

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: P583177

Luminaire Tested: **HC660D010-HM64560835-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560835-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5634.2 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

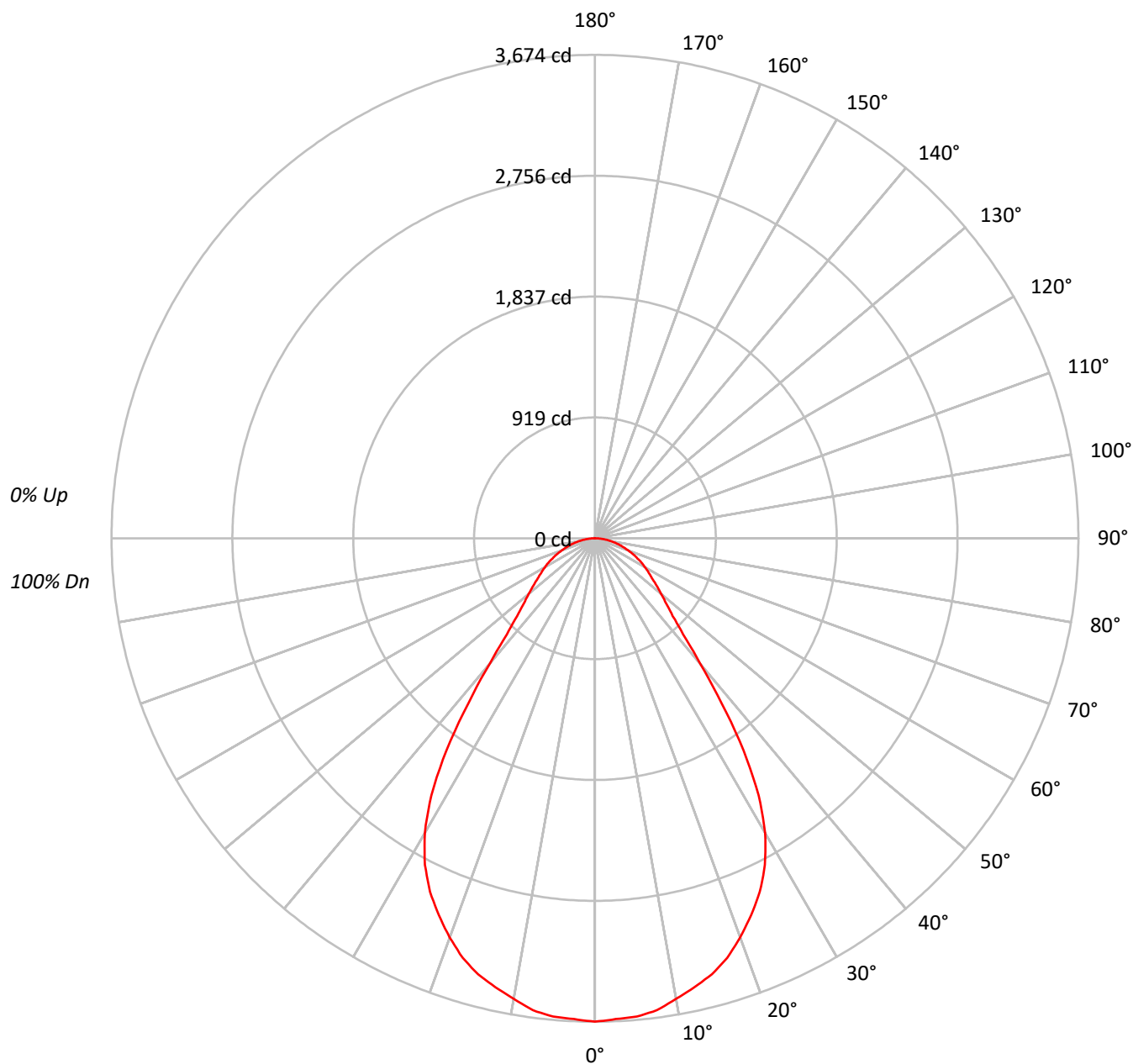
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88	
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78	
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62	
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56	
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51	
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46	
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43	
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39	
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	201382
5°	200836
10°	197842
15°	194706
20°	188299
25°	179345
30°	163759
35°	131838
40°	88859
45°	64790
50°	55998
55°	50588
60°	48001
65°	45426
70°	42732
75°	40477
80°	37694
85°	35035



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.4	6.1
10°-20°	963.4	17.1
20°-30°	1353.6	24.0
30°-40°	1204.9	21.4
40°-50°	673.3	12.0
50°-60°	479.7	8.5
60°-70°	349.0	6.2
70°-80°	202.1	3.6
80°-90°	62.8	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°	2662.4	47.3
0°-40°	3867.3	68.6
0°-60°	5020.3	89.1
0°-90°	5634.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5634.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3674	
5°	3650	345
15°	3431	963
25°	2965	1354
35°	1970	1205
45°	836	673
55°	529	480
65°	350	349
75°	191	202
85°	56	63
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3673.5
2.5°	3657.6
5°	3649.6
7.5°	3617.8
10°	3554.1
12.5°	3494.3
15°	3430.7
17.5°	3343.2
20°	3227.7
22.5°	3100.4
25°	2965.0
27.5°	2797.9
30°	2587.0
32.5°	2316.4
35°	1970.0
37.5°	1580.0
40°	1241.7
42.5°	991.0
45°	835.7
47.5°	732.3
50°	656.6
52.5°	589.0
55°	529.3
57.5°	481.5
60°	437.8
62.5°	398.0
65°	350.2
67.5°	310.4
70°	266.6
72.5°	226.9
75°	191.1
77.5°	155.3
80°	119.4
82.5°	87.6
85°	55.7
87.5°	27.8
90°	0.0



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— 0°-180°







(END OF REPORT)