

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: P328513

Luminaire Tested: **L815SML05NP940MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328513
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: L815SML05NP940MB
Description: Small, 500lm, 8D, 4000K, black finish
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 502.0 lumens
Efficiency: N/A
Efficacy: 83.7 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

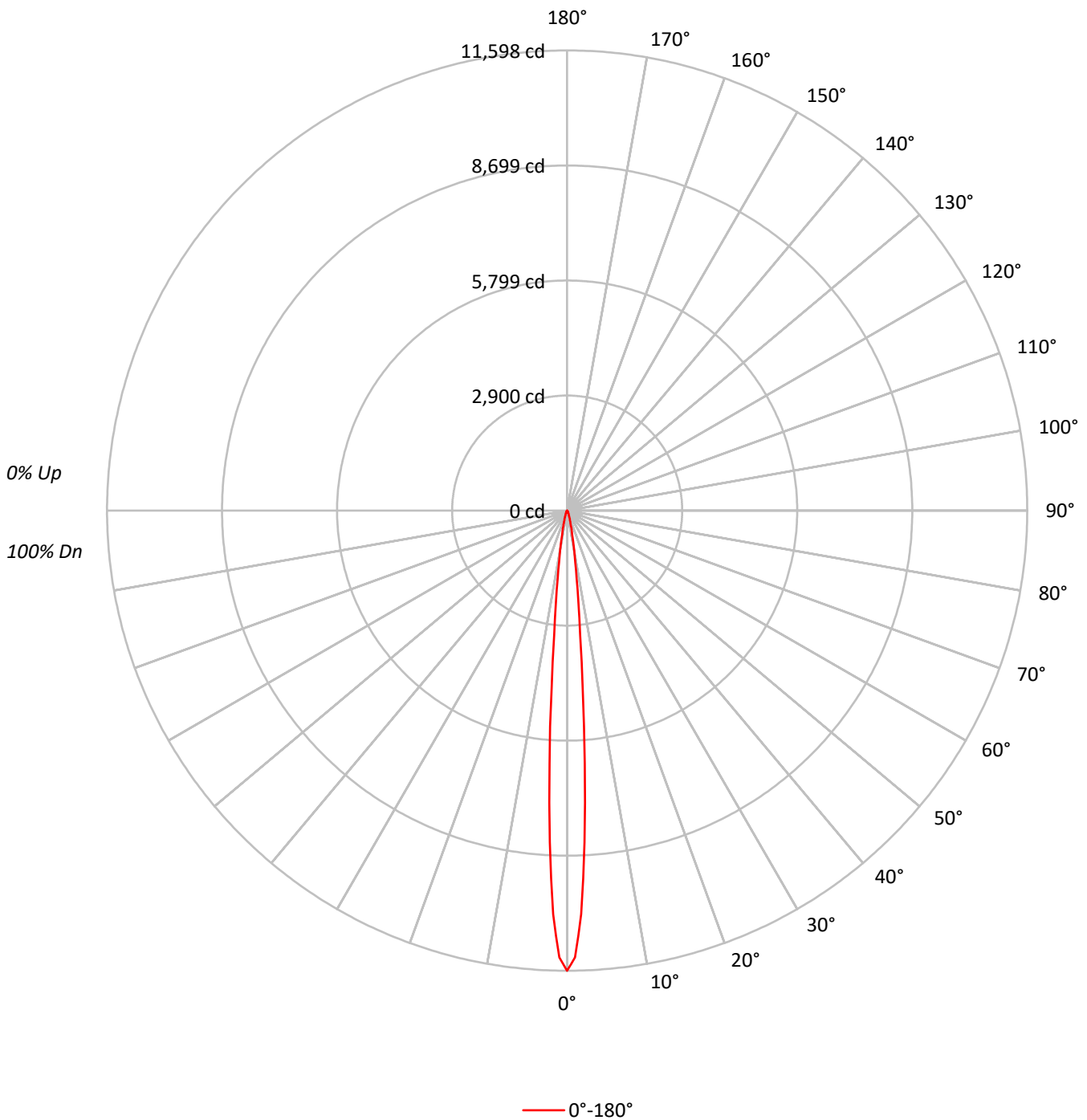
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2543283
5°	993768
10°	226627
15°	73349
20°	30709
25°	16307
30°	9470
35°	6505
40°	5009
45°	4249
50°	3616
55°	3097
60°	1623
65°	986
70°	385
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.9	65.9
10°-20°	103.0	20.5
20°-30°	32.8	6.5
30°-40°	15.7	3.1
40°-50°	10.6	2.1
50°-60°	6.9	1.4
60°-70°	1.9	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°	466.6	93.0
0°-40°	482.4	96.1
0°-60°	499.8	99.6
0°-90°	502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	502.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11598	
5°	4515	331
15°	323	103
25°	67	33
35°	24	16
45°	14	11
55°	8	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11598.3
1°	11265.2
2°	10178.8
3°	8372.0
4°	6385.1
5°	4514.7
6°	3153.9
7°	2300.1
8°	1703.2
9°	1322.2
10°	1017.8
11°	795.8
12°	621.2
13°	496.4
14°	399.8
15°	323.1
17.5°	200.2
20°	131.6
22.5°	92.3
25°	67.4
27.5°	49.9
30°	37.4
32.5°	29.3
35°	24.3
37.5°	20.6
40°	17.5
42.5°	15.6
45°	13.7
47.5°	11.8
50°	10.6
52.5°	9.4
55°	8.1
57.5°	6.2
60°	3.7
62.5°	2.5
65°	1.9
67.5°	1.2
70°	0.6
72.5°	0.6
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)