

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: P285919

Luminaire Tested: **L81208FL9040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285919
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-134-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L81208FL9040MB
Description: HALO, TRACK-MINI, 38D BEAM
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

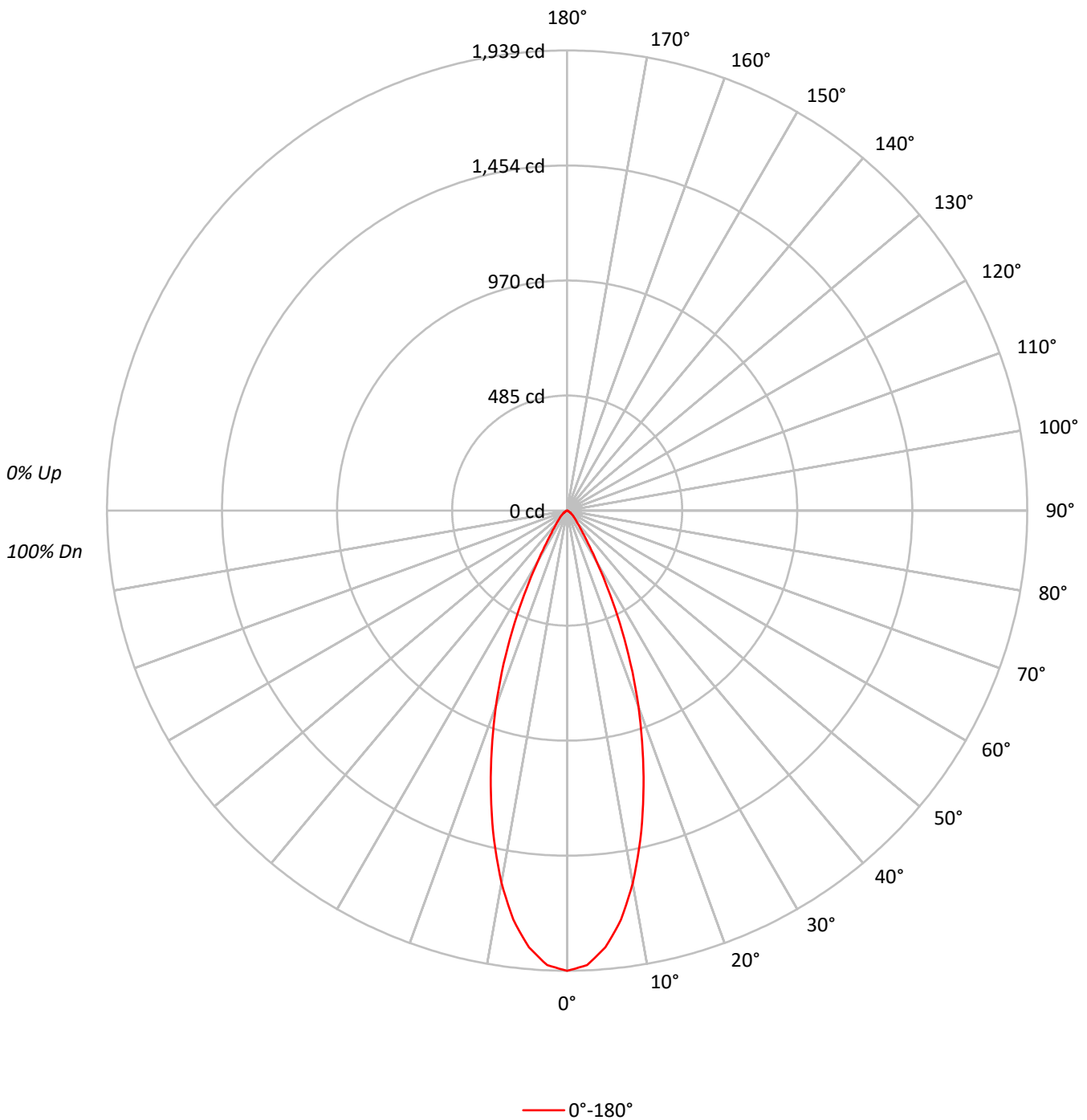
Lumens per Lamp: N/A
Luminaire Lumens: 887.3 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.62
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

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	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	92	89	93	90	87	90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	80
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	64	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	62	68	64	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	756002
5°	723123
10°	630464
15°	501090
20°	363907
25°	226293
30°	110374
35°	54633
40°	33485
45°	23982
50°	17588
55°	12098
60°	7797
65°	5166
70°	3761
75°	1657
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.3	19.0
10°-20°	340.8	38.4
20°-30°	240.4	27.1
30°-40°	79.6	9.0
40°-50°	34.5	3.9
50°-60°	16.5	1.9
60°-70°	6.0	0.7
70°-80°	1.3	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°	749.5	84.5
0°-40°	829.0	93.4
0°-60°	880.0	99.2
0°-90°	887.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	887.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1939	
5°	1848	168
15°	1242	341
25°	526	240
35°	115	80
45°	44	34
55°	18	16
65°	6	6
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1939.3
2.5°	1917.0
5°	1847.9
7.5°	1738.7
10°	1592.7
12.5°	1423.3
15°	1241.6
17.5°	1056.6
20°	877.2
22.5°	698.8
25°	526.1
27.5°	366.7
30°	245.2
32.5°	163.8
35°	114.8
37.5°	85.8
40°	65.8
42.5°	53.5
45°	43.5
47.5°	35.7
50°	29.0
52.5°	23.4
55°	17.8
57.5°	13.4
60°	10.0
62.5°	7.8
65°	5.6
67.5°	4.5
70°	3.3
72.5°	2.2
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)