

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-2700K**

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-2700K
Description: Halo RL 5/6in Downlight - SeleCCTable 2700K
Light Source: -
Ballast/Driver: -

Summary

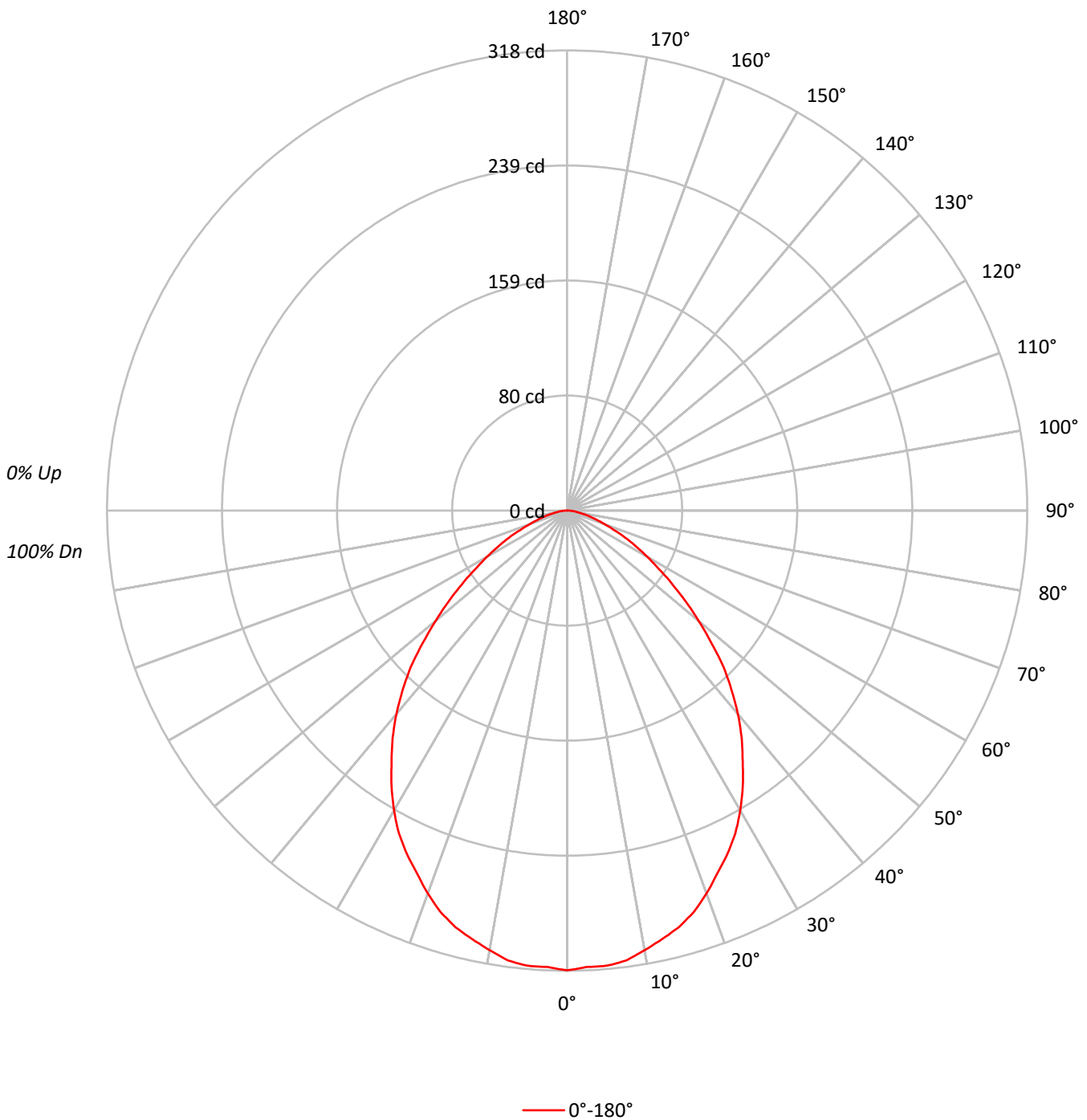
Lumens per Lamp: N/A
Luminaire Lumens: 630.0 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	17416
5°	17373
10°	17173
15°	16918
20°	16428
25°	15848
30°	15148
35°	14154
40°	13139
45°	11838
50°	10115
55°	8478
60°	7017
65°	5759
70°	4472
75°	3495
80°	2620
85°	2579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.9	4.7
10°-20°	83.8	13.3
20°-30°	120.4	19.1
30°-40°	132.3	21.0
40°-50°	116.8	18.5
50°-60°	79.9	12.7
60°-70°	44.2	7.0
70°-80°	18.1	2.9
80°-90°	4.5	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°	234.1	37.2
0°-40°	366.4	58.2
0°-60°	563.2	89.4
0°-90°	630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	630.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	318	
5°	316	30
15°	298	84
25°	262	120
35°	212	132
45°	153	117
55°	89	80
65°	44	44
75°	16	18
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	317.7
2.5°	315.7
5°	315.7
7.5°	313.6
10°	308.5
12.5°	303.3
15°	298.1
17.5°	290.9
20°	281.6
22.5°	271.3
25°	262.0
27.5°	251.7
30°	239.3
32.5°	225.9
35°	211.5
37.5°	198.1
40°	183.6
42.5°	168.2
45°	152.7
47.5°	135.1
50°	118.6
52.5°	103.2
55°	88.7
57.5°	75.3
60°	64.0
62.5°	53.6
65°	44.4
67.5°	35.1
70°	27.9
72.5°	21.7
75°	16.5
77.5°	12.4
80°	8.3
82.5°	6.2
85°	4.1
87.5°	2.1
90°	0.0

(END OF REPORT)