

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: P581725

Luminaire Tested: **HC615D010-HM60525830-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581725
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-HM60525830-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1556.8 lumens
Efficiency: N/A
Efficacy: 111.2 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

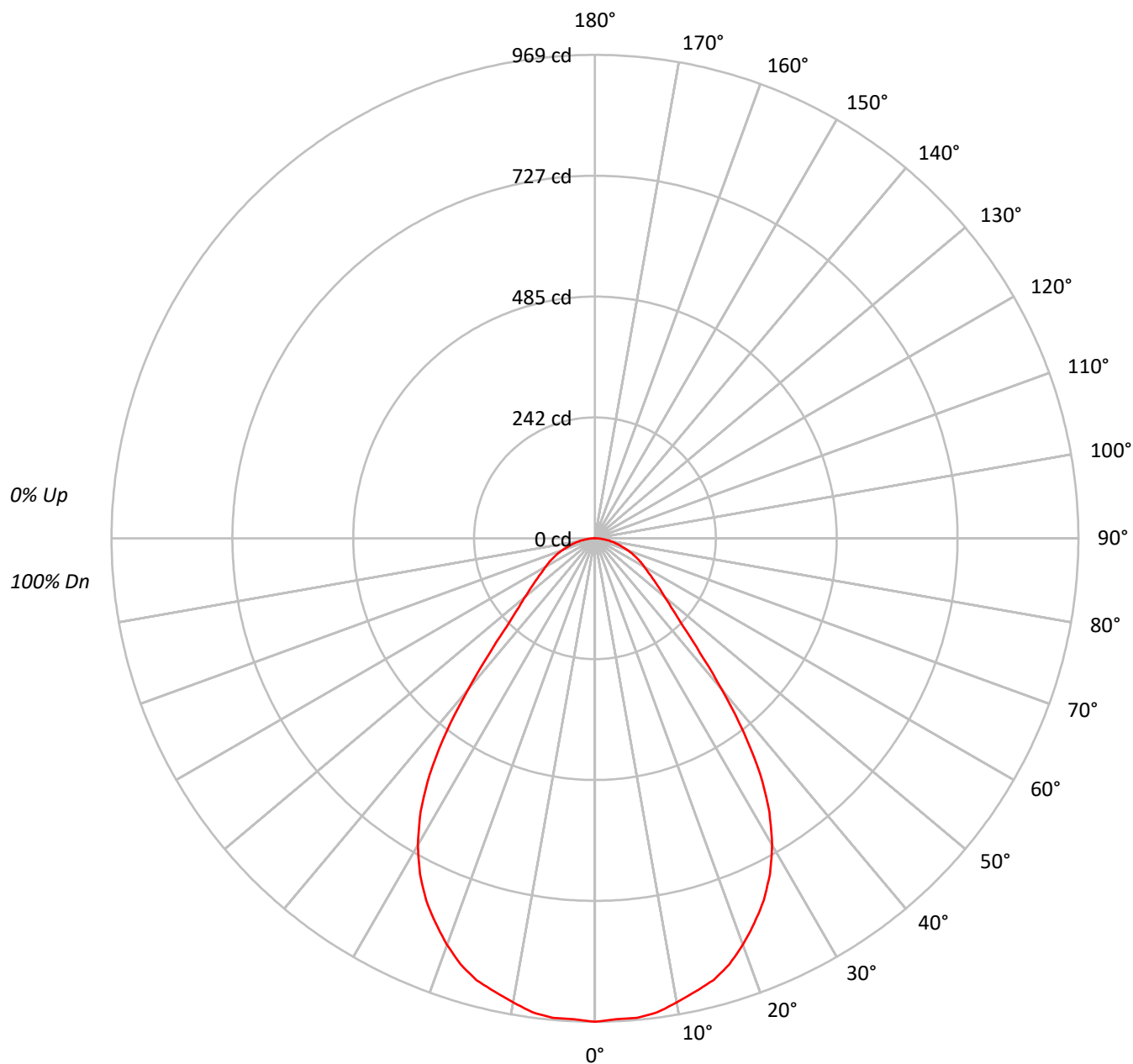
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581725

CATALOG NUMBER: HC615D010-HM60525830-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P581725

CATALOG NUMBER: HC615D010-HM60525830-61WDW

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	111	107	104	101	108	105	102	99		101	98	96		97	95	93		94	92	90
2	103	97	91	87	101	95	90	86		91	87	84		88	85	82		85	83	80
3	96	87	81	76	94	86	80	75		83	78	74		81	76	72		78	74	71
4	89	80	72	67	87	78	72	66		76	70	66		74	69	65		72	67	64
5	84	73	65	60	82	72	65	59		70	64	59		68	63	58		66	61	58
6	78	67	59	54	76	66	59	54		64	58	53		63	57	53		61	56	52
7	73	62	54	49	72	61	54	49		60	53	48		58	52	48		57	52	48
8	69	57	50	45	68	57	50	45		55	49	44		54	48	44		53	48	44
9	65	53	46	41	64	53	46	41		52	45	41		51	45	41		50	44	41
10	61	50	43	38	60	49	42	38		48	42	38		47	42	38		47	41	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53126
5°	53098
10°	52576
15°	52038
20°	50568
25°	48426
30°	44950
35°	38668
40°	28224
45°	19343
50°	15547
55°	13553
60°	12510
65°	11895
70°	11108
75°	10379
80°	9439
85°	8051



TEST NUMBER: P581725

CATALOG NUMBER: HC615D010-HM60525830-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	5.9
10°-20°	257.5	16.5
20°-30°	366.2	23.5
30°-40°	352.6	22.6
40°-50°	202.9	13.0
50°-60°	128.5	8.3
60°-70°	91.0	5.8
70°-80°	51.9	3.3
80°-90°	14.8	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°	715.2	45.9
0°-40°	1067.8	68.6
0°-60°	1399.1	89.9
0°-90°	1556.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1556.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	969	
5°	965	91
15°	917	257
25°	801	366
35°	578	353
45°	250	203
55°	142	129
65°	92	91
75°	49	52
85°	13	15
90°	0	



TEST NUMBER: P581725

CATALOG NUMBER: HC615D010-HM60525830-61WDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	969.1
2.5°	964.9
5°	964.9
7.5°	958.4
10°	944.5
12.5°	930.7
15°	916.9
17.5°	895.5
20°	866.8
22.5°	834.8
25°	800.6
27.5°	759.1
30°	710.1
32.5°	650.4
35°	577.8
37.5°	489.3
40°	394.4
42.5°	311.3
45°	249.5
47.5°	210.0
50°	182.3
52.5°	159.9
55°	141.8
57.5°	125.8
60°	114.1
62.5°	103.4
65°	91.7
67.5°	81.0
70°	69.3
72.5°	58.7
75°	49.0
77.5°	39.5
80°	29.9
82.5°	21.3
85°	12.8
87.5°	5.3
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)