

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: P285884

Luminaire Tested: **L811081NF9027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-111-2)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L811081NF9027MB
Description: HALO, TRACK-MINI, 22D BEAM
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

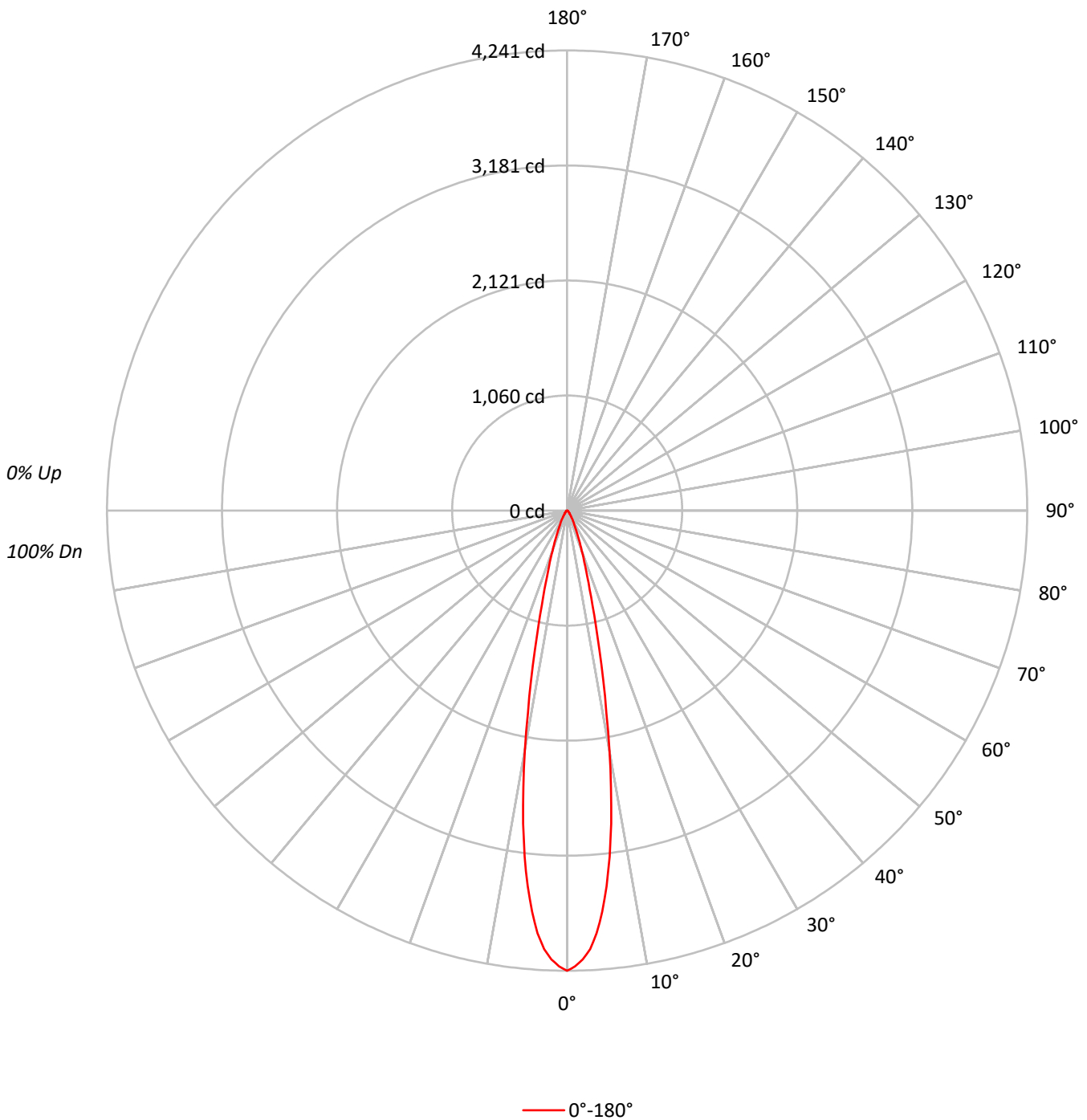
Lumens per Lamp: N/A
Luminaire Lumens: 734.9 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

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	97
2	111	108	104	102	109	106	103	101	103	101	99		100	98	97		97	96	95	93
3	108	103	99	96	106	102	98	96	99	96	94		97	95	93		95	93	91	90
4	104	99	95	92	103	98	94	91	96	93	90		94	91	89		92	90	88	87
5	101	95	91	88	100	94	91	88	93	90	87		91	89	86		90	88	86	84
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82		87	83	81		86	83	81	80
8	93	87	83	80	92	86	82	80	85	82	79		84	81	79		84	81	79	78
9	91	84	80	78	90	84	80	77	83	80	77		82	79	77		82	79	77	76
10	89	82	78	76	88	82	78	75	81	78	75		80	77	75		80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1653279
5°	1451607
10°	886379
15°	363912
20°	162912
25°	80693
30°	44879
35°	26983
40°	17404
45°	11302
50°	7702
55°	5301
60°	3820
65°	2675
70°	2280
75°	1506
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.3	41.7
10°-20°	270.7	36.8
20°-30°	92.7	12.6
30°-40°	37.2	5.1
40°-50°	16.6	2.3
50°-60°	7.4	1.0
60°-70°	3.2	0.4
70°-80°	0.8	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°	669.7	91.1
0°-40°	706.9	96.2
0°-60°	730.9	99.5
0°-90°	734.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	734.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4241	
5°	3710	306
15°	902	271
25°	188	93
35°	57	37
45°	20	17
55°	8	7
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4241.0
1°	4201.9
2°	4138.4
3°	4046.6
4°	3903.9
5°	3709.5
6°	3480.9
7°	3213.2
8°	2912.3
9°	2584.1
10°	2239.2
11°	1898.2
12°	1597.3
13°	1316.9
14°	1088.3
15°	901.7
16°	756.2
17°	638.9
18°	540.3
19°	459.2
20°	392.7
22.5°	268.7
25°	187.6
26°	163.2
27°	143.6
28°	127.0
29°	112.4
30°	99.7
32.5°	74.2
35°	56.7
37.5°	44.0
40°	34.2
42.5°	26.4
45°	20.5
47.5°	16.6
50°	12.7
52.5°	9.8
55°	7.8
57.5°	6.8
60°	4.9
62.5°	3.9
65°	2.9
67.5°	2.9
70°	2.0
72.5°	1.0



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CANDELA DISTRIBUTION (continued):

	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)