

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: P285881

Luminaire Tested: **L811081FL9030MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P285881  
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: L811081FL9030MB  
Description: HALO, TRACK-MINI, 38D BEAM  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver:

**Summary**

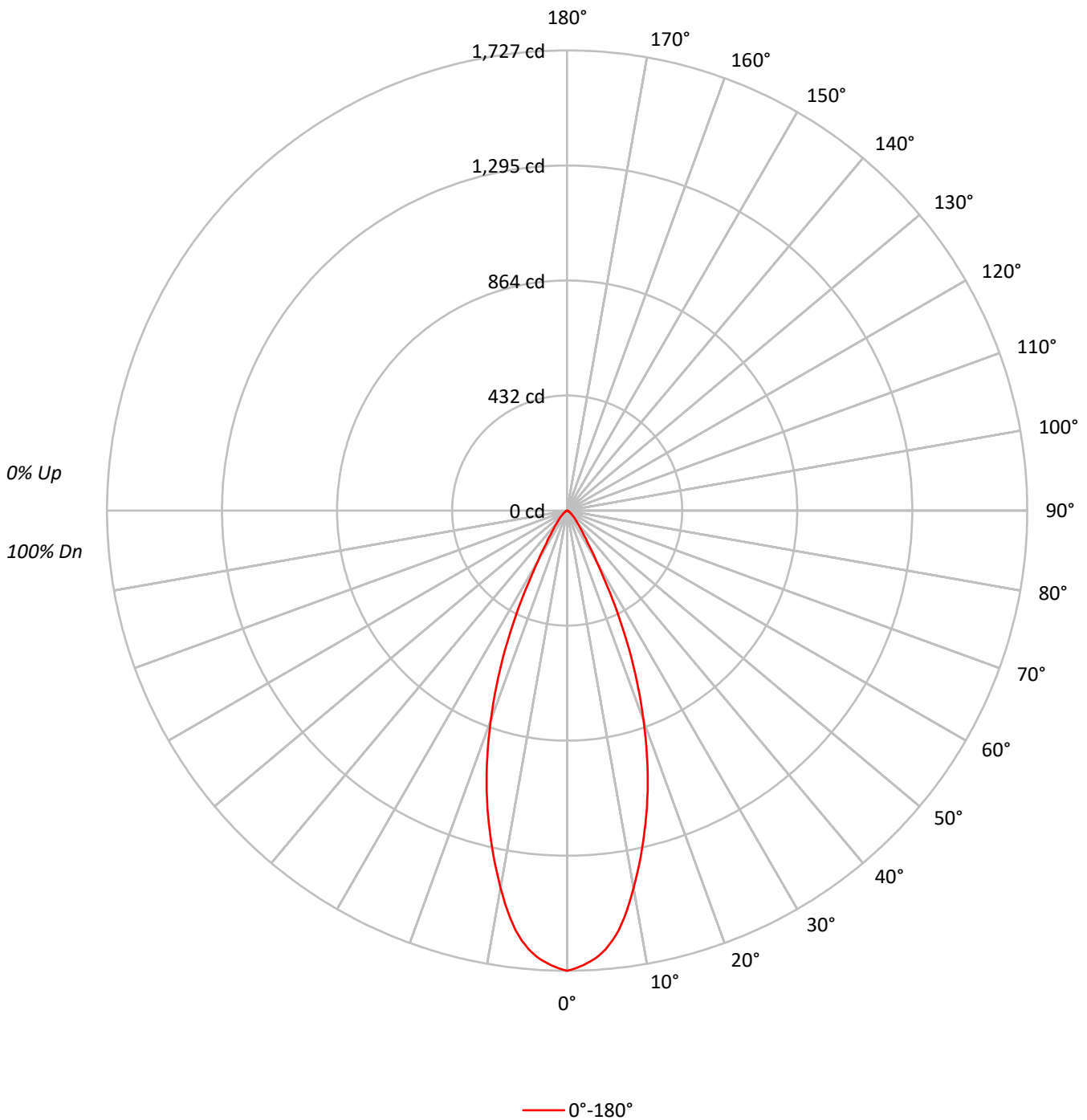
Lumens per Lamp: N/A  
Luminaire Lumens: 813.1 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Spacing Criteria (0/90/45): 0.63 / 0.63 / 0.63  
Luminous Opening: Circular (Dia: 0.19' x H: 0')  
CIE Type: Direct

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°	673240
5°	646854
10°	569345
15°	466463
20°	347769
25°	218722
30°	98491
35°	48399
40°	29821
45°	20398
50°	13706
55°	9107
60°	5614
65°	3782
70°	2394
75°	1506
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.0	18.6
10°-20°	316.6	38.9
20°-30°	228.4	28.1
30°-40°	70.6	8.7
40°-50°	29.4	3.6
50°-60°	12.2	1.5
60°-70°	4.2	0.5
70°-80°	0.8	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°	696.0	85.6
0°-40°	766.6	94.3
0°-60°	808.1	99.4
0°-90°	813.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	813.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1727	
5°	1653	151
15°	1156	317
25°	508	228
35°	102	71
45°	37	29
55°	13	12
65°	4	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1727.0
1°	1718.8
2°	1707.5
3°	1694.1
4°	1676.6
5°	1653.0
6°	1623.2
7°	1587.3
8°	1542.1
9°	1491.7
10°	1438.3
11°	1382.8
12°	1327.3
13°	1270.8
14°	1213.3
15°	1155.8
16°	1095.2
17°	1033.5
18°	968.8
19°	904.1
20°	838.3
21°	773.6
22°	706.8
23°	641.1
24°	574.3
25°	508.5
26°	440.7
27°	377.0
28°	317.5
29°	264.0
30°	218.8
32.5°	144.9
35°	101.7
37.5°	76.0
40°	58.6
42.5°	46.2
45°	37.0
47.5°	29.8
50°	22.6
52.5°	17.5
55°	13.4
57.5°	9.2
60°	7.2
62.5°	5.1
65°	4.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	3.1
70°	2.1
72.5°	1.0
75°	1.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)