

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: P581924

Luminaire Tested: **HC620D010-HM60525927-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC620D010-HM60525927-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1778.1 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

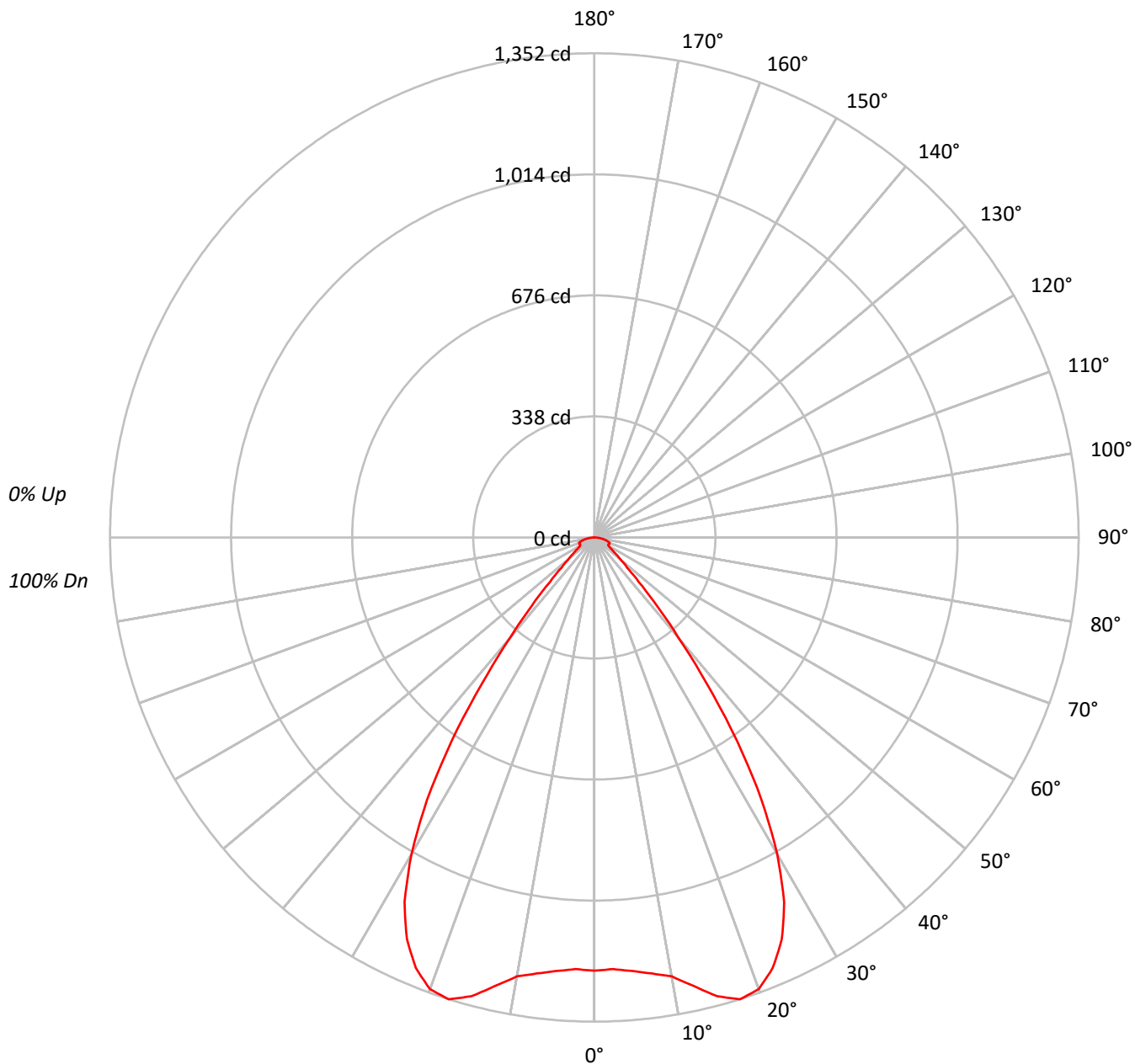
Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103		110	107	104	102		103	100	98			99	97	95			95
2	106	100	95	91		103	98	94	90		95	91	88			92	89	86			89
3	99	92	86	81		97	90	85	81		88	83	79			85	81	78			83
4	93	85	78	73		91	83	78	73		81	76	72			79	75	71			77
5	88	78	72	67		86	77	71	66		75	70	66			74	69	65			72
6	83	73	66	61		81	72	66	61		70	65	60			69	64	60			67
7	78	68	61	56		77	67	61	56		66	60	56			64	59	55			63
8	74	63	57	52		73	63	56	52		61	56	52			60	55	51			59
9	70	59	53	48		69	59	52	48		58	52	48			57	51	48			56
10	66	56	49	45		65	55	49	45		54	48	45			53	48	44			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66321
5°	66883
10°	69293
15°	75267
20°	78290
25°	74883
30°	64624
35°	46532
40°	26213
45°	13591
50°	8094
55°	5840
60°	4956
65°	5720
70°	7245
75°	7646
80°	7514
85°	7108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.9	6.6
10°-20°	374.0	21.0
20°-30°	559.1	31.4
30°-40°	427.4	24.0
40°-50°	149.3	8.4
50°-60°	56.9	3.2
60°-70°	44.6	2.5
70°-80°	37.7	2.1
80°-90°	12.2	0.7
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°	1050.1	59.1
0°-40°	1477.5	83.1
0°-60°	1683.6	94.7
0°-90°	1778.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1778.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1210	
5°	1215	117
15°	1326	374
25°	1238	559
35°	695	427
45°	175	149
55°	61	57
65°	44	45
75°	36	38
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1209.8
2.5°	1206.4
5°	1215.4
7.5°	1227.8
10°	1244.8
12.5°	1283.2
15°	1326.2
17.5°	1352.2
20°	1342.0
22.5°	1301.4
25°	1238.0
27.5°	1147.6
30°	1020.9
32.5°	869.5
35°	695.3
37.5°	515.5
40°	366.3
42.5°	256.6
45°	175.3
47.5°	123.3
50°	94.9
52.5°	74.7
55°	61.1
57.5°	49.7
60°	45.2
62.5°	44.1
65°	44.1
67.5°	46.3
70°	45.2
72.5°	41.8
75°	36.1
77.5°	30.5
80°	23.8
82.5°	17.0
85°	11.3
87.5°	4.5
90°	0.0



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— 0°-180°







(END OF REPORT)