

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: P388132

Luminaire Tested: **RL56069B4AWHVA-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P388132
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-5000K
Description: HALO VOICE RL 56 LED MOUDULE AT 5000K, 90 CRI
Light Source: -
Ballast/Driver: -

Summary

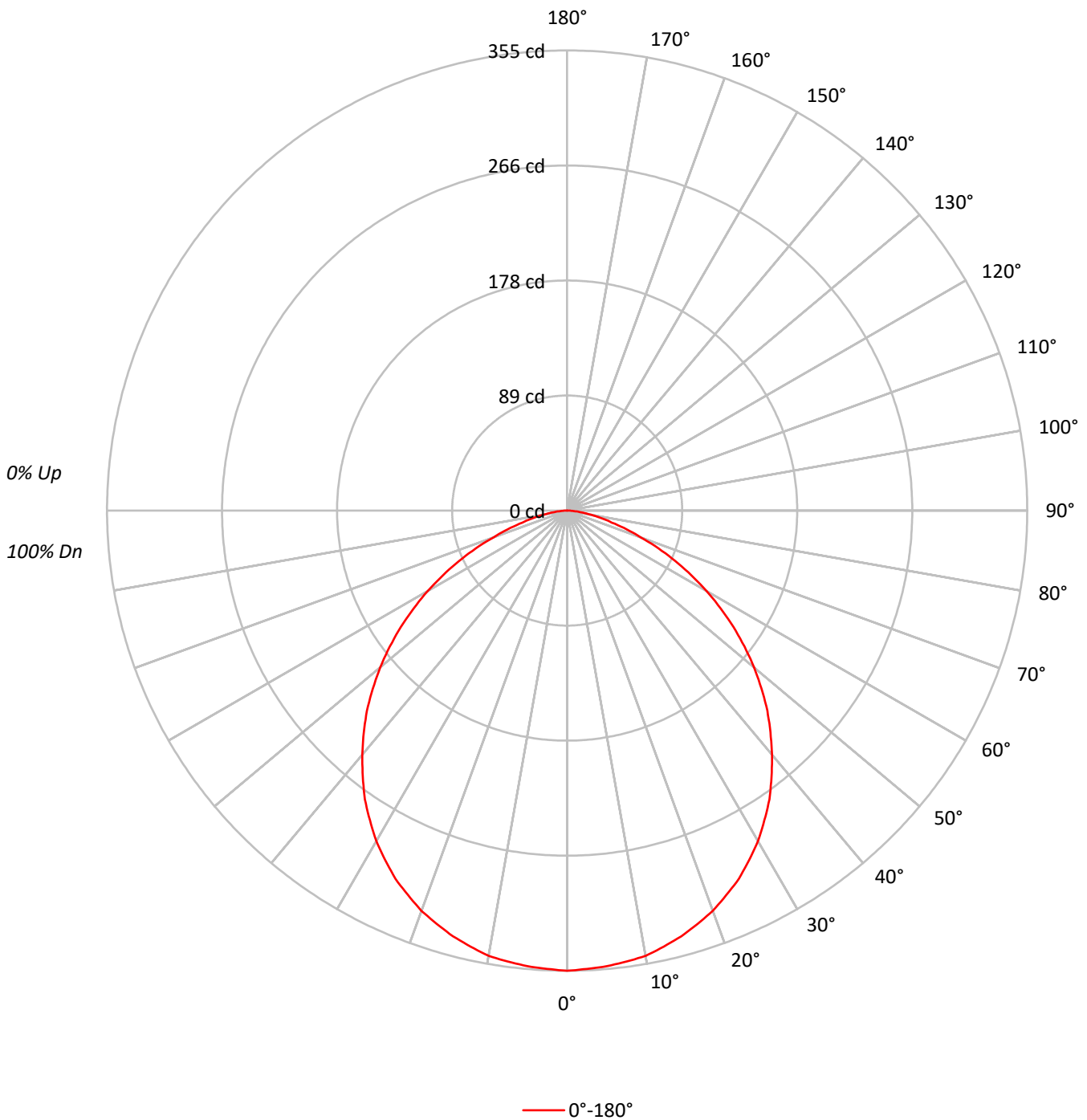
Lumens per Lamp: N/A
Luminaire Lumens: 891.0 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

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°	23194
5°	23138
10°	23147
15°	23004
20°	22847
25°	22600
30°	22218
35°	21695
40°	20973
45°	20180
50°	19129
55°	17838
60°	16229
65°	14223
70°	11576
75°	9012
80°	7074
85°	4498



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	3.8
10°-20°	96.0	10.8
20°-30°	144.3	16.2
30°-40°	169.8	19.1
40°-50°	168.1	18.9
50°-60°	139.9	15.7
60°-70°	91.2	10.2
70°-80°	39.8	4.5
80°-90°	8.4	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°	273.8	30.7
0°-40°	443.7	49.8
0°-60°	751.7	84.4
0°-90°	891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	891.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	355	
5°	353	34
15°	340	96
25°	314	144
35°	272	170
45°	218	168
55°	157	140
65°	92	91
75°	36	40
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	355.0
5°	352.8
10°	348.9
15°	340.1
20°	328.6
25°	313.5
30°	294.5
35°	272.0
40°	245.9
45°	218.4
50°	188.2
55°	156.6
60°	124.2
65°	92.0
70°	60.6
75°	35.7
80°	18.8
85°	6.0
90°	0.0

(END OF REPORT)