

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: P581940

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC620D010-HM60525930-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1825.0 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

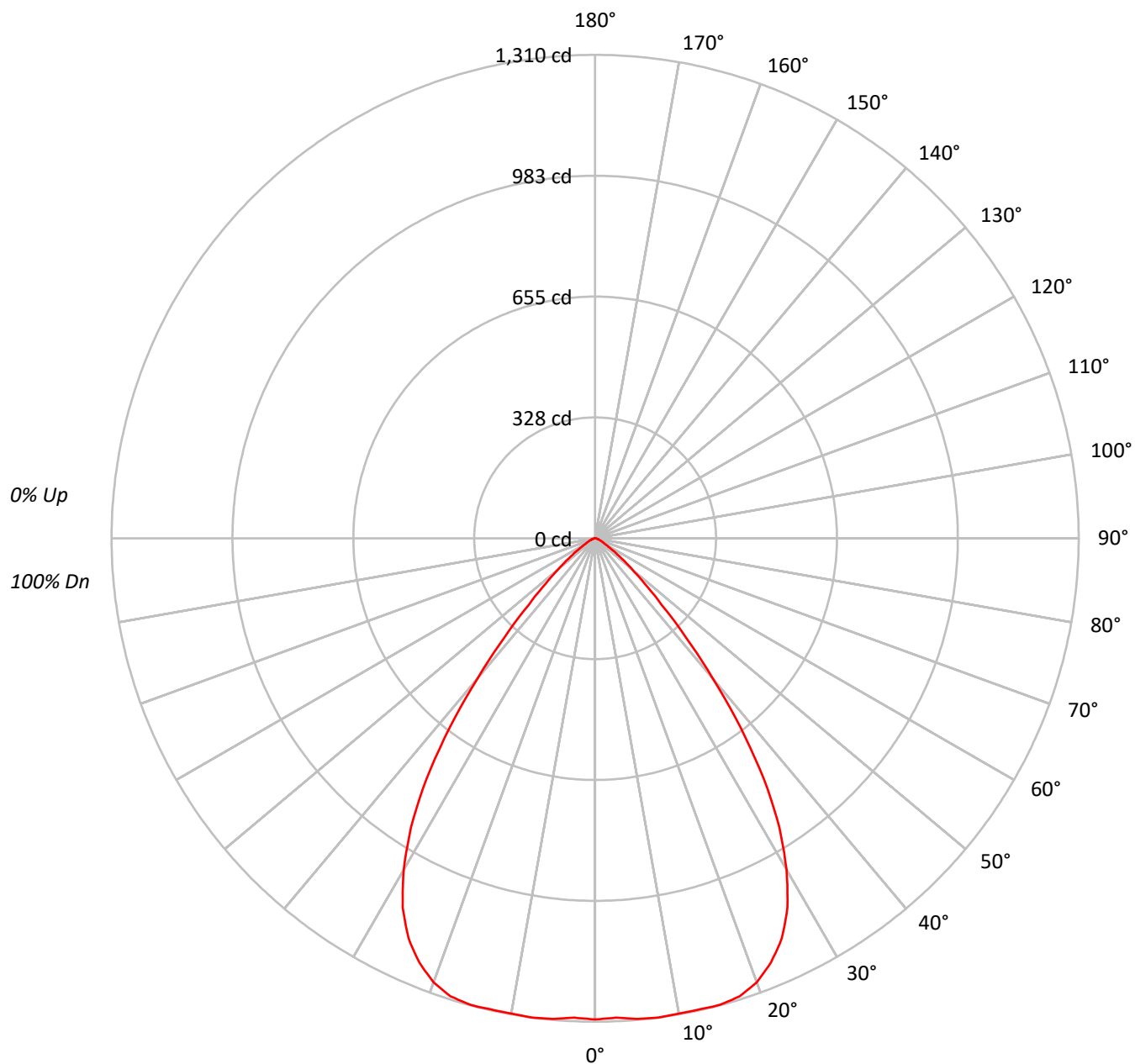
Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	105	110	108	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	92	90		93	90	88		90
3	100	93	87	83	98	91	86	82	89	84	81		86	83	80		84
4	94	86	79	75	92	85	79	74	82	77	73		80	76	73		78
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73
6	83	73	67	62	82	73	66	62	71	65	61		70	65	61		68
7	79	68	62	57	77	68	61	57	66	60	56		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	59	53	48	69	59	53	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71480
5°	71957
10°	72789
15°	74280
20°	74696
25°	72367
30°	65649
35°	53378
40°	35431
45°	19723
50°	11053
55°	6136
60°	3377
65°	2555
70°	1779
75°	1292
80°	789
85°	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	6.8
10°-20°	369.0	20.2
20°-30°	543.9	29.8
30°-40°	486.5	26.7
40°-50°	211.1	11.6
50°-60°	62.0	3.4
60°-70°	19.8	1.1
70°-80°	7.0	0.4
80°-90°	1.0	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°	1037.8	56.9
0°-40°	1524.2	83.5
0°-60°	1797.3	98.5
0°-90°	1825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1825.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1304	
5°	1308	125
15°	1309	369
25°	1196	544
35°	798	486
45°	254	211
55°	64	62
65°	20	20
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1303.9
2.5°	1300.2
5°	1307.6
7.5°	1310.1
10°	1307.6
12.5°	1307.6
15°	1308.8
17.5°	1301.5
20°	1280.4
22.5°	1244.6
25°	1196.4
27.5°	1128.6
30°	1037.1
32.5°	928.5
35°	797.6
37.5°	648.2
40°	495.1
42.5°	361.8
45°	254.4
47.5°	181.5
50°	129.6
52.5°	92.6
55°	64.2
57.5°	43.2
60°	30.8
62.5°	24.7
65°	19.7
67.5°	14.8
70°	11.1
72.5°	8.6
75°	6.1
77.5°	5.0
80°	2.5
82.5°	1.2
85°	1.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)