

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: P328486

Luminaire Tested: **L815MED30NP927MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328486  
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: L815MED30NP927MB  
Description: Medium, 3000lm, 8D, 2700K, black finish  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

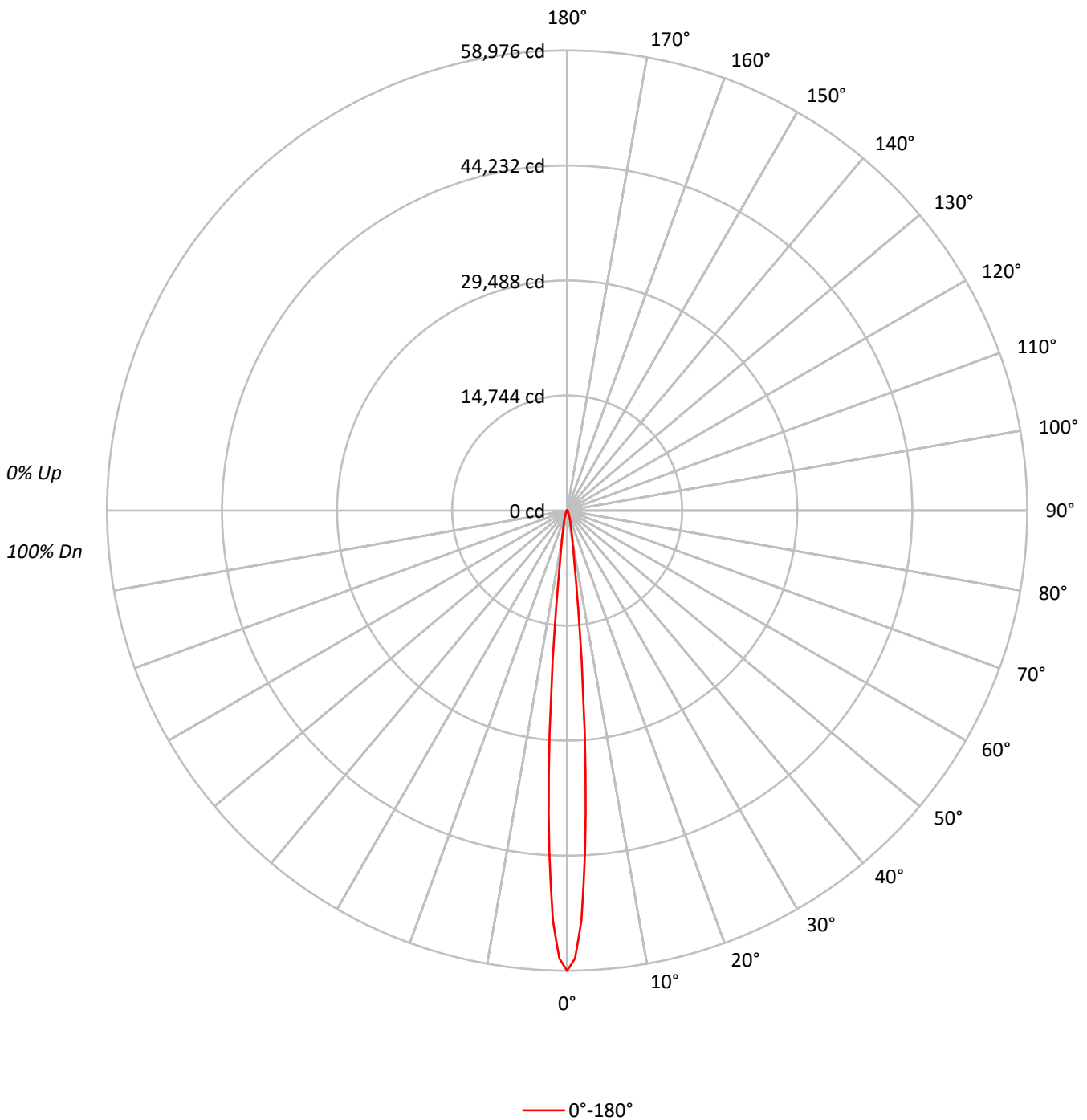
Lumens per Lamp: N/A  
Luminaire Lumens: 2596.1 lumens  
Efficiency: N/A  
Efficacy: 68.9 lumens/watt  
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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°	7274493
5°	2885439
10°	478712
15°	209423
20°	108396
25°	54942
30°	37131
35°	26050
40°	19306
45°	16101
50°	16829
55°	9914
60°	10238
65°	15498
70°	1659
75°	18682
80°	13141
85°	19530



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1591.9	61.3
10°-20°	484.2	18.6
20°-30°	205.7	7.9
30°-40°	107.5	4.1
40°-50°	78.1	3.0
50°-60°	55.1	2.1
60°-70°	38.5	1.5
70°-80°	23.8	0.9
80°-90°	11.3	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°	2281.7	87.9
0°-40°	2389.2	92.0
0°-60°	2522.4	97.2
0°-90°	2596.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2596.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	58976	
5°	23304	###
15°	1640	484
25°	404	206
35°	173	107
45°	92	78
55°	46	55
65°	53	39
75°	39	24
85°	14	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	58976.5
1°	57405.7
2°	52550.2
3°	43863.3
4°	33875.5
5°	23304.1
6°	15244.7
7°	9533.4
8°	6497.8
9°	4850.9
10°	3822.1
11°	3155.5
12°	2618.1
13°	2219.0
14°	1884.5
15°	1640.0
17.5°	1137.2
20°	825.8
22.5°	579.0
25°	403.7
27.5°	316.0
30°	260.7
32.5°	182.2
35°	173.0
37.5°	147.6
40°	119.9
42.5°	122.3
45°	92.3
47.5°	87.7
50°	87.7
52.5°	71.5
55°	46.1
57.5°	64.6
60°	41.5
62.5°	66.9
65°	53.1
67.5°	13.8
70°	4.6
72.5°	20.8
75°	39.2
77.5°	18.5
80°	18.5
82.5°	18.5
85°	13.8
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)