

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: P583230

Luminaire Tested: **HC660D010-HM64560930-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583230
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: HC660D010-HM64560930-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4767.6 lumens
Efficiency: N/A
Efficacy: 86.7 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

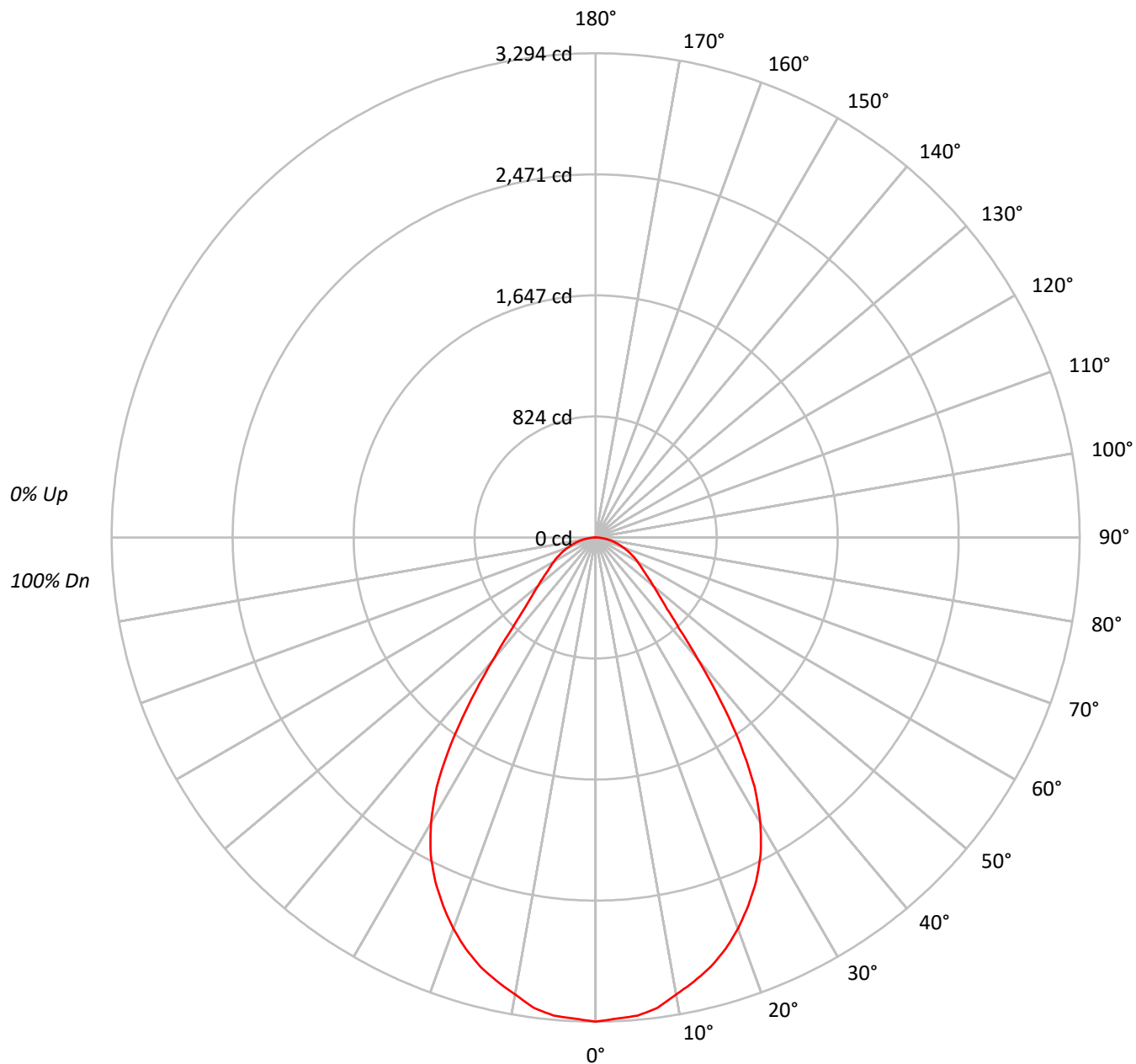
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583230

CATALOG NUMBER: HC660D010-HM64560930-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P583230

CATALOG NUMBER: HC660D010-HM64560930-61NDW

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°	180578
5°	179721
10°	175754
15°	171630
20°	165179
25°	156215
30°	141965
35°	114914
40°	77488
45°	53246
50°	43632
55°	38183
60°	36116
65°	34089
70°	32009
75°	30437
80°	27655
85°	24279



TEST NUMBER: P583230

CATALOG NUMBER: HC660D010-HM64560930-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.3	6.5
10°-20°	849.2	17.8
20°-30°	1179.9	24.7
30°-40°	1050.5	22.0
40°-50°	557.7	11.7
50°-60°	364.7	7.6
60°-70°	261.3	5.5
70°-80°	151.6	3.2
80°-90°	44.3	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°	2337.4	49.0
0°-40°	3388.0	71.1
0°-60°	4310.3	90.4
0°-90°	4767.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4767.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3294	
5°	3266	308
15°	3024	849
25°	2583	1180
35°	1717	1051
45°	687	558
55°	400	365
65°	263	261
75°	144	152
85°	39	44
90°	0	



TEST NUMBER: P583230

CATALOG NUMBER: HC660D010-HM64560930-61NDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3294.0
2.5°	3276.4
5°	3265.9
7.5°	3227.4
10°	3157.3
12.5°	3094.2
15°	3024.1
17.5°	2936.5
20°	2831.4
22.5°	2712.3
25°	2582.6
27.5°	2431.9
30°	2242.7
32.5°	2014.9
35°	1717.1
37.5°	1387.7
40°	1082.8
42.5°	841.1
45°	686.8
47.5°	585.2
50°	511.6
52.5°	452.0
55°	399.5
57.5°	361.0
60°	329.4
62.5°	297.9
65°	262.8
67.5°	231.2
70°	199.7
72.5°	171.7
75°	143.7
77.5°	115.7
80°	87.6
82.5°	63.1
85°	38.6
87.5°	17.5
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)