

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: P582896

Luminaire Tested: **HC605D010-HM60525835-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582896
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: HC605D010-HM60525835-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 763.0 lumens
Efficiency: N/A
Efficacy: 127.2 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

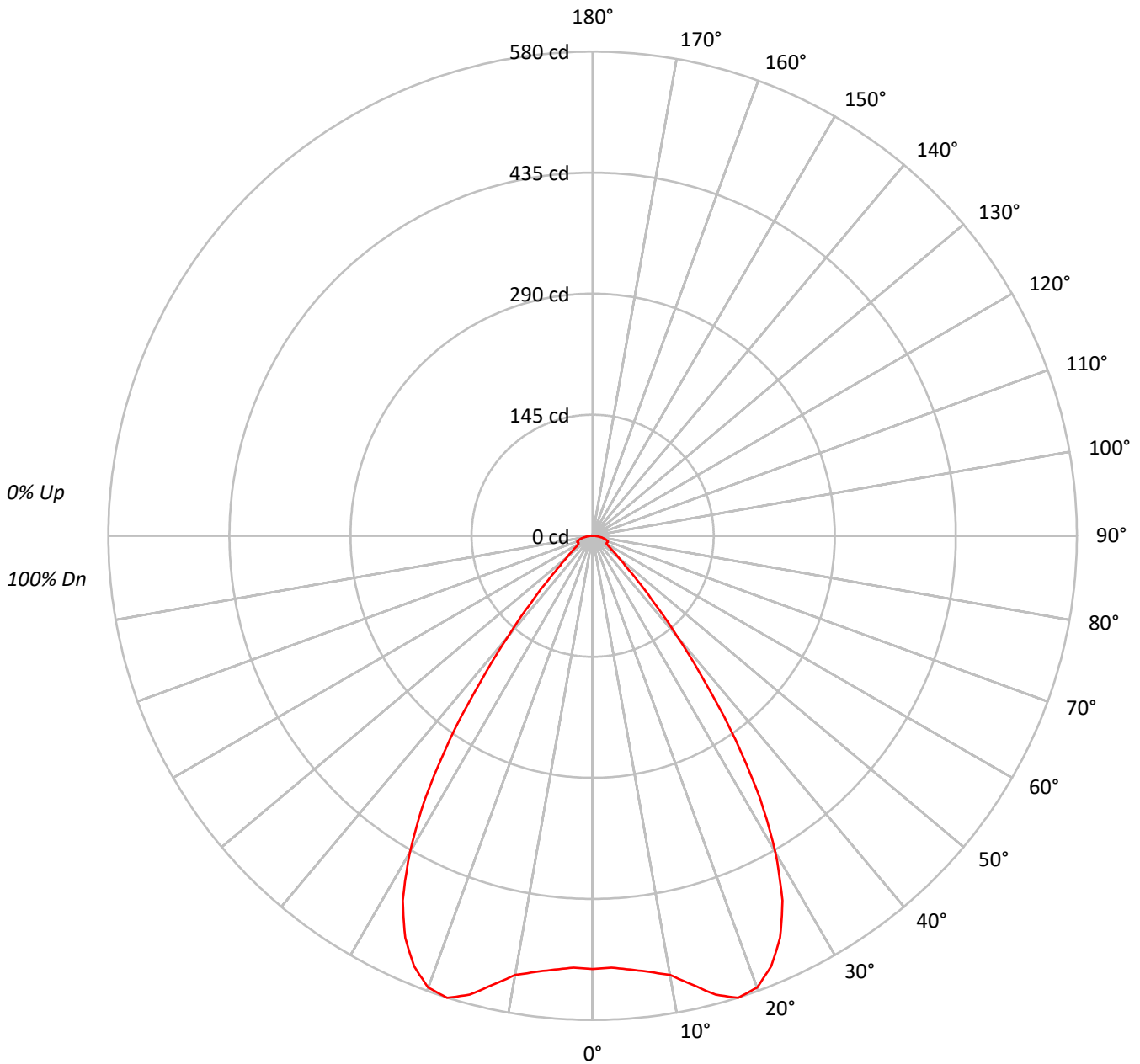
Input Watts (W): 6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	28457
5°	28698
10°	29737
15°	32299
20°	33591
25°	32131
30°	27732
35°	19963
40°	11250
45°	5822
50°	3480
55°	2504
60°	2127
65°	2452
70°	3109
75°	3283
80°	3220
85°	3082



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	6.6
10°-20°	160.5	21.0
20°-30°	239.9	31.4
30°-40°	183.4	24.0
40°-50°	64.1	8.4
50°-60°	24.4	3.2
60°-70°	19.1	2.5
70°-80°	16.2	2.1
80°-90°	5.2	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°	450.6	59.1
0°-40°	634.0	83.1
0°-60°	722.5	94.7
0°-90°	763.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	763.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	519	
5°	522	50
15°	569	161
25°	531	240
35°	298	183
45°	75	64
55°	26	24
65°	19	19
75°	16	16
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	519.1
2.5°	517.7
5°	521.5
7.5°	526.9
10°	534.2
12.5°	550.6
15°	569.1
17.5°	580.3
20°	575.8
22.5°	558.4
25°	531.2
27.5°	492.5
30°	438.1
32.5°	373.1
35°	298.3
37.5°	221.3
40°	157.2
42.5°	110.2
45°	75.1
47.5°	52.9
50°	40.8
52.5°	32.0
55°	26.2
57.5°	21.4
60°	19.4
62.5°	18.9
65°	18.9
67.5°	19.9
70°	19.4
72.5°	18.0
75°	15.5
77.5°	13.1
80°	10.2
82.5°	7.2
85°	4.9
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)