

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: P583227

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560930-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4837.6 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

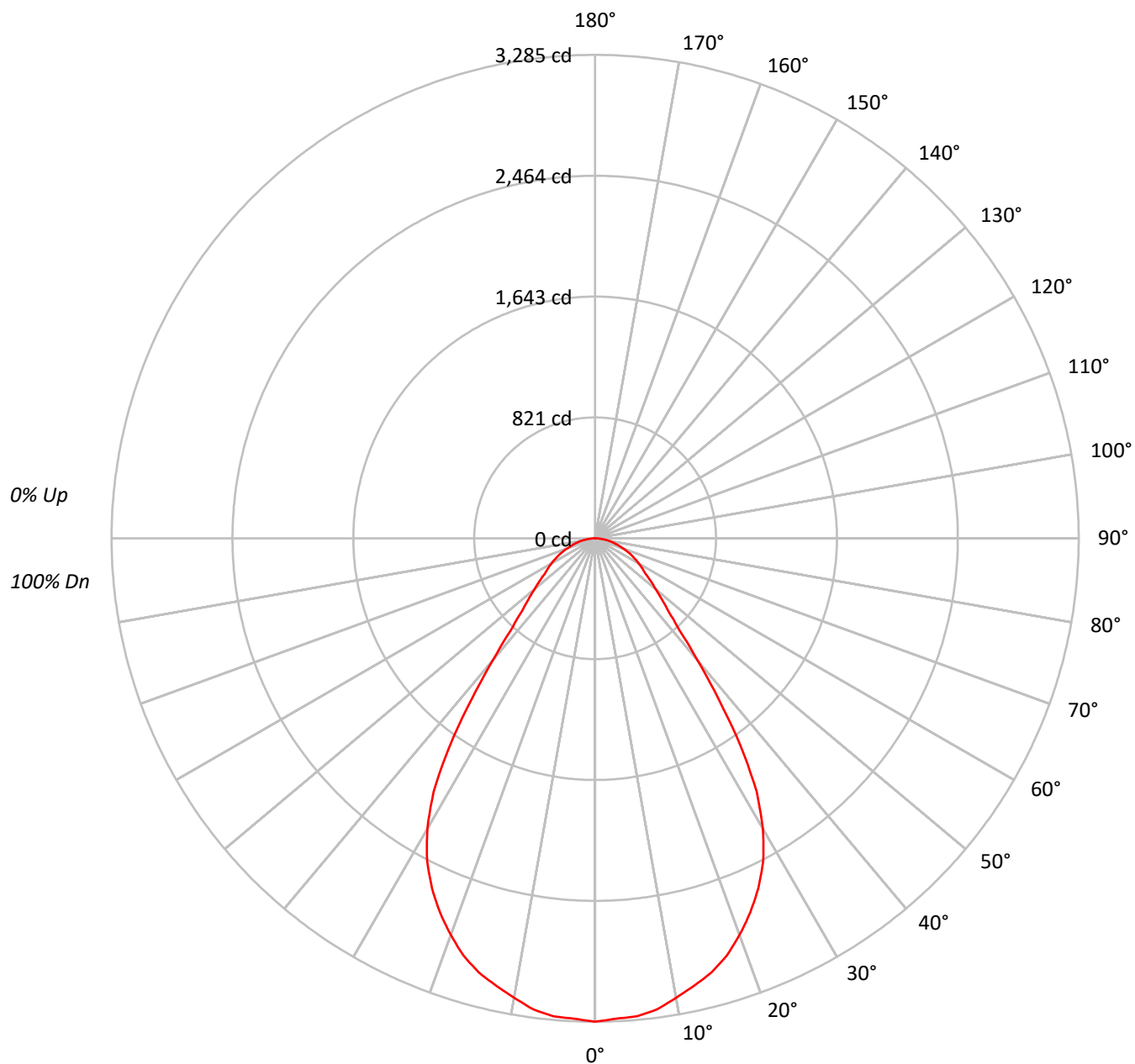
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	82	86	83	81	79		
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70		
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	180090
5°	179424
10°	176427
15°	173321
20°	167332
25°	158664
30°	144320
35°	115315
40°	76944
45°	54843
50°	45704
55°	39836
60°	37629
65°	35425
70°	32570
75°	30416
80°	27623
85°	24216



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.4	6.4
10°-20°	857.5	17.7
20°-30°	1198.2	24.8
30°-40°	1055.5	21.8
40°-50°	570.2	11.8
50°-60°	381.3	7.9
60°-70°	270.2	5.6
70°-80°	151.9	3.1
80°-90°	44.3	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°	2364.1	48.9
0°-40°	3419.6	70.7
0°-60°	4371.2	90.4
0°-90°	4837.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4837.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3285	
5°	3260	308
15°	3054	857
25°	2623	1198
35°	1723	1056
45°	707	570
55°	417	381
65°	273	270
75°	144	152
85°	38	44
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3285.1
2.5°	3267.6
5°	3260.5
7.5°	3229.0
10°	3169.4
12.5°	3113.4
15°	3053.9
17.5°	2973.3
20°	2868.3
22.5°	2752.6
25°	2623.1
27.5°	2472.5
30°	2279.9
32.5°	2041.8
35°	1723.1
37.5°	1376.4
40°	1075.2
42.5°	847.5
45°	707.4
47.5°	612.8
50°	535.9
52.5°	472.8
55°	416.8
57.5°	378.3
60°	343.2
62.5°	308.2
65°	273.1
67.5°	238.1
70°	203.2
72.5°	171.6
75°	143.6
77.5°	115.6
80°	87.5
82.5°	63.0
85°	38.5
87.5°	17.5
90°	0.0



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— 0°-180°







(END OF REPORT)