

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: P582064

Luminaire Tested: **HC625D010-HM60525927-61WDBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582064  
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: HC625D010-HM60525927-61WDBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1850.4 lumens  
Efficiency: N/A  
Efficacy: 69.0 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

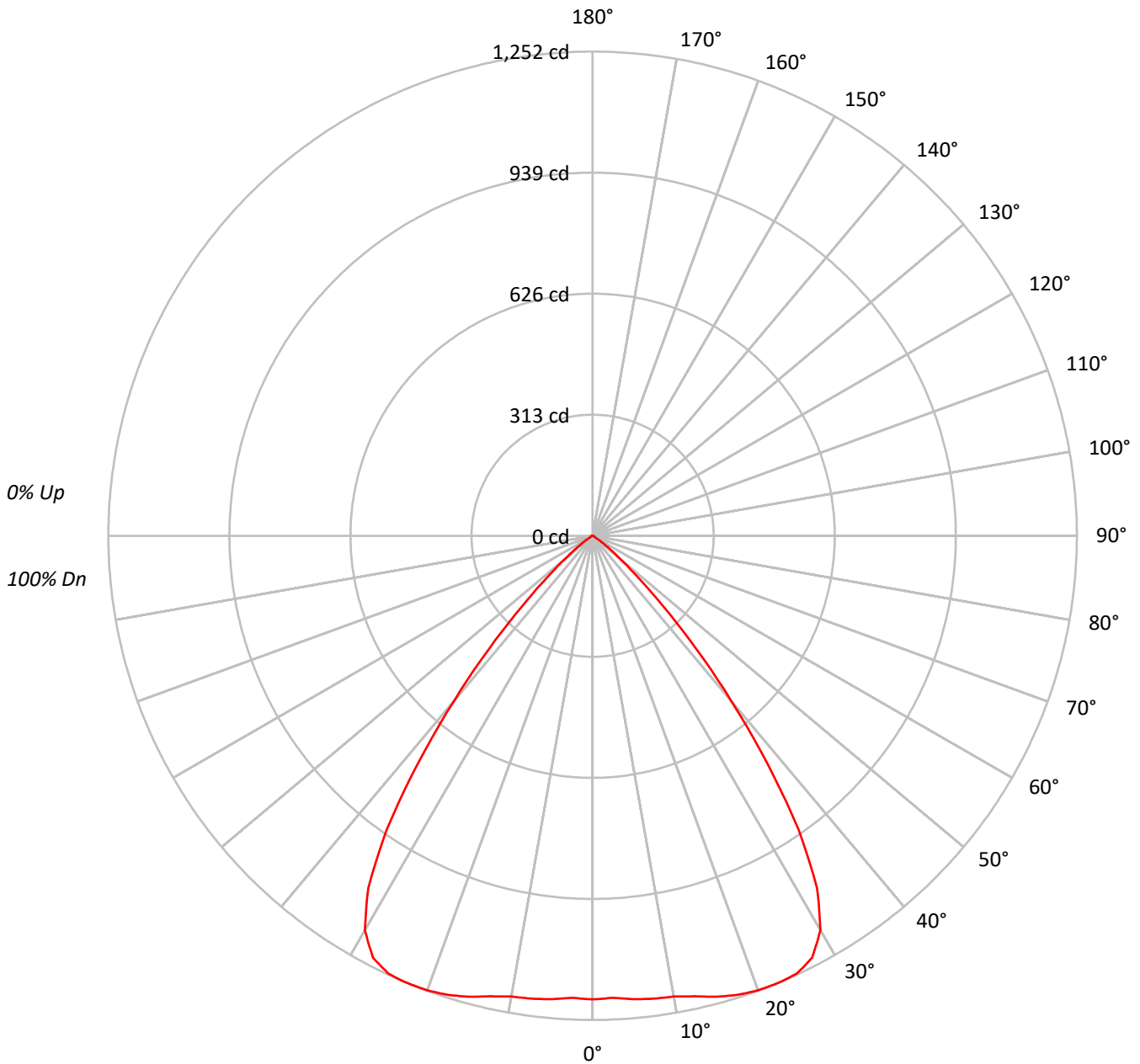
Input Watts (W): 26.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P582064

CATALOG NUMBER: HC625D010-HM60525927-61WDBB

### Luminous Intensity Polar Plot





TEST NUMBER: P582064

CATALOG NUMBER: HC625D010-HM60525927-61WDBB

**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	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	101	97	93	104	100	95	92	96	93	90	93	90	88	90	88	86	85	85	85	85
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77	77	77	77
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71	71	71	71
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65	65	65	65
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59	59	59	59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54	54	54	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50	50	50	50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46	46	46	46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43	43	43	43

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	65713
5°	66195
10°	67350
15°	70023
20°	72958
25°	75561
30°	74549
35°	62111
40°	39832
45°	19894
50°	7889
55°	2686
60°	767
65°	558
70°	449
75°	593
80°	442
85°	0



TEST NUMBER: P582064

CATALOG NUMBER: HC625D010-HM60525927-61WDBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.0	6.2
10°-20°	349.9	18.9
20°-30°	571.4	30.9
30°-40°	560.1	30.3
40°-50°	214.8	11.6
50°-60°	31.5	1.7
60°-70°	4.7	0.3
70°-80°	2.4	0.1
80°-90°	0.6	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°	1036.3	56.0
0°-40°	1596.5	86.3
0°-60°	1842.8	99.6
0°-90°	1850.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1850.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1199	
5°	1203	115
15°	1234	350
25°	1249	571
35°	928	560
45°	257	215
55°	28	32
65°	4	5
75°	3	2
85°	0	1
90°	0	



TEST NUMBER: P582064

CATALOG NUMBER: HC625D010-HM60525927-61WDBB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1198.7
2.5°	1195.9
5°	1202.9
7.5°	1207.1
10°	1209.9
12.5°	1219.8
15°	1233.8
17.5°	1245.0
20°	1250.6
22.5°	1252.0
25°	1249.2
27.5°	1229.6
30°	1177.7
32.5°	1079.6
35°	928.1
37.5°	741.7
40°	556.6
42.5°	396.8
45°	256.6
47.5°	157.0
50°	92.5
52.5°	53.3
55°	28.1
57.5°	12.7
60°	7.0
62.5°	5.6
65°	4.3
67.5°	4.3
70°	2.8
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P







— 0°-180°







(END OF REPORT)