

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: **RL56069S1EWH-5000K**

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 (P27974)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: RL56069S1EWH-5000K  
Description: Halo RL 5/6in Downlight - SeleCCTable 5000K  
Light Source: -  
Ballast/Driver: -

**Summary**

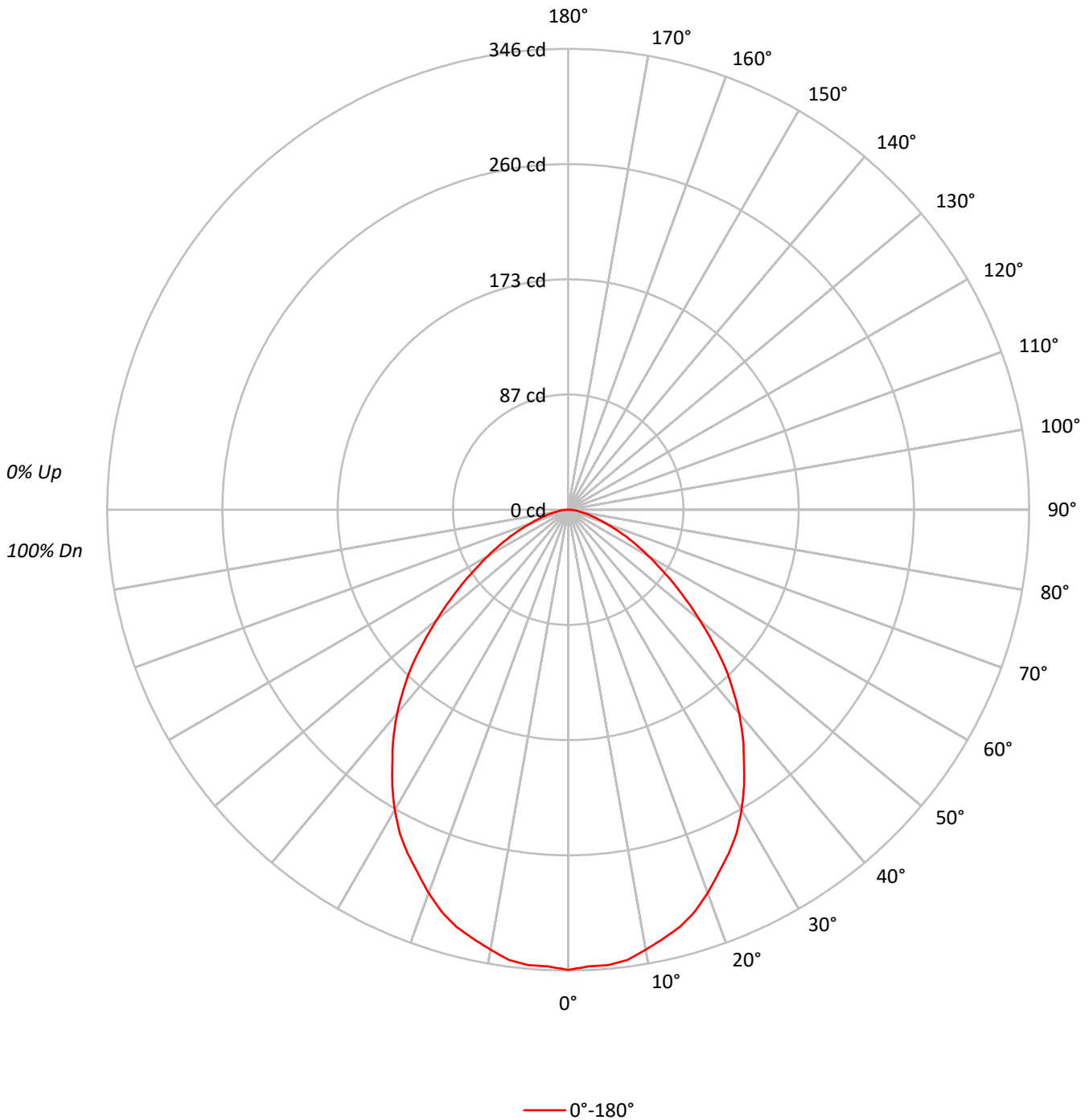
Lumens per Lamp: N/A  
Luminaire Lumens: 685.0 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.21  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	111	107	103	100	108	105	101	98	100	98	95		97	94	92		93	91	90	88
2	102	95	89	85	100	93	88	84	90	86	82		87	83	80		84	81	78	76
3	94	85	78	73	92	84	77	72	81	75	71		78	74	70		76	72	68	66
4	87	77	69	63	85	75	68	63	73	67	62		71	65	61		69	64	60	58
5	81	69	61	56	79	68	61	55	66	60	55		64	59	54		63	58	54	52
6	75	63	55	49	73	62	55	49	61	54	49		59	53	48		57	52	48	46
7	70	58	50	44	69	57	49	44	56	49	44		54	48	43		53	47	43	41
8	66	53	45	40	64	52	45	40	51	44	40		50	44	39		49	43	39	37
9	62	49	41	36	60	49	41	36	47	41	36		46	40	36		45	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33		43	37	33		42	37	33	31

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

	0°
0°	18940
5°	18886
10°	18670
15°	18400
20°	17863
25°	17233
30°	16471
35°	15392
40°	14291
45°	12870
50°	11002
55°	9223
60°	7620
65°	6252
70°	4857
75°	3791
80°	2841
85°	2830



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.5	4.7
10°-20°	91.1	13.3
20°-30°	130.9	19.1
30°-40°	143.9	21.0
40°-50°	127.0	18.5
50°-60°	86.9	12.7
60°-70°	48.0	7.0
70°-80°	19.7	2.9
80°-90°	4.9	0.7
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°	254.6	37.2
0°-40°	398.5	58.2
0°-60°	612.4	89.4
0°-90°	685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	685.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	346	
5°	343	33
15°	324	91
25°	285	131
35°	230	144
45°	166	127
55°	96	87
65°	48	48
75°	18	20
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	345.5
2.5°	343.2
5°	343.2
7.5°	341.0
10°	335.4
12.5°	329.8
15°	324.2
17.5°	316.3
20°	306.2
22.5°	295.0
25°	284.9
27.5°	273.7
30°	260.2
32.5°	245.7
35°	230.0
37.5°	215.4
40°	199.7
42.5°	182.8
45°	166.0
47.5°	146.9
50°	129.0
52.5°	112.2
55°	96.5
57.5°	81.9
60°	69.5
62.5°	58.3
65°	48.2
67.5°	38.1
70°	30.3
72.5°	23.6
75°	17.9
77.5°	13.5
80°	9.0
82.5°	6.7
85°	4.5
87.5°	2.2
90°	0.0

(END OF REPORT)