

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: P184086

Luminaire Tested: **L80815SP9027P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184086
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: L80815SP9027P
Description: HALO TRACK L LED 08, 1500 LM, SPOT, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1373.1 lumens
Efficiency: N/A
Efficacy: 66.3 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

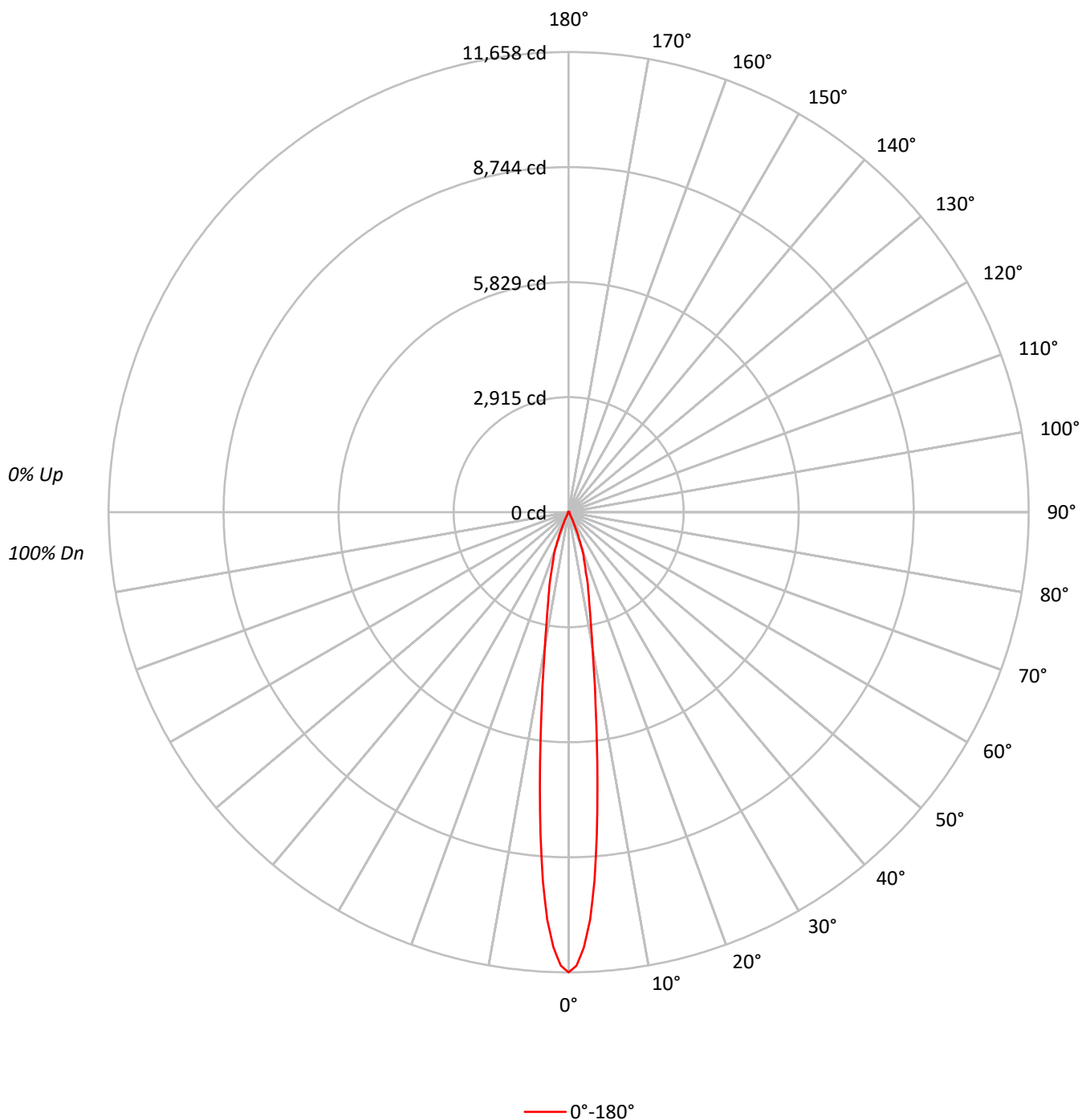
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P184086

CATALOG NUMBER: L80815SP9027P

Luminous Intensity Polar Plot





TEST NUMBER: P184086

CATALOG NUMBER: L80815SP9027P

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					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	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	83	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°	2556374
5°	1807369
10°	770883
15°	418118
20°	226936
25°	69512
30°	17041
35°	11216
40°	6412
45°	3721
50°	6618
55°	5735
60°	5921
65°	4670
70°	4809
75°	7625
80°	17048
85°	26418



TEST NUMBER: P184086

CATALOG NUMBER: L80815SP9027P

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	613.5	44.7
10°-20°	515.4	37.5
20°-30°	160.3	11.7
30°-40°	25.8	1.9
40°-50°	14.3	1.0
50°-60°	13.1	1.0
60°-70°	9.7	0.7
70°-80°	10.3	0.8
80°-90°	10.8	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°	1289.1	93.9
0°-40°	1314.9	95.8
0°-60°	1342.3	97.8
0°-90°	1373.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1373.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11658	
5°	8211	613
15°	1842	515
25°	287	160
35°	42	26
45°	12	14
55°	15	13
65°	9	10
75°	9	10
85°	10	11
90°	0	



TEST NUMBER: P184086

CATALOG NUMBER: L80815SP9027P

CANDELA DISTRIBUTION (FULL):

	0°
0°	11658.0
1°	11492.0
2°	11028.1
3°	10336.9
4°	9362.9
5°	8210.9
6°	6978.1
7°	5832.0
8°	4907.4
9°	4087.5
10°	3462.1
11°	2984.8
12°	2615.3
13°	2313.1
14°	2070.7
15°	1841.8
16°	1581.4
17°	1409.4
18°	1261.3
19°	1146.1
20°	972.5
21°	803.4
22°	647.8
23°	510.2
24°	393.5
25°	287.3
26°	209.5
27°	151.1
28°	133.2
29°	83.8
30°	67.3
32.5°	37.4
35°	41.9
37.5°	41.9
40°	22.4
42.5°	32.9
45°	12.0
47.5°	9.0
50°	19.4
52.5°	13.5
55°	15.0
57.5°	13.5
60°	13.5
62.5°	7.5
65°	9.0



TEST NUMBER: P184086

CATALOG NUMBER: L80815SP9027P

CANDELA DISTRIBUTION (continued):

	0°
67.5°	12.0
70°	7.5
72.5°	10.5
75°	9.0
77.5°	9.0
80°	13.5
82.5°	7.5
85°	10.5
87.5°	15.0
90°	0.0

(END OF REPORT)