

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: P184044

Luminaire Tested: **L80825NF9027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27069)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825NF9027MB
Description: HALO TRACK L LED 08, 2500 LM, NARROW FLOOD, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2040.0 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.44
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

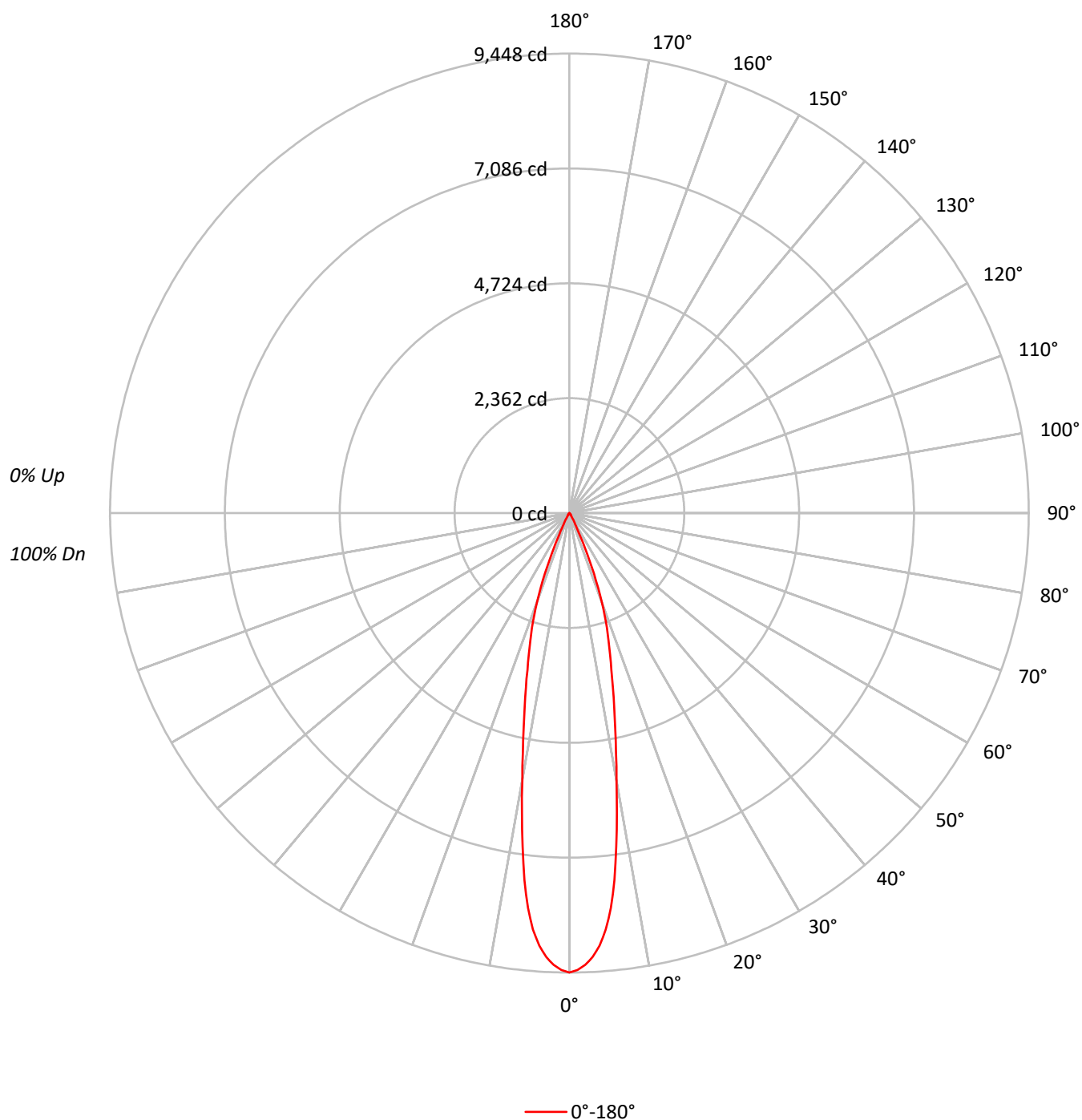
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P184044

CATALOG NUMBER: L80825NF9027MB

Luminous Intensity Polar Plot



TEST NUMBER: P184044

CATALOG NUMBER: L80825NF9027MB

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	106	104	103	102	101	100	99	98	97							
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	98	96	95	94							
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91							
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	82	88	85	82	87	84	82	86	83	81	80							
8	93	87	83	80	92	86	83	80	86	82	80	85	82	79	84	81	79	78							
9	91	84	80	78	90	84	80	78	83	80	77	83	79	77	82	79	77	76							
10	89	82	78	76	88	82	78	76	81	78	75	81	77	75	80	77	75	74							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1165332
5°	1064317
10°	699487
15°	426661
20°	256433
25°	77289
30°	19000
35°	7559
40°	4364
45°	2808
50°	2111
55°	1505
60°	1233
65°	876
70°	721
75°	477
80°	0
85°	0



TEST NUMBER: P184044

CATALOG NUMBER: L80825NF9027MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	719.3	35.3
10°-20°	937.2	45.9
20°-30°	323.0	15.8
30°-40°	37.0	1.8
40°-50°	13.1	0.6
50°-60°	6.7	0.3
60°-70°	3.1	0.2
70°-80°	0.8	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°	1979.4	97.0
0°-40°	2016.4	98.8
0°-60°	2036.1	99.8
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9448	
5°	8596	719
15°	3341	937
25°	568	323
35°	50	37
45°	16	13
55°	7	7
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P184044

CATALOG NUMBER: L80825NF9027MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	9447.7
1°	9397.6
2°	9296.2
3°	9139.7
4°	8913.9
5°	8595.9
6°	8161.4
7°	7601.5
8°	6927.3
9°	6238.9
10°	5584.8
11°	5015.8
12°	4518.2
13°	4090.7
14°	3695.4
15°	3341.2
16°	3030.2
17°	2749.2
18°	2493.4
19°	2231.5
20°	1953.6
21°	1653.6
22°	1339.5
23°	1050.5
24°	786.6
25°	567.9
26°	409.4
27°	295.0
28°	227.8
29°	175.6
30°	133.4
32.5°	76.3
35°	50.2
37.5°	36.1
40°	27.1
42.5°	20.1
45°	16.1
47.5°	13.0
50°	11.0
52.5°	9.0
55°	7.0
57.5°	6.0
60°	5.0
62.5°	4.0
65°	3.0



TEST NUMBER: P184044

CATALOG NUMBER: L80825NF9027MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)