

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: P285889

Luminaire Tested: **L811081SP9030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285889
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: L811081SP9030MB
Description: HALO, TRACK-MINI, 15D BEAM
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

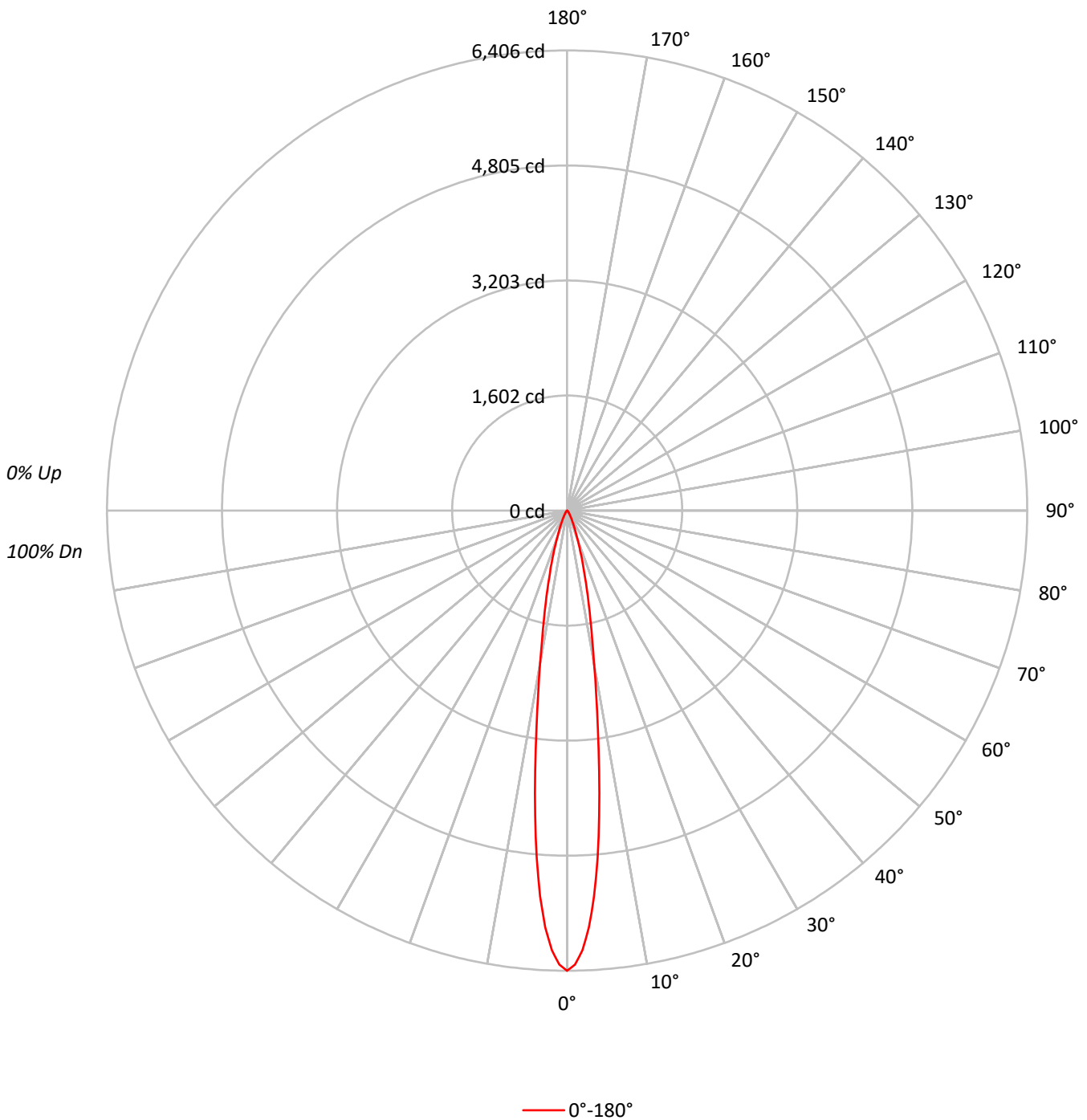
Lumens per Lamp: N/A
Luminaire Lumens: 788.4 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.29
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

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: P285889
CATALOG NUMBER: L811081SP9030MB

Luminous Intensity Polar Plot





TEST NUMBER: P285889

CATALOG NUMBER: L811081SP9030MB

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97		97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94		94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91		91
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89		89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	88	87		87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84		84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82		82
8	95	89	85	82	94	88	85	82	88	84	82	87	84	82	86	83	81	80		80
9	93	87	83	80	92	86	83	80	86	82	80	85	82	80	84	82	80	79		79
10	91	85	81	79	90	84	81	78	84	81	78	83	80	78	83	80	78	77		77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2497227
5°	1898965
10°	856096
15°	387885
20°	171002
25°	77811
30°	40738
35°	22034
40°	12570
45°	7939
50°	5640
55°	3466
60°	2417
65°	1937
70°	1140
75°	0
80°	0
85°	0



TEST NUMBER: P285889

CATALOG NUMBER: L811081SP9030MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.6	46.6
10°-20°	278.7	35.3
20°-30°	91.9	11.7
30°-40°	30.9	3.9
40°-50°	11.7	1.5
50°-60°	5.0	0.6
60°-70°	2.3	0.3
70°-80°	0.4	0.0
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°	738.2	93.6
0°-40°	769.0	97.5
0°-60°	785.7	99.7
0°-90°	788.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	788.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6406	
5°	4853	368
15°	961	279
25°	181	92
35°	46	31
45°	14	12
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P285889

CATALOG NUMBER: L811081SP9030MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	6405.9
1°	6322.6
2°	6122.2
3°	5810.7
4°	5383.1
5°	4852.7
6°	4266.8
7°	3657.3
8°	3067.2
9°	2563.6
10°	2162.7
11°	1832.7
12°	1558.3
13°	1325.0
14°	1128.6
15°	961.1
17.5°	635.2
20°	412.2
22.5°	271.4
25°	180.9
27.5°	126.4
30°	90.5
32.5°	64.8
35°	46.3
37.5°	32.9
40°	24.7
42.5°	18.5
45°	14.4
47.5°	11.3
50°	9.3
52.5°	7.2
55°	5.1
57.5°	4.1
60°	3.1
62.5°	3.1
65°	2.1
67.5°	2.1
70°	1.0
72.5°	1.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P285889

CATALOG NUMBER: L811081SP9030MB

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)