

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: P328511

Luminaire Tested: **L815SML05NP930MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328511  
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: L815SML05NP930MB  
Description: Small, 500lm, 8D, 3000K, black finish  
Light Source: (1) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 469.0 lumens  
Efficiency: N/A  
Efficacy: 78.2 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

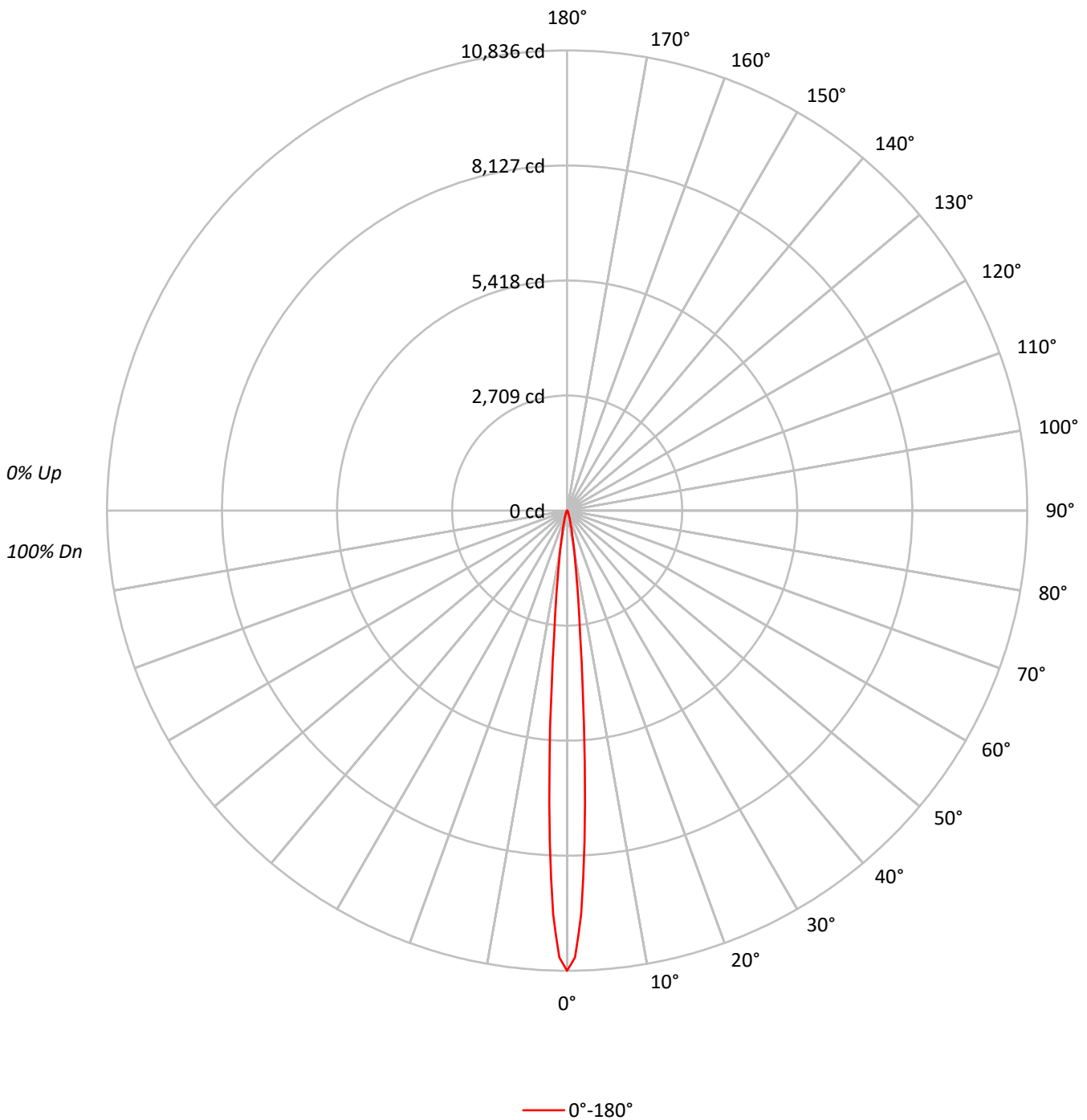
Input Watts (W): 6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	99	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	87	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°	2376082
5°	928437
10°	211731
15°	68513
20°	28679
25°	15219
30°	8862
35°	6077
40°	4666
45°	3969
50°	3377
55°	2906
60°	1535
65°	882
70°	385
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	309.1	65.9
10°-20°	96.2	20.5
20°-30°	30.6	6.5
30°-40°	14.7	3.1
40°-50°	9.9	2.1
50°-60°	6.4	1.4
60°-70°	1.8	0.4
70°-80°	0.2	0.1
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°	435.9	93.0
0°-40°	450.6	96.1
0°-60°	467.0	99.6
0°-90°	469.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	469.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10836	
5°	4218	309
15°	302	96
25°	63	31
35°	23	15
45°	13	10
55°	8	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	10835.8
1°	10524.7
2°	9509.7
3°	7821.7
4°	5965.3
5°	4217.9
6°	2946.5
7°	2148.9
8°	1591.3
9°	1235.2
10°	950.9
11°	743.5
12°	580.3
13°	463.8
14°	373.5
15°	301.8
17.5°	187.0
20°	122.9
22.5°	86.2
25°	62.9
27.5°	46.6
30°	35.0
32.5°	27.4
35°	22.7
37.5°	19.2
40°	16.3
42.5°	14.6
45°	12.8
47.5°	11.1
50°	9.9
52.5°	8.7
55°	7.6
57.5°	5.8
60°	3.5
62.5°	2.3
65°	1.7
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)