

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: P388130

Luminaire Tested: **RL56069B4AWHVA-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P388130  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 1911601A-P0)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: RL56069B4AWHVA-3500K  
Description: HALO VOICE RL 56 LED MOUDULE AT 3500K, 90 CRI  
Light Source: -  
Ballast/Driver: -

**Summary**

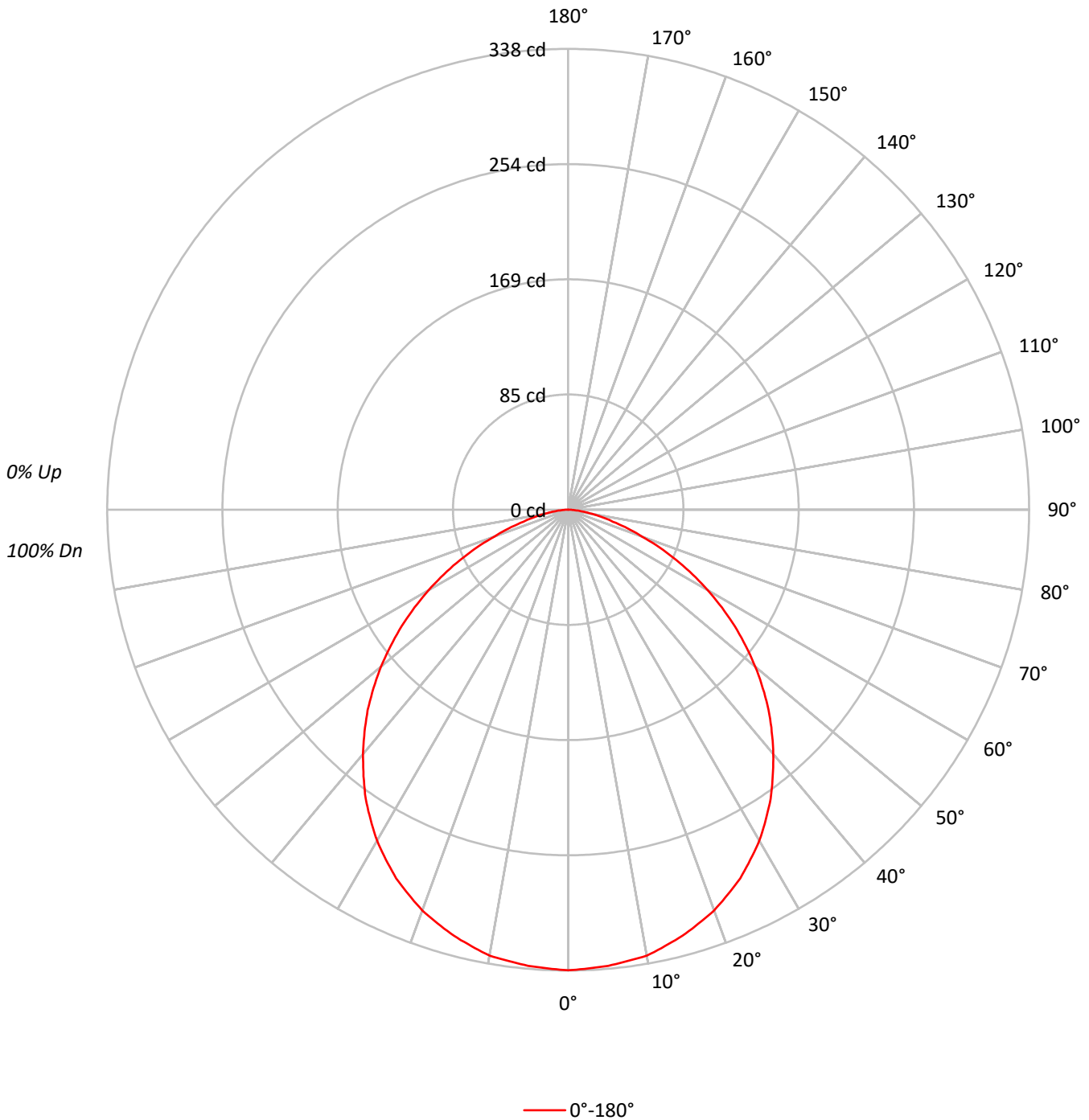
Lumens per Lamp: N/A  
Luminaire Lumens: 848.0 lumens  
Efficiency: N/A  
Efficacy: 67.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.5  
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



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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	105	102	98	107	103	100	96	99	96	93		95	93	91		92	90	88	86
2	100	93	86	81	98	91	85	80	87	83	78		84	80	77		81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67		75	70	65		72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57		67	61	56		65	60	56	54
5	78	66	57	51	76	64	56	50	62	55	50		60	54	49		59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44		55	48	43		53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39		50	44	39		49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35		46	39	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	36	32		42	36	31		41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29		39	33	29		38	33	28	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	22070
5°	22023
10°	22033
15°	21888
20°	21749
25°	21512
30°	21147
35°	20650
40°	19958
45°	19210
50°	18204
55°	16984
60°	15445
65°	13527
70°	11022
75°	8583
80°	6735
85°	4273



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.9	3.8
10°-20°	91.3	10.8
20°-30°	137.3	16.2
30°-40°	161.6	19.1
40°-50°	160.0	18.9
50°-60°	133.1	15.7
60°-70°	86.8	10.2
70°-80°	37.9	4.5
80°-90°	8.0	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°	260.6	30.7
0°-40°	422.3	49.8
0°-60°	715.4	84.4
0°-90°	848.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	848.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	338	
5°	336	32
15°	324	91
25°	298	137
35°	259	162
45°	208	160
55°	149	133
65°	88	87
75°	34	38
85°	6	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	337.8
5°	335.8
10°	332.1
15°	323.6
20°	312.8
25°	298.4
30°	280.3
35°	258.9
40°	234.0
45°	207.9
50°	179.1
55°	149.1
60°	118.2
65°	87.5
70°	57.7
75°	34.0
80°	17.9
85°	5.7
90°	0.0

(END OF REPORT)