

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: P328480

Luminaire Tested: **L815MED30FL935MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328480
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: L815MED30FL935MB
Description: Medium, 3000lm, 45D, 3500K, black finish
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2689.0 lumens
Efficiency: N/A
Efficacy: 71.3 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

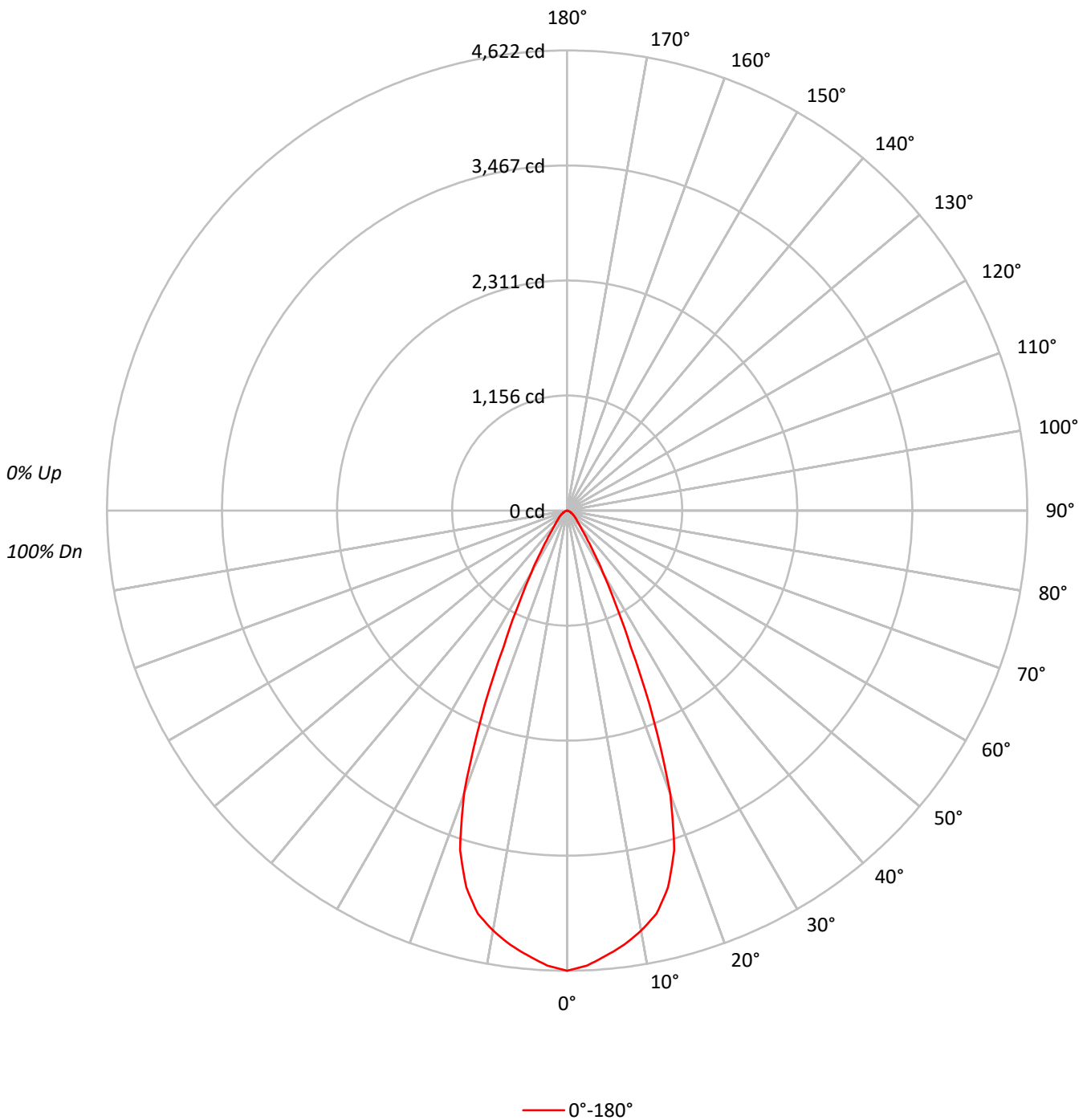
Input Watts (W): 37.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	570165
5°	555665
10°	536452
15°	500278
20°	397224
25°	205846
30°	101992
35°	51618
40°	32058
45°	24072
50°	19976
55°	15806
60°	12828
65°	10244
70°	7754
75°	3765
80°	781
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.3	15.7
10°-20°	1066.5	39.7
20°-30°	741.3	27.6
30°-40°	236.8	8.8
40°-50°	109.8	4.1
50°-60°	67.3	2.5
60°-70°	35.3	1.3
70°-80°	9.5	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°	2230.1	82.9
0°-40°	2466.9	91.7
0°-60°	2644.0	98.3
0°-90°	2689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2689.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4622	
5°	4488	422
15°	3918	1066
25°	1512	741
35°	343	237
45°	138	110
55°	74	67
65°	35	35
75°	8	9
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4622.5
2.5°	4573.8
5°	4487.8
7.5°	4397.3
10°	4283.1
12.5°	4147.3
15°	3917.7
17.5°	3576.0
20°	3026.2
22.5°	2264.9
25°	1512.5
27.5°	1035.1
30°	716.1
32.5°	493.2
35°	342.8
37.5°	253.4
40°	199.1
42.5°	164.0
45°	138.0
47.5°	118.8
50°	104.1
52.5°	88.2
55°	73.5
57.5°	62.2
60°	52.0
62.5°	43.0
65°	35.1
67.5°	28.3
70°	21.5
72.5°	13.6
75°	7.9
77.5°	3.4
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)