

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P#

Luminaire Tested: **RL4069S1EWH -3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25992-R2)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: RL4069S1EWH -3000K  
Description: Halo RL 4in Downlight - SeleCCTable 3000K  
Light Source: -  
Ballast/Driver: -

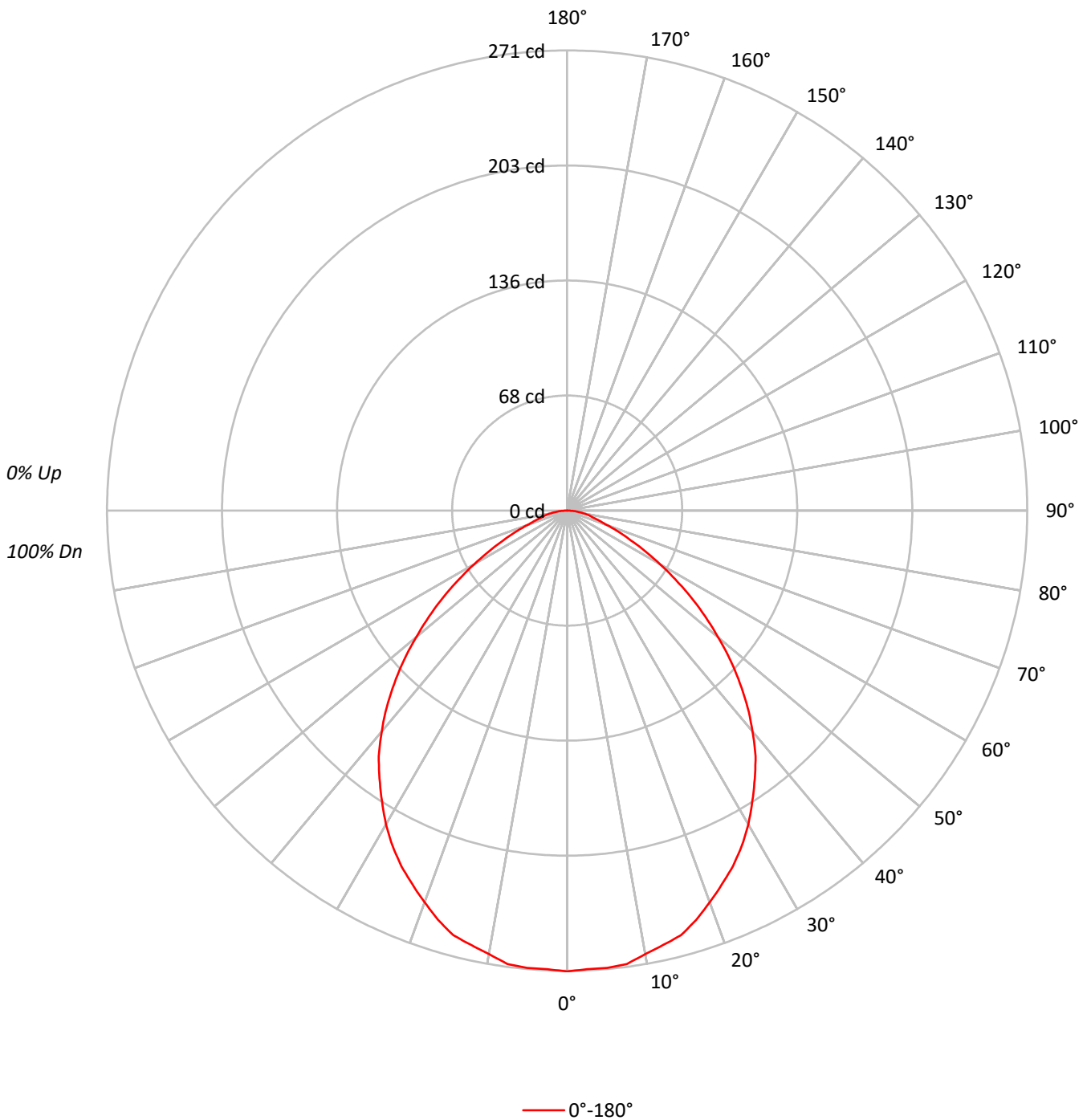
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 580.0 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.25  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.6  
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	110	106	103	100	108	104	101	98	100	97	95		96	94	92		93	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81		86	82	79		83	80	77	75
3	94	85	77	72	92	83	76	71	80	74	70		78	73	69		75	71	67	65
4	87	76	68	62	85	75	67	62	72	66	61		70	64	60		68	63	59	57
5	80	69	60	54	78	67	60	54	65	59	54		64	58	53		62	57	52	50
6	75	62	54	48	73	61	54	48	60	53	48		58	52	47		56	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43		53	47	42		52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38		49	43	38		48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35		45	39	35		44	39	35	33
10	57	45	37	32	56	44	37	32	43	36	32		42	36	32		41	36	32	30

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	34156
5°	34147
10°	33890
15°	33732
20°	32879
25°	32077
30°	31011
35°	29590
40°	27912
45°	25629
50°	22711
55°	19550
60°	15907
65°	12328
70°	9162
75°	7537
80°	7537
85°	7509



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.7	4.4
10°-20°	72.6	12.5
20°-30°	106.2	18.3
30°-40°	120.3	20.7
40°-50°	110.7	19.1
50°-60°	79.6	13.7
60°-70°	42.0	7.2
70°-80°	17.5	3.0
80°-90°	5.4	0.9
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°	204.5	35.3
0°-40°	324.8	56.0
0°-60°	515.1	88.8
0°-90°	580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	580.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	271	
5°	270	26
15°	259	73
25°	231	106
35°	193	120
45°	144	111
55°	89	80
65°	41	42
75°	16	17
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	271.4
2.5°	270.3
5°	270.3
7.5°	269.3
10°	265.2
12.5°	262.0
15°	258.9
17.5°	252.7
20°	245.5
22.5°	238.2
25°	231.0
27.5°	222.7
30°	213.4
32.5°	203.0
35°	192.6
37.5°	182.3
40°	169.9
42.5°	157.4
45°	144.0
47.5°	130.5
50°	116.0
52.5°	102.5
55°	89.1
57.5°	75.6
60°	63.2
62.5°	51.8
65°	41.4
67.5°	33.1
70°	24.9
72.5°	19.7
75°	15.5
77.5°	13.5
80°	10.4
82.5°	7.3
85°	5.2
87.5°	2.1
90°	0.0

(END OF REPORT)