

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: P121916

Luminaire Tested: **RA5606930WHC**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P121916  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (3027)  
Test Lab: TUV SUD America  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: RA5606930WHC  
Description: HALO 5" AND 6" ADJUSTABLE LED MODULE  
WITH WHITE TRIM AND DIFFUSE LENS  
Light Source: (1) HIGH LUMEN LED 3000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

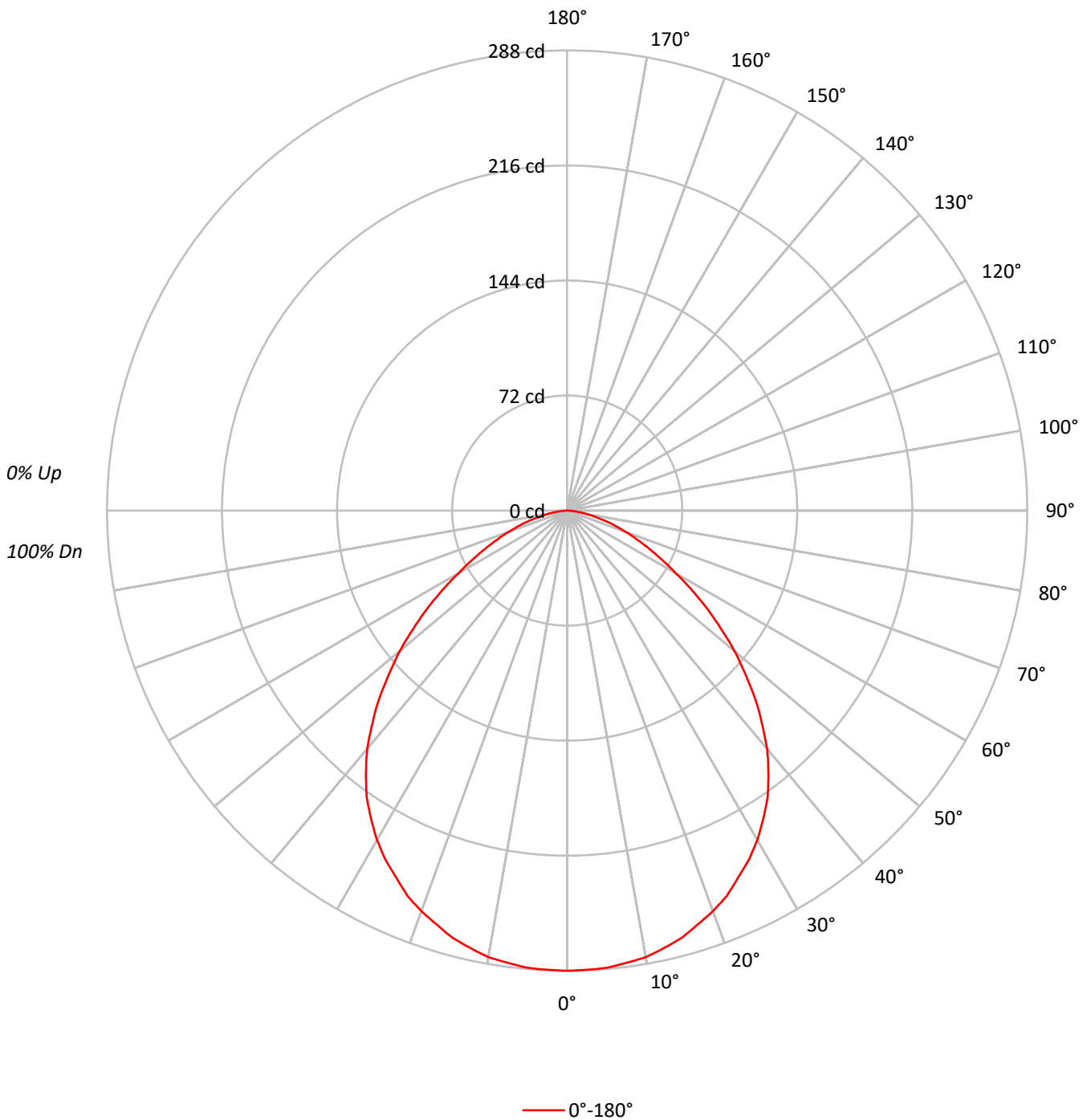
Lumens per Lamp: N/A  
Luminaire Lumens: 669.7 lumens  
Efficiency: N/A  
Efficacy: 67.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.3  
Luminous Opening: Circular (Dia: 0.31' x H: 0')  
CIE Type: Direct

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	110	106	102	99	108	104	100	97	100	97	94		96	94	91		92	90	89	87
2	101	94	88	83	99	92	86	82	89	84	80		85	81	78		82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	68		76	71	67		74	70	66	64
4	86	75	67	60	84	73	66	60	71	64	59		69	63	58		67	62	58	56
5	79	67	59	53	77	66	58	52	64	57	52		62	56	51		60	55	51	49
6	73	61	53	47	72	60	52	46	58	51	46		57	50	46		55	50	45	43
7	68	56	47	41	67	55	47	41	53	46	41		52	45	41		51	45	40	39
8	64	51	43	37	62	50	42	37	49	42	37		48	41	37		47	41	36	35
9	60	47	39	34	58	46	39	34	45	38	33		44	38	33		43	37	33	31
10	56	43	36	31	55	43	36	31	42	35	30		41	35	30		40	34	30	29

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

	0°
0°	39842
5°	39883
10°	39867
15°	39658
20°	39278
25°	38664
30°	38019
35°	36935
40°	35161
45°	32555
50°	29442
55°	25783
60°	21775
65°	18560
70°	15734
75°	12988
80°	9640
85°	6349



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.3	4.1
10°-20°	78.0	11.6
20°-30°	116.8	17.4
30°-40°	136.2	20.3
40°-50°	127.9	19.1
50°-60°	95.6	14.3
60°-70°	56.8	8.5
70°-80°	26.1	3.9
80°-90°	5.1	0.8
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°	222.1	33.2
0°-40°	358.3	53.5
0°-60°	581.7	86.9
0°-90°	669.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	669.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	288	
5°	287	27
15°	277	78
25°	253	117
35°	219	136
45°	166	128
55°	107	96
65°	57	57
75°	24	26
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	288.0
2.5°	287.7
5°	287.2
7.5°	285.5
10°	283.8
12.5°	280.4
15°	276.9
17.5°	271.6
20°	266.8
22.5°	261.0
25°	253.3
27.5°	246.3
30°	238.0
32.5°	228.5
35°	218.7
37.5°	206.9
40°	194.7
42.5°	180.4
45°	166.4
47.5°	151.0
50°	136.8
52.5°	121.4
55°	106.9
57.5°	92.3
60°	78.7
62.5°	67.1
65°	56.7
67.5°	47.3
70°	38.9
72.5°	31.4
75°	24.3
77.5°	17.8
80°	12.1
82.5°	7.4
85°	4.0
87.5°	1.3
90°	0.0

(END OF REPORT)