

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: P285923

Luminaire Tested: **L81208NF9040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285923
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: L81208NF9040MB
Description: HALO, TRACK-MINI, 22D BEAM
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

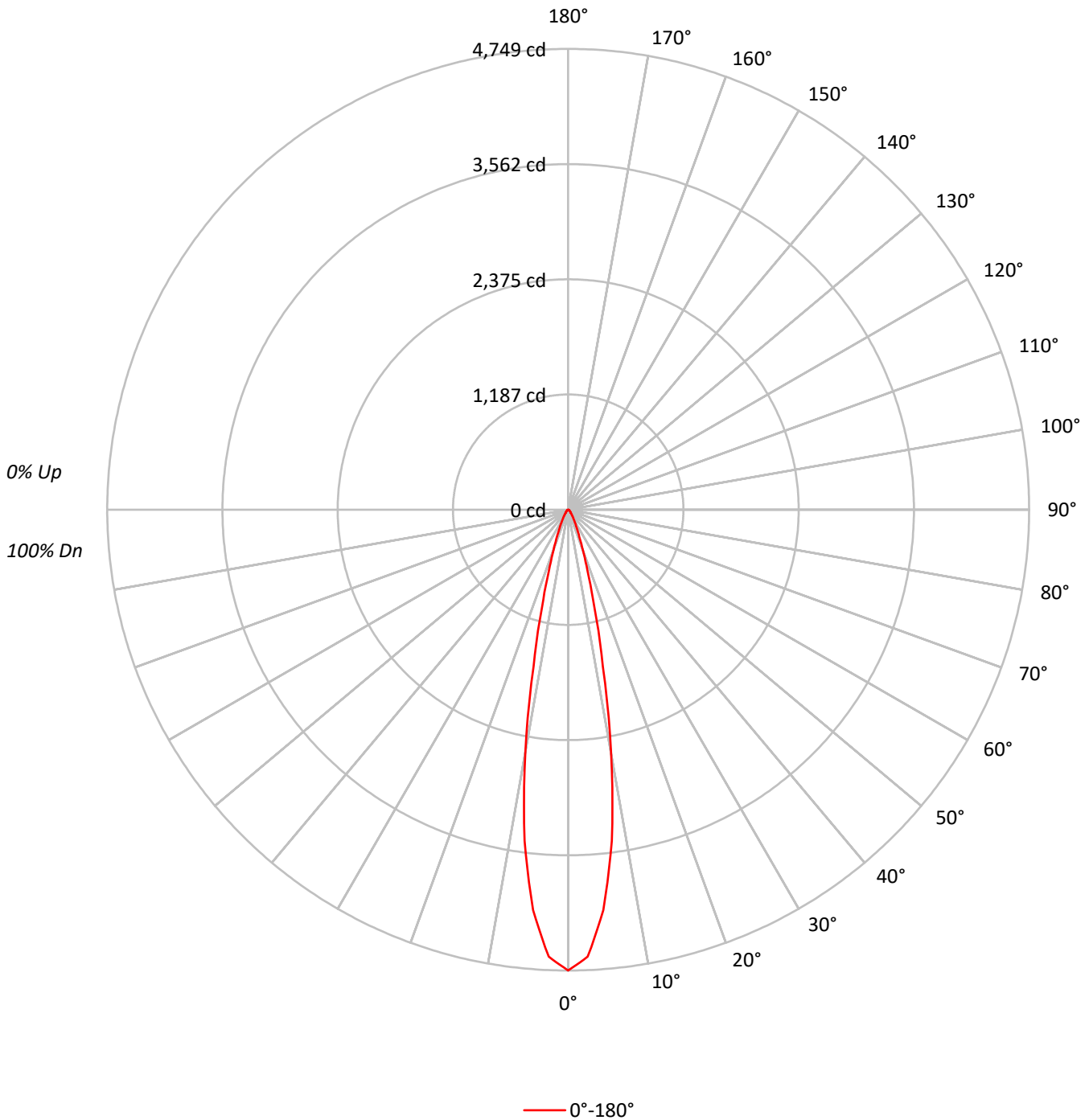
Lumens per Lamp: N/A
Luminaire Lumens: 843.4 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.35
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

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°	1851314
5°	1620736
10°	1004618
15°	419082
20°	181041
25°	90629
30°	50821
35°	31219
40°	21322
45°	15988
50°	11705
55°	8020
60°	5847
65°	3966
70°	2394
75°	1657
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.3	40.8
10°-20°	312.8	37.1
20°-30°	104.1	12.3
30°-40°	43.2	5.1
40°-50°	22.5	2.7
50°-60°	11.1	1.3
60°-70°	4.4	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°	761.1	90.2
0°-40°	804.3	95.4
0°-60°	838.0	99.4
0°-90°	843.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	843.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4749	
5°	4142	344
15°	1038	313
25°	211	104
35°	66	43
45°	29	23
55°	12	11
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4749.0
2.5°	4610.4
5°	4141.7
7.5°	3441.9
10°	2537.9
12.5°	1653.2
15°	1038.4
17.5°	654.6
20°	436.4
22.5°	297.8
25°	210.7
27.5°	152.6
30°	112.9
32.5°	86.0
35°	65.6
37.5°	51.6
40°	41.9
42.5°	34.4
45°	29.0
47.5°	23.6
50°	19.3
52.5°	15.0
55°	11.8
57.5°	9.7
60°	7.5
62.5°	5.4
65°	4.3
67.5°	3.2
70°	2.1
72.5°	2.1
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)