

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: P285888

Luminaire Tested: **L811081SP9027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-111-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L811081SP9027MB
Description: HALO, TRACK-MINI, 15D BEAM
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

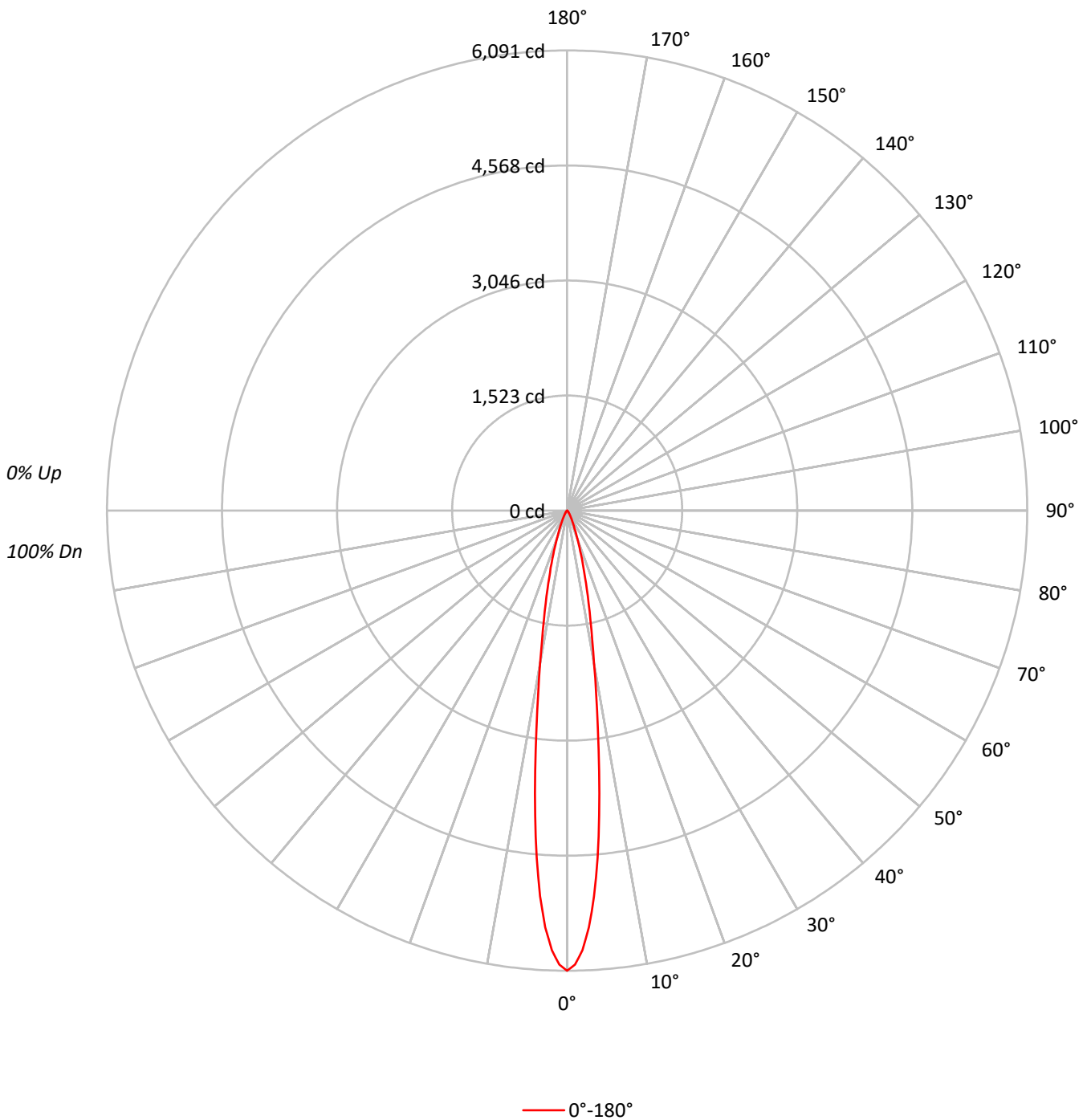
Lumens per Lamp: N/A
Luminaire Lumens: 749.6 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.29
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

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	110	113	111	109	108	107	106	105		103	102	102		100	99	99	97
2	112	108	105	103	110	107	104	102	103	101	100		101	99	98		98	97	96	94
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96	94	93	91
4	105	100	96	94	104	99	96	93	97	94	92		95	93	91		94	92	90	89
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90	87	85	84
7	97	91	87	85	96	91	87	84	90	86	84		89	86	84		88	85	83	82
8	95	89	85	82	94	88	85	82	88	84	82		87	84	82		86	83	81	80
9	93	87	83	80	92	86	83	80	86	82	80		85	82	80		84	82	80	79
10	91	85	81	79	90	84	81	78	84	81	78		83	80	78		83	80	78	77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2374313
5°	1805518
10°	813978
15°	368795
20°	162580
25°	73983
30°	38712
35°	20939
40°	11959
45°	7553
50°	5337
55°	3330
60°	2261
65°	1845
70°	1140
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.5	46.6
10°-20°	265.0	35.3
20°-30°	87.3	11.6
30°-40°	29.3	3.9
40°-50°	11.1	1.5
50°-60°	4.8	0.6
60°-70°	2.2	0.3
70°-80°	0.4	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°	701.8	93.6
0°-40°	731.2	97.5
0°-60°	747.1	99.7
0°-90°	749.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	749.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6091	
5°	4614	350
15°	914	265
25°	172	87
35°	44	29
45°	14	11
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6090.6
1°	6011.4
2°	5820.9
3°	5524.7
4°	5118.2
5°	4613.9
6°	4056.8
7°	3477.3
8°	2916.3
9°	2437.4
10°	2056.3
11°	1742.5
12°	1481.6
13°	1259.8
14°	1073.1
15°	913.8
17.5°	604.0
20°	391.9
22.5°	258.0
25°	172.0
27.5°	120.2
30°	86.0
32.5°	61.6
35°	44.0
37.5°	31.3
40°	23.5
42.5°	17.6
45°	13.7
47.5°	10.8
50°	8.8
52.5°	6.8
55°	4.9
57.5°	3.9
60°	2.9
62.5°	2.9
65°	2.0
67.5°	2.0
70°	1.0
72.5°	1.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)