

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: P583399

Luminaire Tested: **HC607D010-HM60525935-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583399
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: HC607D010-HM60525935-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 832.6 lumens
Efficiency: N/A
Efficacy: 104.1 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

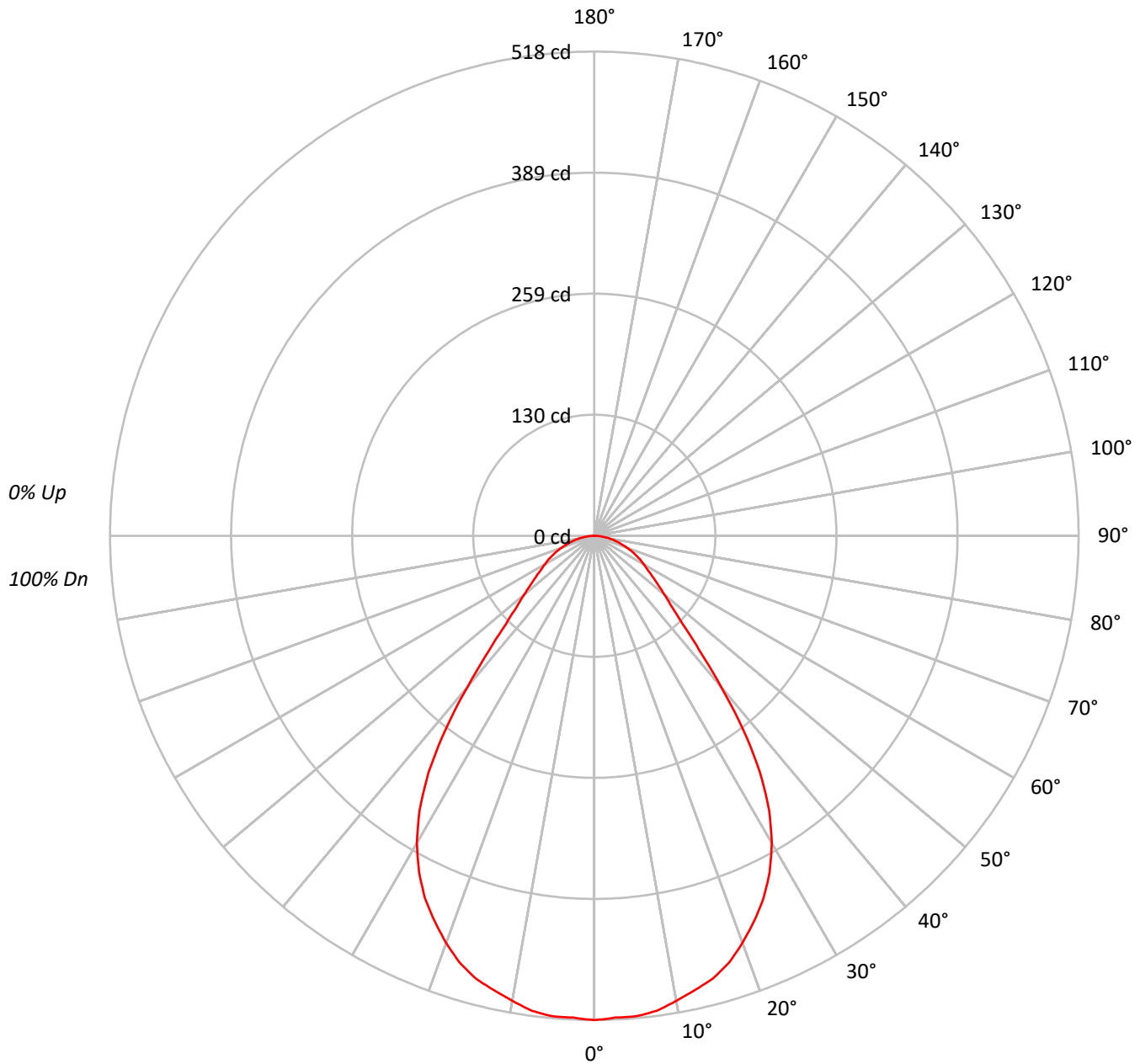
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62		
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56		
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51		
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	28408
5°	28395
10°	28122
15°	27832
20°	27040
25°	25901
30°	24035
35°	20679
40°	15100
45°	10350
50°	8324
55°	7245
60°	6688
65°	6369
70°	5930
75°	5549
80°	5051
85°	4277



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	5.9
10°-20°	137.7	16.5
20°-30°	195.9	23.5
30°-40°	188.6	22.6
40°-50°	108.5	13.0
50°-60°	68.7	8.3
60°-70°	48.7	5.8
70°-80°	27.7	3.3
80°-90°	7.9	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°	382.5	45.9
0°-40°	571.0	68.6
0°-60°	748.3	89.9
0°-90°	832.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	832.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	518	
5°	516	49
15°	490	138
25°	428	196
35°	309	189
45°	134	109
55°	76	69
65°	49	49
75°	26	28
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	518.2
2.5°	516.0
5°	516.0
7.5°	512.6
10°	505.2
12.5°	497.7
15°	490.4
17.5°	478.9
20°	463.5
22.5°	446.4
25°	428.2
27.5°	406.0
30°	379.7
32.5°	347.8
35°	309.0
37.5°	261.7
40°	211.0
42.5°	166.4
45°	133.5
47.5°	112.3
50°	97.6
52.5°	85.5
55°	75.8
57.5°	67.3
60°	61.0
62.5°	55.3
65°	49.1
67.5°	43.3
70°	37.0
72.5°	31.4
75°	26.2
77.5°	21.1
80°	16.0
82.5°	11.4
85°	6.8
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)