

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: P285922

Luminaire Tested: **L81208NF9035MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P285922  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-134-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L81208NF9035MB  
Description: HALO, TRACK-MINI, 22D BEAM  
Light Source: (1) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

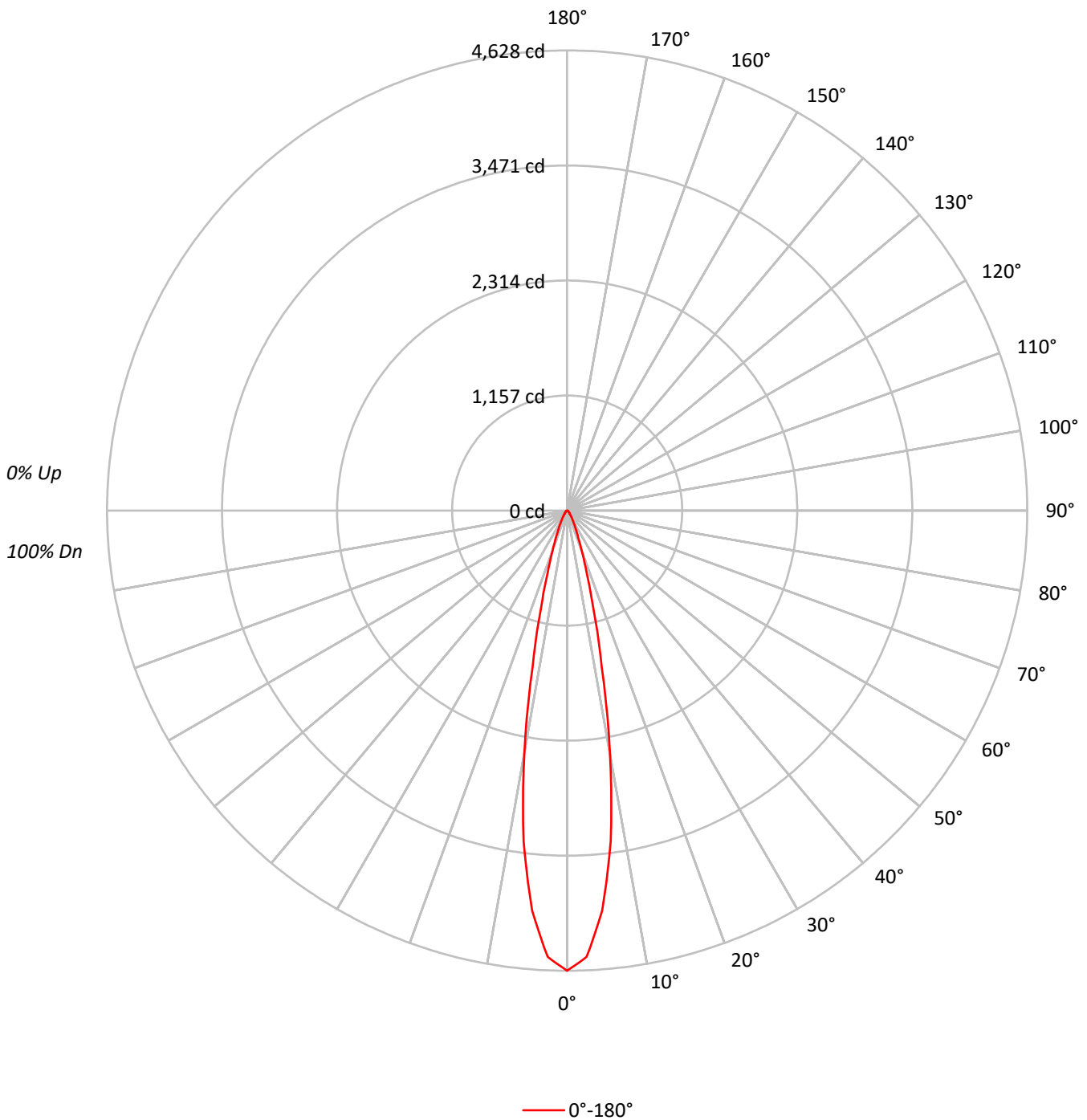
Lumens per Lamp: N/A  
Luminaire Lumens: 822.0 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.35  
Luminous Opening: Circular (Dia: 0.19' x H: 0')  
CIE Type: Direct

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	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	90
4	104	98	94	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87
5	101	95	91	88	99	94	90	87	92	89	86	91	88	86	89	87	85	84
6	98	92	87	84	97	91	87	84	90	86	84	88	85	83	87	85	83	81
7	95	89	84	82	94	88	84	81	87	84	81	86	83	81	85	82	80	79
8	93	86	82	79	92	86	82	79	85	81	79	84	81	78	83	80	78	77
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75
10	88	81	77	75	87	81	77	75	80	77	75	80	77	74	79	76	74	73

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1804144
5°	1579412
10°	979007
15°	408387
20°	176436
25°	88306
30°	49515
35°	30410
40°	20814
45°	15602
50°	11462
55°	7816
60°	5692
65°	3874
70°	2394
75°	1506
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.5	40.8
10°-20°	304.8	37.1
20°-30°	101.4	12.3
30°-40°	42.1	5.1
40°-50°	22.0	2.7
50°-60°	10.8	1.3
60°-70°	4.2	0.5
70°-80°	1.1	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°	741.7	90.2
0°-40°	783.8	95.4
0°-60°	816.6	99.4
0°-90°	822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	822.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4628	
5°	4036	336
15°	1012	305
25°	205	101
35°	64	42
45°	28	22
55°	12	11
65°	4	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4628.0
2.5°	4492.9
5°	4036.1
7.5°	3354.2
10°	2473.2
12.5°	1611.1
15°	1011.9
17.5°	637.9
20°	425.3
22.5°	290.2
25°	205.3
27.5°	148.7
30°	110.0
32.5°	83.8
35°	63.9
37.5°	50.3
40°	40.9
42.5°	33.5
45°	28.3
47.5°	23.0
50°	18.9
52.5°	14.7
55°	11.5
57.5°	9.4
60°	7.3
62.5°	5.2
65°	4.2
67.5°	3.1
70°	2.1
72.5°	2.1
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)