

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 -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 (P25992-R2)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RL4069S1EWH -2700K
Description: Halo RL 4in Downlight - SeleCCTable 2700K
Light Source: -
Ballast/Driver: -

Summary

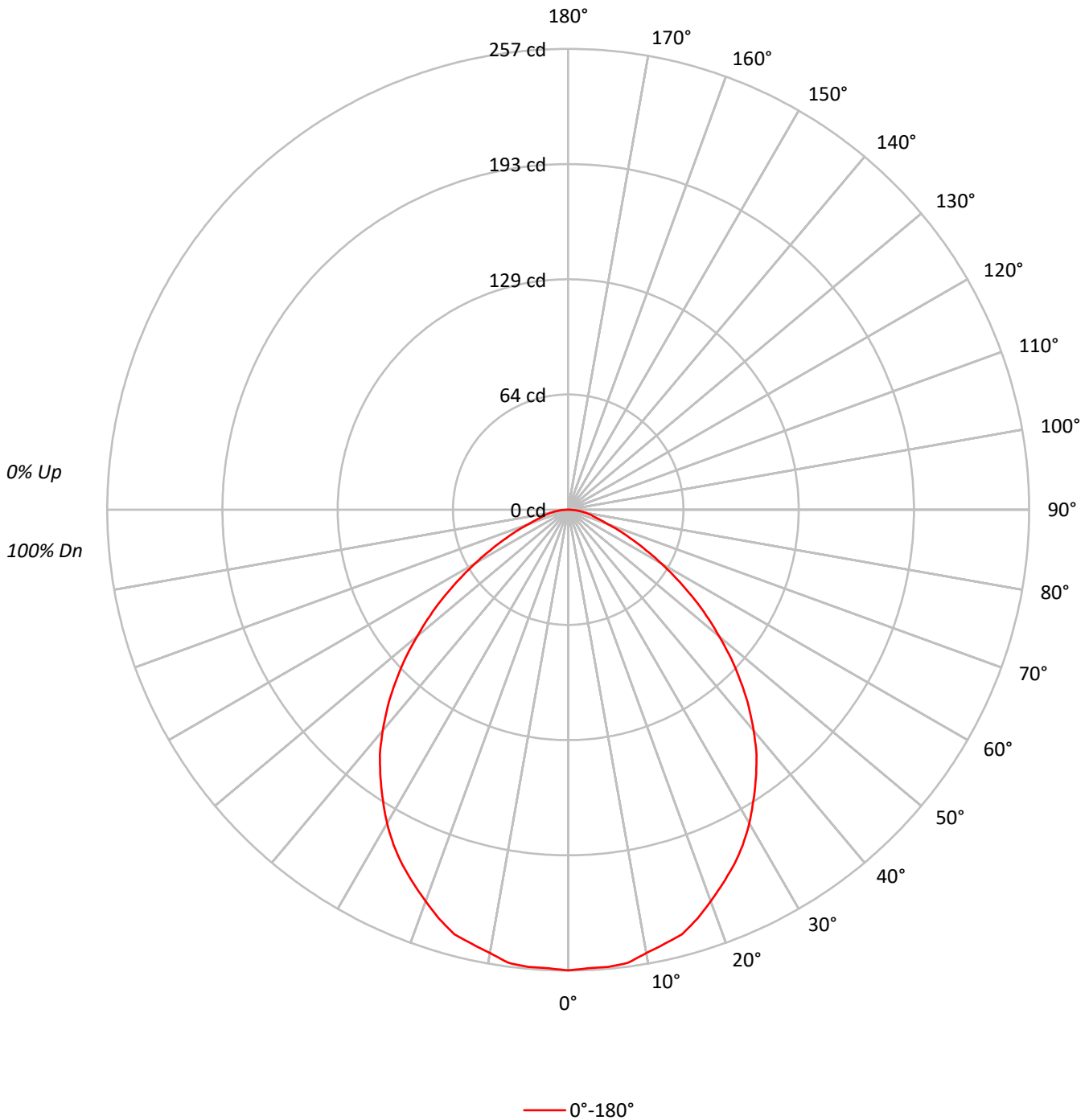
Lumens per Lamp: N/A
Luminaire Lumens: 549.0 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	32331
5°	32328
10°	32076
15°	31934
20°	31125
25°	30355
30°	29354
35°	28023
40°	26417
45°	24258
50°	21497
55°	18496
60°	15052
65°	11673
70°	8647
75°	7148
80°	7102
85°	7075



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	4.4
10°-20°	68.8	12.5
20°-30°	100.5	18.3
30°-40°	113.9	20.7
40°-50°	104.8	19.1
50°-60°	75.3	13.7
60°-70°	39.8	7.2
70°-80°	16.5	3.0
80°-90°	5.1	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°	193.6	35.3
0°-40°	307.5	56.0
0°-60°	487.6	88.8
0°-90°	549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	257	
5°	256	24
15°	245	69
25°	219	101
35°	182	114
45°	136	105
55°	84	75
65°	39	40
75°	15	17
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	256.9
2.5°	255.9
5°	255.9
7.5°	254.9
10°	251.0
12.5°	248.0
15°	245.1
17.5°	239.2
20°	232.4
22.5°	225.5
25°	218.6
27.5°	210.8
30°	202.0
32.5°	192.2
35°	182.4
37.5°	172.5
40°	160.8
42.5°	149.0
45°	136.3
47.5°	123.5
50°	109.8
52.5°	97.1
55°	84.3
57.5°	71.6
60°	59.8
62.5°	49.0
65°	39.2
67.5°	31.4
70°	23.5
72.5°	18.6
75°	14.7
77.5°	12.7
80°	9.8
82.5°	6.9
85°	4.9
87.5°	2.0
90°	0.0

(END OF REPORT)