

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 -3500K**

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 -3500K
Description: Halo RL 4in Downlight - SeleCCTable 3500K
Light Source: -
Ballast/Driver: -

Summary

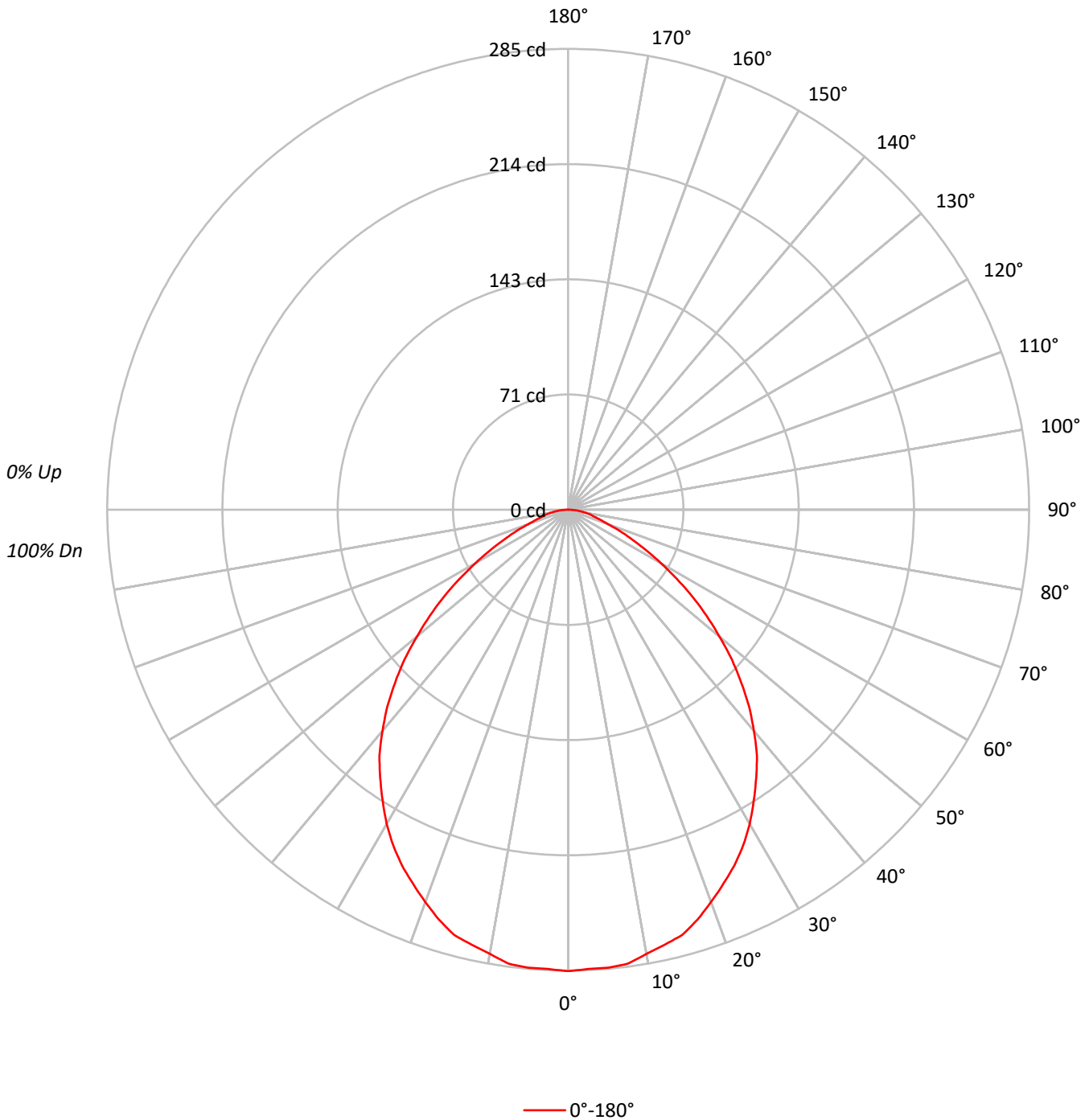
Lumens per Lamp: N/A
Luminaire Lumens: 610.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	35918
5°	35916
10°	35641
15°	35478
20°	34580
25°	33729
30°	32610
35°	31126
40°	29341
45°	26946
50°	23886
55°	20559
60°	16713
65°	12983
70°	9604
75°	7926
80°	7900
85°	7797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	4.4
10°-20°	76.4	12.5
20°-30°	111.7	18.3
30°-40°	126.6	20.7
40°-50°	116.5	19.1
50°-60°	83.7	13.7
60°-70°	44.2	7.3
70°-80°	18.4	3.0
80°-90°	5.6	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°	215.1	35.3
0°-40°	341.6	56.0
0°-60°	541.7	88.8
0°-90°	610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	610.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	285	
5°	284	27
15°	272	76
25°	243	112
35°	203	127
45°	151	116
55°	94	84
65°	44	44
75°	16	18
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	285.4
2.5°	284.3
5°	284.3
7.5°	283.2
10°	278.9
12.5°	275.6
15°	272.3
17.5°	265.8
20°	258.2
22.5°	250.5
25°	242.9
27.5°	234.2
30°	224.4
32.5°	213.5
35°	202.6
37.5°	191.7
40°	178.6
42.5°	165.6
45°	151.4
47.5°	137.3
50°	122.0
52.5°	107.8
55°	93.7
57.5°	79.5
60°	66.4
62.5°	54.5
65°	43.6
67.5°	34.9
70°	26.1
72.5°	20.7
75°	16.3
77.5°	14.2
80°	10.9
82.5°	7.6
85°	5.4
87.5°	2.2
90°	0.0

(END OF REPORT)