

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: P285890

Luminaire Tested: **L811081SP9035MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P285890  
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: L811081SP9035MB  
Description: HALO, TRACK-MINI, 15D BEAM  
Light Source: (1) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

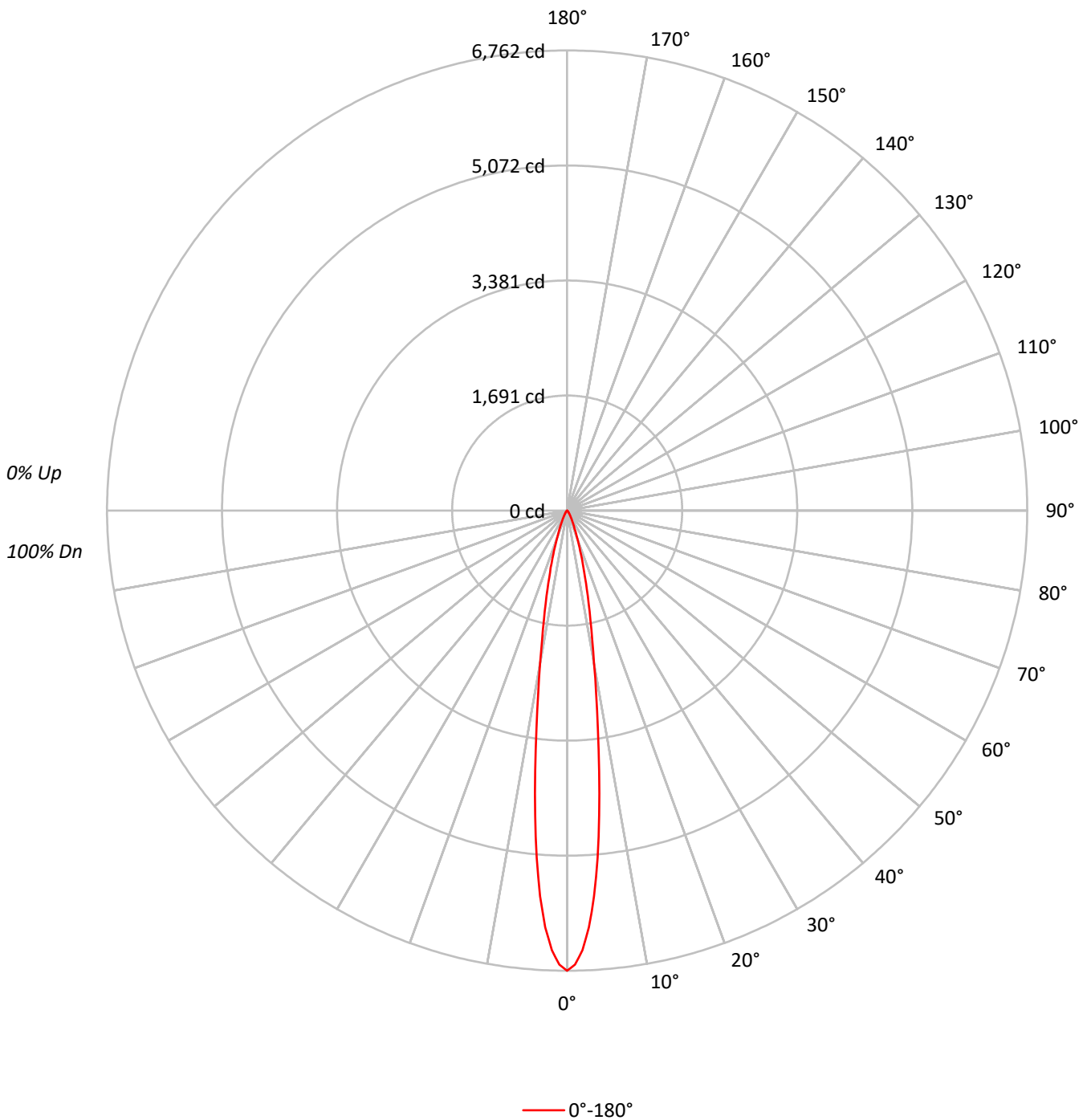
Lumens per Lamp: N/A  
Luminaire Lumens: 832.2 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.29  
Luminous Opening: Circular (Dia: 0.19' x H: 0')  
CIE Type: Direct

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: P285890  
CATALOG NUMBER: L811081SP9035MB

### Luminous Intensity Polar Plot





TEST NUMBER: P285890

CATALOG NUMBER: L811081SP9035MB

**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°	2635929
5°	2004466
10°	903637
15°	409436
20°	180502
25°	82155
30°	42988
35°	23224
40°	13231
45°	8380
50°	5943
55°	3670
60°	2573
65°	2029
70°	1254
75°	0
80°	0
85°	0



TEST NUMBER: P285890

CATALOG NUMBER: L811081SP9035MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	388.1	46.6
10°-20°	294.2	35.3
20°-30°	97.0	11.7
30°-40°	32.6	3.9
40°-50°	12.3	1.5
50°-60°	5.3	0.6
60°-70°	2.4	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°	779.2	93.6
0°-40°	811.7	97.5
0°-60°	829.4	99.7
0°-90°	832.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	832.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6762	
5°	5122	388
15°	1014	294
25°	191	97
35°	49	33
45°	15	12
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P285890

CATALOG NUMBER: L811081SP9035MB

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6761.7
1°	6673.9
2°	6462.3
3°	6133.5
4°	5682.2
5°	5122.3
6°	4503.8
7°	3860.4
8°	3237.6
9°	2706.0
10°	2282.8
11°	1934.6
12°	1644.9
13°	1398.6
14°	1191.3
15°	1014.5
17.5°	670.5
20°	435.1
22.5°	286.4
25°	191.0
27.5°	133.5
30°	95.5
32.5°	68.4
35°	48.8
37.5°	34.7
40°	26.0
42.5°	19.5
45°	15.2
47.5°	11.9
50°	9.8
52.5°	7.6
55°	5.4
57.5°	4.3
60°	3.3
62.5°	3.3
65°	2.2
67.5°	2.2
70°	1.1
72.5°	1.1
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P285890

CATALOG NUMBER: L811081SP9035MB

CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)