

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: P285921

Luminaire Tested: **L81208NF9030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285921
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: L81208NF9030MB
Description: HALO, TRACK-MINI, 22D BEAM
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

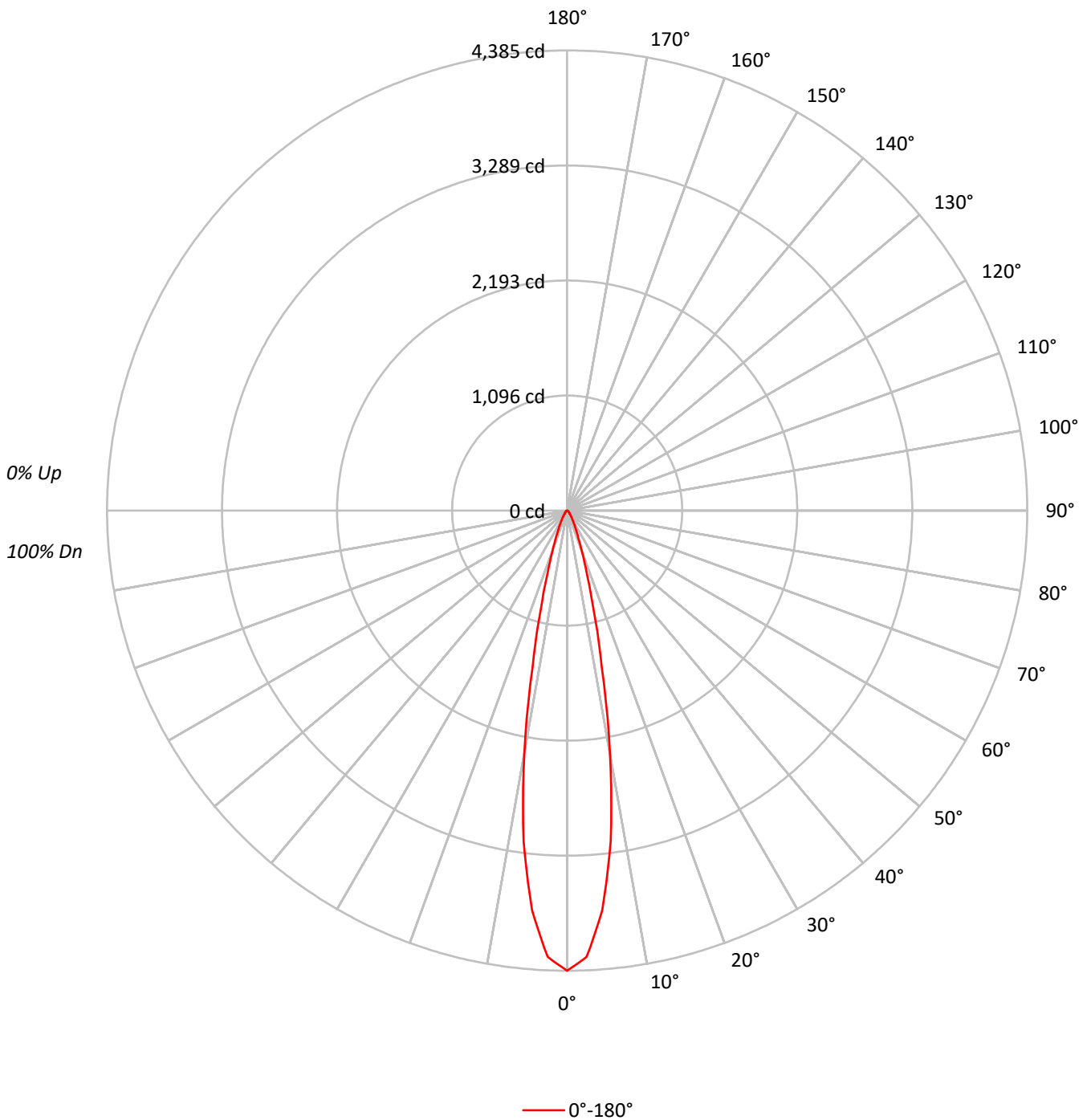
Lumens per Lamp: N/A
Luminaire Lumens: 778.8 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.35
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

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	83	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°	1709337
5°	1496413
10°	927547
15°	386916
20°	167143
25°	83661
30°	46905
35°	28792
40°	19694
45°	14775
50°	10856
55°	7408
60°	5380
65°	3690
70°	2280
75°	1506
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.9	40.8
10°-20°	288.8	37.1
20°-30°	96.1	12.3
30°-40°	39.9	5.1
40°-50°	20.8	2.7
50°-60°	10.2	1.3
60°-70°	4.1	0.5
70°-80°	1.0	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°	702.7	90.2
0°-40°	742.6	95.4
0°-60°	773.7	99.3
0°-90°	778.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	778.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4385	
5°	3824	318
15°	959	289
25°	194	96
35°	60	40
45°	27	21
55°	11	10
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4384.8
2.5°	4256.7
5°	3824.0
7.5°	3177.9
10°	2343.2
12.5°	1526.4
15°	958.7
17.5°	604.4
20°	402.9
22.5°	274.9
25°	194.5
27.5°	140.9
30°	104.2
32.5°	79.4
35°	60.5
37.5°	47.6
40°	38.7
42.5°	31.8
45°	26.8
47.5°	21.8
50°	17.9
52.5°	13.9
55°	10.9
57.5°	8.9
60°	6.9
62.5°	5.0
65°	4.0
67.5°	3.0
70°	2.0
72.5°	2.0
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)