

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: P328483

Luminaire Tested: **L815MED30NF930MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328483  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-11)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L815MED30NF930MB  
Description: Medium, 3000lm, 25D, 3000K, black finish  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2829.0 lumens  
Efficiency: N/A  
Efficacy: 75.0 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.39  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

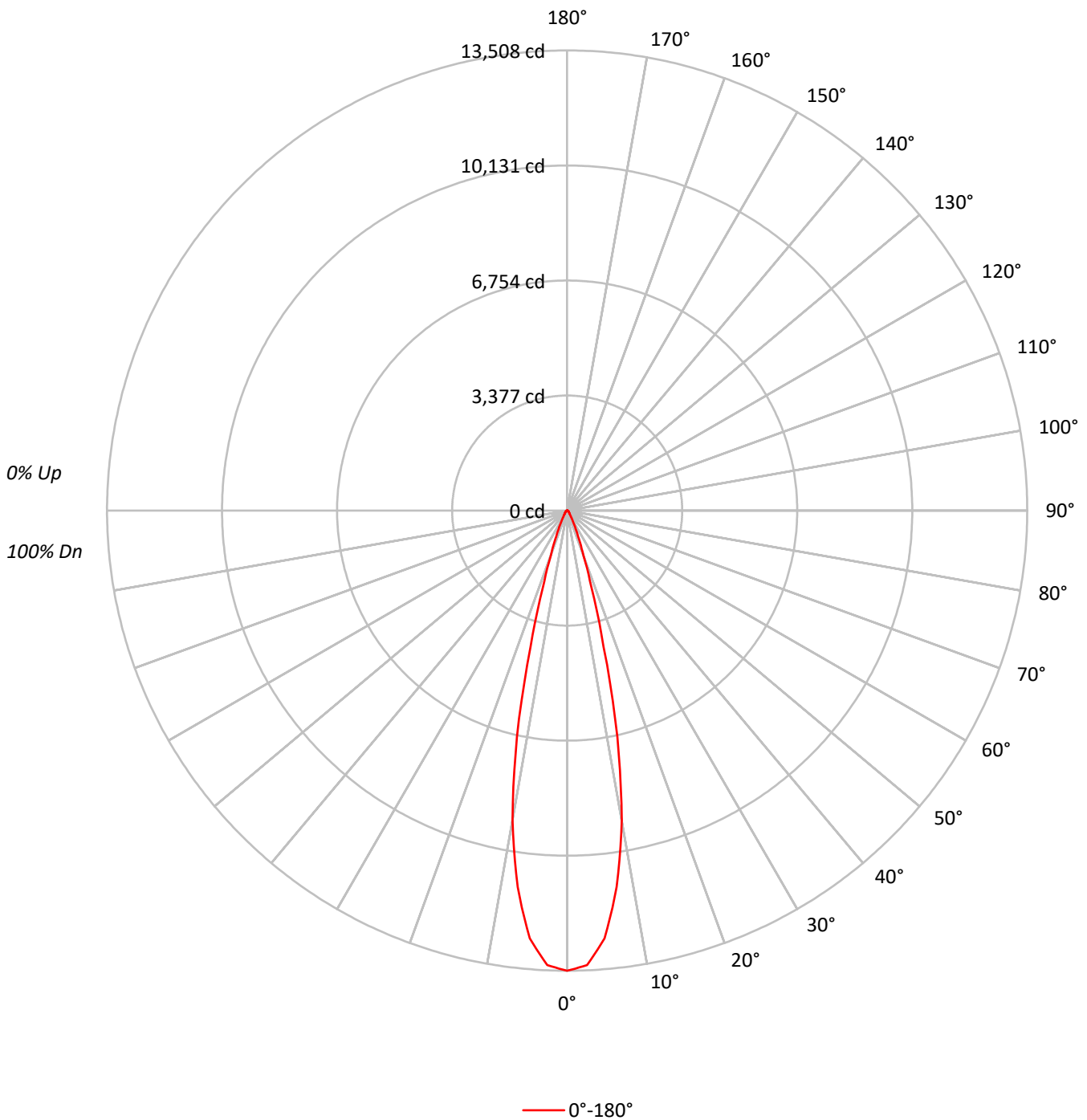
Input Watts (W): 37.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	104	102	109	106	103	100	102	100	98		100	98	96		97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94		96	94	92		94	92	91	90
4	104	98	94	91	102	97	94	91	95	92	90		94	91	89		92	90	88	87
5	101	95	91	88	99	94	90	87	92	89	86		91	88	86		89	87	85	84
6	98	92	87	84	97	91	87	84	90	86	84		88	85	83		87	85	83	81
7	95	89	85	82	94	88	84	81	87	84	81		86	83	81		85	82	80	79
8	93	86	82	79	92	86	82	79	85	81	79		84	81	78		83	80	78	77
9	90	84	80	77	90	83	79	77	83	79	77		82	79	76		81	78	76	75
10	88	82	78	75	87	81	77	75	81	77	75		80	77	74		79	76	74	73

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

	0°
0°	1666091
5°	1561107
10°	1156682
15°	528422
20°	184738
25°	79603
30°	38242
35°	22617
40°	16295
45°	14129
50°	10842
55°	11677
60°	9720
65°	8085
70°	5374
75°	524
80°	3765
85°	1557



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1092.4	38.6
10°-20°	1200.6	42.4
20°-30°	297.6	10.5
30°-40°	99.8	3.5
40°-50°	62.4	2.2
50°-60°	43.0	1.5
60°-70°	29.3	1.0
70°-80°	2.9	0.1
80°-90°	1.0	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°	2590.6	91.6
0°-40°	2690.4	95.1
0°-60°	2795.7	98.8
0°-90°	2829.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2829.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13508	
5°	12608	###
15°	4138	1201
25°	585	298
35°	150	100
45°	81	62
55°	54	43
65°	28	29
75°	1	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13507.5
2.5°	13355.1
5°	12608.2
7.5°	11142.2
10°	9235.1
12.5°	6802.7
15°	4138.1
17.5°	2361.0
20°	1407.4
22.5°	889.6
25°	584.9
27.5°	386.7
30°	268.5
32.5°	198.2
35°	150.2
37.5°	115.1
40°	101.2
42.5°	84.2
45°	81.0
47.5°	79.9
50°	56.5
52.5°	59.7
55°	54.3
57.5°	30.9
60°	39.4
62.5°	37.3
65°	27.7
67.5°	26.6
70°	14.9
72.5°	0.0
75°	1.1
77.5°	0.0
80°	5.3
82.5°	0.0
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)