

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: P188906

Luminaire Tested: **L80825NF9035MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188906
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: L80825NF9035MB
Description: HALO TRACK L LED 08, 2500 LM, NARROW FLOOD, MATTE BLACK

Light Source: EATON LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2350.8 lumens
Efficiency: N/A
Efficacy: 67.4 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

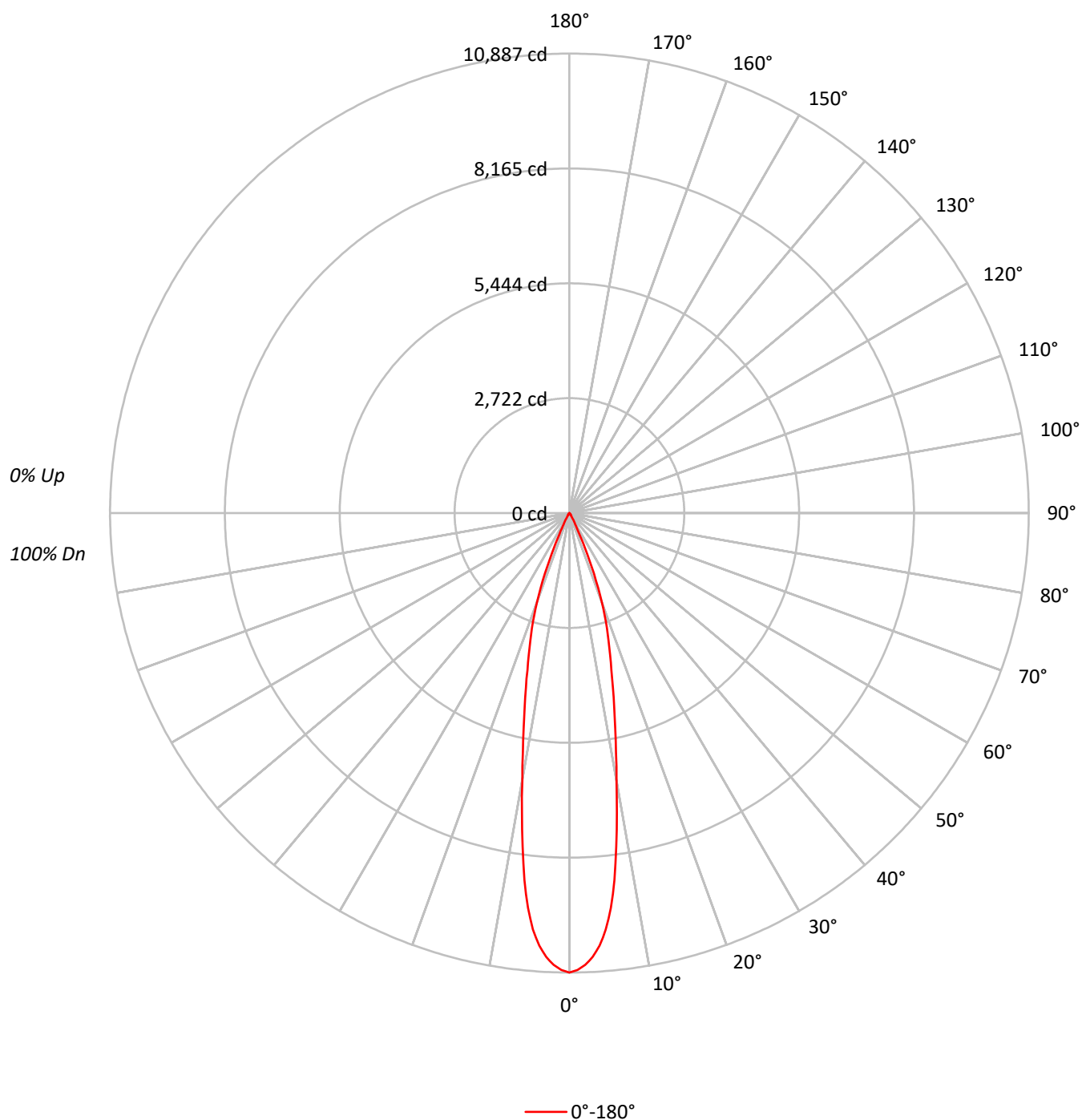
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P188906

CATALOG NUMBER: L80825NF9035MB

Luminous Intensity Polar Plot



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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°	1342913
5°	1226492
10°	806074
15°	491684
20°	295496
25°	89062
30°	21905
35°	8703
40°	5024
45°	3227
50°	2437
55°	1742
60°	1431
65°	1022
70°	829
75°	572
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	828.9	35.3
10°-20°	1080.0	45.9
20°-30°	372.2	15.8
30°-40°	42.6	1.8
40°-50°	15.0	0.6
50°-60°	7.7	0.3
60°-70°	3.6	0.2
70°-80°	0.9	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°	2281.0	97.0
0°-40°	2323.6	98.8
0°-60°	2346.4	99.8
0°-90°	2350.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2350.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10887	
5°	9906	829
15°	3850	1080
25°	654	372
35°	58	43
45°	18	15
55°	8	8
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10887.4
1°	10829.6
2°	10712.8
3°	10532.4
4°	10272.2
5°	9905.7
6°	9405.0
7°	8759.8
8°	7982.8
9°	7189.6
10°	6435.8
11°	5780.2
12°	5206.7
13°	4714.1
14°	4258.5
15°	3850.4
16°	3491.9
17°	3168.2
18°	2873.3
19°	2571.5
20°	2251.2
21°	1905.5
22°	1543.6
23°	1210.6
24°	906.5
25°	654.4
26°	471.8
27°	339.9
28°	262.5
29°	202.3
30°	153.8
32.5°	87.9
35°	57.8
37.5°	41.6
40°	31.2
42.5°	23.1
45°	18.5
47.5°	15.0
50°	12.7
52.5°	10.4
55°	8.1
57.5°	6.9
60°	5.8
62.5°	4.6
65°	3.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.3
70°	2.3
72.5°	1.2
75°	1.2
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)