

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: P328497

Luminaire Tested: **L815MED30WF940MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-13)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815MED30WF940MB
Description: Medium, 3000lm, 60D, 4000K, black finish
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2890.0 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.88
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

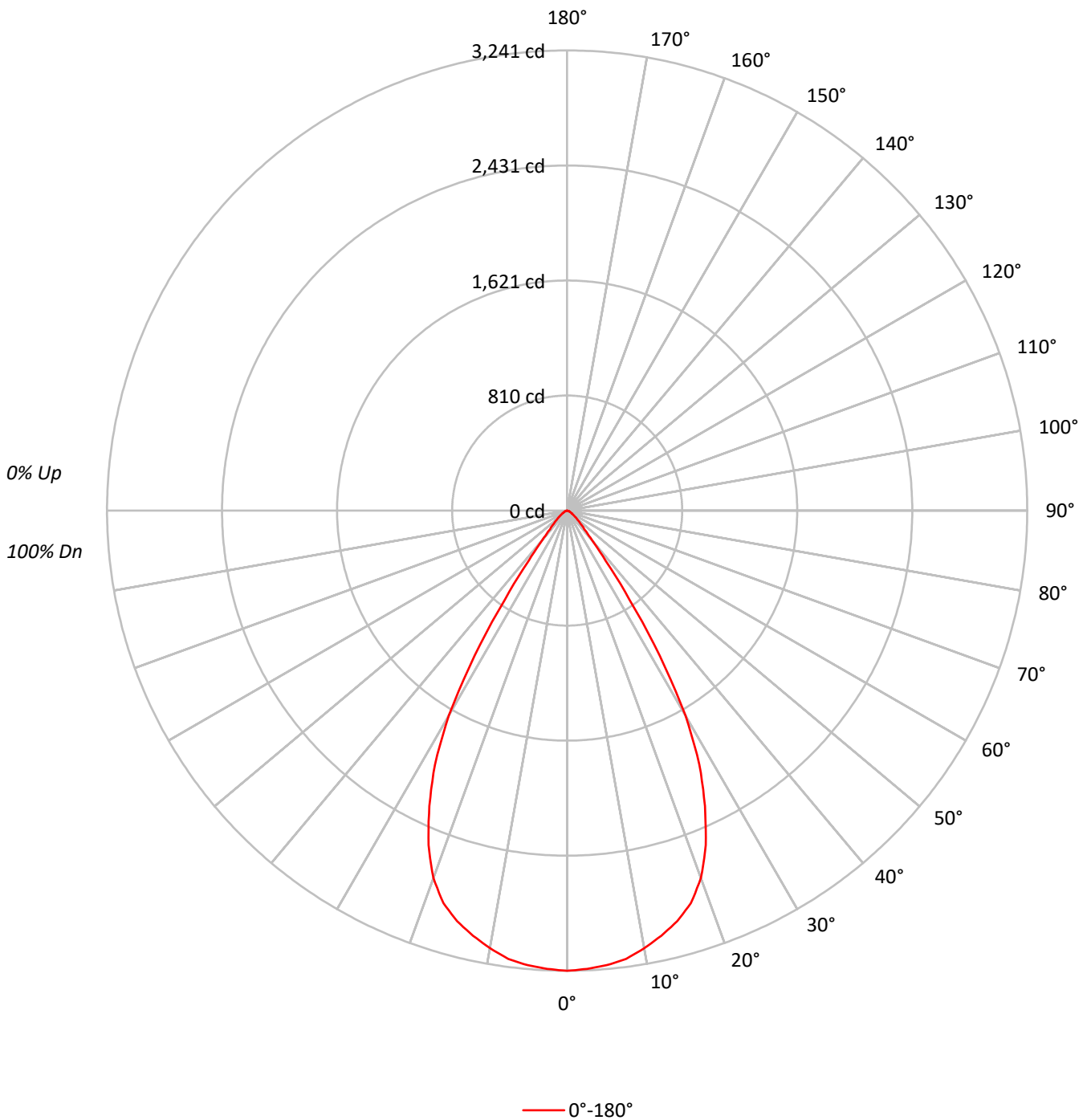
Input Watts (W): 37.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85		90	87	84		88	85	83	81
4	98	90	85	80	96	89	84	80	87	82	79		85	81	78		83	80	77	76
5	93	84	79	74	91	84	78	74	82	77	73		80	76	73		79	75	72	71
6	88	79	73	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	65	73	68	64		72	67	64		71	67	63	62
8	80	71	65	61	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57		64	60	56		64	59	56	55
10	73	63	57	54	72	63	57	54	62	57	53		61	57	53		60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	399788
5°	397922
10°	391952
15°	382286
20°	361521
25°	312438
30°	237156
35°	115402
40°	43152
45°	24264
50°	17078
55°	11290
60°	8437
65°	6975
70°	5337
75°	2716
80°	781
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.2	10.5
10°-20°	838.2	29.0
20°-30°	1035.4	35.8
30°-40°	514.8	17.8
40°-50°	116.9	4.0
50°-60°	49.9	1.7
60°-70°	23.8	0.8
70°-80°	6.6	0.2
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°	2177.8	75.4
0°-40°	2692.6	93.2
0°-60°	2859.5	98.9
0°-90°	2890.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2890.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3241	
5°	3214	304
15°	2994	838
25°	2296	1035
35°	766	515
45°	139	117
55°	52	50
65°	24	24
75°	6	7
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3241.2
2.5°	3230.9
5°	3213.8
7.5°	3184.1
10°	3129.4
12.5°	3066.7
15°	2993.7
17.5°	2899.0
20°	2754.2
22.5°	2551.2
25°	2295.7
27.5°	2017.5
30°	1665.1
32.5°	1213.4
35°	766.4
37.5°	444.8
40°	268.0
42.5°	183.6
45°	139.1
47.5°	111.8
50°	89.0
52.5°	68.4
55°	52.5
57.5°	42.2
60°	34.2
62.5°	28.5
65°	23.9
67.5°	19.4
70°	14.8
72.5°	9.1
75°	5.7
77.5°	2.3
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)