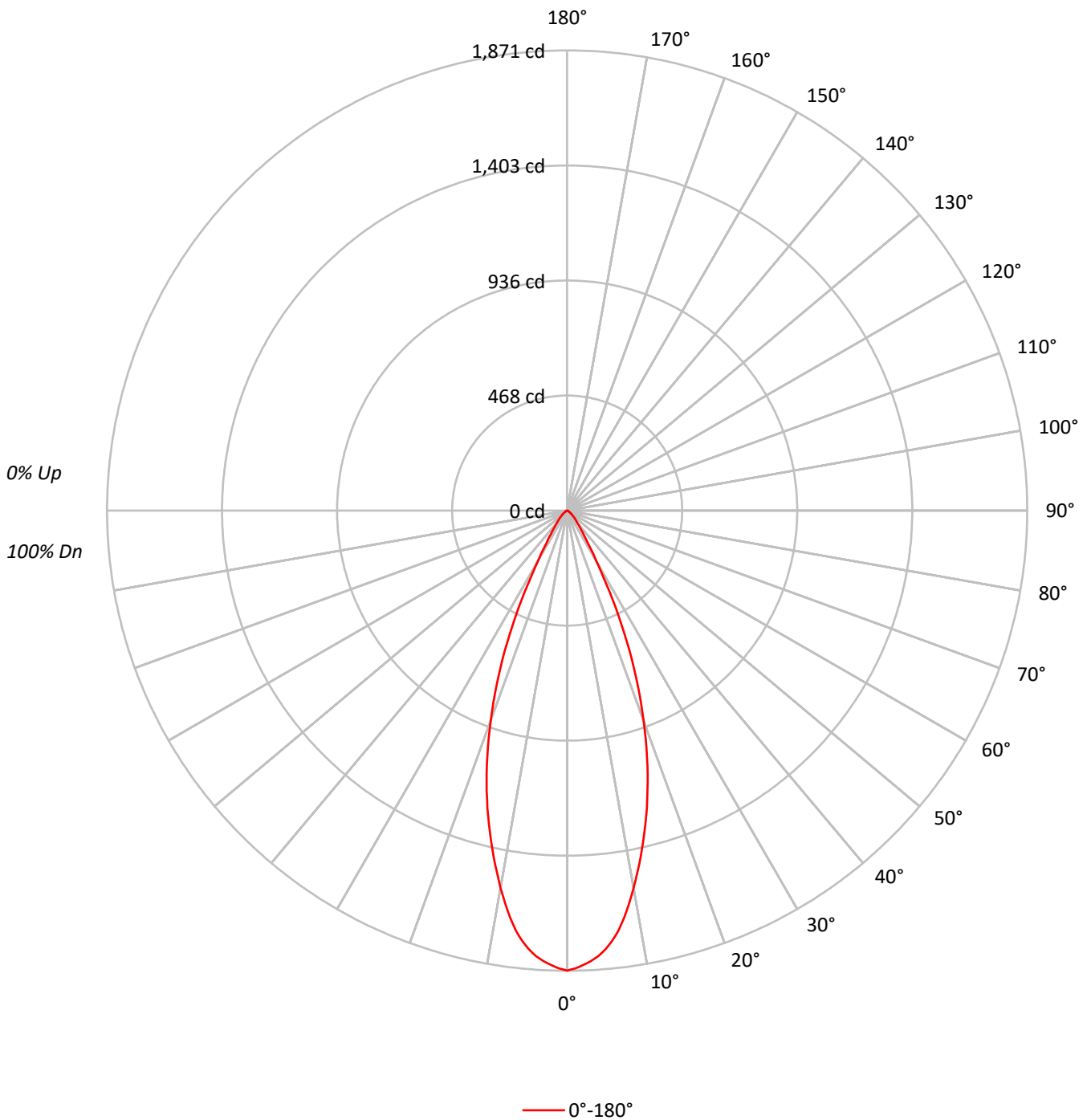
Lumens per Lamp: N/A
Luminaire Lumens: 880.7 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 0.63 / 0.63 / 0.63
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

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	114	112	109	107	112	110	108	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	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	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	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	72	67	65	71	67	64	63
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	729220
5°	700622
10°	616689
15°	505247
20°	376685
25°	236917
30°	106683
35°	52444
40°	32264
45°	22107
50°	14859
55°	9855
60°	6081
65°	4151
70°	2508
75°	1657
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	18.6
10°-20°	342.9	38.9
20°-30°	247.4	28.1
30°-40°	76.5	8.7
40°-50°	31.8	3.6
50°-60°	13.2	1.5
60°-70°	4.5	0.5
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°	753.8	85.6
0°-40°	830.3	94.3
0°-60°	875.3	99.4
0°-90°	880.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	880.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1871	
5°	1790	164
15°	1252	343
25°	551	247
35°	110	76
45°	40	32
55°	14	13
65°	4	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1870.6
1°	1861.7
2°	1849.4
3°	1835.0
4°	1816.0
5°	1790.4
6°	1758.2
7°	1719.2
8°	1670.3
9°	1615.7
10°	1557.9
11°	1497.8
12°	1437.7
13°	1376.5
14°	1314.2
15°	1251.9
16°	1186.2
17°	1119.4
18°	1049.3
19°	979.2
20°	908.0
21°	837.9
22°	765.6
23°	694.4
24°	622.0
25°	550.8
26°	477.4
27°	408.4
28°	343.8
29°	286.0
30°	237.0
32.5°	156.9
35°	110.2
37.5°	82.3
40°	63.4
42.5°	50.1
45°	40.1
47.5°	32.3
50°	24.5
52.5°	18.9
55°	14.5
57.5°	10.0
60°	7.8
62.5°	5.6
65°	4.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.3
70°	2.2
72.5°	1.1
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)