

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: P581931

Luminaire Tested: **HC620D010-HM60525930-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC620D010-HM60525930-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1704.2 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

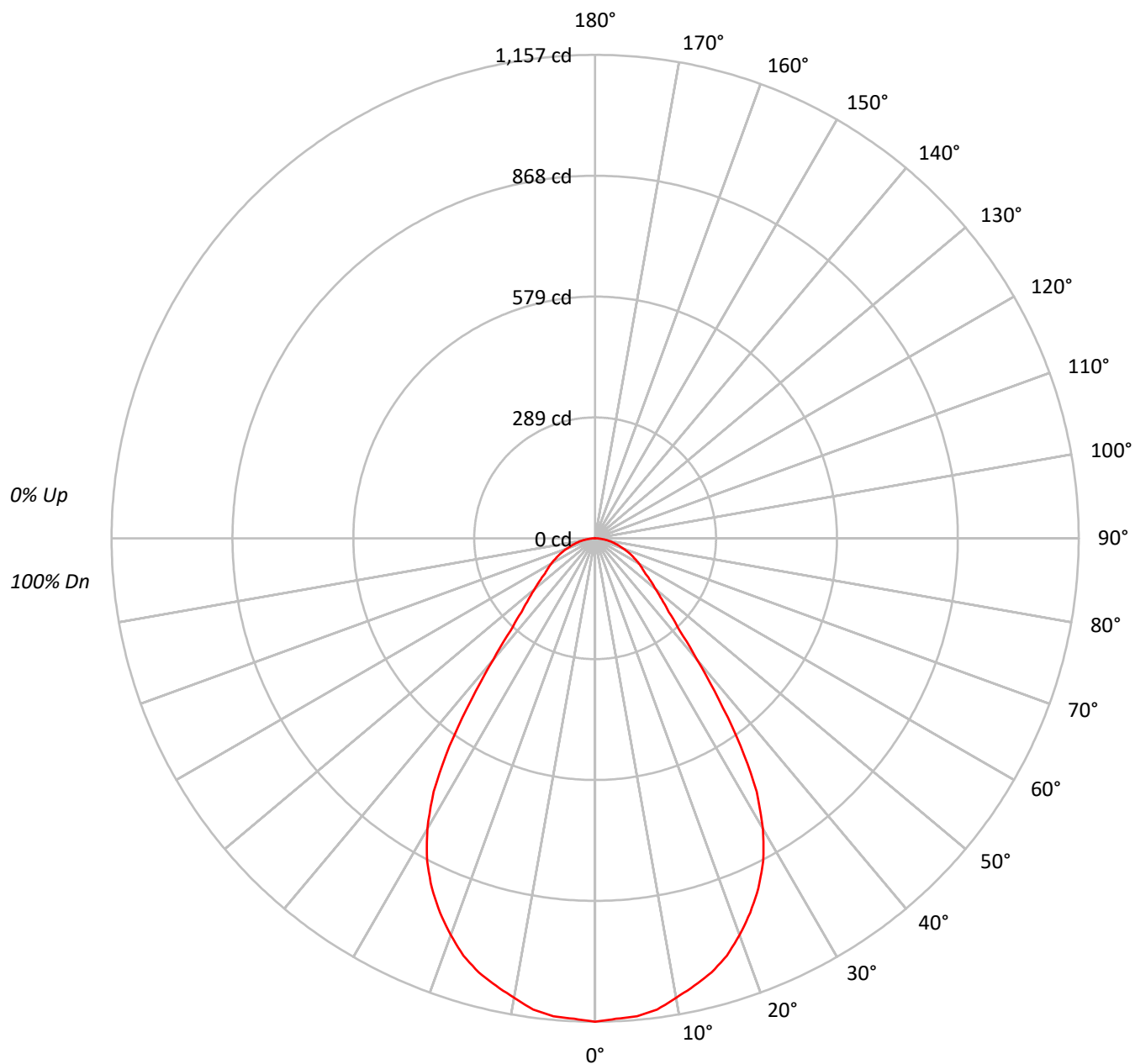
Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	97	88	82	76	94	87	81	76	84	79	75		81	77	73		79
4	90	80	73	68	88	79	73	67	77	71	67		75	70	66		73
5	84	74	66	61	82	73	66	61	71	65	60		69	64	59		67
6	79	68	61	55	77	67	60	55	65	59	55		64	58	54		62
7	74	63	55	50	73	62	55	50	61	54	50		59	54	50		58
8	70	58	51	46	69	58	51	46	57	50	46		55	50	46		54
9	66	54	47	43	65	54	47	42	53	47	42		52	46	42		51
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	63438
5°	63207
10°	62156
15°	61056
20°	58945
25°	55896
30°	50843
35°	40629
40°	27108
45°	19328
50°	16102
55°	14031
60°	13256
65°	12479
70°	11476
75°	10696
80°	9723
85°	8554



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	6.4
10°-20°	302.1	17.7
20°-30°	422.1	24.8
30°-40°	371.8	21.8
40°-50°	200.9	11.8
50°-60°	134.3	7.9
60°-70°	95.2	5.6
70°-80°	53.5	3.1
80°-90°	15.6	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°	832.8	48.9
0°-40°	1204.7	70.7
0°-60°	1539.9	90.4
0°-90°	1704.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1704.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1157	
5°	1149	109
15°	1076	302
25°	924	422
35°	607	372
45°	249	201
55°	147	134
65°	96	95
75°	50	54
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1157.2
2.5°	1151.1
5°	1148.6
7.5°	1137.5
10°	1116.6
12.5°	1096.9
15°	1075.8
17.5°	1047.5
20°	1010.4
22.5°	969.7
25°	924.1
27.5°	871.1
30°	803.2
32.5°	719.2
35°	607.1
37.5°	484.8
40°	378.8
42.5°	298.5
45°	249.3
47.5°	215.9
50°	188.8
52.5°	166.6
55°	146.8
57.5°	133.2
60°	120.9
62.5°	108.5
65°	96.2
67.5°	83.8
70°	71.6
72.5°	60.5
75°	50.5
77.5°	40.7
80°	30.8
82.5°	22.2
85°	13.6
87.5°	6.1
90°	0.0



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— 0°-180°







(END OF REPORT)