

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: P184042

Luminaire Tested: **L80825NF9030AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184042
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: L80825NF9030AH
Description: HALO TRACK L LED 08, 2500 LM, NARROW FLOOD, ALUMINIUM HAZE

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1980.8 lumens
Efficiency: N/A
Efficacy: 56.8 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

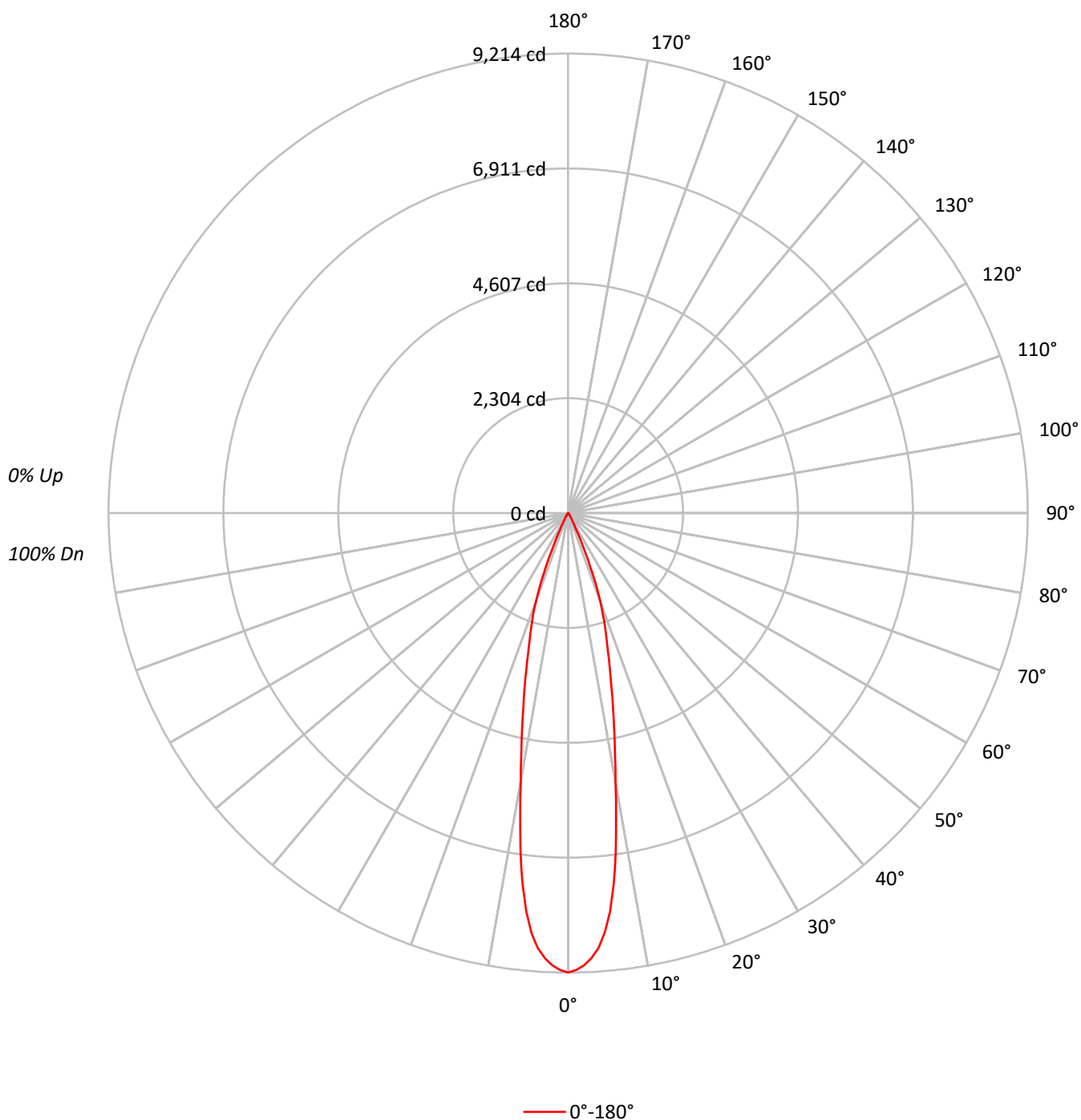
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97					97			
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94					94			
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91					91			
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88					88			
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85					85			
6	99	93	89	86	98	92	88	85	91	87	85	89	87	84	88	86	84	83					83			
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81					81			
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78					78			
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76					76			
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74					74			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1136519
5°	1045336
10°	685597
15°	412307
20°	247888
25°	73438
30°	17746
35°	7017
40°	3832
45°	2460
50°	1881
55°	1398
60°	1061
65°	642
70°	793
75°	524
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	707.1	35.7
10°-20°	908.8	45.9
20°-30°	309.3	15.6
30°-40°	34.0	1.7
40°-50°	11.7	0.6
50°-60°	5.9	0.3
60°-70°	2.7	0.1
70°-80°	1.2	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°	1925.3	97.2
0°-40°	1959.3	98.9
0°-60°	1976.9	99.8
0°-90°	1980.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1980.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9214	
5°	8443	707
15°	3229	909
25°	540	309
35°	47	34
45°	14	12
55°	6	6
65°	2	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9214.1
1°	9165.3
2°	9075.4
3°	8937.8
4°	8739.5
5°	8442.6
6°	8026.6
7°	7500.0
8°	6851.0
9°	6139.1
10°	5473.9
11°	4932.1
12°	4433.7
13°	3998.1
14°	3594.0
15°	3228.8
16°	2903.8
17°	2629.7
18°	2387.0
19°	2148.6
20°	1888.5
21°	1598.2
22°	1297.0
23°	1015.2
24°	757.4
25°	539.6
26°	372.7
27°	273.0
28°	213.4
29°	165.8
30°	124.6
32.5°	70.4
35°	46.6
37.5°	32.5
40°	23.8
42.5°	18.4
45°	14.1
47.5°	11.9
50°	9.8
52.5°	7.6
55°	6.5
57.5°	5.4
60°	4.3
62.5°	3.3
65°	2.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.2
70°	2.2
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)