

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: P184313

Luminaire Tested: **L80808FL9027P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27060)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80808FL9027P
Description: HALO TRACK L LED 08, 850 LM, FLOOD, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 862.0 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.62
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

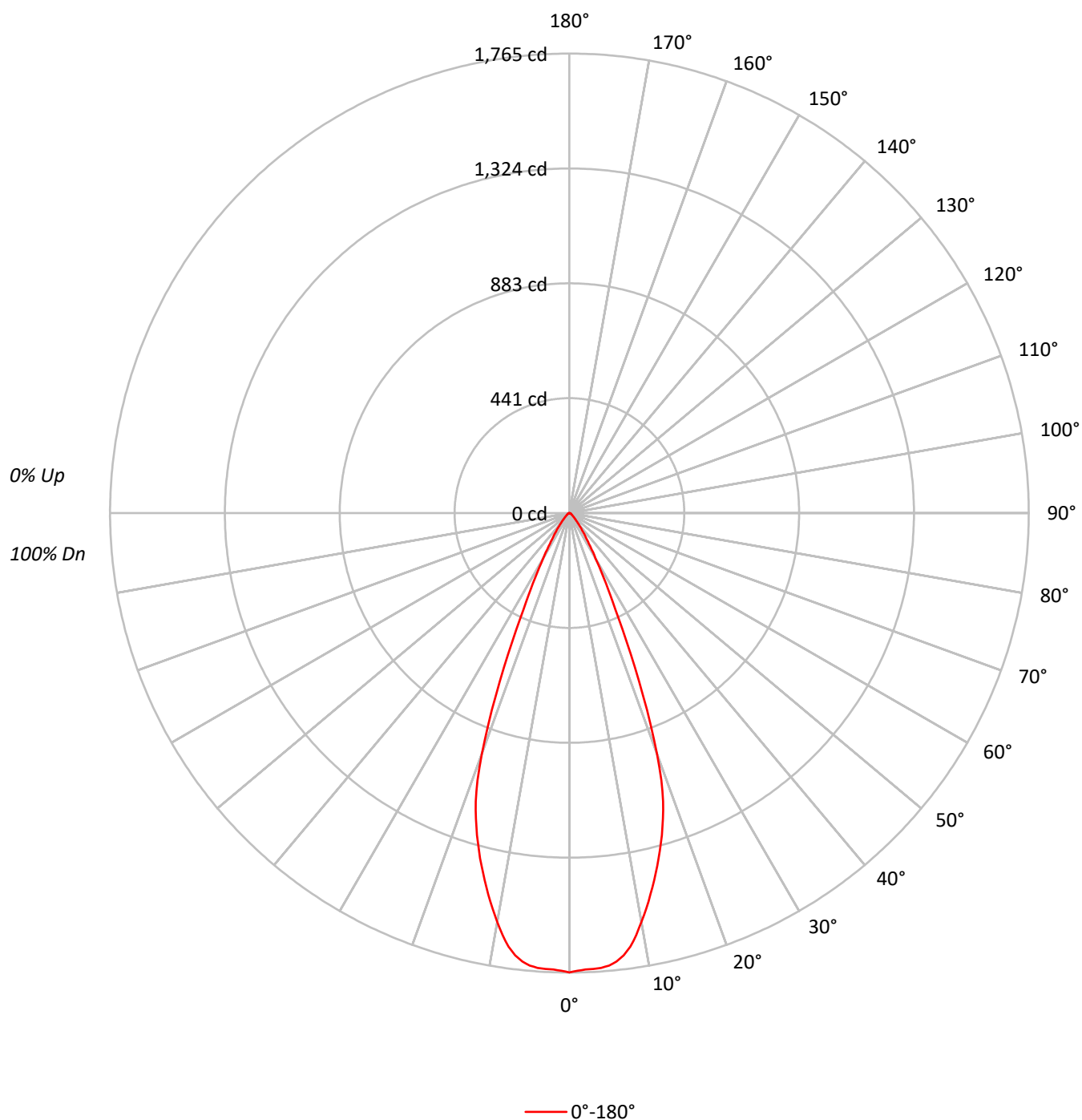
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P184313

CATALOG NUMBER: L80808FL9027P

Luminous Intensity Polar Plot





TEST NUMBER: P184313

CATALOG NUMBER: L80808FL9027P

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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95					95			
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90					90			
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85					85			
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81					81			
5	97	90	85	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77					77			
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74					74			
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70					70			
8	86	78	73	69	85	77	73	69	76	72	69	75	72	69	75	71	68	67					67			
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65					65			
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62					62			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	386943
5°	384018
10°	355059
15°	304814
20°	229807
25°	107885
30°	50894
35°	26234
40°	14599
45°	8373
50°	5458
55°	3823
60°	3070
65°	3113
70°	3206
75°	2542
80°	2526
85°	0



TEST NUMBER: P184313

CATALOG NUMBER: L80808FL9027P

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.0	18.8
10°-20°	367.9	42.7
20°-30°	223.5	25.9
30°-40°	66.2	7.7
40°-50°	22.6	2.6
50°-60°	9.7	1.1
60°-70°	5.9	0.7
70°-80°	3.6	0.4
80°-90°	0.5	0.1
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°	753.5	87.4
0°-40°	819.7	95.1
0°-60°	852.0	98.8
0°-90°	862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	862.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1765	
5°	1745	162
15°	1343	368
25°	446	224
35°	98	66
45°	27	23
55°	10	10
65°	6	6
75°	3	4
85°	0	1
90°	0	



TEST NUMBER: P184313

CATALOG NUMBER: L80808FL9027P

CANDELA DISTRIBUTION (FULL):

0°	
0°	1764.6
1°	1758.6
2°	1754.6
3°	1753.6
4°	1751.6
5°	1744.6
6°	1732.6
7°	1711.6
8°	1681.6
9°	1641.6
10°	1594.6
11°	1547.7
12°	1497.7
13°	1447.7
14°	1396.7
15°	1342.7
16°	1287.7
17°	1228.7
18°	1164.7
19°	1085.8
20°	984.8
21°	870.8
22°	754.8
23°	644.9
24°	539.9
25°	445.9
26°	377.9
27°	326.9
28°	280.9
29°	238.9
30°	201.0
32.5°	139.0
35°	98.0
37.5°	70.0
40°	51.0
42.5°	37.0
45°	27.0
47.5°	21.0
50°	16.0
52.5°	13.0
55°	10.0
57.5°	9.0
60°	7.0
62.5°	7.0
65°	6.0



TEST NUMBER: P184313

CATALOG NUMBER: L80808FL9027P

CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.0
70°	5.0
72.5°	4.0
75°	3.0
77.5°	3.0
80°	2.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)