

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: P285927

Luminaire Tested: **L81208SP9040MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P285927  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-134-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L81208SP9040MB  
Description: HALO, TRACK-MINI, 15D BEAM  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

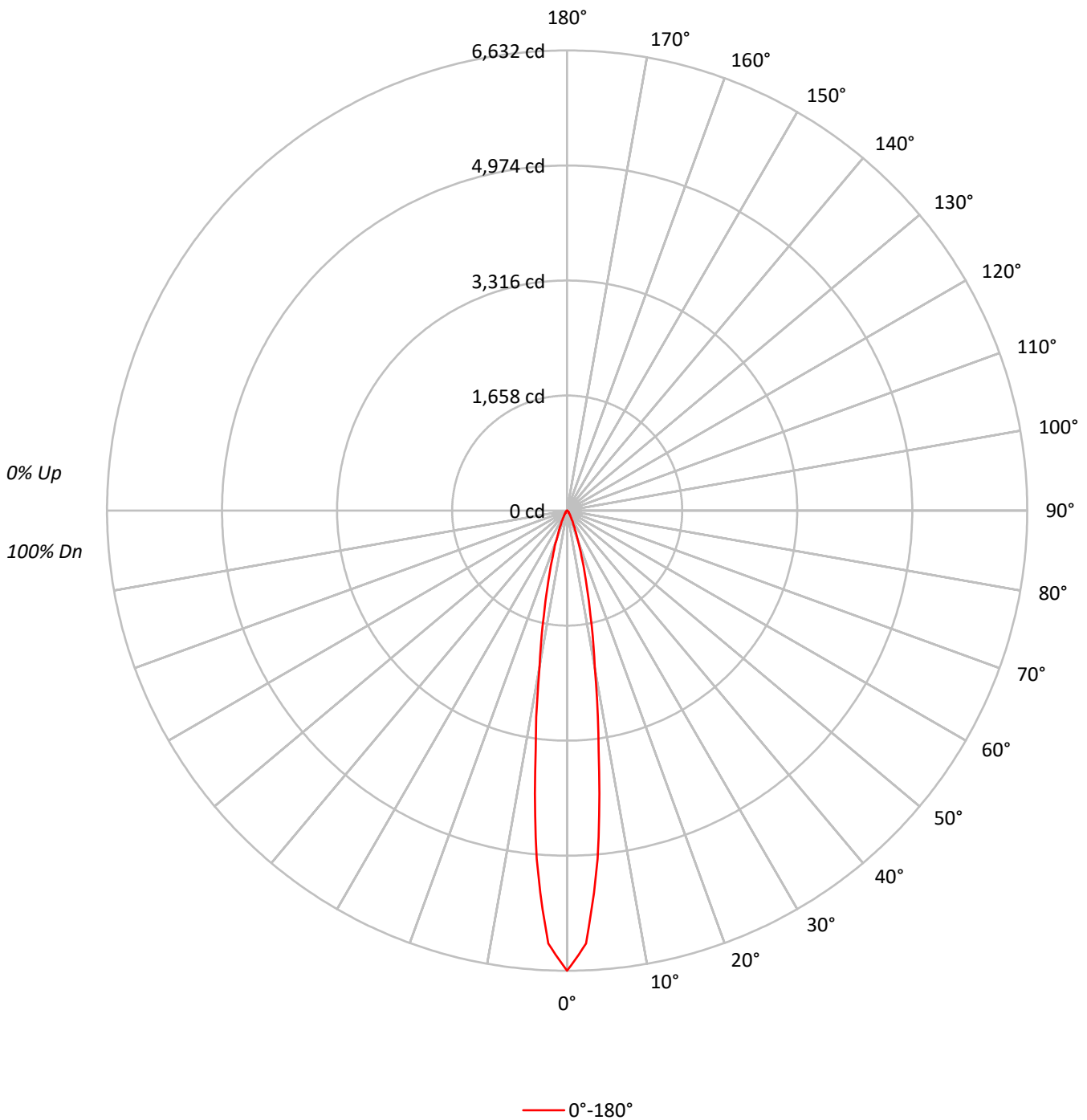
Lumens per Lamp: N/A  
Luminaire Lumens: 860.3 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.29  
Luminous Opening: Circular (Dia: 0.19' x H: 0')  
CIE Type: Direct

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	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	100	96	93	103	98	95	92	96	94	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	92	89	94	90	88	92	89	87	91	88	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83
7	97	90	86	83	95	90	86	83	89	85	83	88	85	82	87	84	82	81
8	94	88	84	81	93	87	84	81	86	83	81	86	83	80	85	82	80	79
9	92	86	82	79	91	85	81	79	84	81	79	84	81	78	83	80	78	77
10	90	84	80	77	89	83	80	77	83	79	77	82	79	77	81	79	77	76

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

	0°
0°	2585212
5°	1972769
10°	907081
15°	416943
20°	187844
25°	87446
30°	46499
35°	27221
40°	17353
45°	12735
50°	8673
55°	5981
60°	4288
65°	3044
70°	2508
75°	1657
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	387.2	45.0
10°-20°	302.6	35.2
20°-30°	102.3	11.9
30°-40°	37.7	4.4
40°-50°	17.9	2.1
50°-60°	8.3	1.0
60°-70°	3.4	0.4
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°	792.1	92.1
0°-40°	829.9	96.5
0°-60°	856.1	99.5
0°-90°	860.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	860.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6632	
5°	5041	387
15°	1033	303
25°	203	102
35°	57	38
45°	23	18
55°	9	8
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6631.6
2.5°	6244.8
5°	5041.3
7.5°	3481.8
10°	2291.5
12.5°	1544.2
15°	1033.1
17.5°	685.8
20°	452.8
22.5°	300.0
25°	203.3
27.5°	141.8
30°	103.3
32.5°	76.9
35°	57.2
37.5°	42.9
40°	34.1
42.5°	27.5
45°	23.1
47.5°	18.7
50°	14.3
52.5°	12.1
55°	8.8
57.5°	6.6
60°	5.5
62.5°	4.4
65°	3.3
67.5°	2.2
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)