

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: P285924

Luminaire Tested: **L81208SP9027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-134-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L81208SP9027MB
Description: HALO, TRACK-MINI, 15D BEAM
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

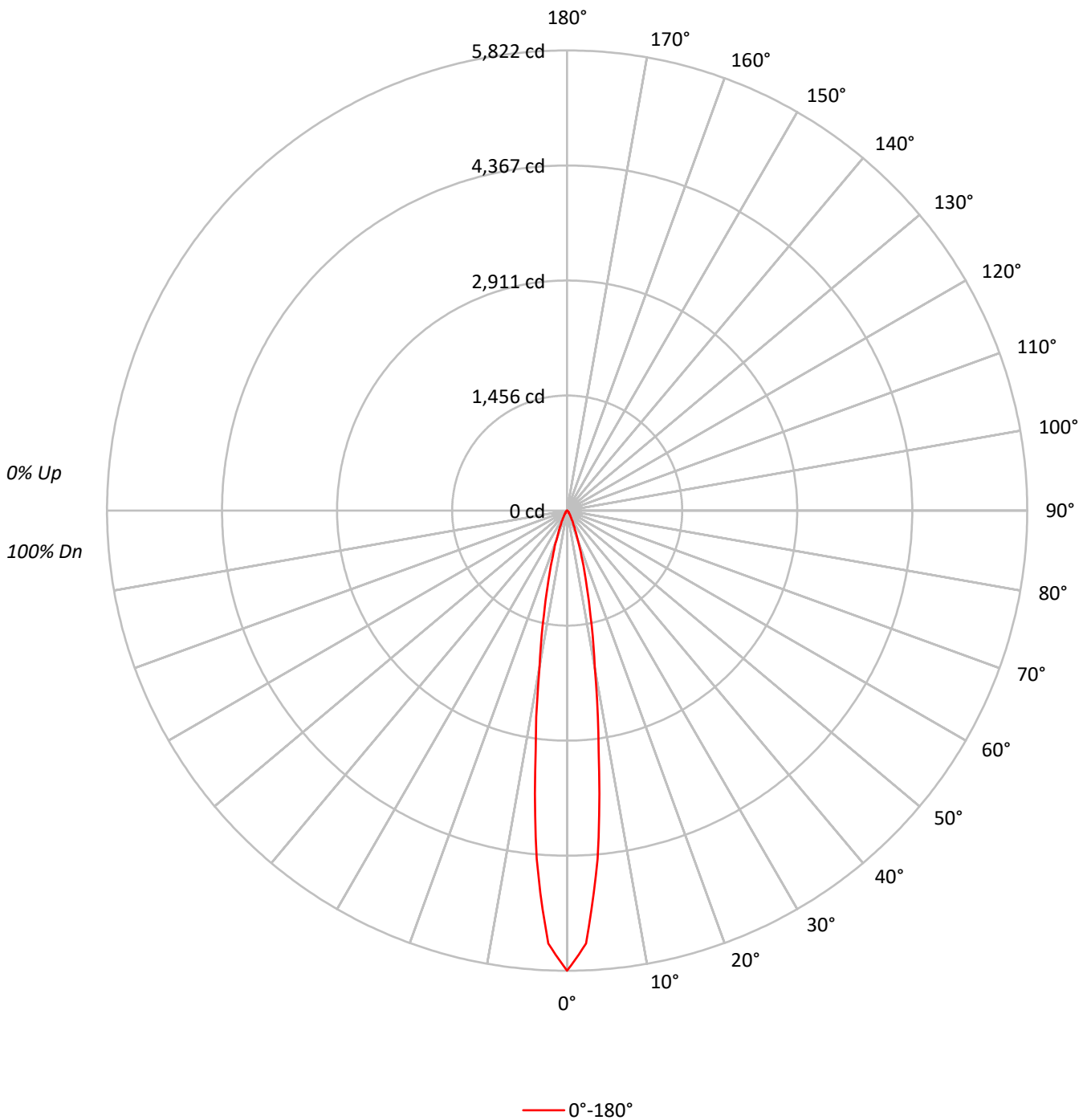
Lumens per Lamp: N/A
Luminaire Lumens: 755.2 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.29
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P285924
CATALOG NUMBER: L81208SP9027MB

Luminous Intensity Polar Plot





TEST NUMBER: P285924

CATALOG NUMBER: L81208SP9027MB

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	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	100	96	93	103	98	95	92	96	94	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	92	89	94	90	88	92	89	87	91	88	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83
7	97	90	86	83	95	90	86	83	89	85	83	88	85	82	87	84	82	81
8	94	88	84	81	93	87	84	81	86	83	81	86	83	80	85	82	80	79
9	92	86	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	77
10	90	84	80	77	89	83	80	77	83	79	77	82	79	77	81	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2269409
5°	1731754
10°	796284
15°	366010
20°	164903
25°	76779
30°	40828
35°	23890
40°	15216
45°	11192
50°	7581
55°	5233
60°	3742
65°	2675
70°	2166
75°	1506
80°	0
85°	0



TEST NUMBER: P285924

CATALOG NUMBER: L81208SP9027MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.9	45.0
10°-20°	265.7	35.2
20°-30°	89.8	11.9
30°-40°	33.1	4.4
40°-50°	15.7	2.1
50°-60°	7.3	1.0
60°-70°	3.0	0.4
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°	695.4	92.1
0°-40°	728.5	96.5
0°-60°	751.5	99.5
0°-90°	755.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	755.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5822	
5°	4425	340
15°	907	266
25°	178	90
35°	50	33
45°	20	16
55°	8	7
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P285924

CATALOG NUMBER: L81208SP9027MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	5821.5
2.5°	5481.9
5°	4425.4
7.5°	3056.4
10°	2011.6
12.5°	1355.5
15°	906.9
17.5°	602.0
20°	397.5
22.5°	263.4
25°	178.5
27.5°	124.5
30°	90.7
32.5°	67.5
35°	50.2
37.5°	37.6
40°	29.9
42.5°	24.1
45°	20.3
47.5°	16.4
50°	12.5
52.5°	10.6
55°	7.7
57.5°	5.8
60°	4.8
62.5°	3.9
65°	2.9
67.5°	1.9
70°	1.9
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)