

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: P237929

Luminaire Tested: **RLD4069301EWH-WB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P237929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1802-602-1)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RLD4069301EWH-WB
Description: 4" RL Deep Baffle, 91 CRI, 3000K, Matte White
Light Source: (12) 3000K CCT, 91 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 681.0 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.27' x H: 0')
CIE Type: Direct

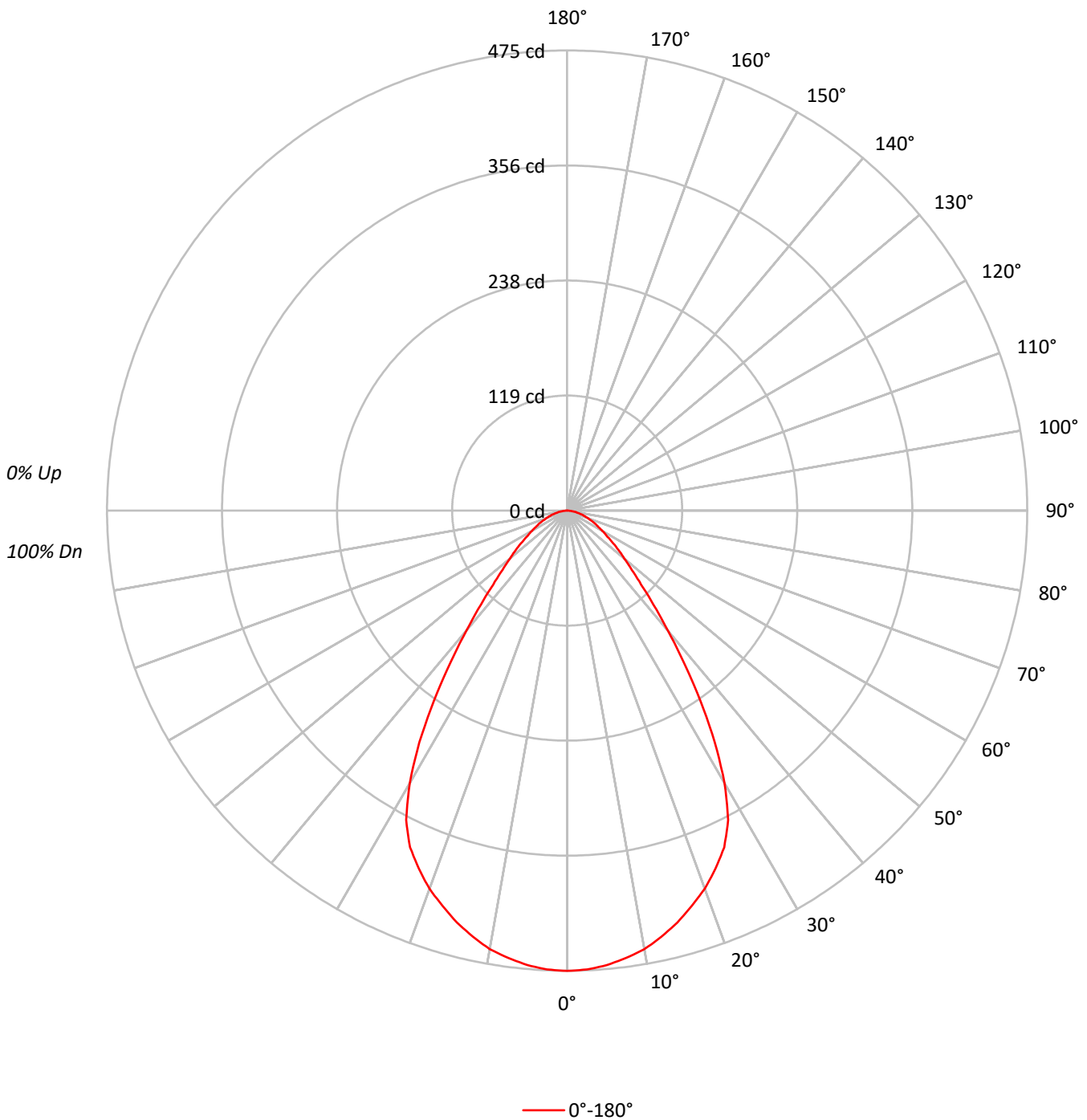
Input Watts (W): 8.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P237929

CATALOG NUMBER: RLD4069301EWH-WB

Luminous Intensity Polar Plot





TEST NUMBER: P237929

CATALOG NUMBER: RLD4069301EWH-WB

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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85		90	86	84		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	72
4	91	81	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	64
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	80	69	62	56	78	68	61	56	66	60	56		65	60	55		64	59	55	53
7	75	64	57	51	74	63	56	51	62	56	51		60	55	51		59	54	50	49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	47		55	50	46	45
9	67	55	48	44	65	55	48	44	54	48	43		53	47	43		52	47	43	41
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		49	44	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	88769
5°	88339
10°	87217
15°	85130
20°	82596
25°	79082
30°	70096
35°	54651
40°	39366
45°	28538
50°	22411
55°	18438
60°	15770
65°	14103
70°	12346
75°	11117
80°	10007
85°	6646



TEST NUMBER: P237929

CATALOG NUMBER: RLD4069301EWH-WB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	6.5
10°-20°	123.8	18.2
20°-30°	174.0	25.5
30°-40°	149.3	21.9
40°-50°	86.1	12.6
50°-60°	51.6	7.6
60°-70°	31.4	4.6
70°-80°	16.1	2.4
80°-90°	4.1	0.6
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°	342.4	50.3
0°-40°	491.7	72.2
0°-60°	629.4	92.4
0°-90°	681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	475	
5°	471	45
15°	440	124
25°	384	174
35°	240	149
45°	108	86
55°	57	52
65°	32	31
75°	15	16
85°	3	4
90°	0	



TEST NUMBER: P237929

CATALOG NUMBER: RLD4069301EWH-WB

CANDELA DISTRIBUTION (FULL):

	0°
0°	475.1
2.5°	474.1
5°	471.0
7.5°	465.8
10°	459.7
12.5°	450.4
15°	440.1
17.5°	427.8
20°	415.4
22.5°	400.0
25°	383.6
27.5°	359.9
30°	324.9
32.5°	283.8
35°	239.6
37.5°	197.4
40°	161.4
42.5°	131.6
45°	108.0
47.5°	90.5
50°	77.1
52.5°	66.8
55°	56.6
57.5°	48.3
60°	42.2
62.5°	36.0
65°	31.9
67.5°	26.7
70°	22.6
72.5°	18.5
75°	15.4
77.5°	11.3
80°	9.3
82.5°	6.2
85°	3.1
87.5°	1.0
90°	0.0

(END OF REPORT)