

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-4000K**

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-4000K  
Description: Halo RL 5/6in Downlight - SeleCCTable 4000K  
Light Source: -  
Ballast/Driver: -

**Summary**

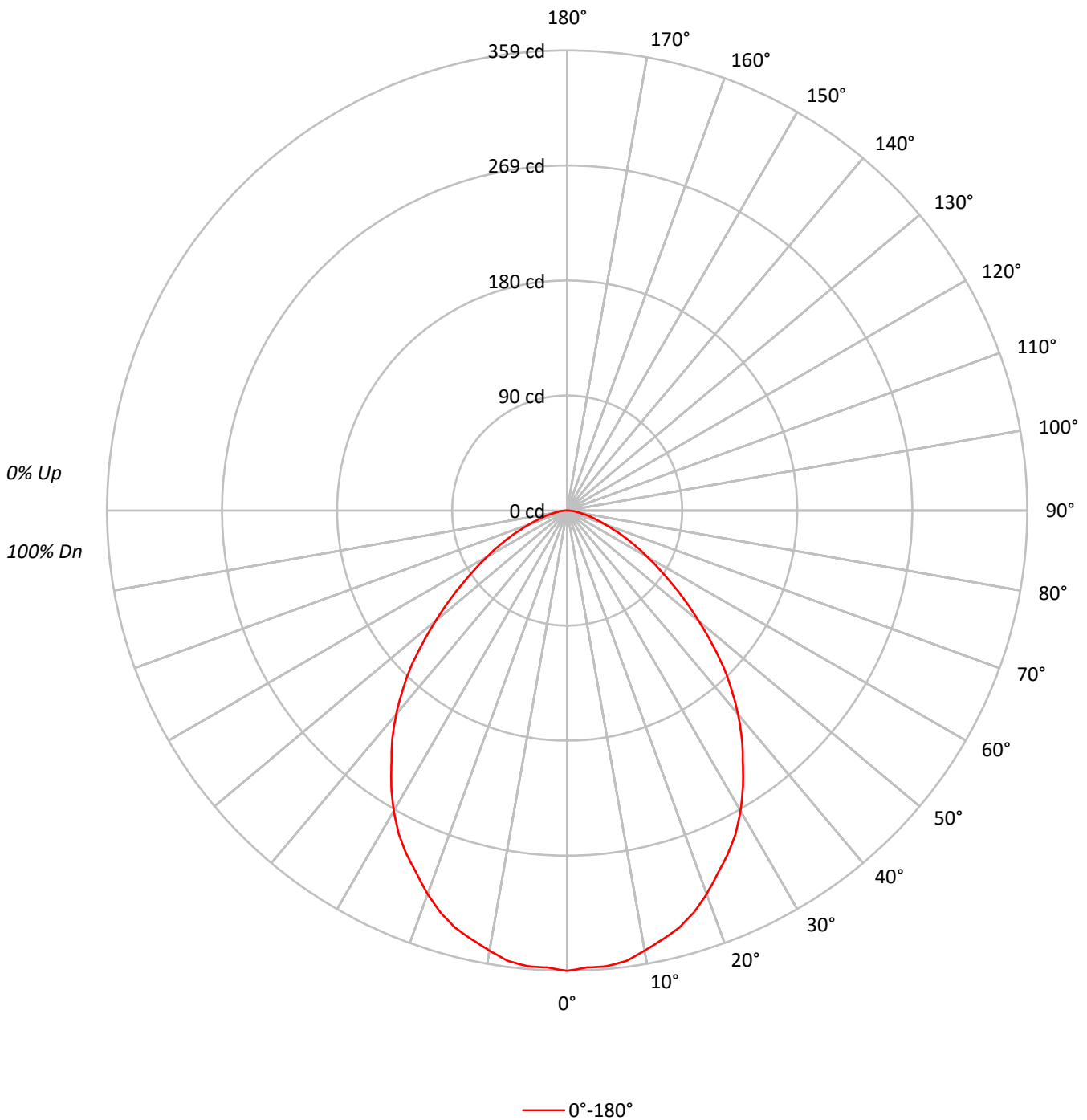
Lumens per Lamp: N/A  
Luminaire Lumens: 712.0 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.21  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	19686
5°	19635
10°	19405
15°	19126
20°	18569
25°	17910
30°	17123
35°	15995
40°	14849
45°	13381
50°	11437
55°	9586
60°	7927
65°	6499
70°	5049
75°	3961
80°	2936
85°	2956



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.8	4.7
10°-20°	94.7	13.3
20°-30°	136.1	19.1
30°-40°	149.6	21.0
40°-50°	132.1	18.5
50°-60°	90.3	12.7
60°-70°	49.9	7.0
70°-80°	20.4	2.9
80°-90°	5.1	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°	264.6	37.2
0°-40°	414.2	58.2
0°-60°	636.6	89.4
0°-90°	712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	359	
5°	357	34
15°	337	95
25°	296	136
35°	239	150
45°	173	132
55°	100	90
65°	50	50
75°	19	20
85°	5	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	359.1
2.5°	356.8
5°	356.8
7.5°	354.4
10°	348.6
12.5°	342.8
15°	337.0
17.5°	328.8
20°	318.3
22.5°	306.6
25°	296.1
27.5°	284.5
30°	270.5
32.5°	255.3
35°	239.0
37.5°	223.9
40°	207.5
42.5°	190.0
45°	172.6
47.5°	152.7
50°	134.1
52.5°	116.6
55°	100.3
57.5°	85.1
60°	72.3
62.5°	60.6
65°	50.1
67.5°	39.6
70°	31.5
72.5°	24.5
75°	18.7
77.5°	14.0
80°	9.3
82.5°	7.0
85°	4.7
87.5°	2.3
90°	0.0

(END OF REPORT)