

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: P388131

Luminaire Tested: **RL56069B4AWHVA-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P388131
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-4000K
Description: HALO VOICE RL 56 LED MOUDULE AT 4000K, 90 CRI
Light Source: -
Ballast/Driver: -

Summary

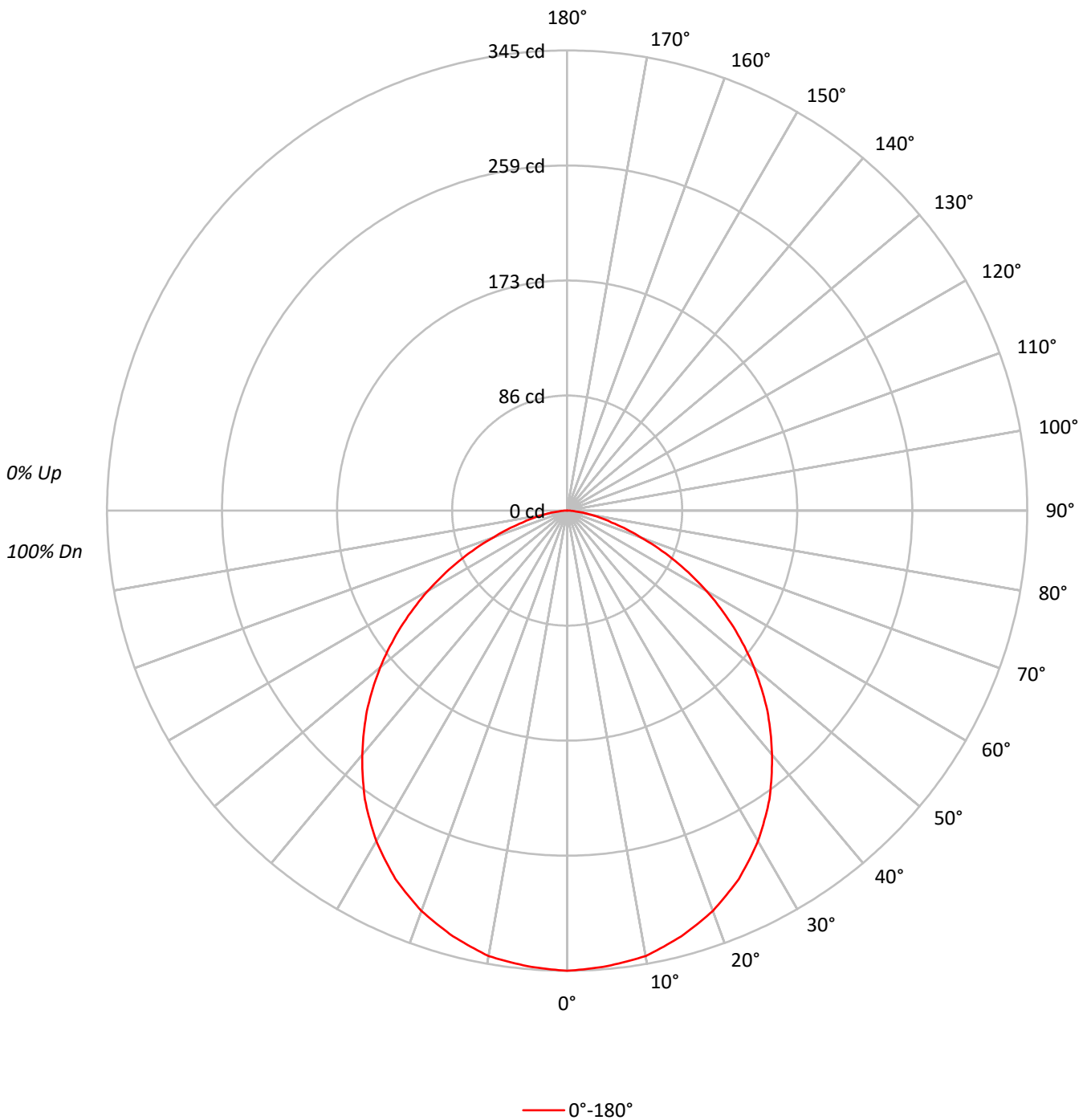
Lumens per Lamp: N/A
Luminaire Lumens: 866.0 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

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	66		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°	22541
5°	22489
10°	22497
15°	22355
20°	22207
25°	21966
30°	21592
35°	21089
40°	20384
45°	19616
50°	18591
55°	17337
60°	15772
65°	13821
70°	11252
75°	8760
80°	6885
85°	4423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	3.8
10°-20°	93.3	10.8
20°-30°	140.2	16.2
30°-40°	165.1	19.1
40°-50°	163.4	18.9
50°-60°	135.9	15.7
60°-70°	88.6	10.2
70°-80°	38.6	4.5
80°-90°	8.2	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°	266.1	30.7
0°-40°	431.2	49.8
0°-60°	730.6	84.4
0°-90°	866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	866.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	345	
5°	343	33
15°	330	93
25°	305	140
35°	264	165
45°	212	163
55°	152	136
65°	89	89
75°	35	39
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	345.0
5°	342.9
10°	339.1
15°	330.5
20°	319.4
25°	304.7
30°	286.2
35°	264.4
40°	239.0
45°	212.3
50°	182.9
55°	152.2
60°	120.7
65°	89.4
70°	58.9
75°	34.7
80°	18.3
85°	5.9
90°	0.0

(END OF REPORT)