

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: P328489

Luminaire Tested: **L815MED30NP940MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328489
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: L815MED30NP940MB
Description: Medium, 3000lm, 8D, 4000K, black finish
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

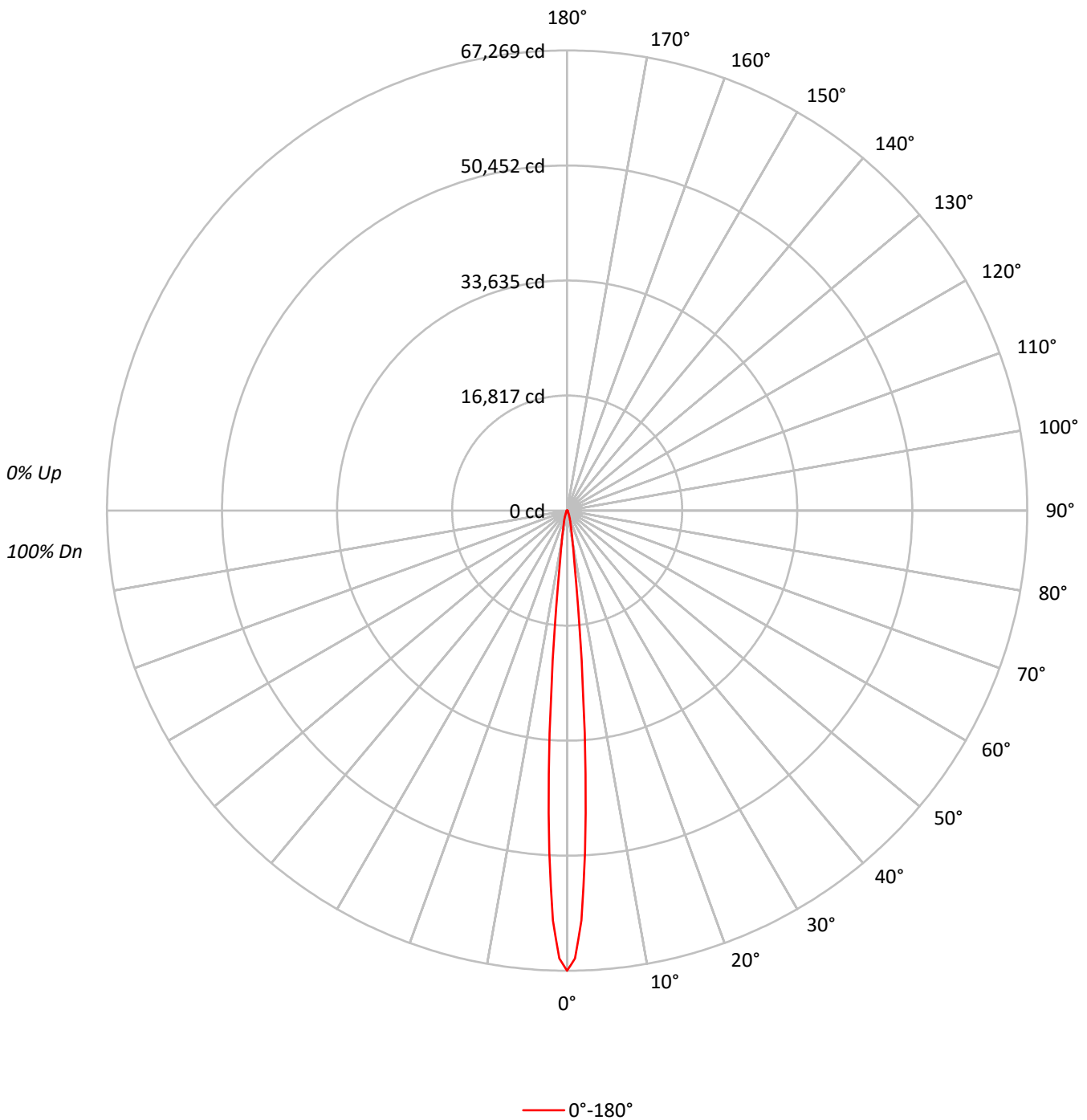
Lumens per Lamp: N/A
Luminaire Lumens: 2961.0 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	8297300
5°	3291137
10°	546021
15°	238870
20°	123635
25°	62659
30°	42344
35°	29709
40°	22027
45°	18351
50°	19189
55°	11311
60°	11693
65°	17658
70°	1911
75°	21303
80°	14917
85°	22361



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1815.7	61.3
10°-20°	552.2	18.7
20°-30°	234.6	7.9
30°-40°	122.6	4.1
40°-50°	89.1	3.0
50°-60°	62.8	2.1
60°-70°	44.0	1.5
70°-80°	27.2	0.9
80°-90°	12.9	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°	2602.5	87.9
0°-40°	2725.1	92.0
0°-60°	2877.0	97.2
0°-90°	2961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2961.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	67269	
5°	26581	###
15°	1871	552
25°	460	235
35°	197	123
45°	105	89
55°	53	63
65°	60	44
75°	45	27
85°	16	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	67268.7
1°	65477.0
2°	59938.8
3°	50030.6
4°	38638.5
5°	26580.7
6°	17388.1
7°	10873.8
8°	7411.4
9°	5532.9
10°	4359.5
11°	3599.2
12°	2986.2
13°	2531.0
14°	2149.5
15°	1870.6
17.5°	1297.1
20°	941.9
22.5°	660.4
25°	460.4
27.5°	360.4
30°	297.3
32.5°	207.8
35°	197.3
37.5°	168.4
40°	136.8
42.5°	139.4
45°	105.2
47.5°	100.0
50°	100.0
52.5°	81.6
55°	52.6
57.5°	73.7
60°	47.4
62.5°	76.3
65°	60.5
67.5°	15.8
70°	5.3
72.5°	23.7
75°	44.7
77.5°	21.0
80°	21.0
82.5°	21.0
85°	15.8
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)