

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 -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 (P25992-R2)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RL4069S1EWH -4000K
Description: Halo RL 4in Downlight - SeleCCTable 4000K
Light Source: -
Ballast/Driver: -

Summary

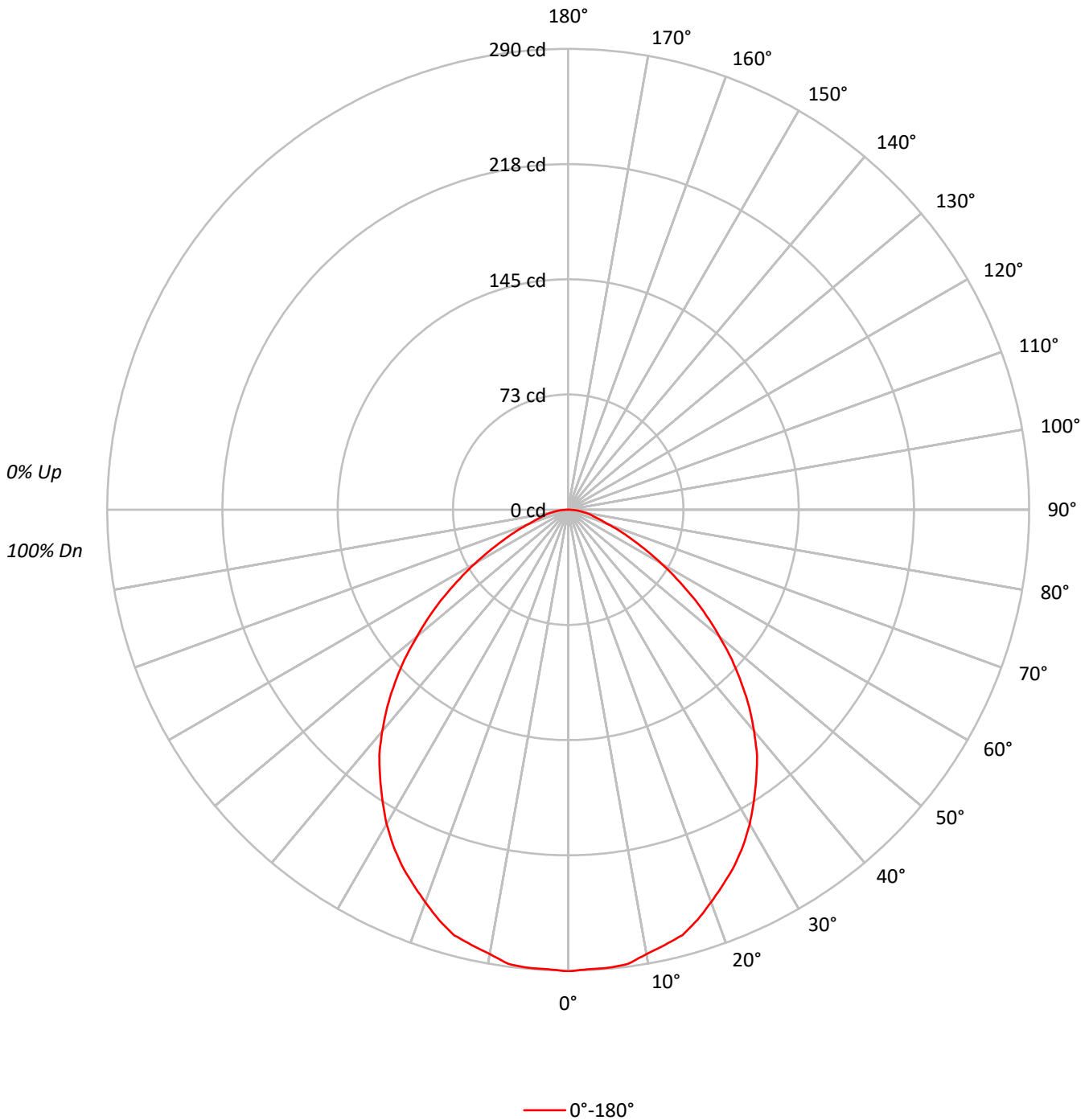
Lumens per Lamp: N/A
Luminaire Lumens: 621.0 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	36559
5°	36560
10°	36280
15°	36116
20°	35196
25°	34340
30°	33191
35°	31695
40°	29883
45°	27426
50°	24317
55°	20932
60°	17015
65°	13222
70°	9788
75°	8072
80°	8045
85°	7942



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	4.4
10°-20°	77.8	12.5
20°-30°	113.7	18.3
30°-40°	128.9	20.8
40°-50°	118.5	19.1
50°-60°	85.2	13.7
60°-70°	45.0	7.2
70°-80°	18.7	3.0
80°-90°	5.7	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°	218.9	35.3
0°-40°	347.8	56.0
0°-60°	551.6	88.8
0°-90°	621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	621.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	290	
5°	289	27
15°	277	78
25°	247	114
35°	206	129
45°	154	119
55°	95	85
65°	44	45
75°	17	19
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	290.5
2.5°	289.4
5°	289.4
7.5°	288.3
10°	283.9
12.5°	280.6
15°	277.2
17.5°	270.6
20°	262.8
22.5°	255.1
25°	247.3
27.5°	238.4
30°	228.4
32.5°	217.4
35°	206.3
37.5°	195.2
40°	181.9
42.5°	168.6
45°	154.1
47.5°	139.7
50°	124.2
52.5°	109.8
55°	95.4
57.5°	81.0
60°	67.6
62.5°	55.4
65°	44.4
67.5°	35.5
70°	26.6
72.5°	21.1
75°	16.6
77.5°	14.4
80°	11.1
82.5°	7.8
85°	5.5
87.5°	2.2
90°	0.0

(END OF REPORT)