

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: P581797

Luminaire Tested: **HC615D010-HM60525930-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525930-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1334.5 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

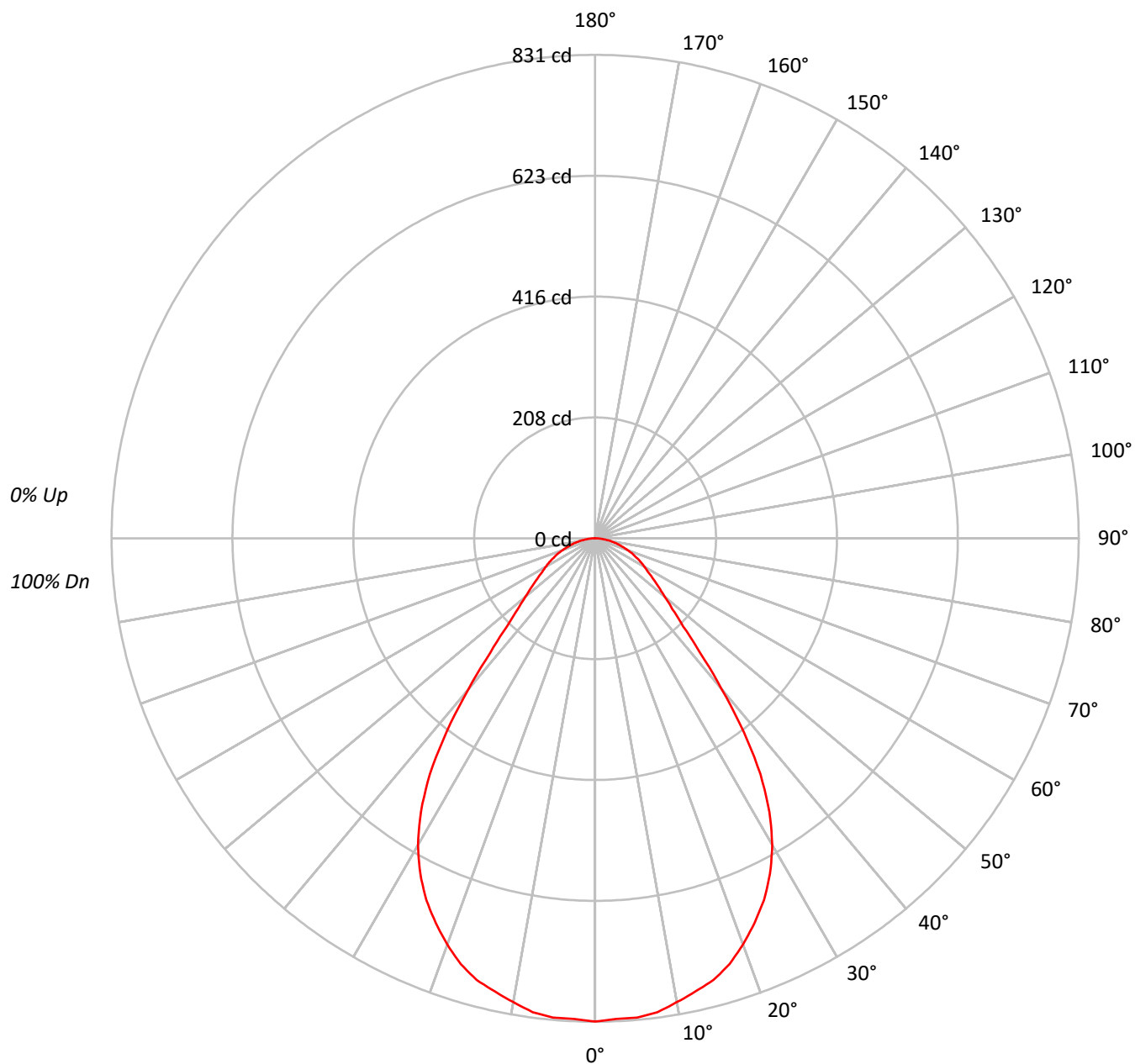
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	80	72	67	87	78	72	66	76	70	66	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	76	66	59	54	64	58	53	63	57	53	61	56	52	51		
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	45539
5°	45515
10°	45073
15°	44609
20°	43345
25°	41512
30°	38531
35°	33147
40°	24195
45°	16575
50°	13330
55°	11622
60°	10723
65°	10183
70°	9521
75°	8896
80°	8050
85°	6919



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	5.9
10°-20°	220.7	16.5
20°-30°	313.9	23.5
30°-40°	302.2	22.6
40°-50°	173.9	13.0
50°-60°	110.2	8.3
60°-70°	78.0	5.8
70°-80°	44.4	3.3
80°-90°	12.7	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°	613.1	45.9
0°-40°	915.3	68.6
0°-60°	1199.4	89.9
0°-90°	1334.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1334.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	831	
5°	827	78
15°	786	221
25°	686	314
35°	495	302
45°	214	174
55°	122	110
65°	78	78
75°	42	44
85°	11	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	830.7
2.5°	827.1
5°	827.1
7.5°	821.6
10°	809.7
12.5°	797.8
15°	786.0
17.5°	767.7
20°	743.0
22.5°	715.6
25°	686.3
27.5°	650.7
30°	608.7
32.5°	557.5
35°	495.3
37.5°	419.5
40°	338.1
42.5°	266.8
45°	213.8
47.5°	180.0
50°	156.3
52.5°	137.1
55°	121.6
57.5°	107.8
60°	97.8
62.5°	88.6
65°	78.5
67.5°	69.5
70°	59.4
72.5°	50.3
75°	42.0
77.5°	33.8
80°	25.5
82.5°	18.3
85°	11.0
87.5°	4.5
90°	0.0



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— 0°-180°







(END OF REPORT)