

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: P582024

Luminaire Tested: **HC625D010-HM60525835-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC625D010-HM60525835-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2468.6 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

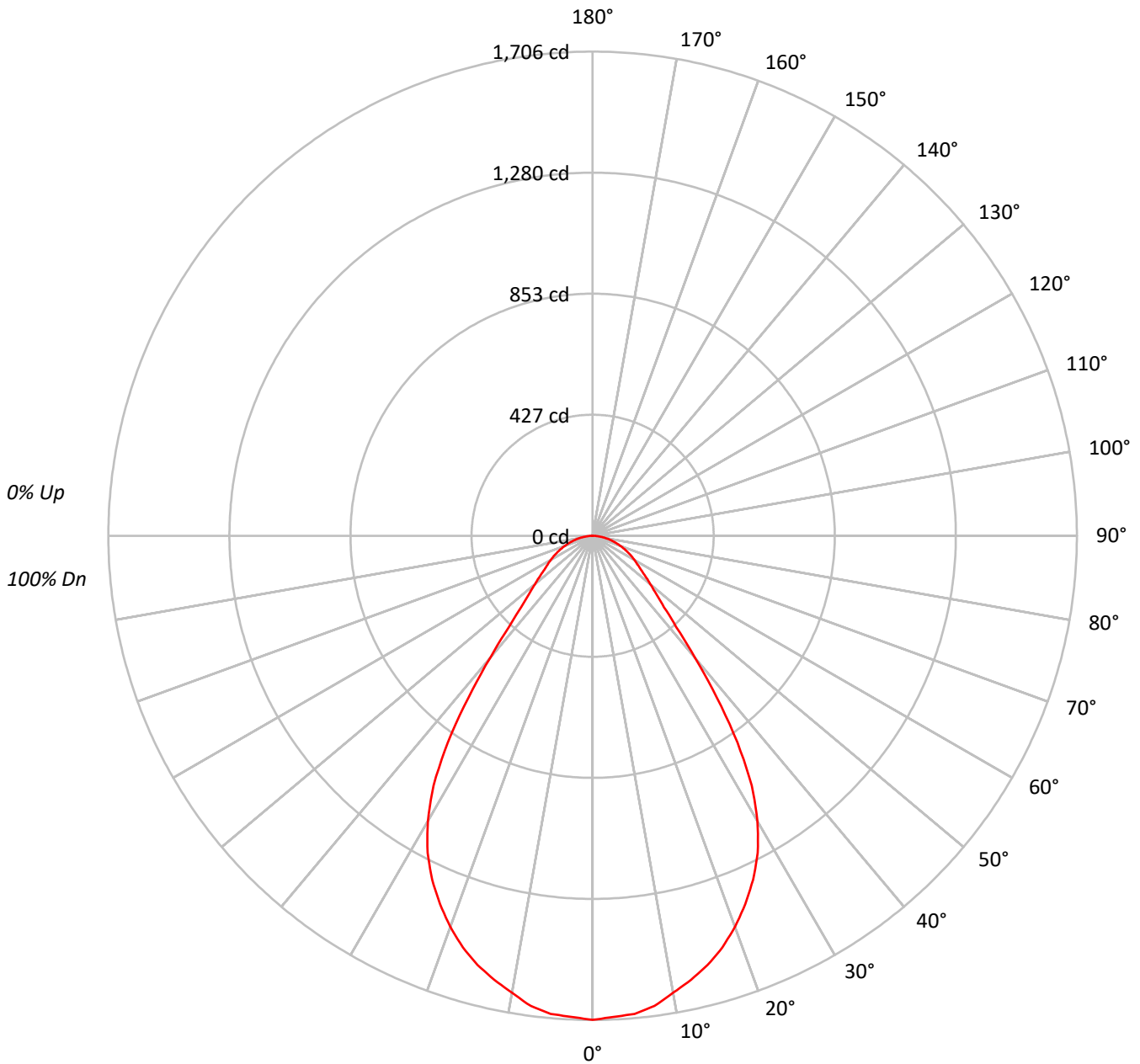
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582024

CATALOG NUMBER: HC625D010-HM60525835-61NDW

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			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93501
5°	93055
10°	91003
15°	88871
20°	85530
25°	80884
30°	73511
35°	59501
40°	40125
45°	27569
50°	22592
55°	19775
60°	18694
65°	17654
70°	16573
75°	15759
80°	14333
85°	12517



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.6	6.5
10°-20°	439.7	17.8
20°-30°	610.9	24.7
30°-40°	544.0	22.0
40°-50°	288.7	11.7
50°-60°	188.8	7.6
60°-70°	135.3	5.5
70°-80°	78.5	3.2
80°-90°	22.9	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°	1210.3	49.0
0°-40°	1754.3	71.1
0°-60°	2231.9	90.4
0°-90°	2468.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2468.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1706	
5°	1691	160
15°	1566	440
25°	1337	611
35°	889	544
45°	356	289
55°	207	189
65°	136	135
75°	74	79
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1705.6
2.5°	1696.6
5°	1691.0
7.5°	1671.1
10°	1634.8
12.5°	1602.2
15°	1565.9
17.5°	1520.5
20°	1466.1
22.5°	1404.4
25°	1337.2
27.5°	1259.3
30°	1161.3
32.5°	1043.4
35°	889.1
37.5°	718.5
40°	560.7
42.5°	435.4
45°	355.6
47.5°	303.0
50°	264.9
52.5°	234.1
55°	206.9
57.5°	186.9
60°	170.5
62.5°	154.2
65°	136.1
67.5°	119.8
70°	103.4
72.5°	89.0
75°	74.4
77.5°	59.9
80°	45.4
82.5°	32.7
85°	19.9
87.5°	9.0
90°	0.0



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— 0°-180°







(END OF REPORT)