

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: P285885

Luminaire Tested: **L811081NF9030MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P285885  
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: L811081NF9030MB  
Description: HALO, TRACK-MINI, 22D BEAM  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

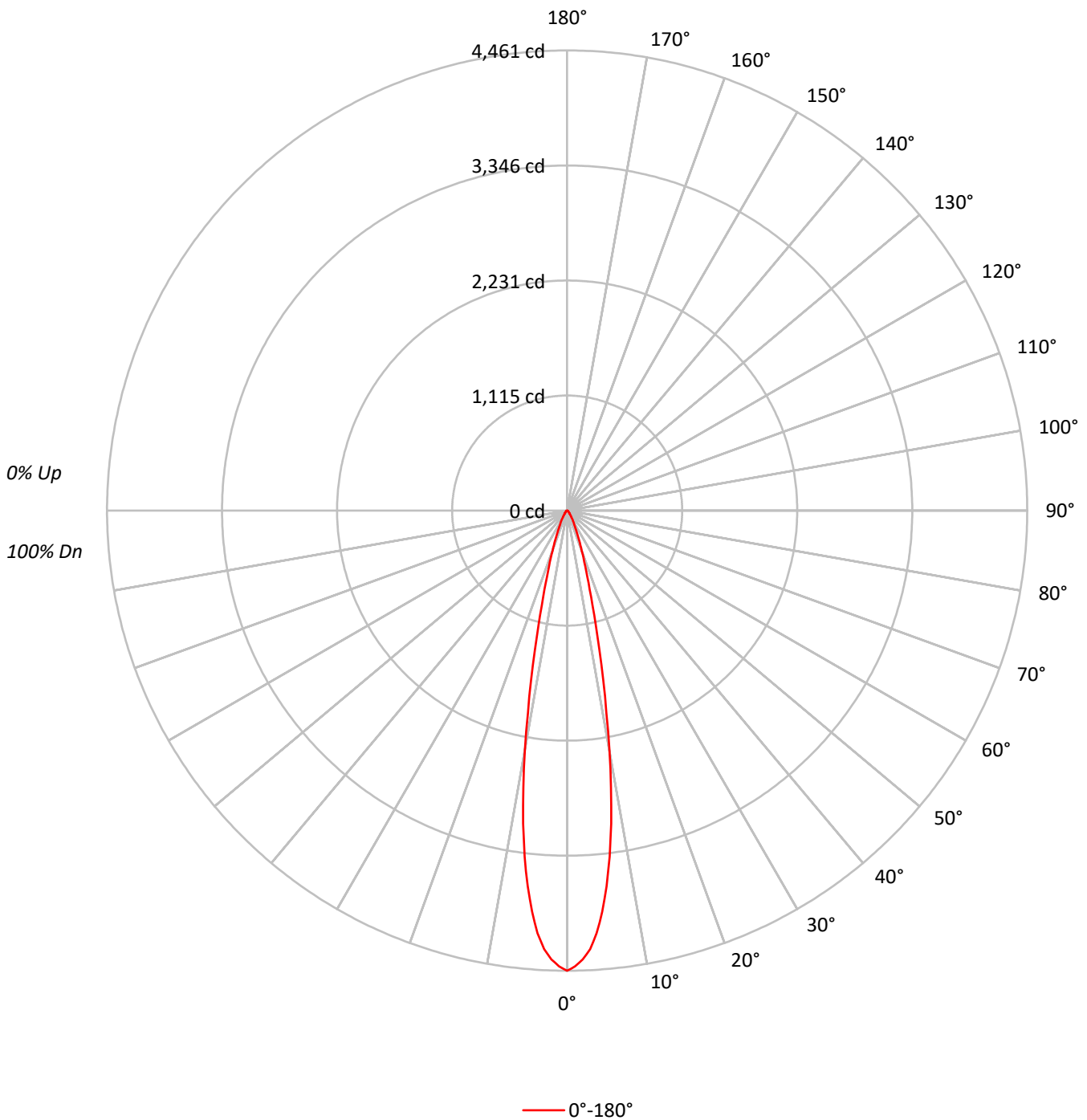
Lumens per Lamp: N/A  
Luminaire Lumens: 773.0 lumens  
Efficiency: N/A  
Efficacy: 74.3 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34  
Luminous Opening: Circular (Dia: 0.19' x H: 0')  
CIE Type: Direct

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°	1739003
5°	1526858
10°	932336
15°	382800
20°	171375
25°	84865
30°	47175
35°	28363
40°	18320
45°	11908
50°	8127
55°	5573
60°	3976
65°	2860
70°	2394
75°	1506
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.2	41.7
10°-20°	284.7	36.8
20°-30°	97.5	12.6
30°-40°	39.1	5.1
40°-50°	17.5	2.3
50°-60°	7.8	1.0
60°-70°	3.4	0.4
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°	704.4	91.1
0°-40°	743.5	96.2
0°-60°	768.8	99.5
0°-90°	773.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4461	
5°	3902	322
15°	948	285
25°	197	97
35°	60	39
45°	22	17
55°	8	8
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4460.9
1°	4419.8
2°	4353.0
3°	4256.4
4°	4106.3
5°	3901.8
6°	3661.4
7°	3379.8
8°	3063.3
9°	2718.0
10°	2355.3
11°	1996.6
12°	1680.1
13°	1385.2
14°	1144.8
15°	948.5
16°	795.4
17°	672.1
18°	568.3
19°	483.0
20°	413.1
22.5°	282.6
25°	197.3
26°	171.6
27°	151.1
28°	133.6
29°	118.2
30°	104.8
32.5°	78.1
35°	59.6
37.5°	46.2
40°	36.0
42.5°	27.7
45°	21.6
47.5°	17.5
50°	13.4
52.5°	10.3
55°	8.2
57.5°	7.2
60°	5.1
62.5°	4.1
65°	3.1
67.5°	3.1
70°	2.1
72.5°	1.0



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**CANDELA DISTRIBUTION (continued):**

	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)