

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: P581795

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525930-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1474.3 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

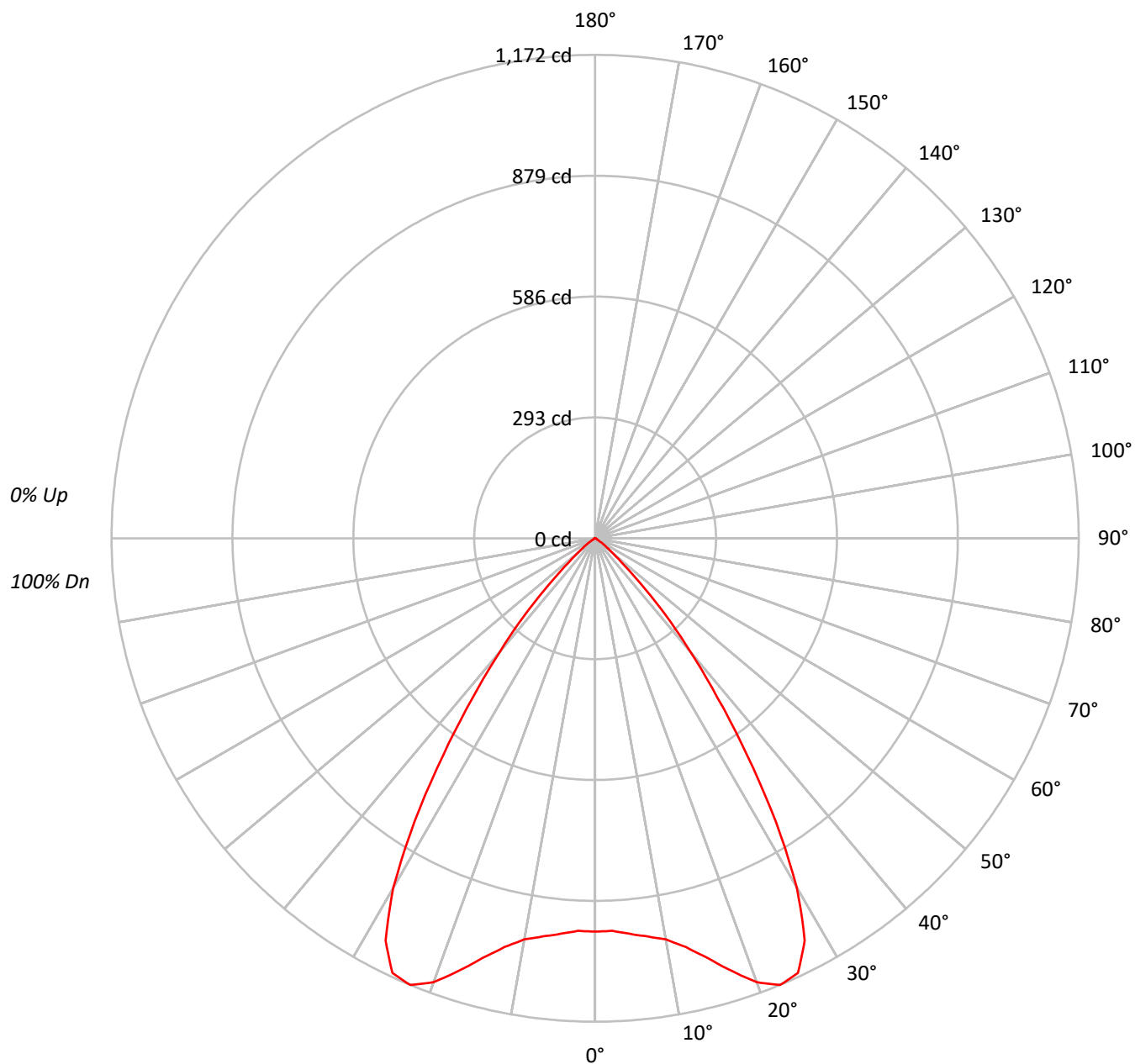
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105		111	108	106	103		104	102	100		100	99	97		97	96	94
2	107	102	97	94		105	100	96	93		97	94	91		94	91	89		91	89	87
3	101	94	89	85		99	93	88	84		90	86	82		88	84	81		85	82	80
4	95	87	81	77		93	86	80	76		84	79	75		82	78	74		80	76	74
5	90	81	75	70		88	80	74	70		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	63	59		79	69	63	59		68	62	58		67	62	58		66	61	58
8	76	65	59	54		74	65	59	54		64	58	54		62	57	54		61	57	53
9	71	61	55	50		70	60	54	50		60	54	50		59	53	50		58	53	50
10	68	57	51	47		67	57	51	47		56	50	46		55	50	46		54	50	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	52271
5°	52971
10°	54959
15°	59773
20°	66821
25°	70335
30°	61915
35°	42945
40°	25641
45°	12187
50°	4597
55°	1921
60°	592
65°	467
70°	289
75°	191
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	6.3
10°-20°	302.4	20.5
20°-30°	518.2	35.1
30°-40°	402.4	27.3
40°-50°	133.0	9.0
50°-60°	20.4	1.4
60°-70°	3.6	0.2
70°-80°	1.3	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°	913.2	61.9
0°-40°	1315.6	89.2
0°-60°	1469.0	99.6
0°-90°	1474.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1474.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	954	
5°	963	93
15°	1053	302
25°	1163	518
35°	642	402
45°	157	133
55°	20	20
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	953.5
2.5°	952.6
5°	962.6
7.5°	973.6
10°	987.3
12.5°	1014.7
15°	1053.2
17.5°	1099.8
20°	1145.4
22.5°	1172.0
25°	1162.8
27.5°	1099.8
30°	978.1
32.5°	814.6
35°	641.7
37.5°	487.3
40°	358.3
42.5°	253.2
45°	157.2
47.5°	87.7
50°	53.9
52.5°	32.9
55°	20.1
57.5°	10.1
60°	5.4
62.5°	4.5
65°	3.6
67.5°	2.7
70°	1.8
72.5°	1.8
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)