

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: P583159

Luminaire Tested: **HC660D010-HM64560830-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583159
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-HM64560830-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5392.2 lumens
Efficiency: N/A
Efficacy: 98.0 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

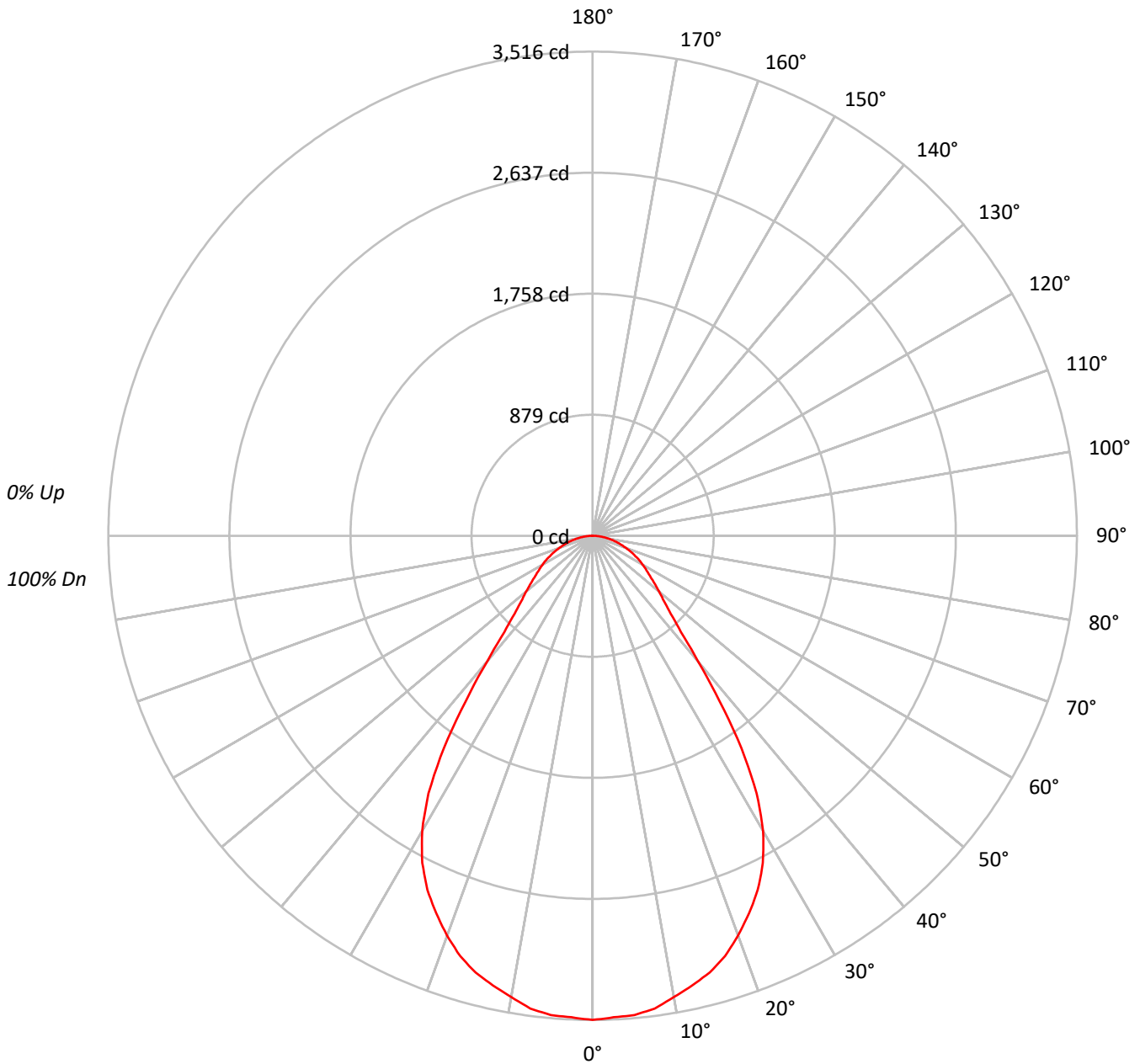
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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	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°	192737
5°	192213
10°	189342
15°	186346
20°	180213
25°	171645
30°	156720
35°	126177
40°	85045
45°	62014
50°	53602
55°	48419
60°	45939
65°	43468
70°	40904
75°	38740
80°	36053
85°	33525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.6	6.1
10°-20°	922.0	17.1
20°-30°	1295.4	24.0
30°-40°	1153.1	21.4
40°-50°	644.4	12.0
50°-60°	459.1	8.5
60°-70°	334.0	6.2
70°-80°	193.4	3.6
80°-90°	60.1	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°	2548.1	47.3
0°-40°	3701.2	68.6
0°-60°	4804.7	89.1
0°-90°	5392.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5392.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3516	
5°	3493	331
15°	3283	922
25°	2838	1295
35°	1885	1153
45°	800	644
55°	507	459
65°	335	334
75°	183	193
85°	53	60
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3515.8
2.5°	3500.4
5°	3492.9
7.5°	3462.4
10°	3401.4
12.5°	3344.3
15°	3283.4
17.5°	3199.6
20°	3089.1
22.5°	2967.2
25°	2837.7
27.5°	2677.8
30°	2475.8
32.5°	2216.9
35°	1885.4
37.5°	1512.2
40°	1188.4
42.5°	948.4
45°	799.9
47.5°	700.9
50°	628.5
52.5°	563.7
55°	506.6
57.5°	460.9
60°	419.0
62.5°	380.9
65°	335.1
67.5°	297.1
70°	255.2
72.5°	217.1
75°	182.9
77.5°	148.6
80°	114.2
82.5°	83.8
85°	53.3
87.5°	26.6
90°	0.0



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— 0°-180°







(END OF REPORT)