

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: P184295

Luminaire Tested: **L80808NF9027P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27058)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80808NF9027P
Description: HALO TRACK L LED 08, 850 LM, NARROW FLOOD, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 906.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.38
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

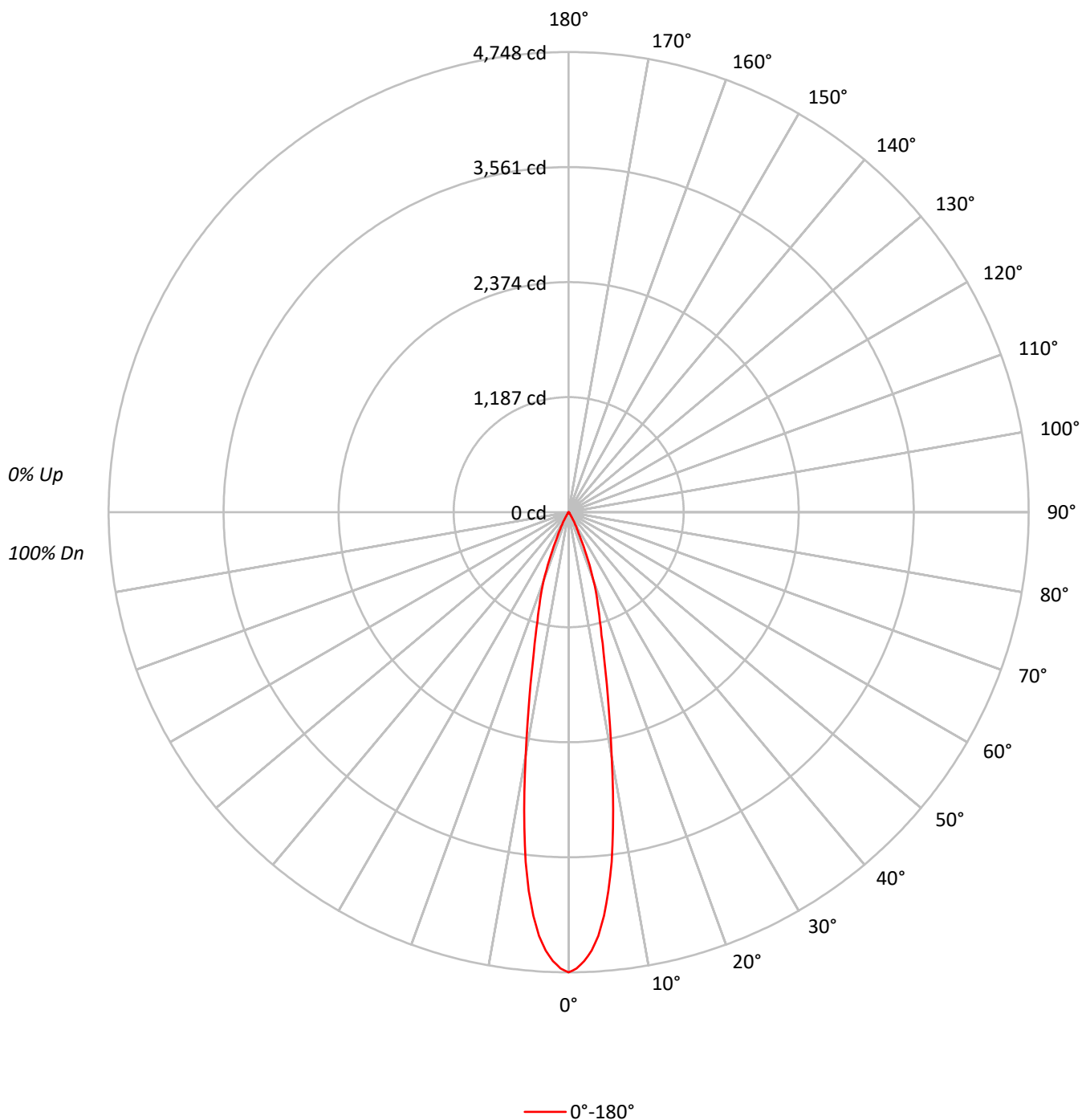
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P184295

CATALOG NUMBER: L80808NF9027P

Luminous Intensity Polar Plot





TEST NUMBER: P184295

CATALOG NUMBER: L80808NF9027P

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20				
RC	80					70					50					30					10				
RW	70	50	30	10	70	50	30	10	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							
1	115	113	111	109	113	111	109	108	107	105	104	103	102	101	100	99	98	97							
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93							
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90							
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88							
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85							
6	99	93	88	86	97	92	88	85	91	87	85	89	86	84	88	86	84	83							
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	80							
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78							
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76							
10	89	82	79	76	88	82	78	76	81	78	76	81	78	76	80	77	75	74							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1041210
5°	920403
10°	570597
15°	297573
20°	175459
25°	64601
30°	22535
35°	5622
40°	3149
45°	2171
50°	2047
55°	1912
60°	1754
65°	2075
70°	1923
75°	1694
80°	1263
85°	0



TEST NUMBER: P184295

CATALOG NUMBER: L80808NF9027P

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.7	38.2
10°-20°	380.8	42.0
20°-30°	143.0	15.8
30°-40°	19.4	2.1
40°-50°	6.0	0.7
50°-60°	4.5	0.5
60°-70°	3.8	0.4
70°-80°	2.4	0.3
80°-90°	0.4	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°	869.5	96.0
0°-40°	888.9	98.1
0°-60°	899.4	99.3
0°-90°	906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	906.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4748	
5°	4181	346
15°	1311	381
25°	267	143
35°	21	19
45°	7	6
55°	5	4
65°	4	4
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P184295

CATALOG NUMBER: L80808NF9027P

CANDELA DISTRIBUTION (FULL):

	0°
0°	4748.3
1°	4708.3
2°	4634.3
3°	4529.3
4°	4383.3
5°	4181.4
6°	3930.4
7°	3636.4
8°	3288.5
9°	2923.5
10°	2562.6
11°	2230.7
12°	1942.7
13°	1690.7
14°	1485.8
15°	1310.8
16°	1171.8
17°	1053.8
18°	954.9
19°	857.9
20°	751.9
21°	640.9
22°	533.9
23°	432.9
24°	343.9
25°	267.0
26°	213.0
27°	177.0
28°	146.0
29°	116.0
30°	89.0
32.5°	44.0
35°	21.0
37.5°	14.0
40°	11.0
42.5°	9.0
45°	7.0
47.5°	7.0
50°	6.0
52.5°	5.0
55°	5.0
57.5°	5.0
60°	4.0
62.5°	4.0
65°	4.0



TEST NUMBER: P184295

CATALOG NUMBER: L80808NF9027P

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)