

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: P581830

Luminaire Tested: **HC615D010-HM60525940-61WDBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525940-61WDBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1286.2 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

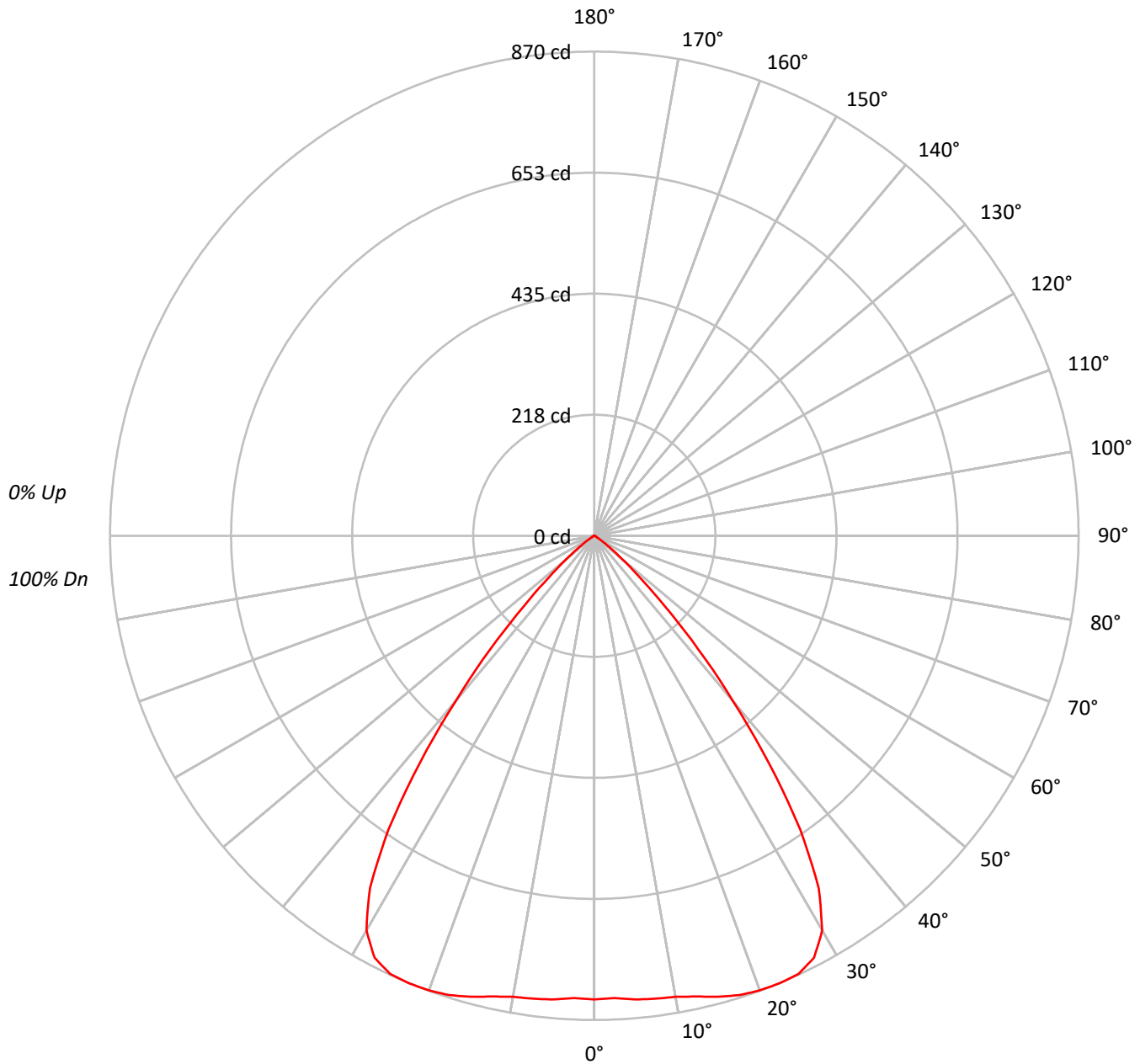
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	113	110	107	105	110	108	105	103		104	102	100			100	98	97			97
2	107	101	97	93	104	100	95	92		96	93	90			93	91	88			90
3	100	93	88	83	98	92	87	83		89	85	81			87	83	80			84
4	95	86	80	75	93	85	79	75		83	78	74			81	77	73			79
5	89	80	73	68	87	79	73	68		77	72	67			75	70	67			73
6	84	74	67	62	82	73	67	62		71	66	62			70	65	61			69
7	79	68	62	57	77	68	61	57		66	61	57			65	60	56			64
8	74	64	57	52	73	63	57	52		62	56	52			61	56	52			60
9	70	59	53	48	69	59	53	48		58	52	48			57	52	48			56
10	66	56	49	45	65	55	49	45		54	48	45			53	48	44			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	45676
5°	46016
10°	46815
15°	48672
20°	50714
25°	52521
30°	51818
35°	43172
40°	27688
45°	13823
50°	5492
55°	1864
60°	537
65°	389
70°	305
75°	402
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	6.2
10°-20°	243.2	18.9
20°-30°	397.2	30.9
30°-40°	389.3	30.3
40°-50°	149.3	11.6
50°-60°	21.9	1.7
60°-70°	3.3	0.3
70°-80°	1.6	0.1
80°-90°	0.4	0.0
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°	720.3	56.0
0°-40°	1109.6	86.3
0°-60°	1280.8	99.6
0°-90°	1286.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1286.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	833	
5°	836	80
15°	858	243
25°	868	397
35°	645	389
45°	178	149
55°	20	22
65°	3	3
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	833.2
2.5°	831.3
5°	836.2
7.5°	839.0
10°	841.0
12.5°	847.8
15°	857.6
17.5°	865.3
20°	869.3
22.5°	870.2
25°	868.3
27.5°	854.7
30°	818.6
32.5°	750.3
35°	645.1
37.5°	515.5
40°	386.9
42.5°	275.8
45°	178.3
47.5°	109.2
50°	64.4
52.5°	37.0
55°	19.5
57.5°	8.7
60°	4.9
62.5°	3.9
65°	3.0
67.5°	3.0
70°	1.9
72.5°	1.9
75°	1.9
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)