

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: P582104

Luminaire Tested: **HC625D010-HM60525935-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582104
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: HC625D010-HM60525935-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2534.1 lumens
Efficiency: N/A
Efficacy: 94.6 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

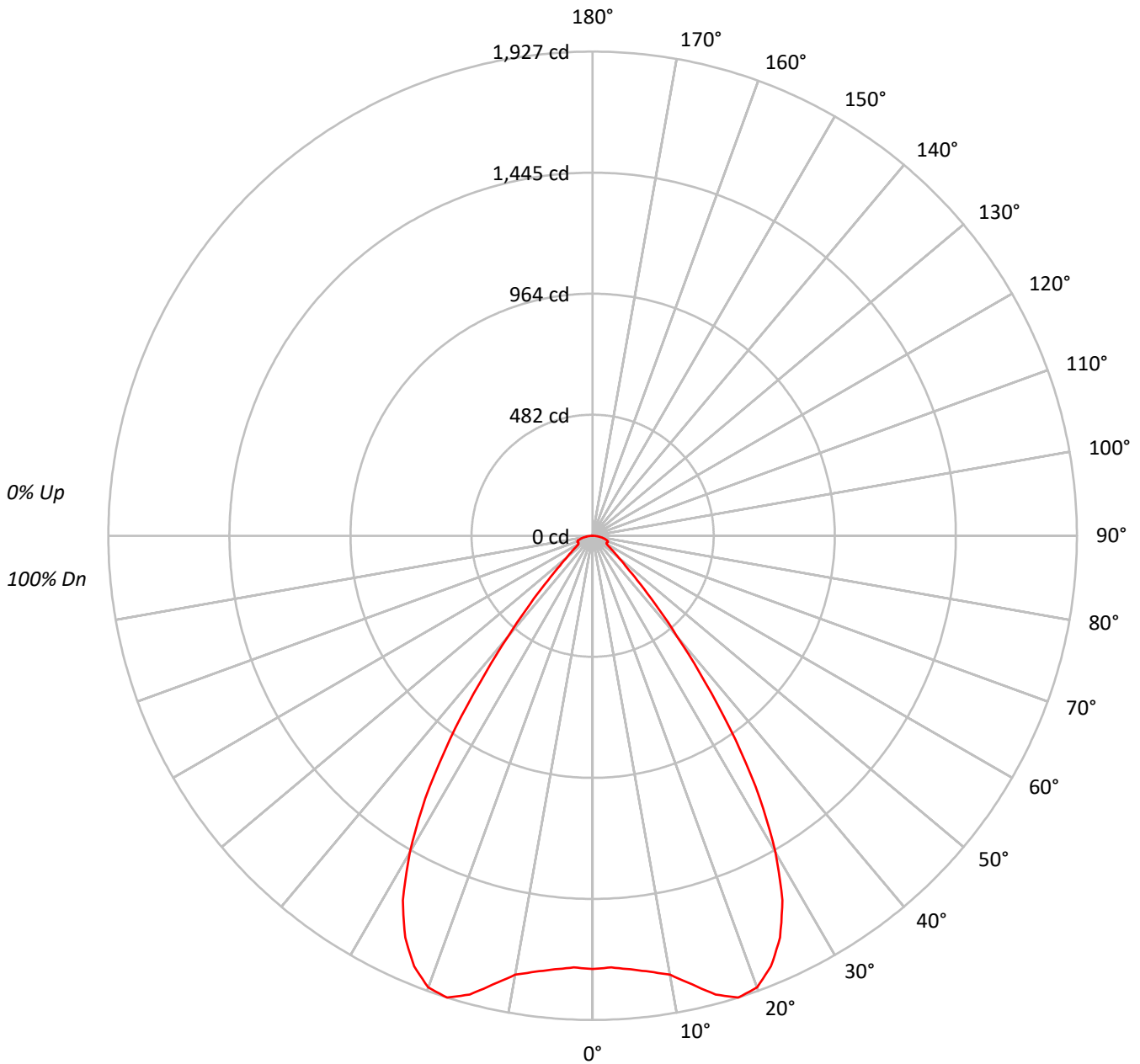
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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			
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94510
5°	95317
10°	98751
15°	107265
20°	111578
25°	106718
30°	92103
35°	66314
40°	37356
45°	19359
50°	11539
55°	8315
60°	7061
65°	8159
70°	10322
75°	10908
80°	10671
85°	10190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.7	6.6
10°-20°	533.1	21.0
20°-30°	796.8	31.4
30°-40°	609.1	24.0
40°-50°	212.7	8.4
50°-60°	81.1	3.2
60°-70°	63.6	2.5
70°-80°	53.8	2.1
80°-90°	17.3	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°	1496.5	59.1
0°-40°	2105.6	83.1
0°-60°	2399.4	94.7
0°-90°	2534.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2534.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1724	
5°	1732	167
15°	1890	533
25°	1764	797
35°	991	609
45°	250	213
55°	87	81
65°	63	64
75°	52	54
85°	16	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1724.0
2.5°	1719.2
5°	1732.1
7.5°	1749.8
10°	1774.0
12.5°	1828.8
15°	1890.0
17.5°	1927.1
20°	1912.6
22.5°	1854.6
25°	1764.3
27.5°	1635.4
30°	1455.0
32.5°	1239.1
35°	990.9
37.5°	734.8
40°	522.0
42.5°	365.8
45°	249.7
47.5°	175.7
50°	135.3
52.5°	106.4
55°	87.0
57.5°	70.9
60°	64.4
62.5°	62.9
65°	62.9
67.5°	66.0
70°	64.4
72.5°	59.6
75°	51.5
77.5°	43.5
80°	33.8
82.5°	24.2
85°	16.2
87.5°	6.4
90°	0.0



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— 0°-180°







(END OF REPORT)