

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: P285882

Luminaire Tested: **L811081FL9035MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285882
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: L811081FL9035MB
Description: HALO, TRACK-MINI, 38D BEAM
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver:

Summary

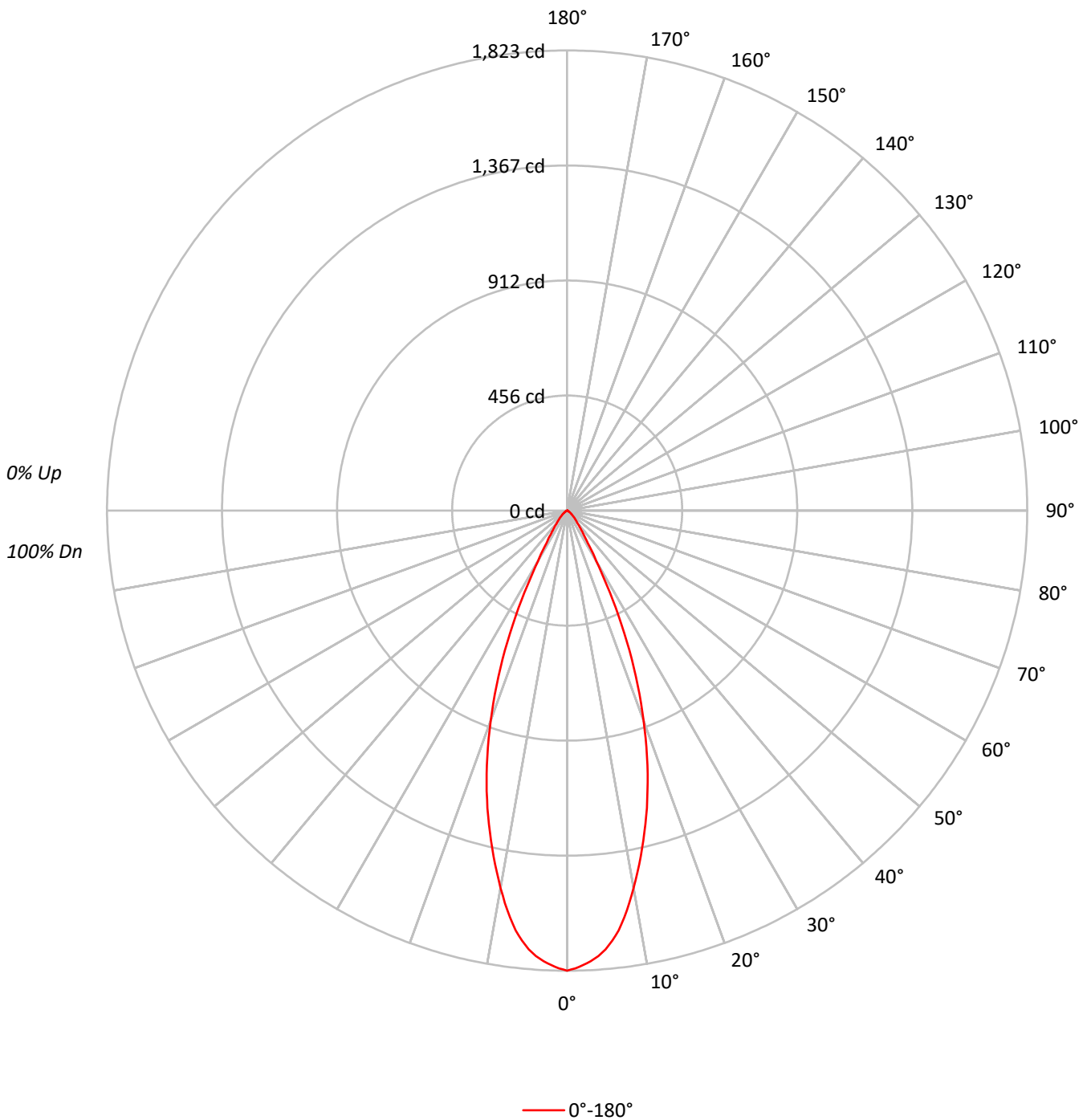
Lumens per Lamp: N/A
Luminaire Lumens: 858.2 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.63 / 0.63 / 0.63
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

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°	710586
5°	682738
10°	600934
15°	492332
20°	367060
25°	230852
30°	103982
35°	51064
40°	31449
45°	21501
50°	14495
55°	9583
60°	5925
65°	3966
70°	2508
75°	1657
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.3	18.6
10°-20°	334.1	38.9
20°-30°	241.1	28.1
30°-40°	74.5	8.7
40°-50°	31.0	3.6
50°-60°	12.9	1.5
60°-70°	4.4	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°	734.6	85.6
0°-40°	809.1	94.3
0°-60°	852.9	99.4
0°-90°	858.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	858.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1823	
5°	1745	159
15°	1220	334
25°	537	241
35°	107	74
45°	39	31
55°	14	13
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1822.8
1°	1814.1
2°	1802.2
3°	1788.1
4°	1769.6
5°	1744.7
6°	1713.3
7°	1675.3
8°	1627.6
9°	1574.5
10°	1518.1
11°	1459.5
12°	1401.0
13°	1341.3
14°	1280.6
15°	1219.9
16°	1155.9
17°	1090.8
18°	1022.5
19°	954.2
20°	884.8
21°	816.5
22°	746.0
23°	676.6
24°	606.1
25°	536.7
26°	465.2
27°	398.0
28°	335.1
29°	278.7
30°	231.0
32.5°	152.9
35°	107.3
37.5°	80.2
40°	61.8
42.5°	48.8
45°	39.0
47.5°	31.4
50°	23.9
52.5°	18.4
55°	14.1
57.5°	9.8
60°	7.6
62.5°	5.4
65°	4.3



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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)