

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: P583236

Luminaire Tested: **HC660D010-HM64560930-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560930-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5180.9 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

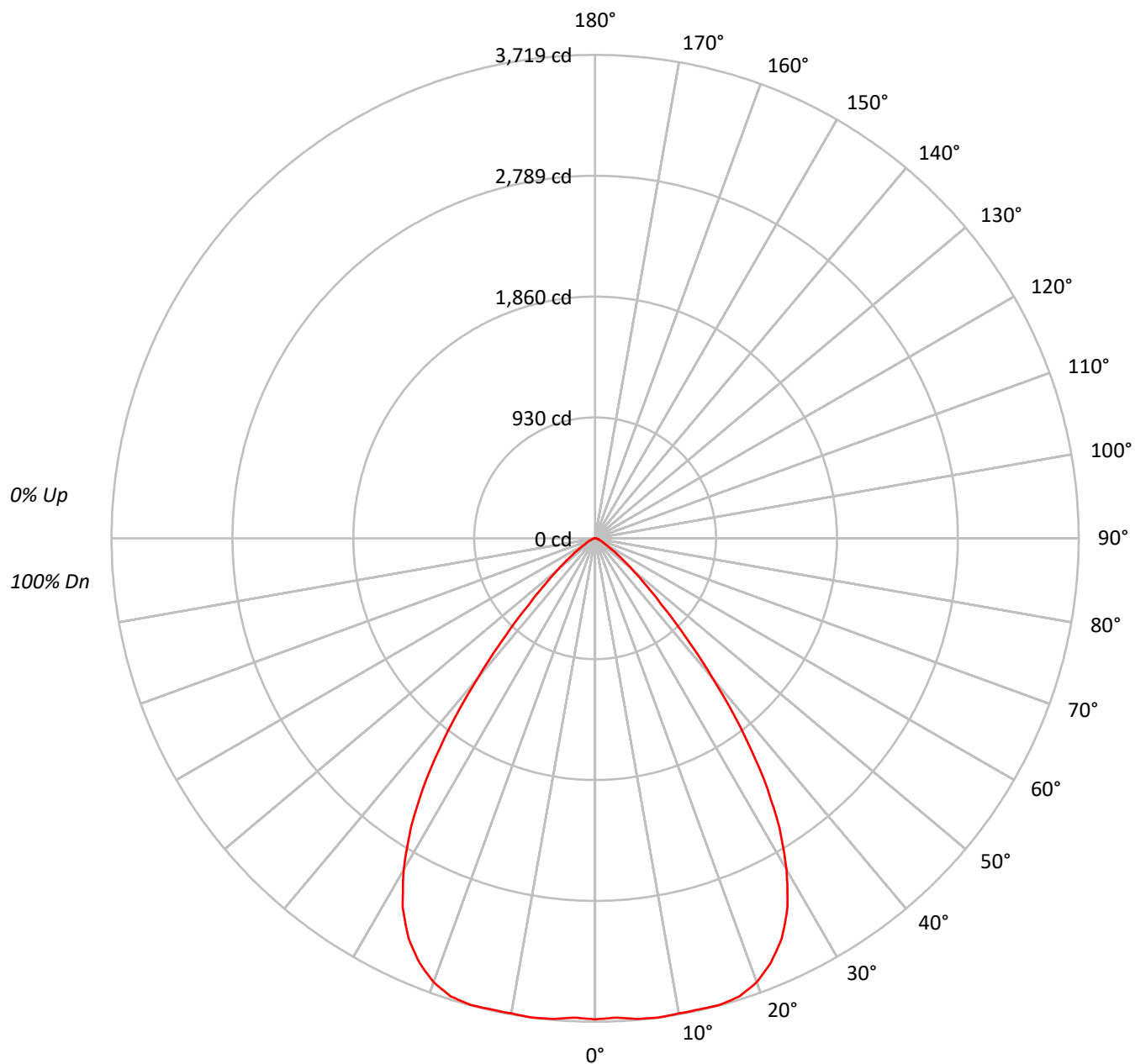
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92		
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84		
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77		
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64		
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59		
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54		
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50		
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	202906
5°	204259
10°	206621
15°	210858
20°	212037
25°	205433
30°	186370
35°	151527
40°	100581
45°	55983
50°	31393
55°	17414
60°	9604
65°	7277
70°	5049
75°	3707
80°	2210
85°	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.3	6.8
10°-20°	1047.6	20.2
20°-30°	1544.0	29.8
30°-40°	1381.0	26.7
40°-50°	599.1	11.6
50°-60°	176.0	3.4
60°-70°	56.2	1.1
70°-80°	19.8	0.4
80°-90°	2.9	0.1
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°	2945.9	56.9
0°-40°	4326.9	83.5
0°-60°	5102.1	98.5
0°-90°	5180.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5180.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3701	
5°	3712	354
15°	3715	1048
25°	3396	1544
35°	2264	1381
45°	722	599
55°	182	176
65°	56	56
75°	18	20
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3701.3
2.5°	3690.8
5°	3711.8
7.5°	3718.8
10°	3711.8
12.5°	3711.8
15°	3715.3
17.5°	3694.3
20°	3634.6
22.5°	3533.1
25°	3396.3
27.5°	3203.6
30°	2944.2
32.5°	2635.8
35°	2264.2
37.5°	1840.2
40°	1405.5
42.5°	1026.9
45°	722.1
47.5°	515.2
50°	368.1
52.5°	262.8
55°	182.2
57.5°	122.7
60°	87.6
62.5°	70.1
65°	56.1
67.5°	42.0
70°	31.5
72.5°	24.5
75°	17.5
77.5°	14.0
80°	7.0
82.5°	3.5
85°	3.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)