

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: P328481

Luminaire Tested: **L815MED30FL940MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-12)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815MED30FL940MB
Description: Medium, 3000lm, 45D, 4000K, black finish
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2727.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.66
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

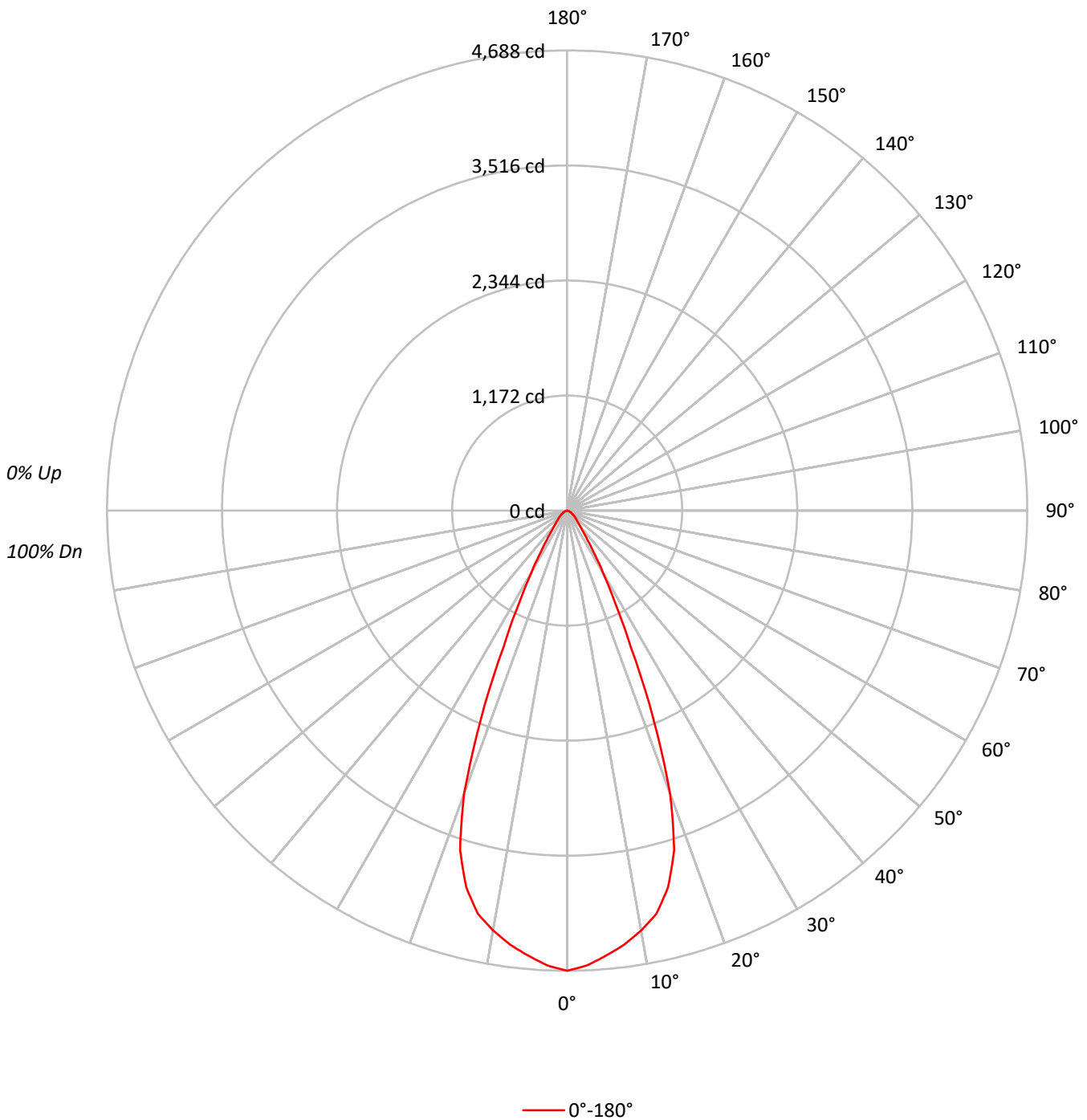
Input Watts (W): 37.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	89
3	104	98	93	90	102	97	92	89	94	90	87		92	89	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	77	73	89	82	77	73	81	76	73		79	75	72		78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69		76	72	69		75	71	68	67
8	84	75	70	66	82	74	69	66	73	69	66		72	68	65		72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69	65	62	61
10	77	69	63	60	76	68	63	60	67	63	60		67	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	578220
5°	563527
10°	544029
15°	507339
20°	402842
25°	208759
30°	103431
35°	52341
40°	32509
45°	24421
50°	20245
55°	16042
60°	13025
65°	10390
70°	7862
75°	3813
80°	781
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.3	15.7
10°-20°	1081.6	39.7
20°-30°	751.8	27.6
30°-40°	240.1	8.8
40°-50°	111.4	4.1
50°-60°	68.3	2.5
60°-70°	35.8	1.3
70°-80°	9.6	0.4
80°-90°	0.1	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°	2261.6	82.9
0°-40°	2501.7	91.7
0°-60°	2681.4	98.3
0°-90°	2727.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2727.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4688	
5°	4551	428
15°	3973	1082
25°	1534	752
35°	348	240
45°	140	111
55°	75	68
65°	36	36
75°	8	10
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4687.8
2.5°	4638.5
5°	4551.3
7.5°	4459.5
10°	4343.6
12.5°	4205.9
15°	3973.0
17.5°	3626.6
20°	3069.0
22.5°	2296.9
25°	1533.9
27.5°	1049.8
30°	726.2
32.5°	500.2
35°	347.6
37.5°	257.0
40°	201.9
42.5°	166.4
45°	140.0
47.5°	120.5
50°	105.5
52.5°	89.5
55°	74.6
57.5°	63.1
60°	52.8
62.5°	43.6
65°	35.6
67.5°	28.7
70°	21.8
72.5°	13.8
75°	8.0
77.5°	3.4
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)