

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: P184312

Luminaire Tested: **L80808FL9027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27060)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80808FL9027MB
Description: HALO TRACK L LED 08, 850 LM, FLOOD, MATTE BLACK

Light Source: EATON LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 822.0 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.62
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

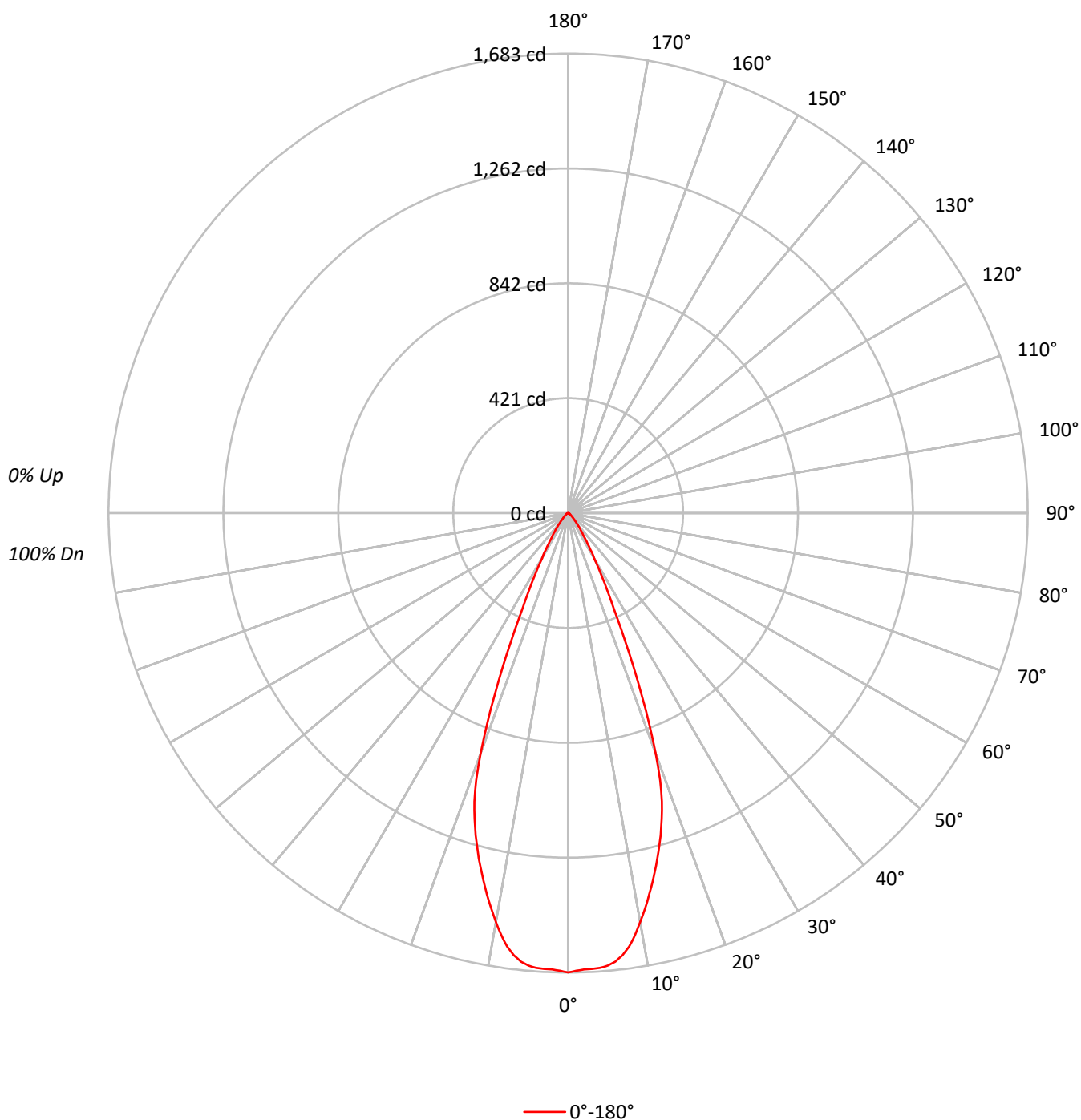
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	368984
5°	366211
10°	338582
15°	290671
20°	219142
25°	102877
30°	48514
35°	25002
40°	13912
45°	7970
50°	5219
55°	3632
60°	2938
65°	2958
70°	3077
75°	2457
80°	2399
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	18.8
10°-20°	350.8	42.7
20°-30°	213.2	25.9
30°-40°	63.1	7.7
40°-50°	21.5	2.6
50°-60°	9.2	1.1
60°-70°	5.7	0.7
70°-80°	3.4	0.4
80°-90°	0.5	0.1
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°	718.5	87.4
0°-40°	781.7	95.1
0°-60°	812.4	98.8
0°-90°	822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	822.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1683	
5°	1664	155
15°	1280	351
25°	425	213
35°	93	63
45°	26	22
55°	10	9
65°	6	6
75°	3	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1682.7
1°	1677.0
2°	1673.2
3°	1672.2
4°	1670.3
5°	1663.7
6°	1652.2
7°	1632.2
8°	1603.6
9°	1565.5
10°	1520.6
11°	1475.8
12°	1428.2
13°	1380.5
14°	1331.9
15°	1280.4
16°	1228.0
17°	1171.7
18°	1110.7
19°	1035.4
20°	939.1
21°	830.4
22°	719.8
23°	614.9
24°	514.8
25°	425.2
26°	360.4
27°	311.8
28°	267.9
29°	227.9
30°	191.6
32.5°	132.5
35°	93.4
37.5°	66.7
40°	48.6
42.5°	35.3
45°	25.7
47.5°	20.0
50°	15.3
52.5°	12.4
55°	9.5
57.5°	8.6
60°	6.7
62.5°	6.7
65°	5.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.8
70°	4.8
72.5°	3.8
75°	2.9
77.5°	2.9
80°	1.9
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)