

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: P328507

Luminaire Tested: **L815SML05NF930MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815SML05NF930MB
Description: Small, 500lm, 25D, 3000K, black finish
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 635.0 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.39
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

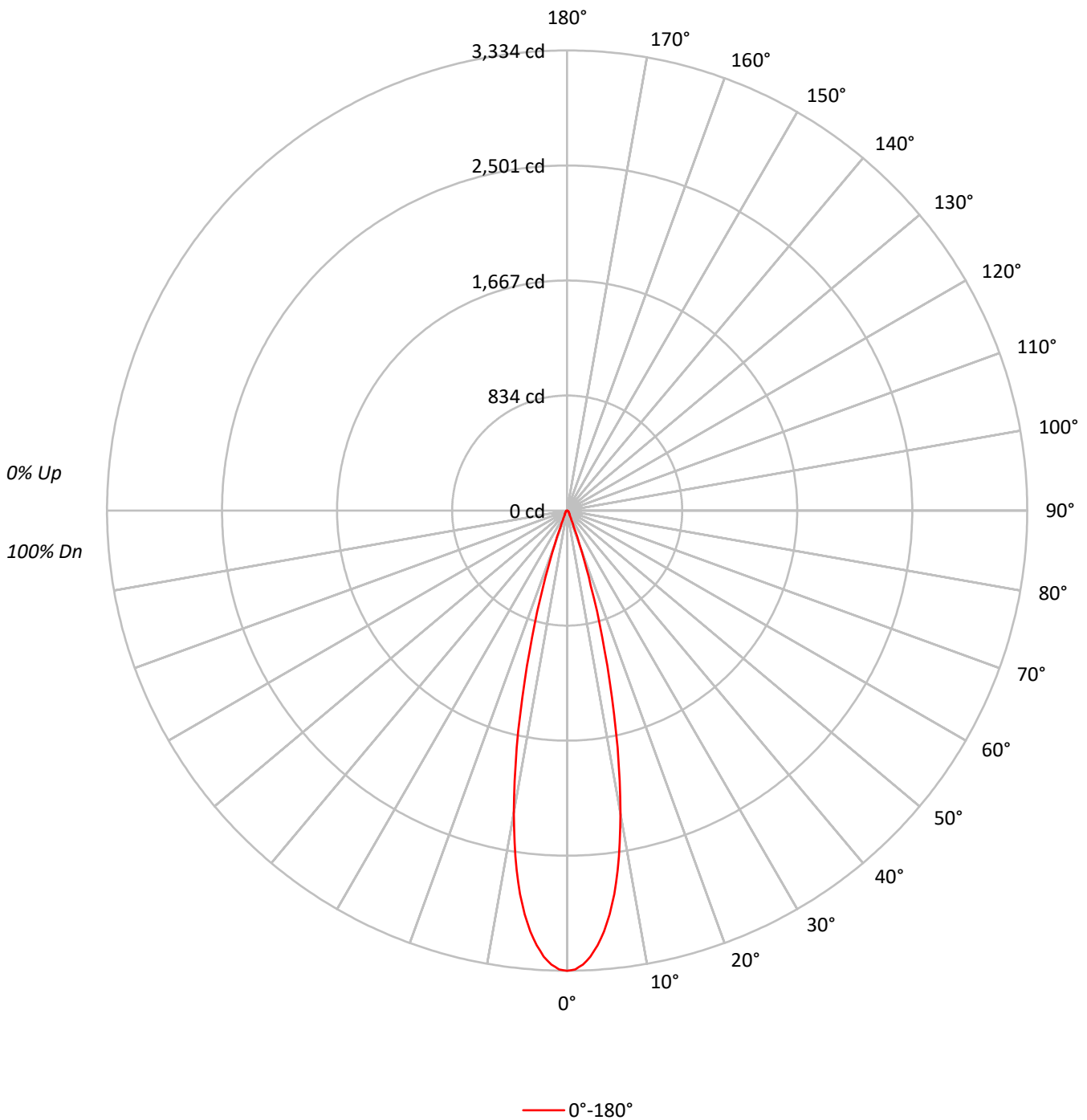
Input Watts (W): 6.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	113	111	109	108	107	106	105		103	102	101		100	99	99	97
2	112	108	105	103	110	106	104	102	103	101	99		100	99	97		98	97	95	94
3	108	104	100	97	106	102	99	97	100	97	95		98	96	94		96	94	92	91
4	105	100	96	93	104	99	95	93	97	94	92		95	93	91		93	91	90	89
5	102	97	93	90	101	96	92	89	94	91	89		93	90	88		91	89	87	86
6	100	94	90	87	98	93	89	87	92	88	86		90	88	85		89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86	83	81	80
9	93	86	82	80	92	86	82	80	85	82	80		84	81	79		84	81	79	78
10	90	84	81	78	90	84	80	78	83	80	78		83	80	78		82	79	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	731169
5°	673760
10°	495582
15°	237890
20°	60135
25°	16840
30°	9039
35°	6987
40°	6212
45°	5241
50°	4264
55°	3250
60°	1447
65°	934
70°	449
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.7	41.9
10°-20°	288.0	45.4
20°-30°	41.9	6.6
30°-40°	16.8	2.6
40°-50°	13.1	2.1
50°-60°	7.2	1.1
60°-70°	1.9	0.3
70°-80°	0.2	0.0
80°-90°	0.0	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°	595.7	93.8
0°-40°	612.5	96.5
0°-60°	632.8	99.7
0°-90°	635.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	635.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3334	
5°	3061	266
15°	1048	288
25°	70	42
35°	26	17
45°	17	13
55°	8	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3334.4
1°	3324.8
2°	3290.6
3°	3236.8
4°	3157.0
5°	3060.9
6°	2940.9
7°	2799.9
8°	2632.1
9°	2435.5
10°	2225.7
11°	1995.7
12°	1756.4
13°	1512.4
14°	1275.7
15°	1047.9
17.5°	569.4
20°	257.7
22.5°	121.1
25°	69.6
27.5°	47.1
30°	35.7
32.5°	29.4
35°	26.1
37.5°	23.9
40°	21.7
42.5°	19.5
45°	16.9
47.5°	14.7
50°	12.5
52.5°	10.3
55°	8.5
57.5°	5.9
60°	3.3
62.5°	2.6
65°	1.8
67.5°	1.5
70°	0.7
72.5°	0.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)