

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: P184304

Luminaire Tested: **L80808SP9027P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27054)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80808SP9027P
Description: HALO TRACK L LED 08, 850 LM, SPOT, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 918.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

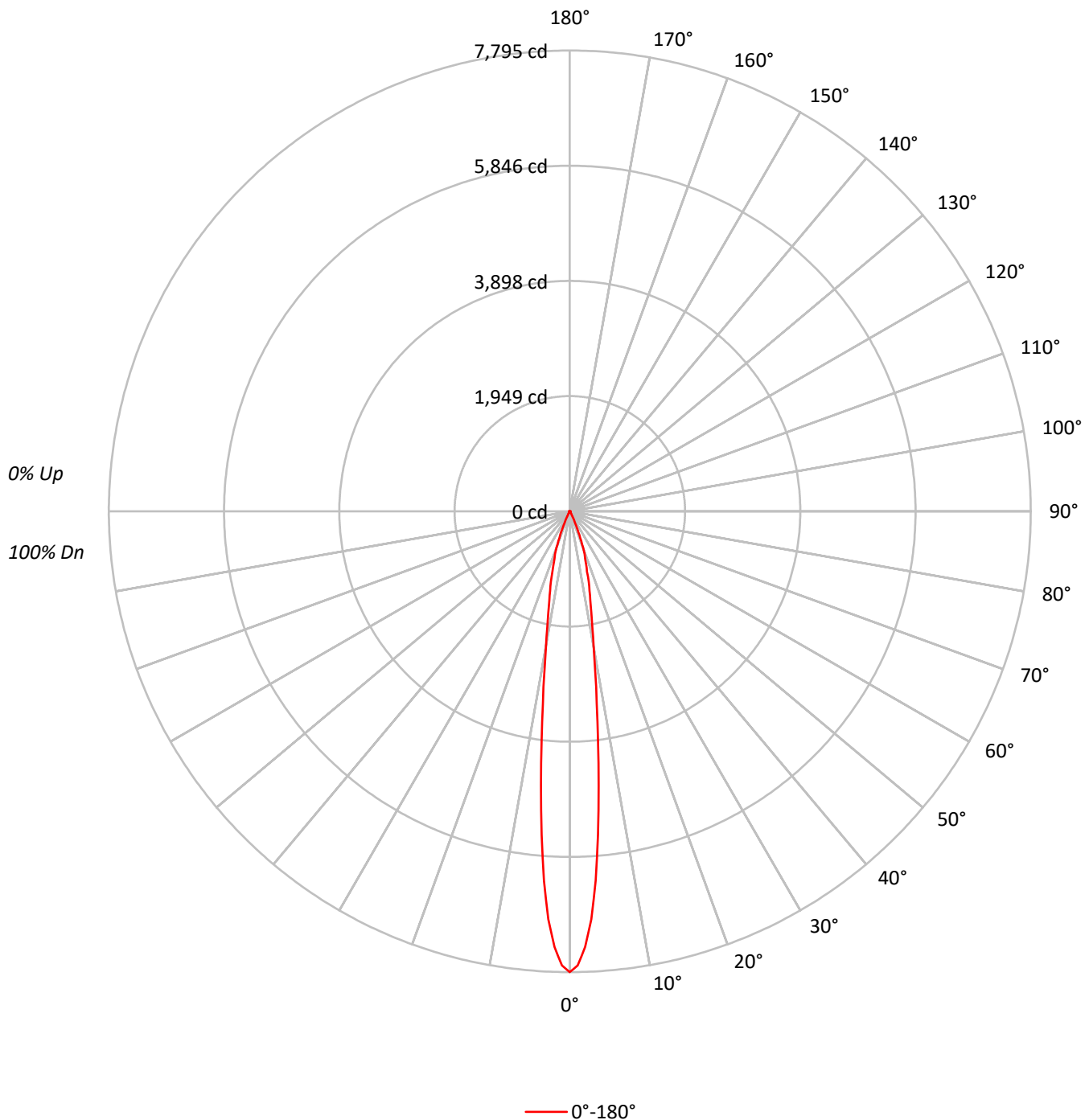
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P184304

CATALOG NUMBER: L80808SP9027P

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	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	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96								
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	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	92	96	93	91	94	92	90	93	90	89	87								
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	91	88	86	85								
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83								
7	97	90	86	84	95	90	86	83	89	85	83	88	85	83	87	84	82	81								
8	94	88	84	81	93	87	84	81	87	83	81	86	83	81	85	82	80	79								
9	92	86	82	79	91	85	82	79	85	81	79	84	81	79	83	81	79	78								
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	82	79	77	76								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1709227
5°	1208427
10°	515421
15°	279548
20°	151727
25°	46478
30°	11394
35°	7495
40°	4294
45°	2481
50°	4435
55°	3823
60°	3947
65°	3113
70°	3206
75°	5083
80°	11365
85°	17612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.2	44.7
10°-20°	344.6	37.5
20°-30°	107.2	11.7
30°-40°	17.2	1.9
40°-50°	9.5	1.0
50°-60°	8.7	1.0
60°-70°	6.5	0.7
70°-80°	6.9	0.7
80°-90°	7.2	0.8
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°	861.9	93.9
0°-40°	879.2	95.8
0°-60°	897.4	97.8
0°-90°	918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	918.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7795	
5°	5490	410
15°	1231	345
25°	192	107
35°	28	17
45°	8	10
55°	10	9
65°	6	6
75°	6	7
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7794.7
1°	7683.6
2°	7373.5
3°	6911.4
4°	6260.1
5°	5489.9
6°	4665.6
7°	3899.3
8°	3281.1
9°	2732.9
10°	2314.8
11°	1995.7
12°	1748.6
13°	1546.5
14°	1384.5
15°	1231.4
16°	1057.4
17°	942.3
18°	843.3
19°	766.3
20°	650.2
21°	537.2
22°	433.1
23°	341.1
24°	263.1
25°	192.1
26°	140.0
27°	101.0
28°	89.0
29°	56.0
30°	45.0
32.5°	25.0
35°	28.0
37.5°	28.0
40°	15.0
42.5°	22.0
45°	8.0
47.5°	6.0
50°	13.0
52.5°	9.0
55°	10.0
57.5°	9.0
60°	9.0
62.5°	5.0
65°	6.0



TEST NUMBER: P184304

CATALOG NUMBER: L80808SP9027P

CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.0
70°	5.0
72.5°	7.0
75°	6.0
77.5°	6.0
80°	9.0
82.5°	5.0
85°	7.0
87.5°	10.0
90°	0.0

(END OF REPORT)