

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: P583202

Luminaire Tested: **HC660D010-HM64560840-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560840-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6517.9 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

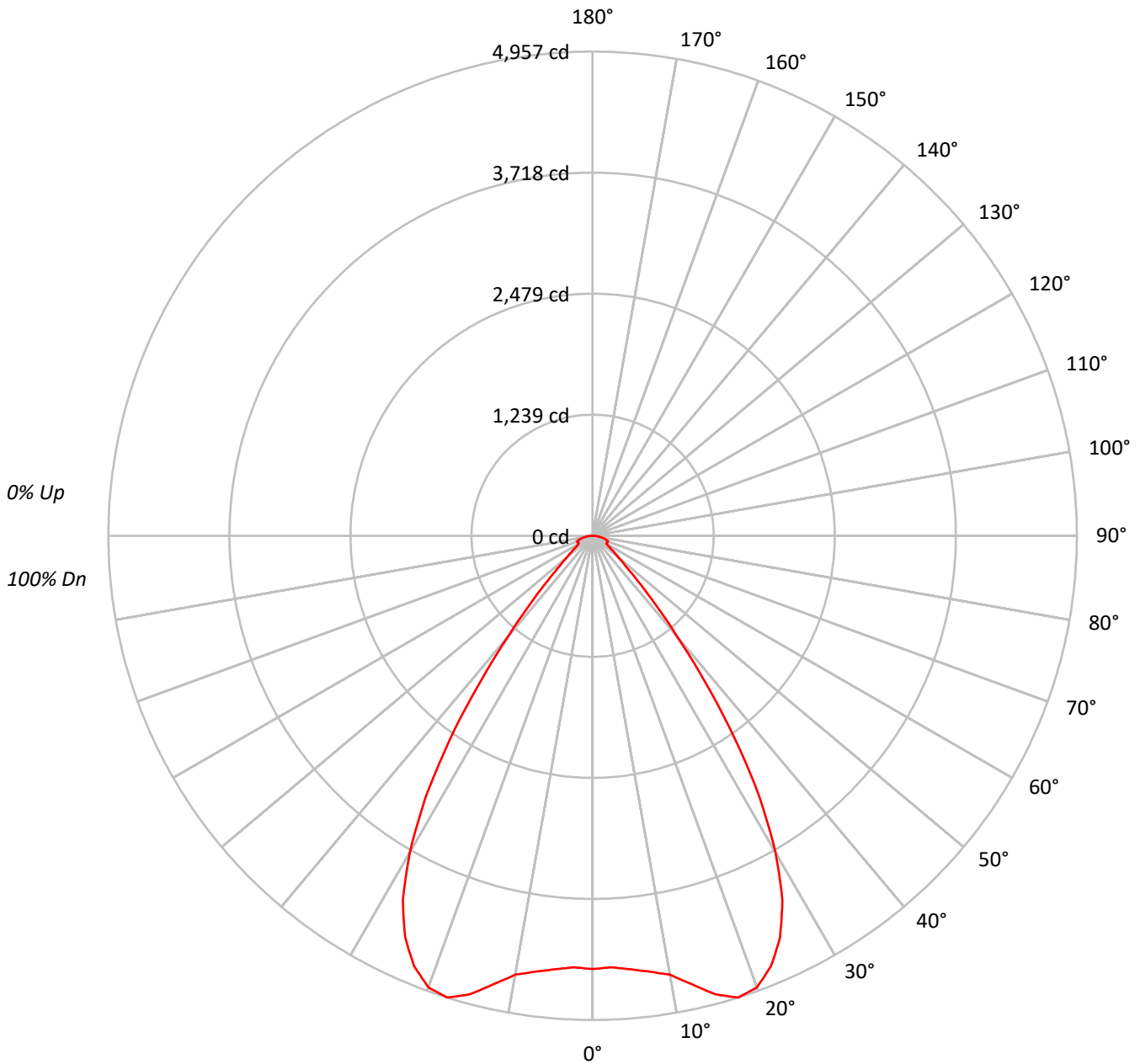
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	243095
5°	245168
10°	254003
15°	275898
20°	286990
25°	274498
30°	236891
35°	170574
40°	96094
45°	49796
50°	29688
55°	21390
60°	18178
65°	20962
70°	26575
75°	28086
80°	27497
85°	26103



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.7	6.6
10°-20°	1371.1	21.0
20°-30°	2049.4	31.4
30°-40°	1566.6	24.0
40°-50°	547.2	8.4
50°-60°	208.5	3.2
60°-70°	163.5	2.5
70°-80°	138.4	2.1
80°-90°	44.5	0.7
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°	3849.2	59.1
0°-40°	5415.8	83.1
0°-60°	6171.4	94.7
0°-90°	6517.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6517.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4434	
5°	4455	429
15°	4861	1371
25°	4538	2049
35°	2549	1567
45°	642	547
55°	224	208
65°	162	164
75°	133	138
85°	42	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4434.4
2.5°	4422.0
5°	4455.2
7.5°	4500.8
10°	4563.0
12.5°	4703.8
15°	4861.3
17.5°	4956.7
20°	4919.4
22.5°	4770.1
25°	4538.1
27.5°	4206.5
30°	3742.3
32.5°	3187.0
35°	2548.8
37.5°	1889.8
40°	1342.8
42.5°	940.8
45°	642.3
47.5°	451.7
50°	348.1
52.5°	273.5
55°	223.8
57.5°	182.3
60°	165.8
62.5°	161.6
65°	161.6
67.5°	169.9
70°	165.8
72.5°	153.4
75°	132.6
77.5°	111.9
80°	87.1
82.5°	62.2
85°	41.5
87.5°	16.5
90°	0.0



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— 0°-180°







(END OF REPORT)