

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: P285880

Luminaire Tested: **L811081FL9027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-111-3)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L811081FL9027MB
Description: HALO, TRACK-MINI, 38D BEAM
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver:

Summary

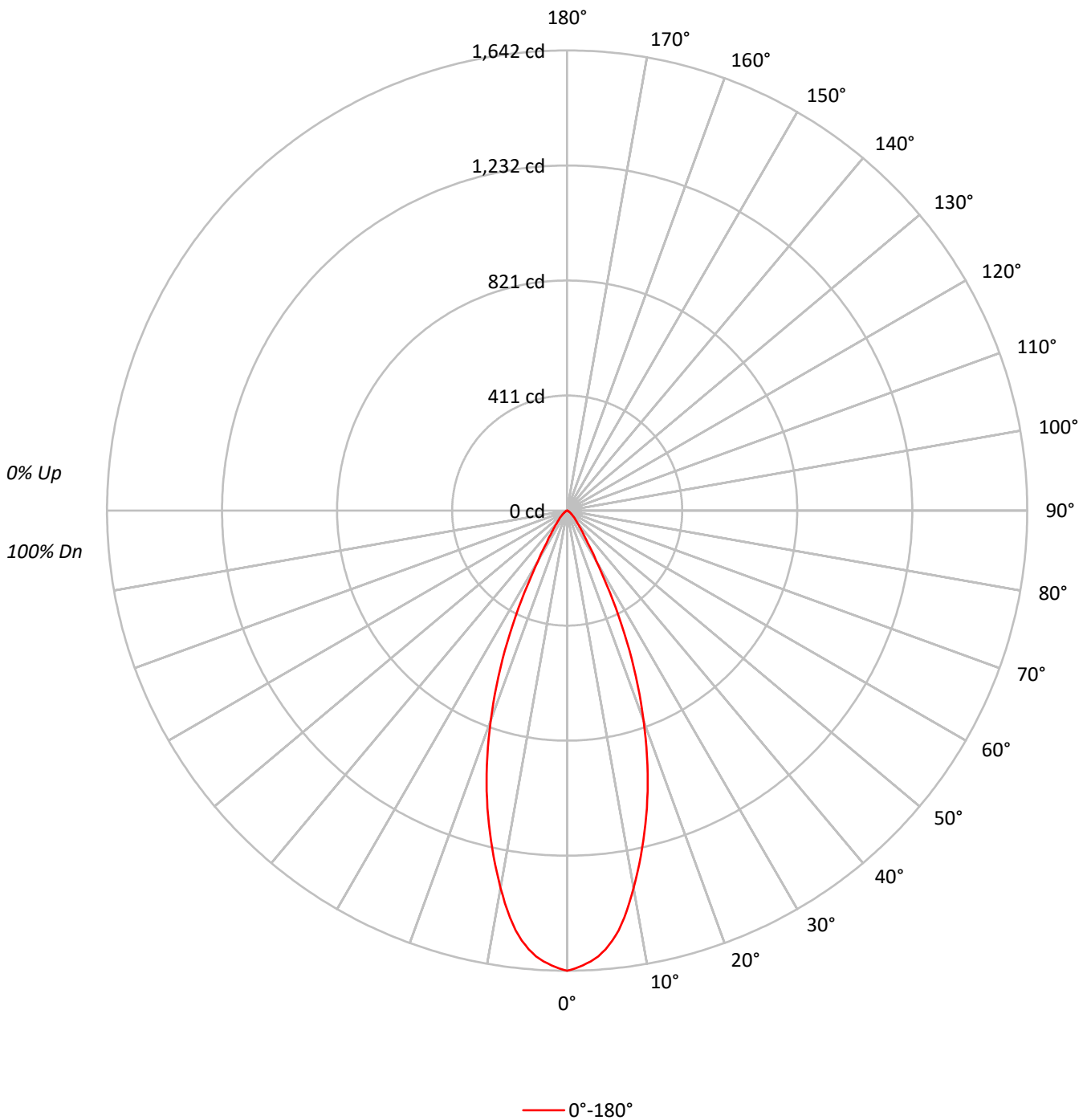
Lumens per Lamp: N/A
Luminaire Lumens: 773.1 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.63 / 0.63 / 0.63
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

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	110	108	106	105	104	102		102	101	99		98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	85	79	76	91	84	79	75	82	78	75		81	77	74		80	76	74	73
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77	73	70	69
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65		72	67	65		71	67	64	63
10	79	71	66	62	78	70	65	62	69	65	62		69	65	62		68	64	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	640105
5°	615040
10°	541320
15°	443499
20°	330678
25°	207969
30°	93674
35°	46019
40°	28345
45°	19406
50°	13039
55°	8632
60°	5302
65°	3597
70°	2280
75°	1506
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.5	18.6
10°-20°	301.0	38.9
20°-30°	217.2	28.1
30°-40°	67.1	8.7
40°-50°	27.9	3.6
50°-60°	11.6	1.5
60°-70°	4.0	0.5
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°	661.7	85.6
0°-40°	728.8	94.3
0°-60°	768.4	99.4
0°-90°	773.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1642	
5°	1572	144
15°	1099	301
25°	484	217
35°	97	67
45°	35	28
55°	13	12
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1642.0
1°	1634.2
2°	1623.5
3°	1610.8
4°	1594.2
5°	1571.7
6°	1543.4
7°	1509.2
8°	1466.2
9°	1418.3
10°	1367.5
11°	1314.8
12°	1262.0
13°	1208.3
14°	1153.6
15°	1098.9
16°	1041.3
17°	982.7
18°	921.1
19°	859.6
20°	797.1
21°	735.5
22°	672.0
23°	609.5
24°	546.0
25°	483.5
26°	419.1
27°	358.5
28°	301.8
29°	251.0
30°	208.1
32.5°	137.7
35°	96.7
37.5°	72.3
40°	55.7
42.5°	44.0
45°	35.2
47.5°	28.3
50°	21.5
52.5°	16.6
55°	12.7
57.5°	8.8
60°	6.8
62.5°	4.9
65°	3.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.9
70°	2.0
72.5°	1.0
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)