

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: P328491

Luminaire Tested: **L815MED30SP930MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815MED3OSP930MB
Description: Medium, 3000lm, 15D, 3000K, black finish
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

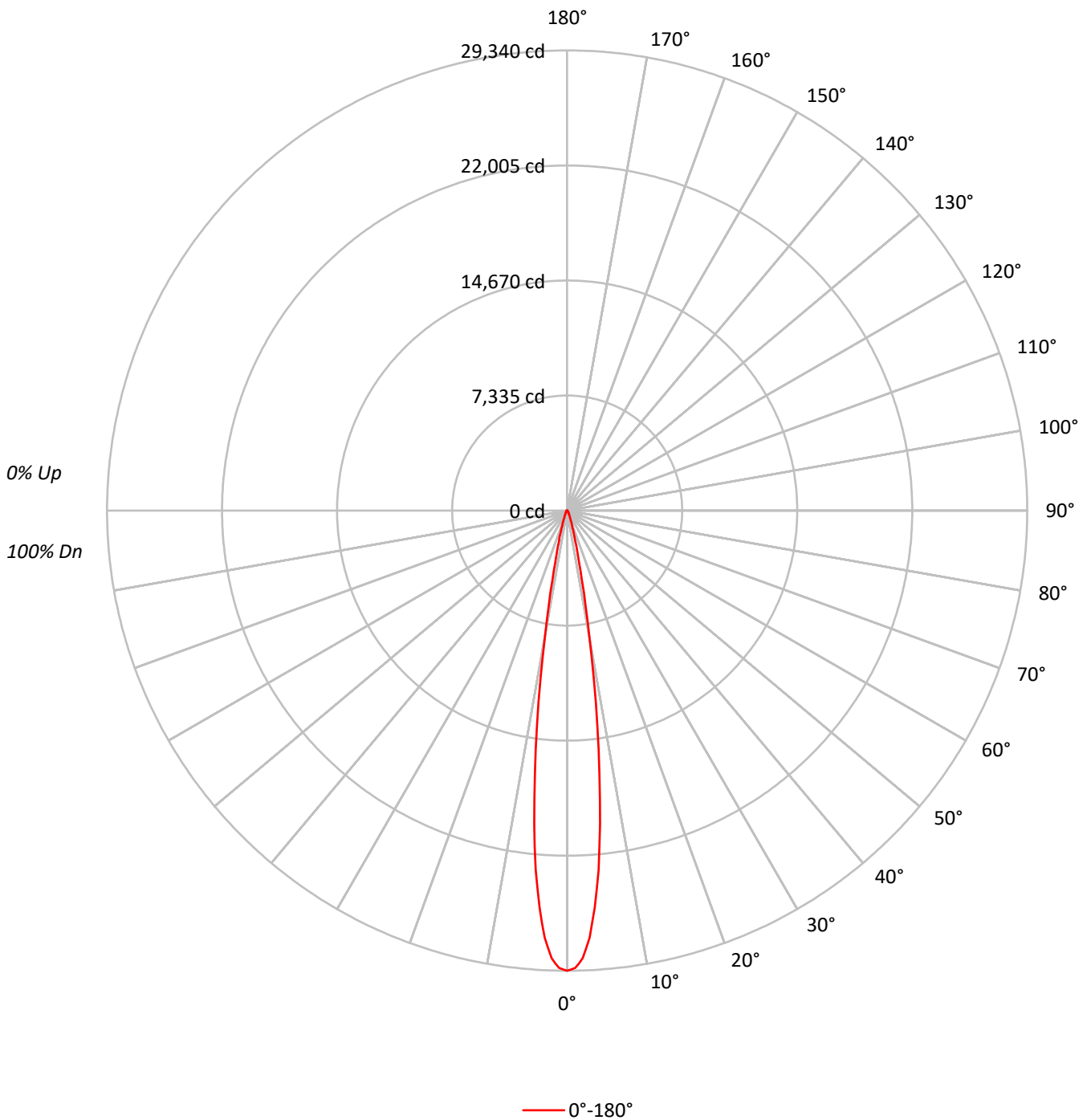
Lumens per Lamp: N/A
Luminaire Lumens: 2763.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.26
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	104	110	107	105	102	104	102	100		101	100	98		98	97	96	95
3	109	105	101	99	107	103	100	98	101	99	97		99	97	95		97	95	94	92
4	106	101	98	95	105	100	97	95	98	96	94		97	94	93		95	93	92	90
5	104	99	95	92	102	98	94	92	96	93	91		95	92	90		93	91	90	89
6	101	96	92	90	100	95	92	89	94	91	89		93	90	88		92	90	88	87
7	99	94	90	88	98	93	90	88	92	89	87		91	89	87		90	88	86	85
8	97	92	88	86	97	91	88	86	91	88	86		90	87	85		89	87	85	84
9	96	90	87	84	95	90	87	84	89	86	84		88	86	84		88	85	84	83
10	94	89	85	83	93	88	85	83	88	85	83		87	84	83		87	84	82	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3619022
5°	2847303
10°	1025196
15°	257130
20°	92159
25°	45239
30°	26862
35°	20207
40°	17841
45°	13013
50°	10631
55°	10301
60°	9202
65°	7472
70°	4219
75°	5576
80°	2273
85°	7501



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1676.0	60.7
10°-20°	696.9	25.2
20°-30°	164.8	6.0
30°-40°	89.5	3.2
40°-50°	64.0	2.3
50°-60°	43.0	1.6
60°-70°	17.3	0.6
70°-80°	7.3	0.3
80°-90°	4.2	0.2
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°	2537.7	91.8
0°-40°	2627.2	95.1
0°-60°	2734.2	99.0
0°-90°	2763.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2763.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	29340	
5°	22996	###
15°	2014	697
25°	332	165
35°	134	89
45°	75	64
55°	48	43
65°	26	17
75°	12	7
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	29340.5
1°	29171.1
2°	28562.7
3°	27258.7
4°	25348.5
5°	22996.1
6°	20073.8
7°	16893.7
8°	13846.7
9°	10809.3
10°	8185.3
11°	6150.4
12°	4551.3
13°	3411.3
14°	2580.3
15°	2013.6
17.5°	1144.2
20°	702.1
22.5°	466.6
25°	332.4
27.5°	237.6
30°	188.6
32.5°	165.1
35°	134.2
37.5°	126.8
40°	110.8
42.5°	96.9
45°	74.6
47.5°	78.8
50°	55.4
52.5°	54.3
55°	47.9
57.5°	43.7
60°	37.3
62.5°	18.1
65°	25.6
67.5°	2.1
70°	11.7
72.5°	7.5
75°	11.7
77.5°	1.1
80°	3.2
82.5°	5.3
85°	5.3
87.5°	3.2



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)