

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 COMMERCIAL

Report Number: P583356

Luminaire Tested: **HC607D010-HM60525927-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC607D010-HM60525927-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 675.4 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

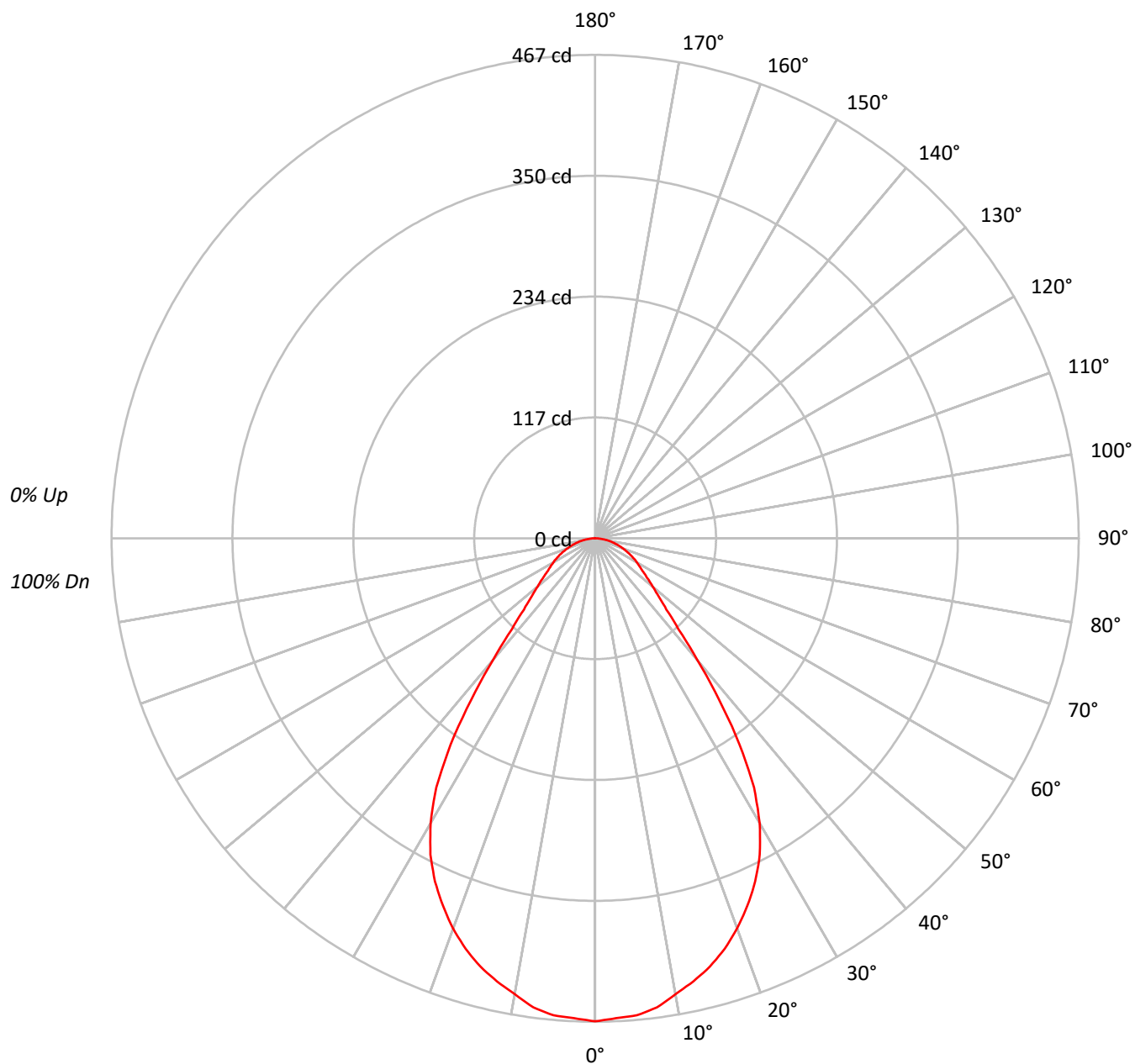
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70		
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57		
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41		
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25579
5°	25457
10°	24894
15°	24313
20°	23400
25°	22126
30°	20111
35°	16282
40°	10978
45°	7543
50°	6183
55°	5400
60°	5120
65°	4838
70°	4536
75°	4321
80°	3946
85°	3397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	6.5
10°-20°	120.3	17.8
20°-30°	167.1	24.7
30°-40°	148.8	22.0
40°-50°	79.0	11.7
50°-60°	51.6	7.6
60°-70°	37.0	5.5
70°-80°	21.5	3.2
80°-90°	6.3	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°	331.1	49.0
0°-40°	479.9	71.1
0°-60°	610.5	90.4
0°-90°	675.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	675.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	467	
5°	463	44
15°	428	120
25°	366	167
35°	243	149
45°	97	79
55°	56	52
65°	37	37
75°	20	22
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	466.6
2.5°	464.1
5°	462.6
7.5°	457.2
10°	447.2
12.5°	438.4
15°	428.4
17.5°	415.9
20°	401.1
22.5°	384.2
25°	365.8
27.5°	344.4
30°	317.7
32.5°	285.4
35°	243.3
37.5°	196.6
40°	153.4
42.5°	119.1
45°	97.3
47.5°	82.9
50°	72.5
52.5°	64.0
55°	56.5
57.5°	51.1
60°	46.7
62.5°	42.1
65°	37.3
67.5°	32.7
70°	28.3
72.5°	24.4
75°	20.4
77.5°	16.4
80°	12.5
82.5°	9.0
85°	5.4
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)