

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: P184064

Luminaire Tested: **L80825FL9040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27071)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825FL9040MB
Description: HALO TRACK L LED 08, 2500 LM, FLOOD, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2483.8 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.55
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

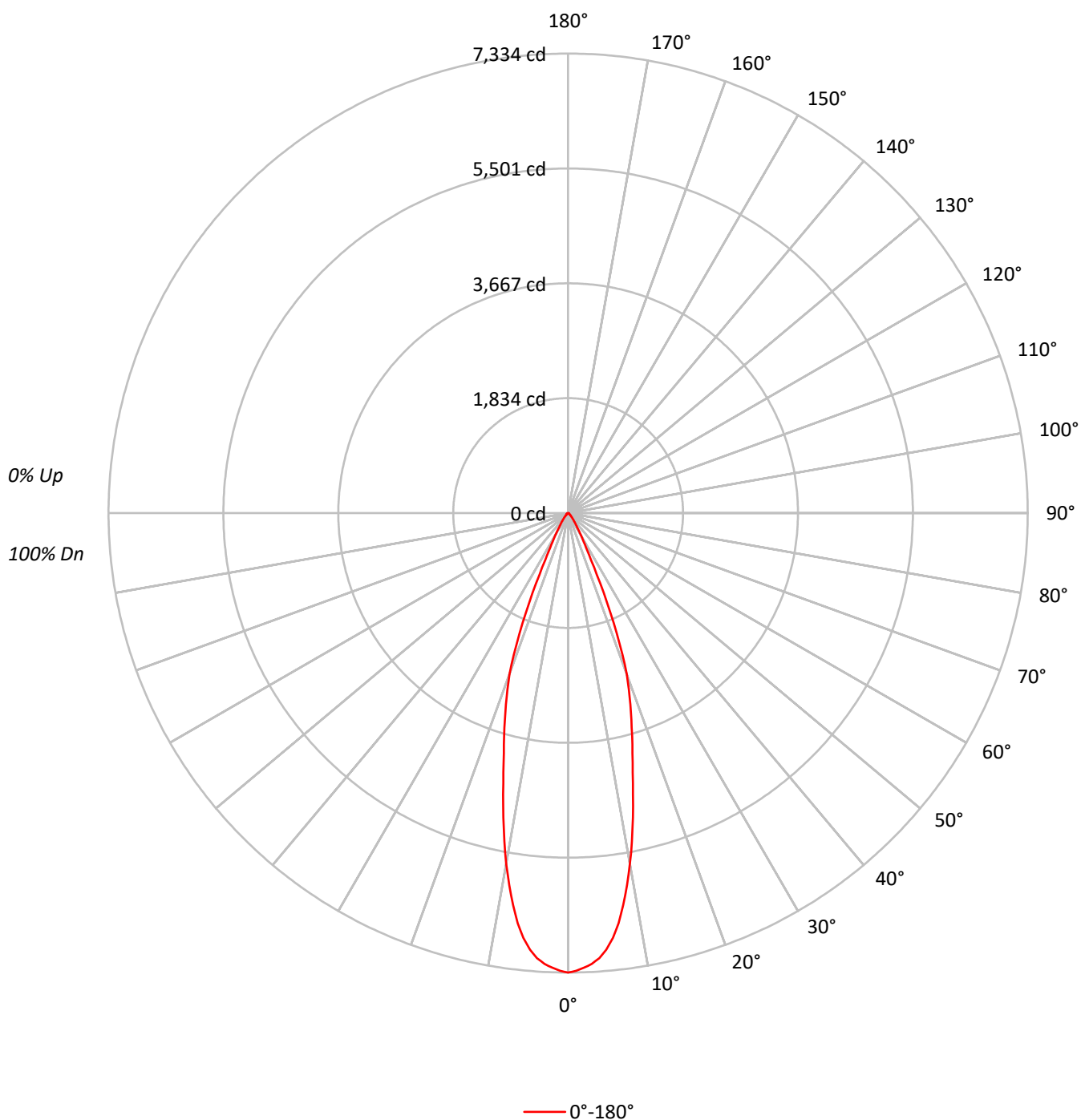
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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		100
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96		96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92		92
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88		88
4	103	97	92	89	101	96	92	88	94	90	87	92	89	86	90	87	85	84		84
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81		81
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78		78
7	92	85	80	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75		75
8	89	82	77	74	88	81	77	74	80	77	74	80	76	73	79	76	73	72		72
9	86	79	74	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70		70
10	84	76	72	69	83	76	72	69	75	71	69	75	71	68	74	71	68	67		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	904617
5°	866148
10°	711862
15°	506586
20°	359132
25°	147420
30°	56074
35°	28354
40°	15941
45°	9175
50°	5392
55°	3419
60°	2122
65°	1430
70°	866
75°	572
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.3	25.2
10°-20°	1108.8	44.6
20°-30°	557.8	22.5
30°-40°	127.8	5.1
40°-50°	43.3	1.7
50°-60°	14.6	0.6
60°-70°	5.0	0.2
70°-80°	1.3	0.1
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°	2291.8	92.3
0°-40°	2419.6	97.4
0°-60°	2477.6	99.7
0°-90°	2483.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2483.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7334	
5°	6995	625
15°	3967	1109
25°	1083	558
35°	188	128
45°	53	43
55°	16	15
65°	5	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7334.0
1°	7305.9
2°	7261.9
3°	7204.4
4°	7120.1
5°	6995.4
6°	6820.5
7°	6595.6
8°	6320.5
9°	6011.2
10°	5683.6
11°	5333.9
12°	4970.8
13°	4605.3
14°	4265.4
15°	3967.1
16°	3701.8
17°	3450.0
18°	3212.8
19°	2976.9
20°	2736.0
21°	2417.0
22°	2072.2
23°	1726.2
24°	1390.0
25°	1083.2
26°	839.9
27°	670.0
28°	568.5
29°	476.8
30°	393.7
32.5°	265.3
35°	188.3
37.5°	135.7
40°	99.0
42.5°	72.1
45°	52.6
47.5°	39.1
50°	28.1
52.5°	20.8
55°	15.9
57.5°	11.0
60°	8.6
62.5°	6.1
65°	4.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.7
70°	2.4
72.5°	1.2
75°	1.2
77.5°	1.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)