

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: P581736

Luminaire Tested: **HC615D010-HM60525835-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525835-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1474.6 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

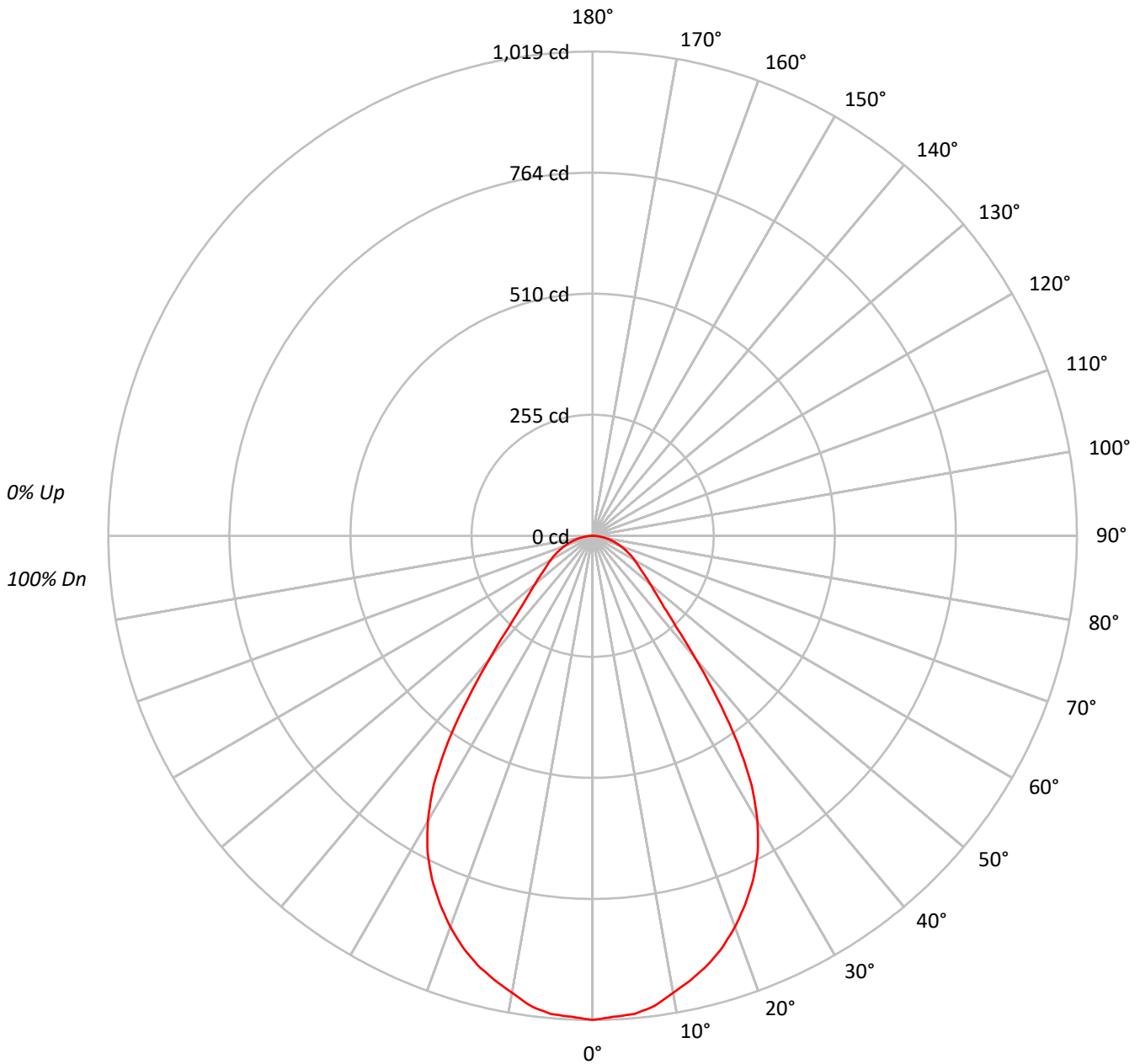
Input Watts (W): 14
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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	83	86	83	81	79			
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55851
5°	55591
10°	54363
15°	53088
20°	51093
25°	48317
30°	43905
35°	35543
40°	23966
45°	16475
50°	13492
55°	11813
60°	11172
65°	10546
70°	9889
75°	9425
80°	8555
85°	7485



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	6.5
10°-20°	262.7	17.8
20°-30°	364.9	24.7
30°-40°	324.9	22.0
40°-50°	172.5	11.7
50°-60°	112.8	7.7
60°-70°	80.8	5.5
70°-80°	46.9	3.2
80°-90°	13.7	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°	723.0	49.0
0°-40°	1047.9	71.1
0°-60°	1333.2	90.4
0°-90°	1474.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1474.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1019	
5°	1010	95
15°	935	263
25°	799	365
35°	531	325
45°	212	172
55°	124	113
65°	81	81
75°	44	47
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1018.8
2.5°	1013.3
5°	1010.2
7.5°	998.2
10°	976.6
12.5°	957.0
15°	935.4
17.5°	908.2
20°	875.8
22.5°	838.9
25°	798.8
27.5°	752.2
30°	693.6
32.5°	623.2
35°	531.1
37.5°	429.1
40°	334.9
42.5°	260.1
45°	212.5
47.5°	181.0
50°	158.2
52.5°	139.8
55°	123.6
57.5°	111.7
60°	101.9
62.5°	92.2
65°	81.3
67.5°	71.5
70°	61.7
72.5°	53.1
75°	44.5
77.5°	35.8
80°	27.1
82.5°	19.5
85°	11.9
87.5°	5.4
90°	0.0



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— 0°-180°







(END OF REPORT)