

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: P581862

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC620D010-HM60525830-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1959.3 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

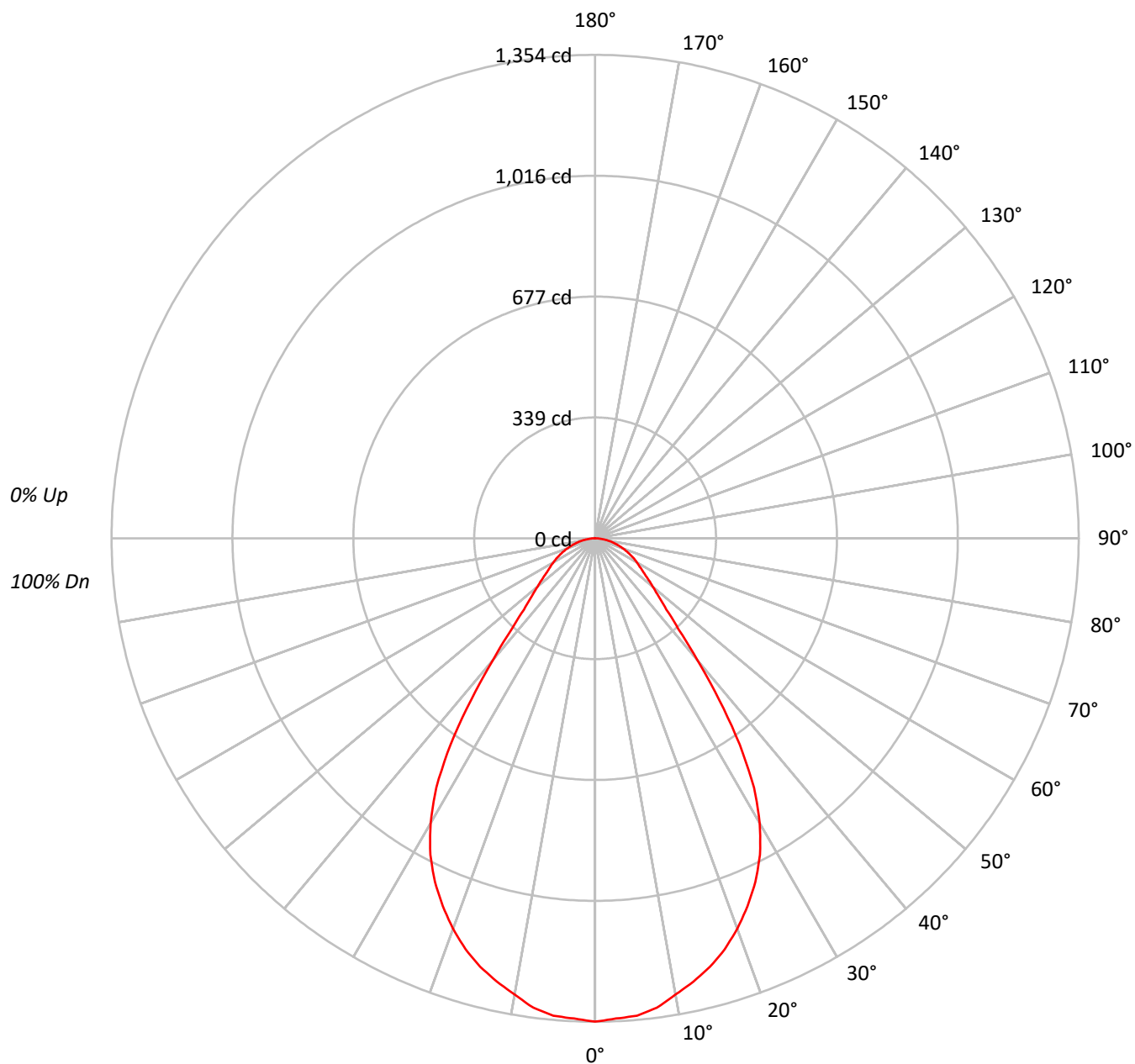
Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	101		109	105	102	100		101	99	96		97	95	94		94	92	91
2	104	97	92	87		101	95	90	86		92	88	84		89	85	83		86	83	81
3	97	88	82	77		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	81	73	68		88	79	73	68		77	71	67		75	70	66		73	69	65
5	84	74	67	61		83	73	66	61		71	65	60		69	64	60		67	63	59
6	79	68	61	55		77	67	60	55		66	59	55		64	59	54		63	58	54
7	74	63	56	50		73	62	55	50		61	55	50		60	54	50		58	53	49
8	70	59	51	46		69	58	51	46		57	50	46		56	50	46		54	49	46
9	66	55	48	43		65	54	47	43		53	47	42		52	46	42		51	46	42
10	62	51	44	40		61	51	44	40		50	44	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	74210
5°	73861
10°	72226
15°	70534
20°	67883
25°	64201
30°	58344
35°	47221
40°	31845
45°	21878
50°	17935
55°	15694
60°	14845
65°	14009
70°	13143
75°	12497
80°	11365
85°	10001



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	6.5
10°-20°	349.0	17.8
20°-30°	484.9	24.7
30°-40°	431.7	22.0
40°-50°	229.2	11.7
50°-60°	149.9	7.7
60°-70°	107.4	5.5
70°-80°	62.3	3.2
80°-90°	18.3	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°	960.6	49.0
0°-40°	1392.3	71.1
0°-60°	1771.4	90.4
0°-90°	1959.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1959.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1354	
5°	1342	127
15°	1243	349
25°	1061	485
35°	706	432
45°	282	229
55°	164	150
65°	108	107
75°	59	62
85°	16	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1353.7
2.5°	1346.5
5°	1342.2
7.5°	1326.3
10°	1297.5
12.5°	1271.6
15°	1242.8
17.5°	1206.8
20°	1163.6
22.5°	1114.6
25°	1061.4
27.5°	999.4
30°	921.7
32.5°	828.0
35°	705.6
37.5°	570.2
40°	445.0
42.5°	345.6
45°	282.2
47.5°	240.5
50°	210.3
52.5°	185.8
55°	164.2
57.5°	148.3
60°	135.4
62.5°	122.4
65°	108.0
67.5°	95.1
70°	82.0
72.5°	70.6
75°	59.0
77.5°	47.5
80°	36.0
82.5°	25.9
85°	15.9
87.5°	7.3
90°	0.0



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— 0°-180°







(END OF REPORT)