

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: P184303

Luminaire Tested: **L80808SP9027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184303
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: L80808SP9027MB
Description: HALO TRACK L LED 08, 850 LM, SPOT, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 828.9 lumens
Efficiency: N/A
Efficacy: 69.7 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

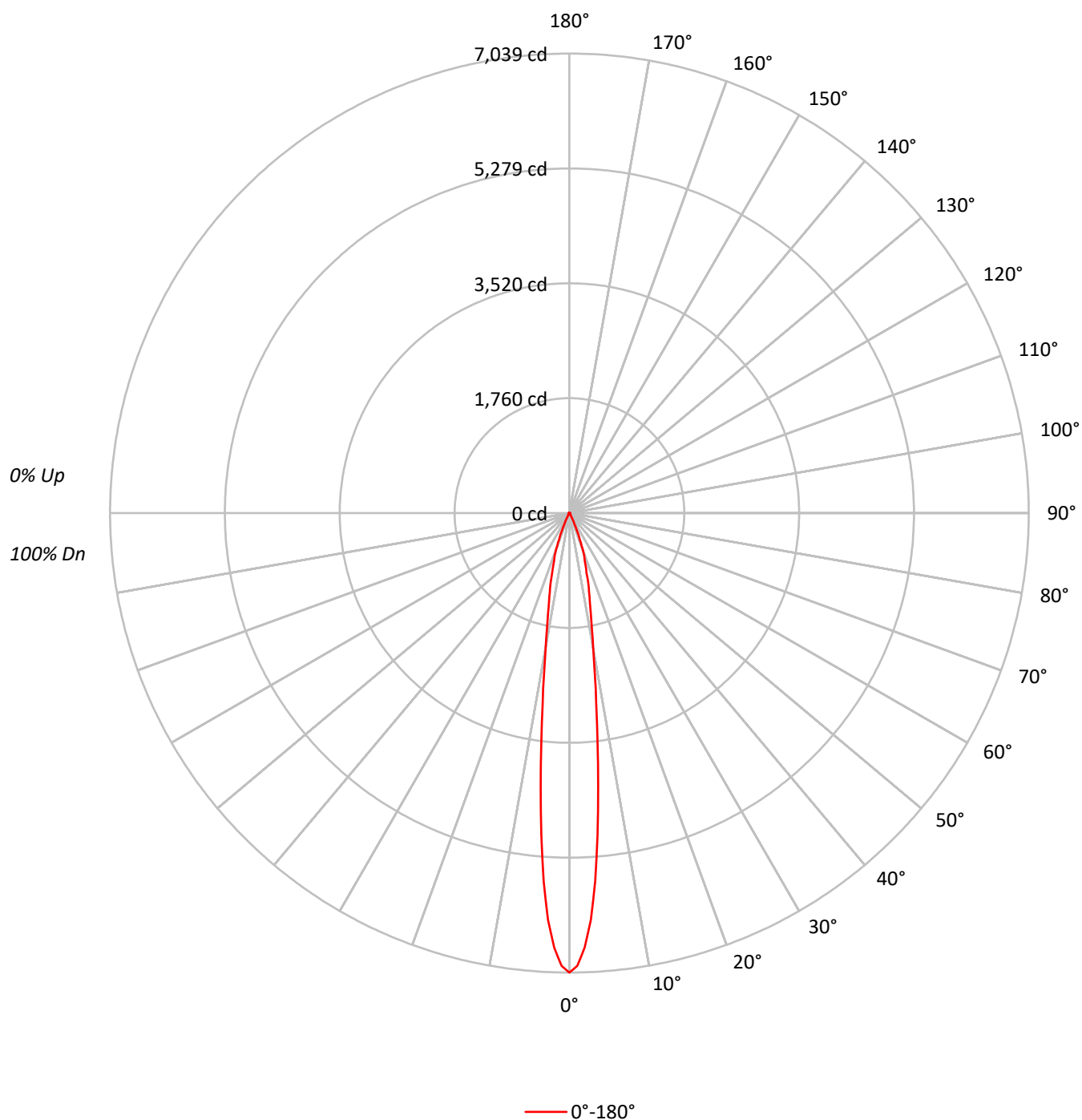
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P184303

CATALOG NUMBER: L80808SP9027MB

Luminous Intensity Polar Plot





TEST NUMBER: P184303

CATALOG NUMBER: L80808SP9027MB

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	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	88
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°	1543517
5°	1091258
10°	465456
15°	252442
20°	137025
25°	41954
30°	10305
35°	6773
40°	3893
45°	2233
50°	3991
55°	3441
60°	3552
65°	2802
70°	2885
75°	4575
80°	10229
85°	15851



TEST NUMBER: P184303

CATALOG NUMBER: L80808SP9027MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.4	44.7
10°-20°	311.2	37.5
20°-30°	96.8	11.7
30°-40°	15.6	1.9
40°-50°	8.6	1.0
50°-60°	7.9	0.9
60°-70°	5.8	0.7
70°-80°	6.2	0.7
80°-90°	6.5	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°	778.4	93.9
0°-40°	793.9	95.8
0°-60°	810.4	97.8
0°-90°	828.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	828.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7039	
5°	4958	370
15°	1112	311
25°	173	97
35°	25	16
45°	7	9
55°	9	8
65°	5	6
75°	5	6
85°	6	7
90°	0	



TEST NUMBER: P184303

CATALOG NUMBER: L80808SP9027MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	7039.0
1°	6938.7
2°	6658.7
3°	6241.3
4°	5653.2
5°	4957.6
6°	4213.3
7°	3521.3
8°	2963.0
9°	2468.0
10°	2090.4
11°	1802.2
12°	1579.1
13°	1396.6
14°	1250.2
15°	1112.0
16°	954.9
17°	851.0
18°	761.5
19°	692.0
20°	587.2
21°	485.1
22°	391.2
23°	308.0
24°	237.6
25°	173.4
26°	126.5
27°	91.2
28°	80.4
29°	50.6
30°	40.7
32.5°	22.6
35°	25.3
37.5°	25.3
40°	13.6
42.5°	19.9
45°	7.2
47.5°	5.4
50°	11.7
52.5°	8.1
55°	9.0
57.5°	8.1
60°	8.1
62.5°	4.5
65°	5.4



TEST NUMBER: P184303

CATALOG NUMBER: L80808SP9027MB

CANDELA DISTRIBUTION (continued):

	0°
67.5°	7.2
70°	4.5
72.5°	6.3
75°	5.4
77.5°	5.4
80°	8.1
82.5°	4.5
85°	6.3
87.5°	9.0
90°	0.0

(END OF REPORT)