

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: P581858

Luminaire Tested: **HC620D010-HM60525830-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC620D010-HM60525830-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2040.0 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

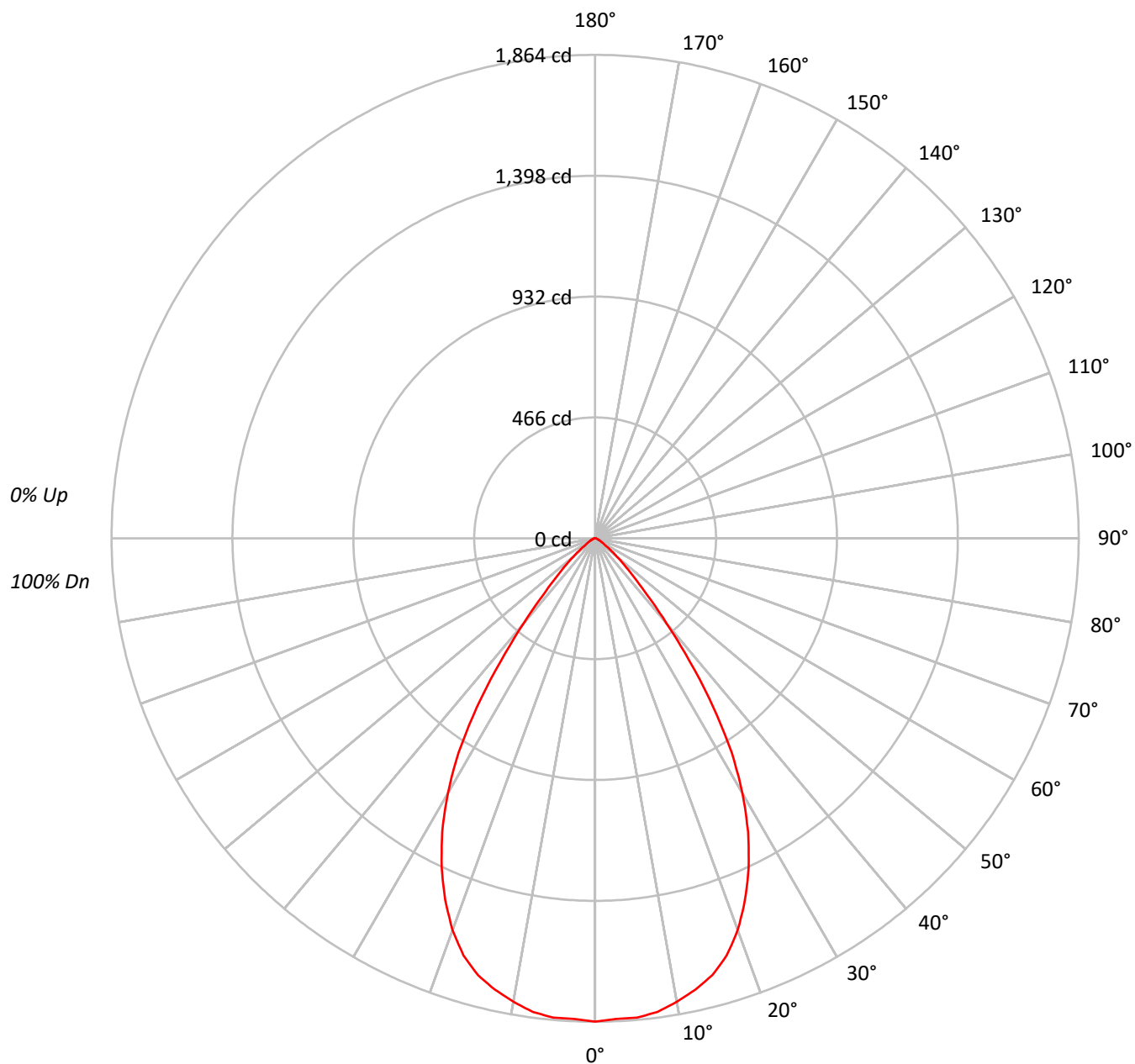
Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	96	88	82	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	71	89	80	75	70	79	74	70		77	73	69		75
6	85	76	70	65	84	75	69	65	74	68	64		72	67	64		71
7	81	71	65	60	79	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102168
5°	102074
10°	101017
15°	98985
20°	93767
25°	84676
30°	71929
35°	53110
40°	30715
45°	16304
50°	9211
55°	4817
60°	3158
65°	2244
70°	1619
75°	1228
80°	884
85°	943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.8	8.6
10°-20°	487.8	23.9
20°-30°	636.7	31.2
30°-40°	486.6	23.9
40°-50°	176.2	8.6
50°-60°	51.2	2.5
60°-70°	18.3	0.9
70°-80°	6.3	0.3
80°-90°	1.2	0.1
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°	1300.3	63.7
0°-40°	1786.9	87.6
0°-60°	2014.2	98.7
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1864	
5°	1855	176
15°	1744	488
25°	1400	637
35°	794	487
45°	210	176
55°	50	51
65°	17	18
75°	6	6
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1863.7
2.5°	1854.9
5°	1854.9
7.5°	1842.0
10°	1814.7
12.5°	1783.0
15°	1744.1
17.5°	1686.5
20°	1607.3
22.5°	1509.4
25°	1399.9
27.5°	1276.0
30°	1136.3
32.5°	979.4
35°	793.6
37.5°	599.1
40°	429.2
42.5°	296.7
45°	210.3
47.5°	151.3
50°	108.0
52.5°	76.4
55°	50.4
57.5°	36.0
60°	28.8
62.5°	23.0
65°	17.3
67.5°	14.4
70°	10.1
72.5°	7.3
75°	5.8
77.5°	4.3
80°	2.8
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)