

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: P184046

Luminaire Tested: **L80825NF9040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184046
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: L80825NF9040MB
Description: HALO TRACK L LED 08, 2500 LM, NARROW FLOOD, MATTE BLACK

Light Source: EATON LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2485.0 lumens
Efficiency: N/A
Efficacy: 71.2 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

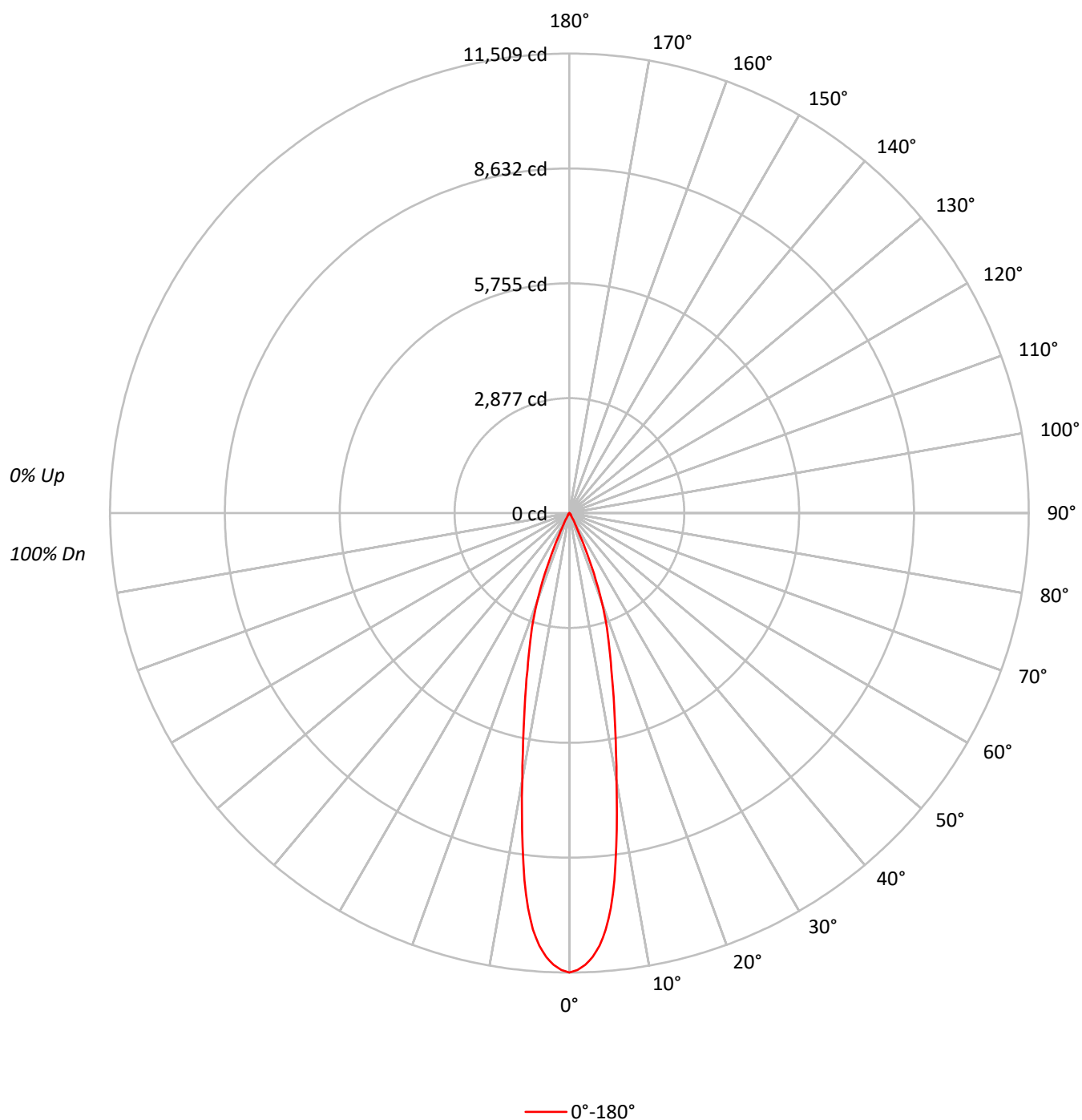
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1419560
5°	1296498
10°	852078
15°	519739
20°	312363
25°	94152
30°	23159
35°	9200
40°	5314
45°	3419
50°	2571
55°	1849
60°	1505
65°	1080
70°	866
75°	572
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	876.2	35.3
10°-20°	1141.6	45.9
20°-30°	393.4	15.8
30°-40°	45.0	1.8
40°-50°	15.9	0.6
50°-60°	8.2	0.3
60°-70°	3.8	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°	2411.2	97.0
0°-40°	2456.3	98.8
0°-60°	2480.3	99.8
0°-90°	2485.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2485.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11509	
5°	10471	876
15°	4070	1142
25°	692	393
35°	61	45
45°	20	16
55°	9	8
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11508.8
1°	11447.7
2°	11324.2
3°	11133.6
4°	10858.6
5°	10471.1
6°	9941.9
7°	9259.8
8°	8438.5
9°	7600.0
10°	6803.1
11°	6110.1
12°	5503.8
13°	4983.2
14°	4501.6
15°	4070.1
16°	3691.2
17°	3349.0
18°	3037.3
19°	2718.3
20°	2379.7
21°	2014.3
22°	1631.7
23°	1279.7
24°	958.3
25°	691.8
26°	498.7
27°	359.3
28°	277.5
29°	213.9
30°	162.6
32.5°	92.9
35°	61.1
37.5°	44.0
40°	33.0
42.5°	24.4
45°	19.6
47.5°	15.9
50°	13.4
52.5°	11.0
55°	8.6
57.5°	7.3
60°	6.1
62.5°	4.9
65°	3.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.4
70°	2.4
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)