

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: P121909

Luminaire Tested: **RA406930WHC**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P121909  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (3032)  
Test Lab: TUV SUD America  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: RA406930WHC  
Description: HALO 4" ADJUSTABLE LED MODULE  
WITH WHITE TRIM AND DIFFUSE LENS  
Light Source: (1) HIGH LUMEN LED 3000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

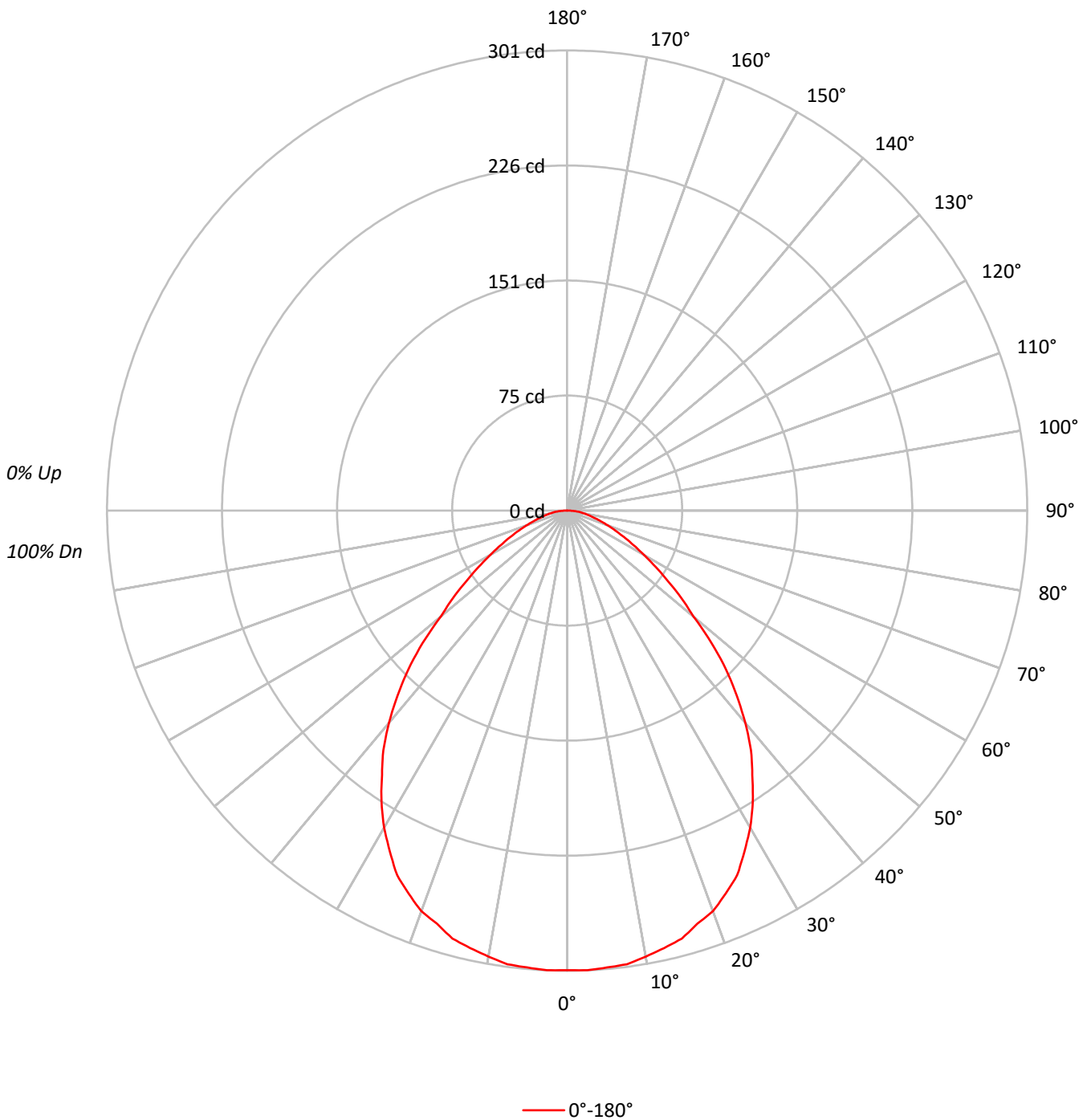
Lumens per Lamp: N/A  
Luminaire Lumens: 615.4 lumens  
Efficiency: N/A  
Efficacy: 61.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.23  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	111	107	103	100	108	104	101	98	100	97	95		96	94	92		93	91	89	87
2	102	95	89	84	100	93	88	83	90	85	81		87	83	80		84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	71		78	73	69		76	72	68	66
4	87	77	69	63	85	75	68	63	73	67	62		71	65	61		69	64	60	58
5	81	70	61	56	79	68	61	55	66	60	55		65	59	54		63	58	54	52
6	75	63	55	49	74	62	55	49	61	54	49		59	53	48		58	52	48	46
7	70	58	50	44	69	57	50	44	56	49	44		54	48	44		53	47	43	41
8	66	53	45	40	64	53	45	40	51	45	40		50	44	39		49	43	39	38
9	62	49	42	36	60	49	41	36	48	41	36		46	40	36		45	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33		43	37	33		42	37	33	31

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

	0°
0°	65045
5°	65164
10°	65082
15°	64921
20°	64223
25°	62840
30°	59842
35°	55790
40°	51184
45°	45015
50°	36289
55°	30407
60°	25144
65°	21044
70°	17778
75°	15551
80°	14580
85°	14896



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.5	4.6
10°-20°	81.5	13.2
20°-30°	120.4	19.6
30°-40°	132.0	21.5
40°-50°	112.3	18.2
50°-60°	72.8	11.8
60°-70°	41.3	6.7
70°-80°	20.1	3.3
80°-90°	6.5	1.1
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°	230.4	37.4
0°-40°	362.4	58.9
0°-60°	547.5	89.0
0°-90°	615.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	615.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	301	
5°	300	29
15°	290	81
25°	263	120
35°	211	132
45°	147	112
55°	81	73
65°	41	41
75°	19	20
85°	6	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	300.6
2.5°	301.0
5°	300.0
7.5°	299.3
10°	296.2
12.5°	293.1
15°	289.8
17.5°	283.3
20°	278.9
22.5°	271.1
25°	263.2
27.5°	251.2
30°	239.5
32.5°	226.1
35°	211.2
37.5°	197.6
40°	181.2
42.5°	164.3
45°	147.1
47.5°	128.1
50°	107.8
52.5°	94.4
55°	80.6
57.5°	68.6
60°	58.1
62.5°	48.8
65°	41.1
67.5°	34.0
70°	28.1
72.5°	22.9
75°	18.6
77.5°	14.9
80°	11.7
82.5°	9.1
85°	6.0
87.5°	2.7
90°	0.3

(END OF REPORT)