

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: P285886

Luminaire Tested: **L811081NF9035MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285886
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: L811081NF9035MB
Description: HALO, TRACK-MINI, 22D BEAM
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

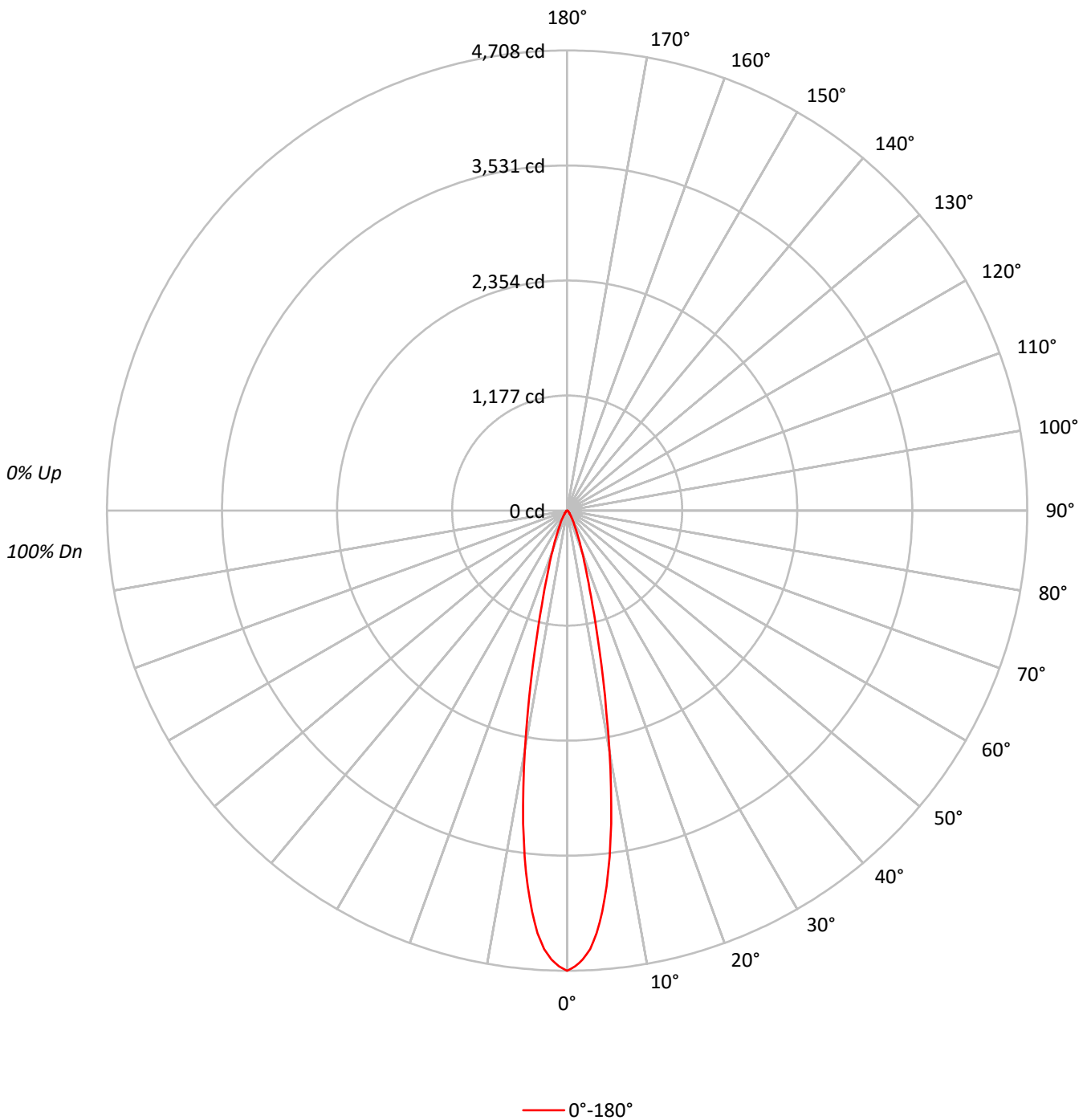
Lumens per Lamp: N/A
Luminaire Lumens: 815.9 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

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°	1835486
5°	1611618
10°	984073
15°	404028
20°	180875
25°	89597
30°	49785
35°	29934
40°	19338
45°	12570
50°	8551
55°	5913
60°	4210
65°	3044
70°	2508
75°	1657
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.1	41.7
10°-20°	300.5	36.8
20°-30°	102.9	12.6
30°-40°	41.3	5.1
40°-50°	18.4	2.3
50°-60°	8.2	1.0
60°-70°	3.6	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°	743.5	91.1
0°-40°	784.8	96.2
0°-60°	811.4	99.4
0°-90°	815.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	815.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4708	
5°	4118	340
15°	1001	301
25°	208	103
35°	63	41
45°	23	18
55°	9	8
65°	3	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4708.4
1°	4665.0
2°	4594.5
3°	4492.6
4°	4334.2
5°	4118.4
6°	3864.6
7°	3567.4
8°	3233.3
9°	2868.9
10°	2486.0
11°	2107.5
12°	1773.4
13°	1462.1
14°	1208.3
15°	1001.1
16°	839.5
17°	709.4
18°	599.8
19°	509.8
20°	436.0
22.5°	298.3
25°	208.3
26°	181.1
27°	159.4
28°	141.0
29°	124.7
30°	110.6
32.5°	82.4
35°	62.9
37.5°	48.8
40°	38.0
42.5°	29.3
45°	22.8
47.5°	18.4
50°	14.1
52.5°	10.8
55°	8.7
57.5°	7.6
60°	5.4
62.5°	4.3
65°	3.3
67.5°	3.3
70°	2.2
72.5°	1.1



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CANDELA DISTRIBUTION (continued):

	0°
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)