

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: P184043

Luminaire Tested: **L80825NF9040AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27070)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825NF9040AH
Description: HALO TRACK L LED 08, 2500 LM, NARROW FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2234.1 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.43
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

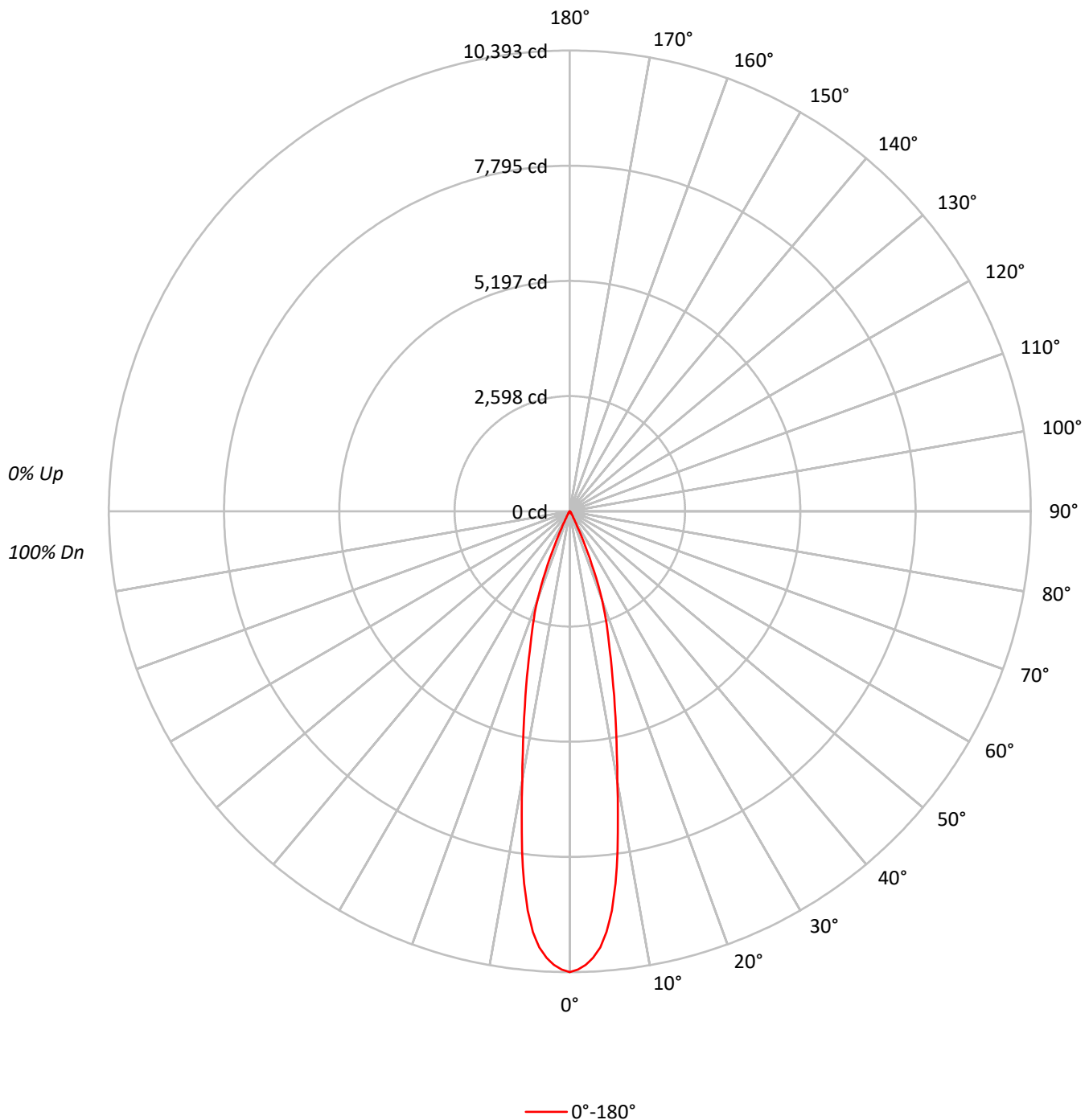
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10	0
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	104	101		103	101	99		100	99	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	96	93		103	98	95	92		96	93	91		95	92	90		93	91	89	88
5	102	96	92	89		100	95	91	89		93	90	88		92	89	87		91	88	86	85
6	99	93	89	86		98	92	88	85		91	87	85		90	87	84		88	86	84	83
7	96	90	86	83		95	89	85	83		88	85	82		87	84	82		86	84	82	81
8	94	87	83	80		93	87	83	80		86	82	80		85	82	80		84	81	79	78
9	91	85	81	78		90	84	80	78		83	80	78		83	80	77		82	79	77	76
10	89	82	78	76		88	82	78	76		81	78	76		81	78	75		80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1281906
5°	1179058
10°	773296
15°	465059
20°	279600
25°	82829
30°	20011
35°	7920
40°	4331
45°	2774
50°	2111
55°	1570
60°	1209
65°	700
70°	866
75°	572
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.6	35.7
10°-20°	1025.1	45.9
20°-30°	348.9	15.6
30°-40°	38.4	1.7
40°-50°	13.2	0.6
50°-60°	6.7	0.3
60°-70°	3.0	0.1
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°	2171.5	97.2
0°-40°	2209.9	98.9
0°-60°	2229.8	99.8
0°-90°	2234.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2234.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10393	
5°	9523	798
15°	3642	1025
25°	609	349
35°	53	38
45°	16	13
55°	7	7
65°	2	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10392.8
1°	10337.8
2°	10236.4
3°	10081.1
4°	9857.5
5°	9522.6
6°	9053.4
7°	8459.4
8°	7727.4
9°	6924.4
10°	6174.1
11°	5563.0
12°	5000.9
13°	4509.6
14°	4053.7
15°	3641.9
16°	3275.2
17°	2966.0
18°	2692.3
19°	2423.4
20°	2130.1
21°	1802.6
22°	1462.9
23°	1145.1
24°	854.3
25°	608.6
26°	420.4
27°	308.0
28°	240.8
29°	187.0
30°	140.5
32.5°	79.4
35°	52.6
37.5°	36.7
40°	26.9
42.5°	20.8
45°	15.9
47.5°	13.4
50°	11.0
52.5°	8.6
55°	7.3
57.5°	6.1
60°	4.9
62.5°	3.7
65°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.4
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)