

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: P184071

Luminaire Tested: **L80815NF9027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184071
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: L80815NF9027MB
Description: HALO TRACK LL LED 08, 1500 LM, NARROW FLOOD, MATTE BLACK

Light Source: EATON LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1318.1 lumens
Efficiency: N/A
Efficacy: 63.7 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

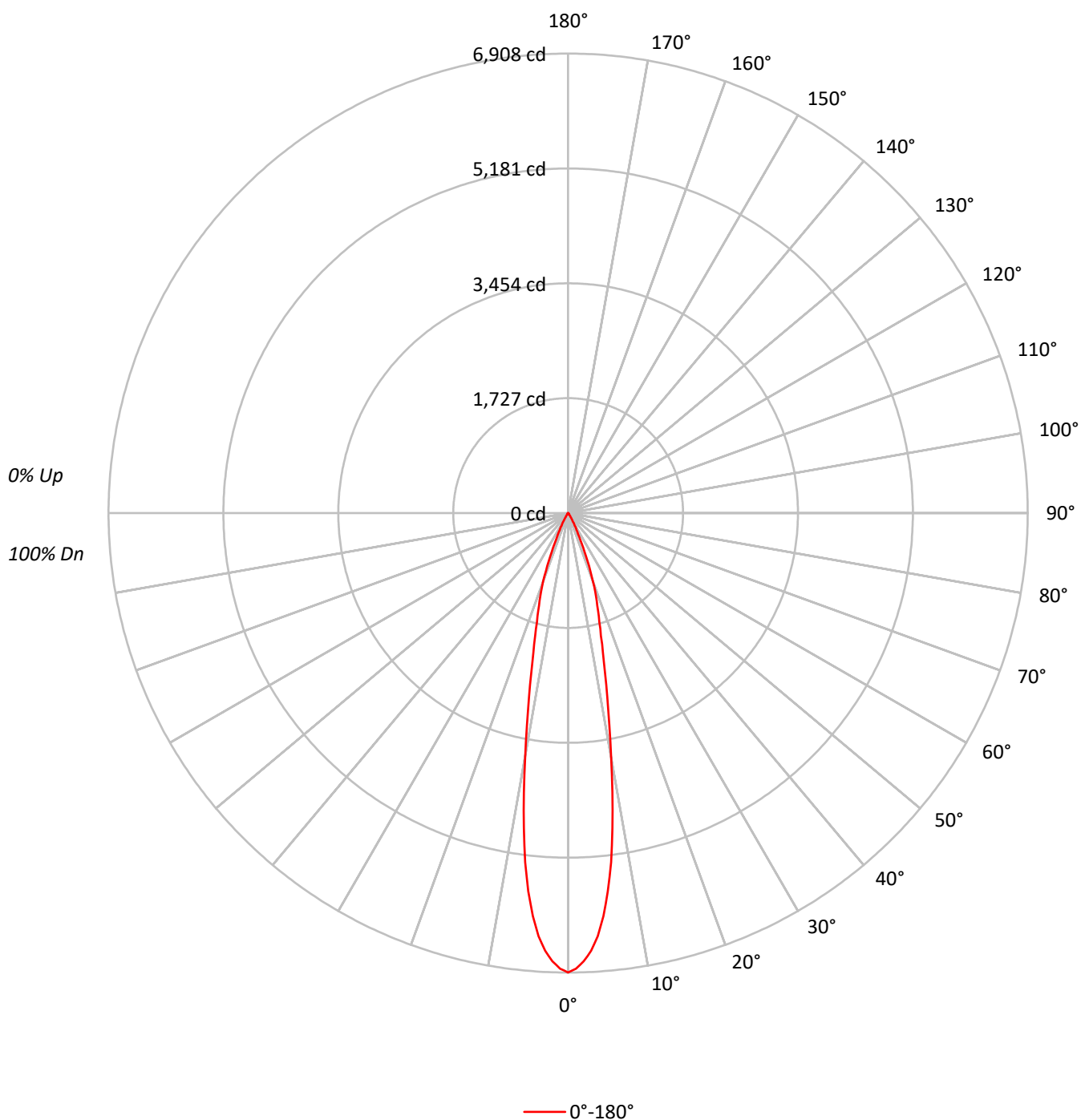
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	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°	1514791
5°	1339024
10°	830134
15°	432920
20°	255266
25°	93973
30°	32790
35°	8165
40°	4580
45°	3163
50°	2968
55°	2791
60°	2544
65°	3009
70°	2821
75°	2457
80°	1894
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.9	38.2
10°-20°	554.1	42.0
20°-30°	208.0	15.8
30°-40°	28.2	2.1
40°-50°	8.8	0.7
50°-60°	6.5	0.5
60°-70°	5.6	0.4
70°-80°	3.5	0.3
80°-90°	0.6	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°	1264.9	96.0
0°-40°	1293.2	98.1
0°-60°	1308.5	99.3
0°-90°	1318.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1318.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6908	
5°	6083	503
15°	1907	554
25°	388	208
35°	30	28
45°	10	9
55°	7	7
65°	6	6
75°	3	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6908.0
1°	6849.8
2°	6742.2
3°	6589.4
4°	6377.0
5°	6083.2
6°	5718.1
7°	5290.4
8°	4784.2
9°	4253.3
10°	3728.2
11°	3245.3
12°	2826.3
13°	2459.8
14°	2161.6
15°	1907.0
16°	1704.8
17°	1533.2
18°	1389.2
19°	1248.1
20°	1093.9
21°	932.4
22°	776.8
23°	629.8
24°	500.4
25°	388.4
26°	309.8
27°	257.5
28°	212.4
29°	168.7
30°	129.5
32.5°	64.0
35°	30.5
37.5°	20.4
40°	16.0
42.5°	13.1
45°	10.2
47.5°	10.2
50°	8.7
52.5°	7.3
55°	7.3
57.5°	7.3
60°	5.8
62.5°	5.8
65°	5.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.8
70°	4.4
72.5°	4.4
75°	2.9
77.5°	2.9
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)