

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: P328492

Luminaire Tested: **L815MED30SP935MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328492  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-10)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L815MED30SP935MB  
Description: Medium, 3000lm, 15D, 3500K, black finish  
Light Source: (1) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2916.0 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.26  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

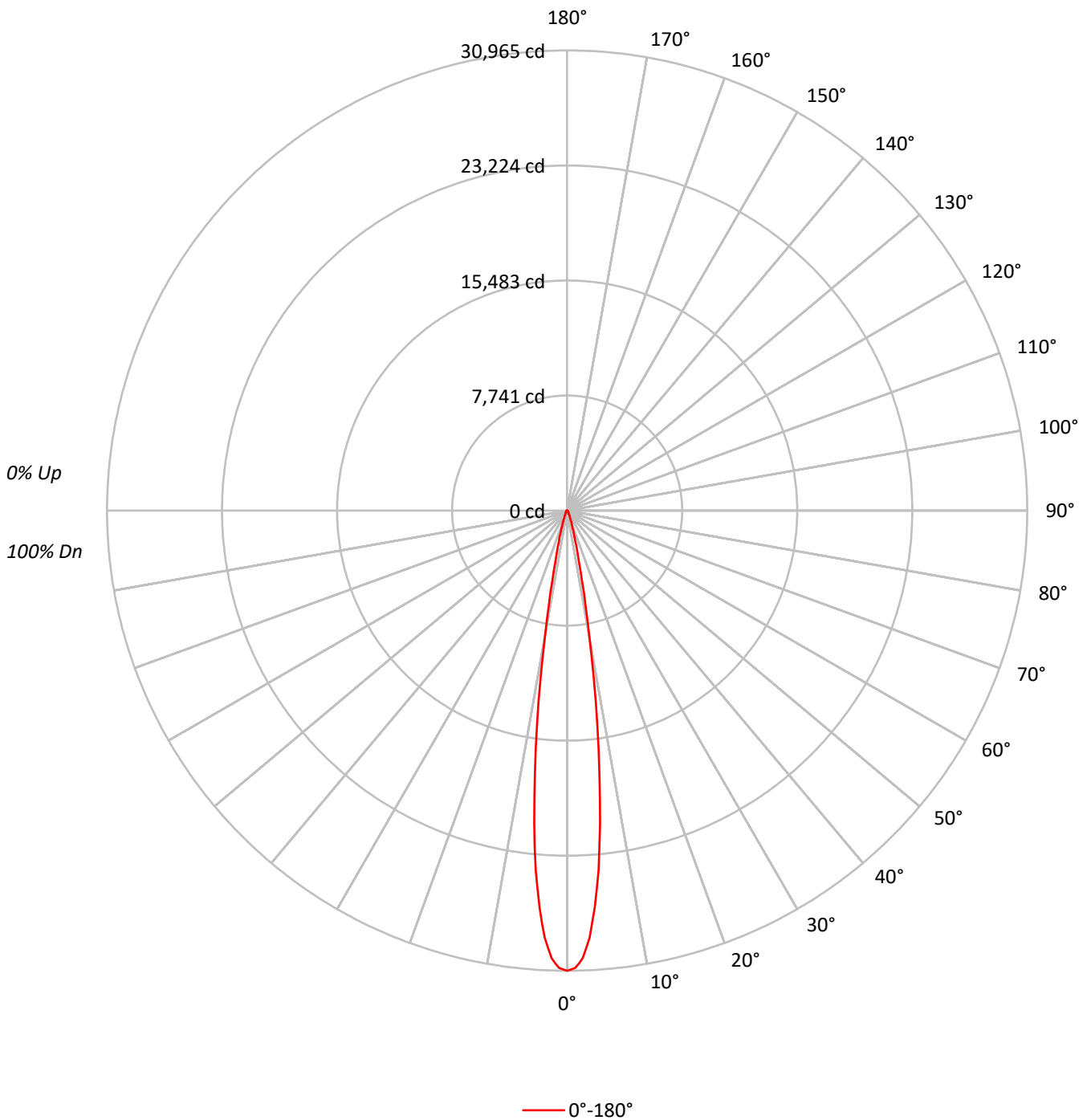
Input Watts (W): 37.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	102	104	102	100	101	100	98	98	97	96	95
3	109	105	101	99	107	103	100	98	101	99	97	99	97	95	97	95	94	92
4	106	101	98	95	105	100	97	95	98	96	94	97	94	93	95	93	92	90
5	104	99	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89
6	101	96	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	87
7	99	94	90	88	98	93	90	88	92	89	87	91	89	87	90	88	86	85
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84
9	96	90	87	84	95	90	87	84	89	86	84	88	86	84	88	85	84	83
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	87	84	82	82

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	3819422
5°	3004972
10°	1081959
15°	271368
20°	97265
25°	47743
30°	28343
35°	21337
40°	18823
45°	13728
50°	11226
55°	10881
60°	9720
65°	7880
70°	4472
75°	5909
80°	2415
85°	7925



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1768.8	60.7
10°-20°	735.5	25.2
20°-30°	173.9	6.0
30°-40°	94.4	3.2
40°-50°	67.6	2.3
50°-60°	45.3	1.6
60°-70°	18.2	0.6
70°-80°	7.7	0.3
80°-90°	4.4	0.2
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°	2678.3	91.8
0°-40°	2772.7	95.1
0°-60°	2885.6	99.0
0°-90°	2916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2916.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	30965	
5°	24270	###
15°	2125	736
25°	351	174
35°	142	94
45°	79	68
55°	51	45
65°	27	18
75°	12	8
85°	6	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	30965.2
1°	30786.4
2°	30144.4
3°	28768.2
4°	26752.2
5°	24269.5
6°	21185.4
7°	17829.2
8°	14613.4
9°	11407.9
10°	8638.5
11°	6491.0
12°	4803.3
13°	3600.2
14°	2723.2
15°	2125.1
17.5°	1207.6
20°	741.0
22.5°	492.5
25°	350.8
27.5°	250.7
30°	199.0
32.5°	174.3
35°	141.7
37.5°	133.8
40°	116.9
42.5°	102.3
45°	78.7
47.5°	83.2
50°	58.5
52.5°	57.3
55°	50.6
57.5°	46.1
60°	39.4
62.5°	19.1
65°	27.0
67.5°	2.2
70°	12.4
72.5°	7.9
75°	12.4
77.5°	1.1
80°	3.4
82.5°	5.6
85°	5.6
87.5°	3.4



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)