

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: P184049

Luminaire Tested: **L80825NF9040P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27004)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825NF9040P
Description: HALO TRACK LL LED 08, 2500 LM, NARROW FLOOD, 90 CRI, 2700K, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2563.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.45
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

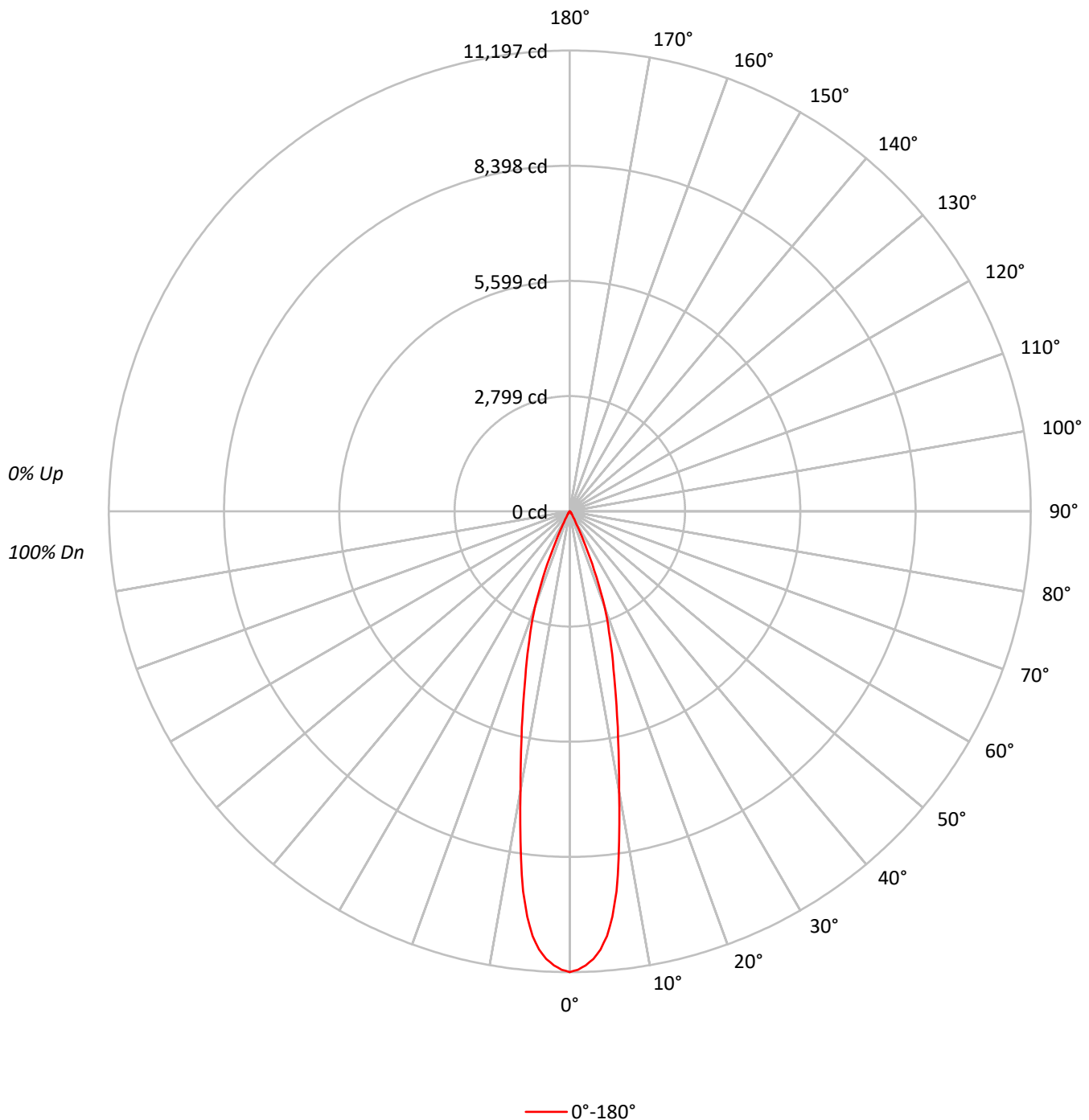
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	99	97	106	102	98	96	99	97	94	97	95	93	95	93	91	90							
4	104	99	95	92	103	98	94	91	96	93	90	94	92	89	92	90	88	87							
5	101	95	91	88	100	94	91	88	93	90	87	91	89	86	90	88	86	85							
6	98	92	88	85	97	91	87	85	90	87	84	89	86	84	88	85	83	82							
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80							
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77							
9	90	84	80	77	90	83	80	77	83	79	77	82	79	76	81	78	76	75							
10	88	81	77	75	87	81	77	75	80	77	75	80	77	74	79	76	74	73							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1381113
5°	1282791
10°	864828
15°	530938
20°	325148
25°	102903
30°	26093
35°	10857
40°	6296
45°	4256
50°	3051
55°	2366
60°	1801
65°	1430
70°	1334
75°	1144
80°	852
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.5	34.1
10°-20°	1169.5	45.6
20°-30°	430.1	16.8
30°-40°	52.1	2.0
40°-50°	19.5	0.8
50°-60°	9.9	0.4
60°-70°	5.0	0.2
70°-80°	2.2	0.1
80°-90°	0.2	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°	2474.1	96.5
0°-40°	2526.2	98.6
0°-60°	2555.6	99.7
0°-90°	2563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2563.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11197	
5°	10360	874
15°	4158	1170
25°	756	430
35°	72	52
45°	24	19
55°	11	10
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11197.1
1°	11139.7
2°	11039.5
3°	10892.9
4°	10674.3
5°	10360.4
6°	9903.6
7°	9302.6
8°	8528.2
9°	7687.8
10°	6904.9
11°	6230.6
12°	5646.8
13°	5102.0
14°	4603.7
15°	4157.8
17.5°	3249.1
20°	2477.1
22.5°	1552.5
25°	756.1
27.5°	351.8
30°	183.2
32.5°	106.3
35°	72.1
37.5°	52.5
40°	39.1
42.5°	30.5
45°	24.4
47.5°	19.5
50°	15.9
52.5°	13.4
55°	11.0
57.5°	8.6
60°	7.3
62.5°	6.1
65°	4.9
67.5°	3.7
70°	3.7
72.5°	2.4
75°	2.4
77.5°	1.2
80°	1.2
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)