

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: P121914

Luminaire Tested: **RA5606927WHC**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P121914
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: RA5606927WHC
Description: HALO 5" AND 6" ADJUSTABLE LED MODULE
WITH WHITE TRIM AND DIFFUSE LENS
Light Source: (1) HIGH LUMEN LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

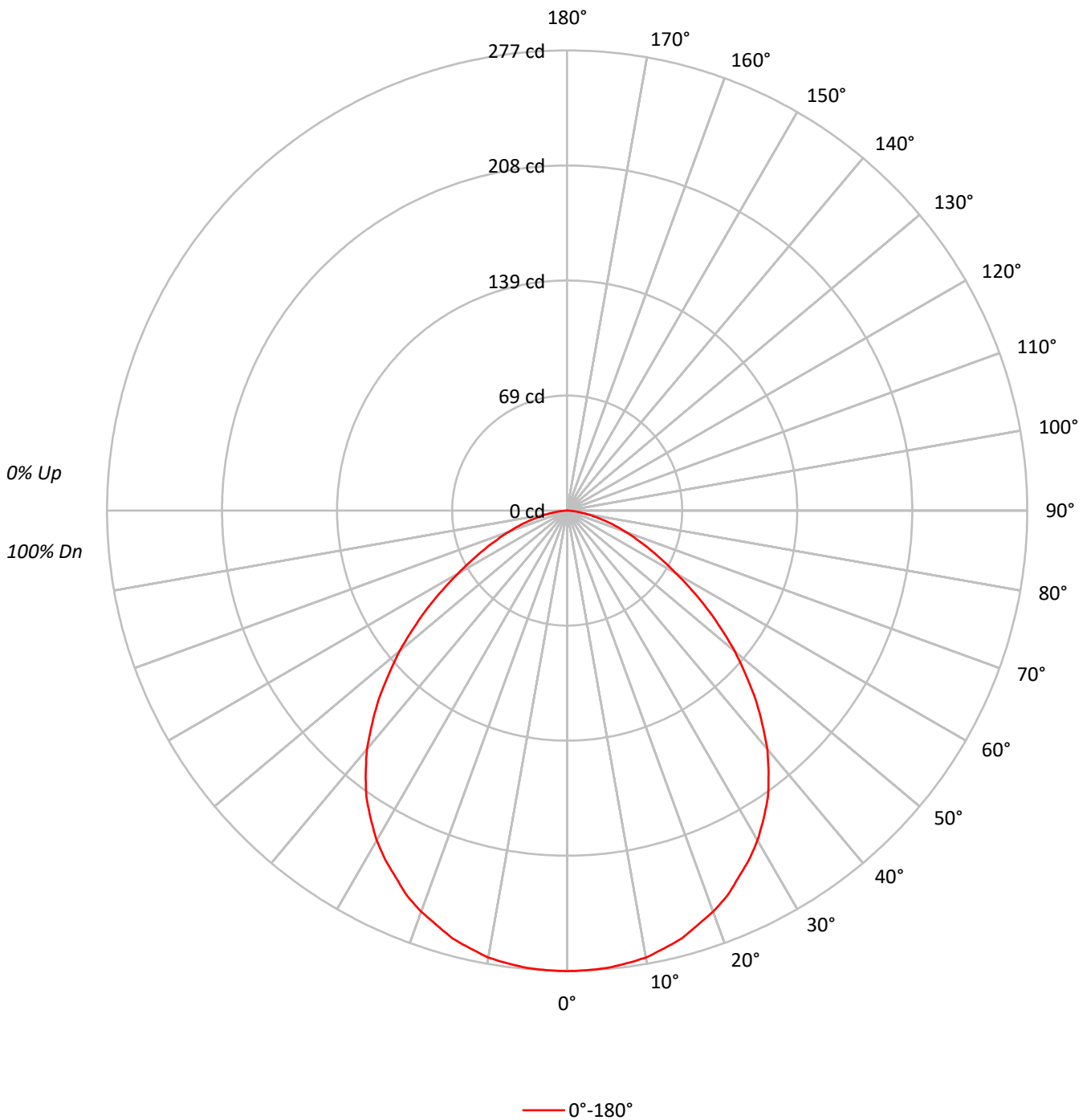
Lumens per Lamp: N/A
Luminaire Lumens: 644.8 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.3
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): 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°	38362
5°	38383
10°	38378
15°	38183
20°	37820
25°	37214
30°	36613
35°	35567
40°	33861
45°	31342
50°	28344
55°	24818
60°	20972
65°	17873
70°	15168
75°	12507
80°	9321
85°	6032



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	4.1
10°-20°	75.1	11.6
20°-30°	112.5	17.4
30°-40°	131.1	20.3
40°-50°	123.1	19.1
50°-60°	92.0	14.3
60°-70°	54.7	8.5
70°-80°	25.1	3.9
80°-90°	4.9	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°	213.8	33.2
0°-40°	345.0	53.5
0°-60°	560.1	86.9
0°-90°	644.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	644.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	277	
5°	276	26
15°	267	75
25°	244	112
35°	211	131
45°	160	123
55°	103	92
65°	55	55
75°	23	25
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	277.3
2.5°	276.9
5°	276.4
7.5°	274.9
10°	273.2
12.5°	269.9
15°	266.6
17.5°	261.5
20°	256.9
22.5°	251.3
25°	243.8
27.5°	237.1
30°	229.2
32.5°	220.0
35°	210.6
37.5°	199.2
40°	187.5
42.5°	173.7
45°	160.2
47.5°	145.4
50°	131.7
52.5°	116.8
55°	102.9
57.5°	88.9
60°	75.8
62.5°	64.6
65°	54.6
67.5°	45.5
70°	37.5
72.5°	30.2
75°	23.4
77.5°	17.2
80°	11.7
82.5°	7.1
85°	3.8
87.5°	1.2
90°	0.0

(END OF REPORT)