

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: P581798

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581798
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: HC615D010-HM60525930-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1437.8 lumens
Efficiency: N/A
Efficacy: 102.7 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

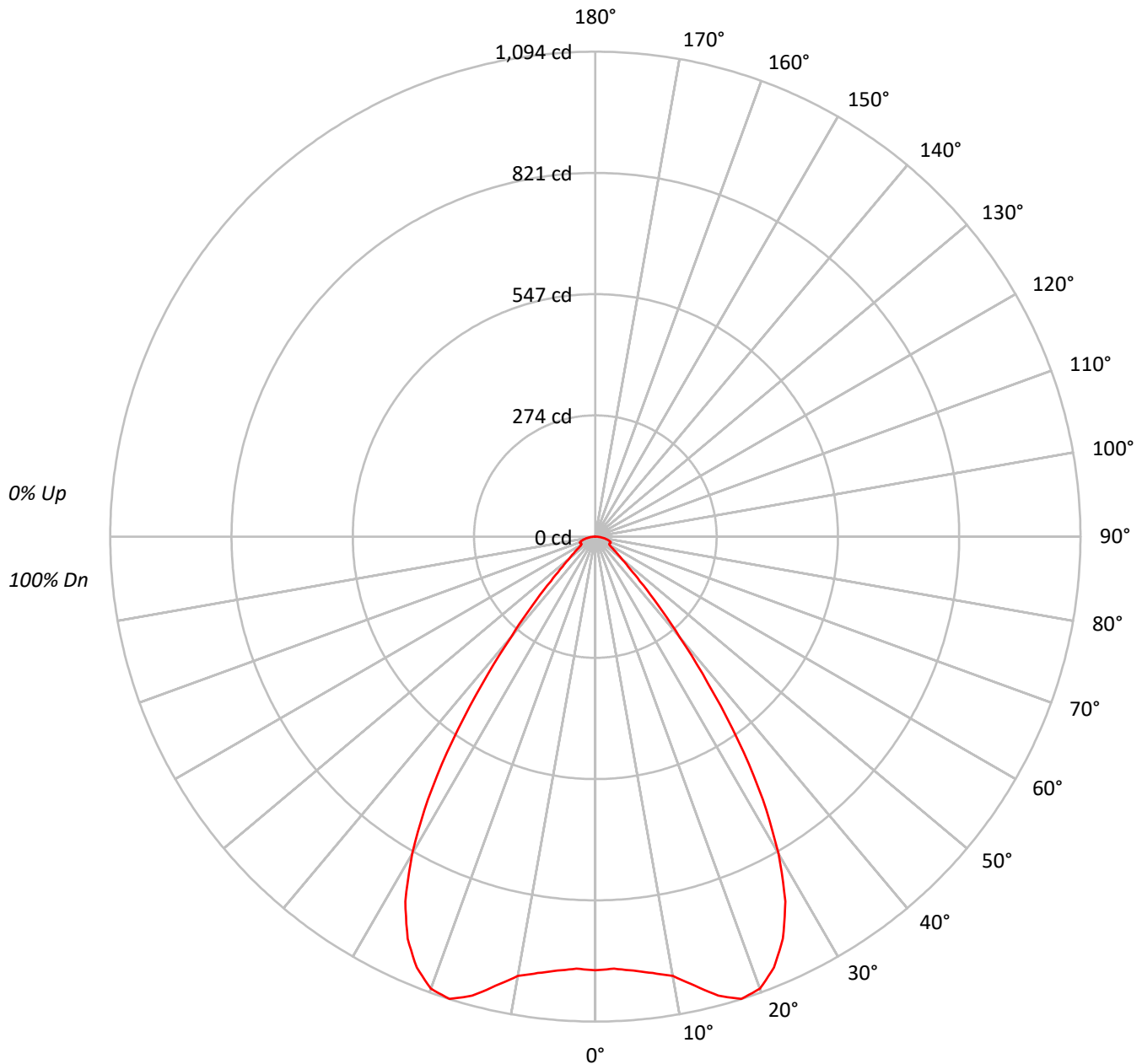
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103		110	107	104	102		103	100	98		99	97	95		95	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	86	84
3	99	92	86	81		97	90	85	81		88	83	79		85	81	78		83	80	77
4	93	85	78	73		91	83	78	73		81	76	72		79	75	71		77	73	70
5	88	78	72	67		86	77	71	66		75	70	66		74	69	65		72	68	65
6	83	73	66	61		81	72	66	61		70	65	60		69	64	60		67	63	60
7	78	68	61	56		77	67	61	56		66	60	56		64	59	55		63	59	55
8	74	63	57	52		73	63	56	52		61	56	52		60	55	51		59	55	51
9	70	59	53	48		69	59	52	48		58	52	48		57	51	48		56	51	48
10	66	56	49	45		65	55	49	45		54	48	45		53	48	44		53	48	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53631
5°	54083
10°	56033
15°	60857
20°	63309
25°	60554
30°	52261
35°	37631
40°	21197
45°	10993
50°	6550
55°	4721
60°	4002
65°	4618
70°	5850
75°	6206
80°	6061
85°	5787



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	6.6
10°-20°	302.5	21.0
20°-30°	452.1	31.4
30°-40°	345.6	24.0
40°-50°	120.7	8.4
50°-60°	46.0	3.2
60°-70°	36.0	2.5
70°-80°	30.5	2.1
80°-90°	9.8	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°	849.1	59.1
0°-40°	1194.7	83.1
0°-60°	1361.5	94.7
0°-90°	1437.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1437.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	978	
5°	983	95
15°	1072	302
25°	1001	452
35°	562	346
45°	142	121
55°	49	46
65°	36	36
75°	29	30
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	978.3
2.5°	975.5
5°	982.8
7.5°	992.9
10°	1006.6
12.5°	1037.6
15°	1072.3
17.5°	1093.5
20°	1085.2
22.5°	1052.3
25°	1001.1
27.5°	928.0
30°	825.6
32.5°	703.0
35°	562.3
37.5°	416.9
40°	296.2
42.5°	207.5
45°	141.8
47.5°	99.7
50°	76.8
52.5°	60.4
55°	49.4
57.5°	40.2
60°	36.5
62.5°	35.6
65°	35.6
67.5°	37.5
70°	36.5
72.5°	33.8
75°	29.3
77.5°	24.6
80°	19.2
82.5°	13.7
85°	9.2
87.5°	3.6
90°	0.0



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— 0°-180°







(END OF REPORT)