

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: P583242

Luminaire Tested: **HC6R60D010-HM64560930-62RMDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC6R60D010-HM64560930-62RMDC
Description: HALO COMMERCIAL 6" ROUND, RETROFIT FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5520.6 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 0.96
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

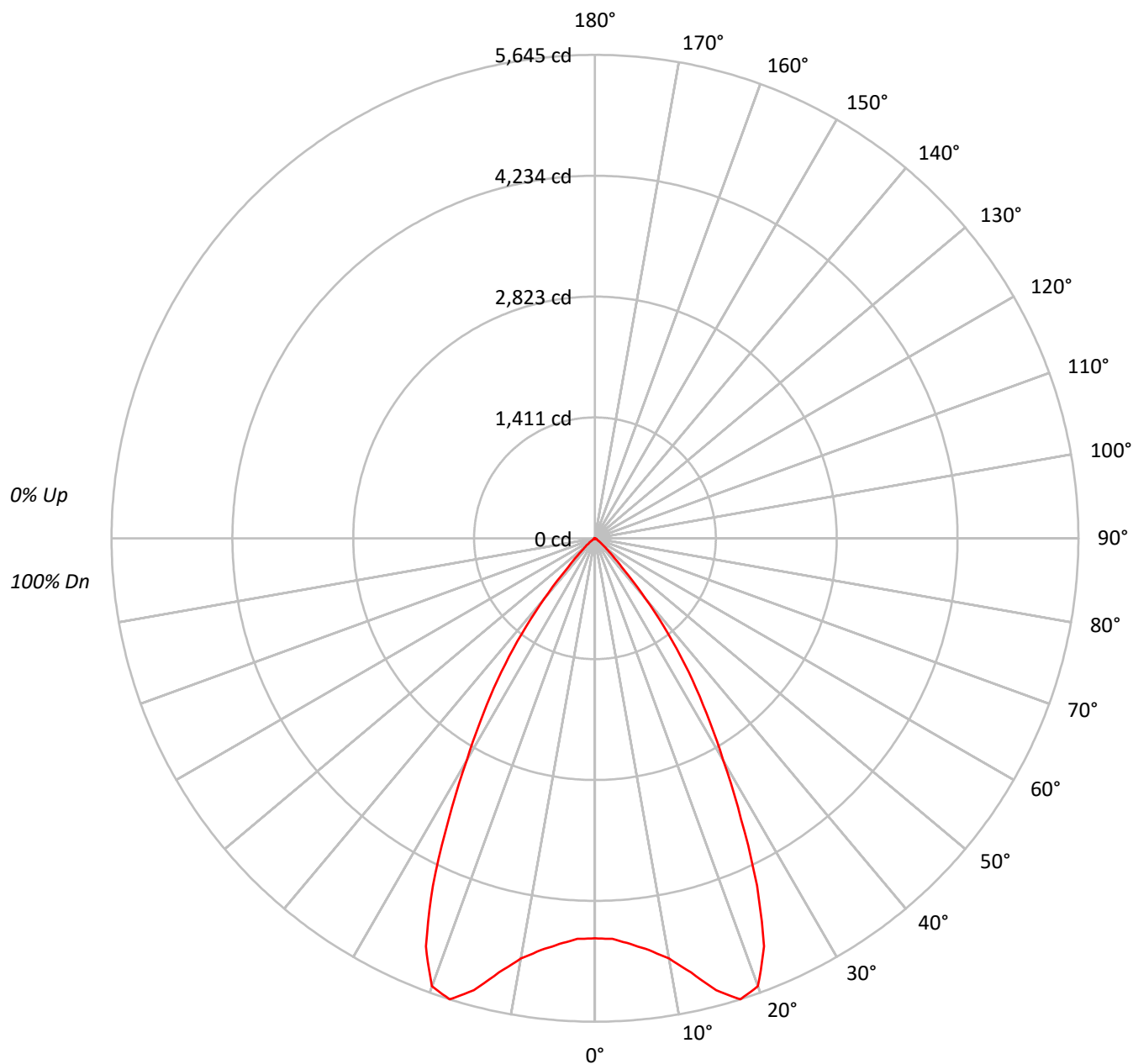
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583242

CATALOG NUMBER: HC6R60D010-HM64560930-62RMDC

Luminous Intensity Polar Plot





TEST NUMBER: P583242

CATALOG NUMBER: HC6R60D010-HM64560930-62RMDC

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	114	111	108	106		111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96		106	101	98	95		98	95	92		95	93	91		92	90	89
3	102	96	91	87		100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80		95	89	83	79		86	82	79		84	81	78		83	79	77
5	92	84	78	74		91	83	77	73		81	76	73		79	75	72		78	74	71
6	88	79	73	68		86	78	72	68		76	71	68		75	71	67		74	70	67
7	83	74	68	64		82	73	67	63		72	67	63		71	66	63		70	65	62
8	79	69	63	59		78	69	63	59		68	63	59		67	62	59		66	62	58
9	75	65	59	55		74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52		71	61	56	52		60	55	52		60	55	52		59	55	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	256070
5°	261677
10°	277383
15°	310047
20°	324630
25°	270675
30°	189434
35°	127575
40°	65702
45°	22816
50°	10157
55°	3345
60°	1535
65°	1362
70°	1122
75°	741
80°	1105
85°	0



TEST NUMBER: P583242

CATALOG NUMBER: HC6R60D010-HM64560930-62RMDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.9	8.3
10°-20°	1539.2	27.9
20°-30°	2000.4	36.2
30°-40°	1181.7	21.4
40°-50°	281.9	5.1
50°-60°	41.5	0.8
60°-70°	10.4	0.2
70°-80°	4.2	0.1
80°-90°	0.5	0.0
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°	4000.6	72.5
0°-40°	5182.3	93.9
0°-60°	5505.6	99.7
0°-90°	5520.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5520.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4671	
5°	4755	461
15°	5463	1539
25°	4475	2000
35°	1906	1182
45°	294	282
55°	35	42
65°	10	10
75°	4	4
85°	0	0
90°	0	



TEST NUMBER: P583242

CATALOG NUMBER: HC6R60D010-HM64560930-62RMDC

CANDELA DISTRIBUTION (FULL):

0°	
0°	4671.1
2.5°	4681.6
5°	4755.2
7.5°	4849.8
10°	4983.0
12.5°	5193.2
15°	5463.0
17.5°	5645.3
20°	5564.6
22.5°	5158.2
25°	4474.9
27.5°	3693.4
30°	2992.6
32.5°	2421.4
35°	1906.3
37.5°	1401.7
40°	918.1
42.5°	501.0
45°	294.3
47.5°	182.2
50°	119.1
52.5°	70.1
55°	35.0
57.5°	17.5
60°	14.0
62.5°	14.0
65°	10.5
67.5°	7.0
70°	7.0
72.5°	3.5
75°	3.5
77.5°	3.5
80°	3.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)