

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: P184072

Luminaire Tested: **L80815NF9030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27058)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80815NF9030MB
Description: HALO TRACK LL LED 08, 1500 LM, NARROW FLOOD, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1445.4 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.38
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

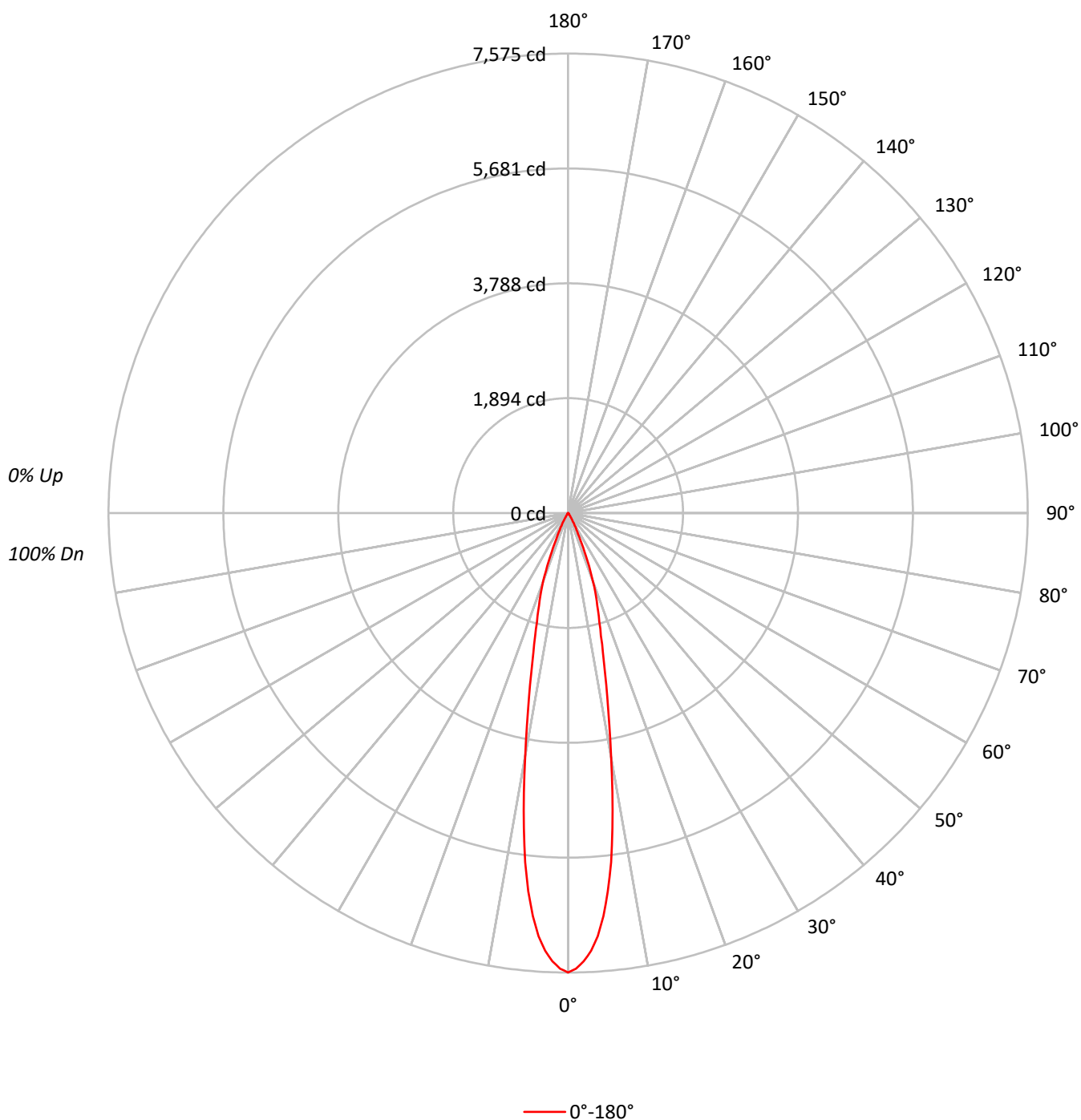
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90			
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	83	88	85	82	87	84	82	86	83	81	80			
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	79	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1661029
5°	1468299
10°	910270
15°	474713
20°	279908
25°	103046
30°	35955
35°	8968
40°	5009
45°	3473
50°	3275
55°	3058
60°	2807
65°	3321
70°	3077
75°	2711
80°	2020
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	551.5	38.2
10°-20°	607.6	42.0
20°-30°	228.0	15.8
30°-40°	30.9	2.1
40°-50°	9.7	0.7
50°-60°	7.2	0.5
60°-70°	6.1	0.4
70°-80°	3.8	0.3
80°-90°	0.7	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°	1387.1	96.0
0°-40°	1418.0	98.1
0°-60°	1434.8	99.3
0°-90°	1445.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1445.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7575	
5°	6670	551
15°	2091	608
25°	426	228
35°	34	31
45°	11	10
55°	8	7
65°	6	6
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7574.9
1°	7511.1
2°	7393.1
3°	7225.6
4°	6992.7
5°	6670.5
6°	6270.1
7°	5801.2
8°	5246.1
9°	4663.9
10°	4088.1
11°	3558.6
12°	3099.2
13°	2697.2
14°	2370.2
15°	2091.1
16°	1869.4
17°	1681.2
18°	1523.3
19°	1368.6
20°	1199.5
21°	1022.4
22°	851.8
23°	690.7
24°	548.7
25°	425.9
26°	339.7
27°	282.3
28°	232.9
29°	185.0
30°	142.0
32.5°	70.2
35°	33.5
37.5°	22.3
40°	17.5
42.5°	14.4
45°	11.2
47.5°	11.2
50°	9.6
52.5°	8.0
55°	8.0
57.5°	8.0
60°	6.4
62.5°	6.4
65°	6.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.4
70°	4.8
72.5°	4.8
75°	3.2
77.5°	3.2
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)