

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: P582276

Luminaire Tested: **HC635D010-HM63040827-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582276
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: HC635D010-HM63040827-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3310.4 lumens
Efficiency: N/A
Efficacy: 98.2 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

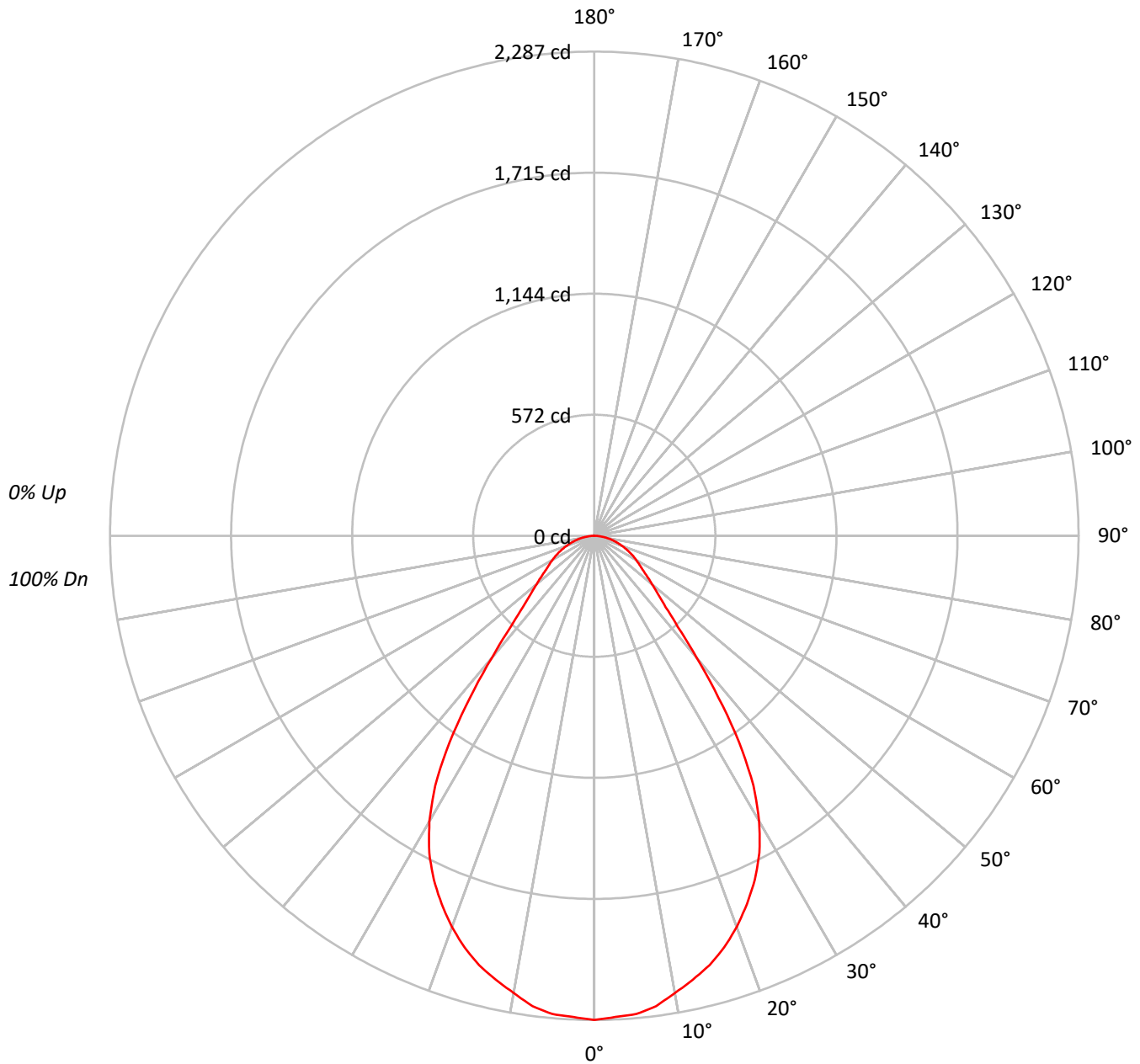
Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70		
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57		
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41		
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	125385
5°	124791
10°	122036
15°	119172
20°	114693
25°	108466
30°	98572
35°	79786
40°	53808
45°	36981
50°	30293
55°	26513
60°	25075
65°	23673
70°	22215
75°	21139
80°	19194
85°	16794



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.1	6.5
10°-20°	589.7	17.8
20°-30°	819.2	24.7
30°-40°	729.4	22.0
40°-50°	387.2	11.7
50°-60°	253.2	7.7
60°-70°	181.5	5.5
70°-80°	105.3	3.2
80°-90°	30.7	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°	1623.0	49.0
0°-40°	2352.5	71.1
0°-60°	2992.9	90.4
0°-90°	3310.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3310.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2287	
5°	2268	214
15°	2100	590
25°	1793	819
35°	1192	729
45°	477	387
55°	277	253
65°	182	181
75°	100	105
85°	27	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2287.2
2.5°	2275.1
5°	2267.7
7.5°	2241.0
10°	2192.3
12.5°	2148.4
15°	2099.8
17.5°	2039.0
20°	1966.0
22.5°	1883.3
25°	1793.2
27.5°	1688.6
30°	1557.2
32.5°	1399.1
35°	1192.2
37.5°	963.6
40°	751.9
42.5°	584.0
45°	477.0
47.5°	406.3
50°	355.2
52.5°	313.9
55°	277.4
57.5°	250.7
60°	228.7
62.5°	206.8
65°	182.5
67.5°	160.6
70°	138.6
72.5°	119.3
75°	99.8
77.5°	80.3
80°	60.8
82.5°	43.8
85°	26.7
87.5°	12.1
90°	0.0



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— 0°-180°







(END OF REPORT)