

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: P328488

Luminaire Tested: **L815MED30NP935MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815MED30NP935MB
Description: Medium, 3000lm, 8D, 3500K, black finish
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

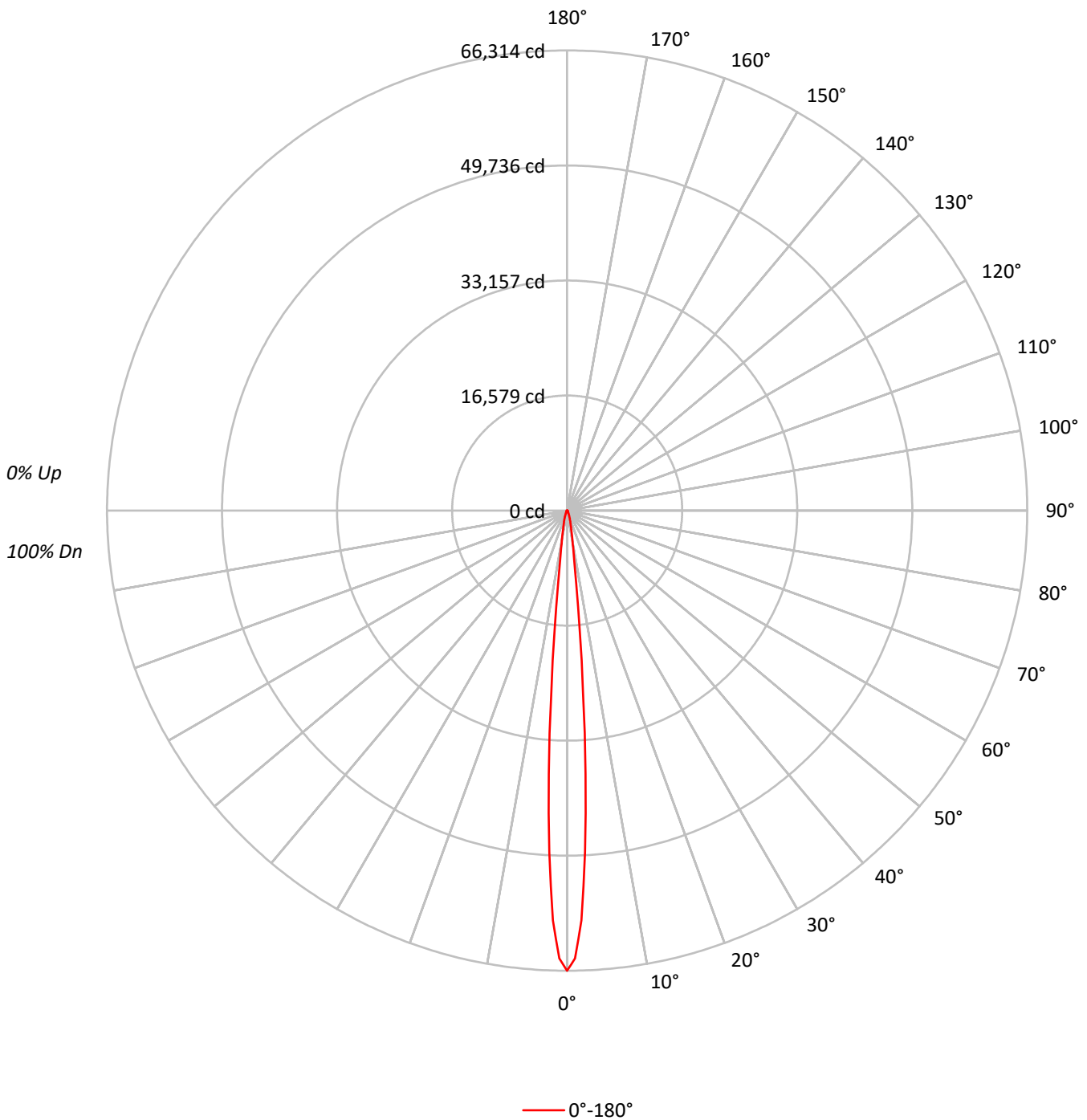
Lumens per Lamp: N/A
Luminaire Lumens: 2919.0 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88
5	102	97	93	90	101	96	92	89	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83
8	96	90	86	83	95	89	86	83	88	85	83	88	85	83	87	84	82	82
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	86	83	81	80
10	92	86	83	81	92	86	83	80	85	82	80	85	82	80	84	82	80	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	8179604
5°	3244458
10°	538280
15°	235486
20°	121876
25°	61774
30°	41745
35°	29287
40°	21721
45°	18089
50°	18921
55°	11161
60°	11520
65°	17424
70°	1875
75°	21017
80°	14704
85°	22078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1789.9	61.3
10°-20°	544.4	18.7
20°-30°	231.3	7.9
30°-40°	120.9	4.1
40°-50°	87.8	3.0
50°-60°	61.9	2.1
60°-70°	43.3	1.5
70°-80°	26.8	0.9
80°-90°	12.7	0.4
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°	2565.6	87.9
0°-40°	2686.5	92.0
0°-60°	2836.2	97.2
0°-90°	2919.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2919.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	66314	
5°	26204	###
15°	1844	544
25°	454	231
35°	194	121
45°	104	88
55°	52	62
65°	60	43
75°	44	27
85°	16	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	66314.5
1°	64548.2
2°	59088.6
3°	49320.9
4°	38090.4
5°	26203.7
6°	17141.5
7°	10719.6
8°	7306.3
9°	5454.5
10°	4297.7
11°	3548.1
12°	2943.8
13°	2495.1
14°	2119.0
15°	1844.1
17.5°	1278.7
20°	928.5
22.5°	651.0
25°	453.9
27.5°	355.3
30°	293.1
32.5°	204.9
35°	194.5
37.5°	166.0
40°	134.9
42.5°	137.5
45°	103.7
47.5°	98.6
50°	98.6
52.5°	80.4
55°	51.9
57.5°	72.6
60°	46.7
62.5°	75.2
65°	59.7
67.5°	15.6
70°	5.2
72.5°	23.3
75°	44.1
77.5°	20.7
80°	20.7
82.5°	20.7
85°	15.6
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)