

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: P328487

Luminaire Tested: **L815MED30NP930MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815MED30NP930MB
Description: Medium, 3000lm, 8D, 3000K, black finish
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

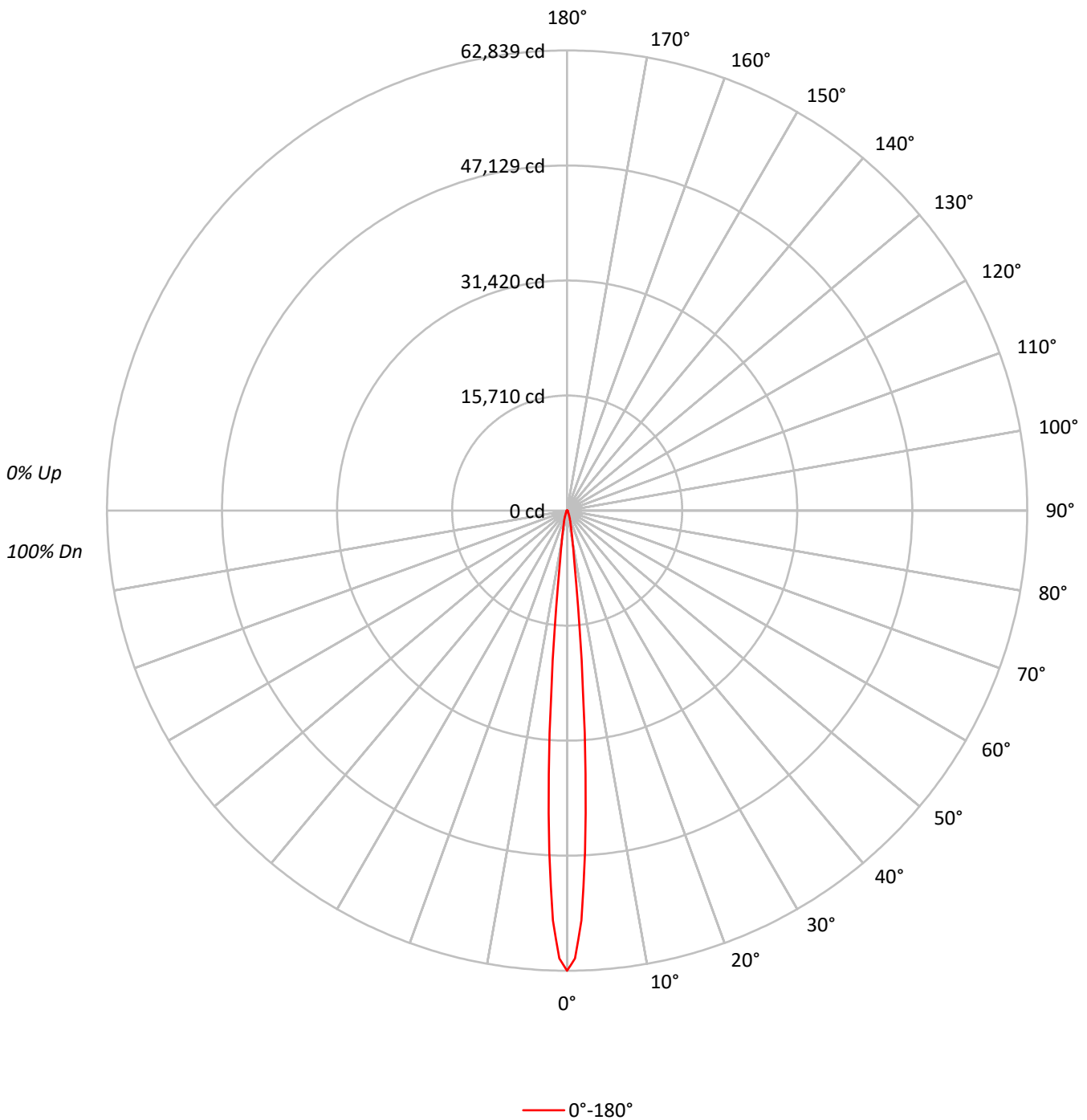
Lumens per Lamp: N/A
Luminaire Lumens: 2766.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 37.7
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	107	107	105	104	103	102	101	100	99	98	96
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	95	97	95	93	95	93	92	90
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88
5	102	97	93	90	101	96	92	89	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83
8	96	90	86	83	95	89	86	83	88	85	83	88	85	83	87	84	82	82
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	86	83	81	80
10	92	86	83	81	92	86	83	80	85	82	80	85	82	80	84	82	80	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7750867
5°	3074396
10°	510062
15°	223137
20°	115497
25°	58535
30°	39552
35°	27751
40°	20578
45°	17147
50°	17923
55°	10580
60°	10904
65°	16490
70°	1767
75°	19921
80°	13993
85°	20804



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1696.1	61.3
10°-20°	515.9	18.6
20°-30°	219.1	7.9
30°-40°	114.5	4.1
40°-50°	83.2	3.0
50°-60°	58.7	2.1
60°-70°	41.0	1.5
70°-80°	25.4	0.9
80°-90°	12.0	0.4
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°	2431.1	87.9
0°-40°	2545.6	92.0
0°-60°	2687.5	97.2
0°-90°	2766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2766.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	62839	
5°	24830	###
15°	1747	516
25°	430	219
35°	184	115
45°	98	83
55°	49	59
65°	56	41
75°	42	25
85°	15	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	62838.6
1°	61164.9
2°	55991.5
3°	46735.7
4°	36093.9
5°	24830.2
6°	16243.0
7°	10157.7
8°	6923.4
9°	5168.6
10°	4072.4
11°	3362.1
12°	2789.5
13°	2364.3
14°	2007.9
15°	1747.4
17.5°	1211.6
20°	879.9
22.5°	616.9
25°	430.1
27.5°	336.7
30°	277.7
32.5°	194.2
35°	184.3
37.5°	157.3
40°	127.8
42.5°	130.3
45°	98.3
47.5°	93.4
50°	93.4
52.5°	76.2
55°	49.2
57.5°	68.8
60°	44.2
62.5°	71.3
65°	56.5
67.5°	14.7
70°	4.9
72.5°	22.1
75°	41.8
77.5°	19.7
80°	19.7
82.5°	19.7
85°	14.7
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)