

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: P328490

Luminaire Tested: **L815MED30SP927MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328490
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: L815MED3OSP927MB
Description: Medium, 3000lm, 15D, 2700K, black finish
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

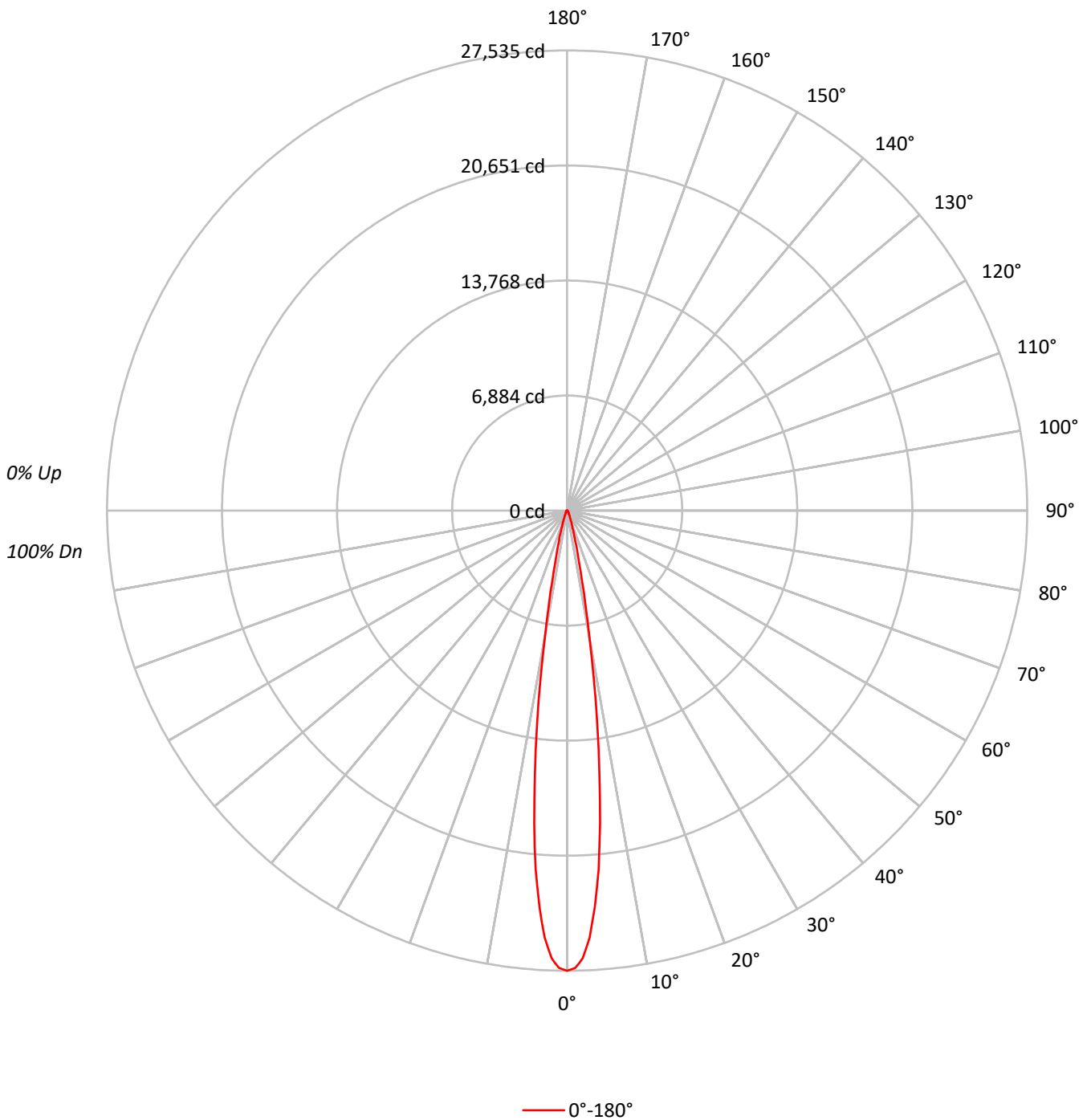
Lumens per Lamp: N/A
Luminaire Lumens: 2593.0 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.26
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P328490
CATALOG NUMBER: L815MED30SP927MB

Luminous Intensity Polar Plot





TEST NUMBER: P328490

CATALOG NUMBER: L815MED30SP927MB

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°	3396347
5°	2672127
10°	962121
15°	241309
20°	86488
25°	42449
30°	25210
35°	18973
40°	16746
45°	12211
50°	9978
55°	9677
60°	8634
65°	7005
70°	3967
75°	5242
80°	2131
85°	7076



TEST NUMBER: P328490

CATALOG NUMBER: L815MED30SP927MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1572.8	60.7
10°-20°	654.1	25.2
20°-30°	154.7	6.0
30°-40°	84.0	3.2
40°-50°	60.1	2.3
50°-60°	40.3	1.6
60°-70°	16.2	0.6
70°-80°	6.8	0.3
80°-90°	4.0	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°	2381.6	91.8
0°-40°	2465.6	95.1
0°-60°	2566.0	99.0
0°-90°	2593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2593.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	27535	
5°	21581	###
15°	1890	654
25°	312	155
35°	126	84
45°	70	60
55°	45	40
65°	24	16
75°	11	7
85°	5	4
90°	0	



TEST NUMBER: P328490

CATALOG NUMBER: L815MED3OSP927MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	27535.2
1°	27376.2
2°	26805.3
3°	25581.6
4°	23788.9
5°	21581.3
6°	18838.7
7°	15854.2
8°	12994.7
9°	10144.2
10°	7681.7
11°	5772.0
12°	4271.3
13°	3201.4
14°	2421.6
15°	1889.7
17.5°	1073.8
20°	658.9
22.5°	437.9
25°	311.9
27.5°	223.0
30°	177.0
32.5°	155.0
35°	126.0
37.5°	119.0
40°	104.0
42.5°	91.0
45°	70.0
47.5°	74.0
50°	52.0
52.5°	51.0
55°	45.0
57.5°	41.0
60°	35.0
62.5°	17.0
65°	24.0
67.5°	2.0
70°	11.0
72.5°	7.0
75°	11.0
77.5°	1.0
80°	3.0
82.5°	5.0
85°	5.0
87.5°	3.0



TEST NUMBER: P328490

CATALOG NUMBER: L815MED30SP927MB

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)