

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: P328510

Luminaire Tested: **L815SML05NP927MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815SML05NP927MB
Description: Small, 500lm, 8D, 2700K, black finish
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

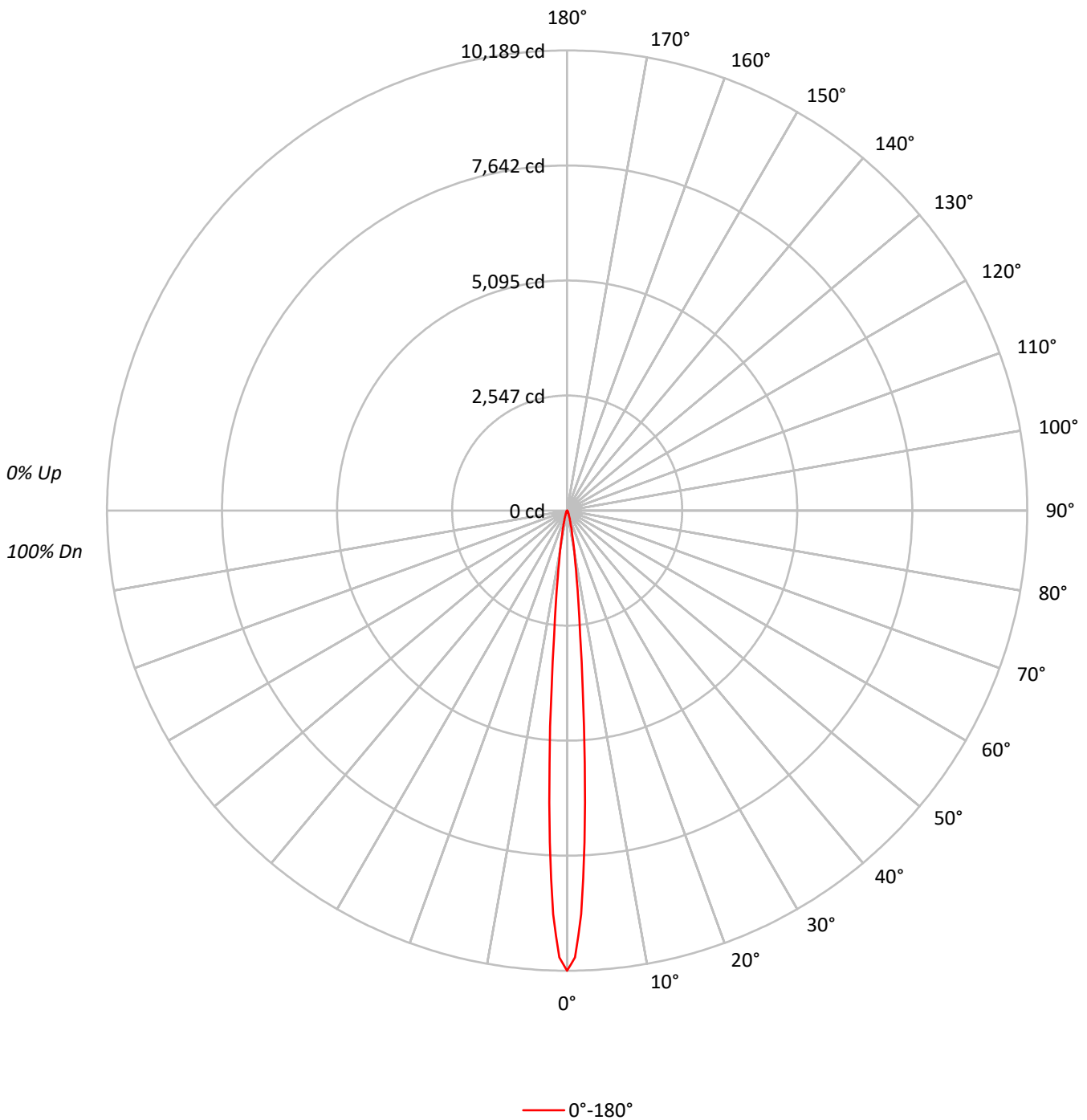
Lumens per Lamp: N/A
Luminaire Lumens: 441.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 6
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	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101	100	99	98
2	112	109	107	104	110	108	105	103	105	103	101		102	100	99		99	98	97	96
3	110	106	102	100	108	104	101	99	102	100	98		100	98	96		98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95		98	96	94		96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95	93	91	90
6	103	97	94	91	101	97	94	91	96	93	91		94	92	90		93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92	90	88	87
8	99	94	90	88	98	93	90	88	92	89	88		91	89	87		91	89	87	86
9	97	92	89	87	97	92	89	86	91	88	86		90	88	86		90	87	86	85
10	96	91	87	85	95	90	87	85	90	87	85		89	87	85		88	86	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2234229
5°	873011
10°	199083
15°	64427
20°	26976
25°	14323
30°	8330
35°	5729
40°	4380
45°	3752
50°	3173
55°	2714
60°	1447
65°	830
70°	321
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.7	65.9
10°-20°	90.4	20.5
20°-30°	28.8	6.5
30°-40°	13.8	3.1
40°-50°	9.3	2.1
50°-60°	6.0	1.4
60°-70°	1.7	0.4
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°	409.9	93.0
0°-40°	423.8	96.1
0°-60°	439.1	99.6
0°-90°	441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	441.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10189	
5°	3966	291
15°	284	90
25°	59	29
35°	21	14
45°	12	9
55°	7	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10188.9
1°	9896.3
2°	8941.9
3°	7354.7
4°	5609.2
5°	3966.1
6°	2770.6
7°	2020.6
8°	1496.3
9°	1161.5
10°	894.1
11°	699.1
12°	545.7
13°	436.1
14°	351.2
15°	283.8
17.5°	175.9
20°	115.6
22.5°	81.1
25°	59.2
27.5°	43.8
30°	32.9
32.5°	25.8
35°	21.4
37.5°	18.1
40°	15.3
42.5°	13.7
45°	12.1
47.5°	10.4
50°	9.3
52.5°	8.2
55°	7.1
57.5°	5.5
60°	3.3
62.5°	2.2
65°	1.6
67.5°	1.1
70°	0.5
72.5°	0.5
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)