

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: P583026

Luminaire Tested: **HC6R55D010-HM64560830-62RMDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583026
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: HC6R55D010-HM64560830-62RMDC
Description: HALO COMMERCIAL 6" ROUND, RETROFIT FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5756.4 lumens
Efficiency: N/A
Efficacy: 110.7 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

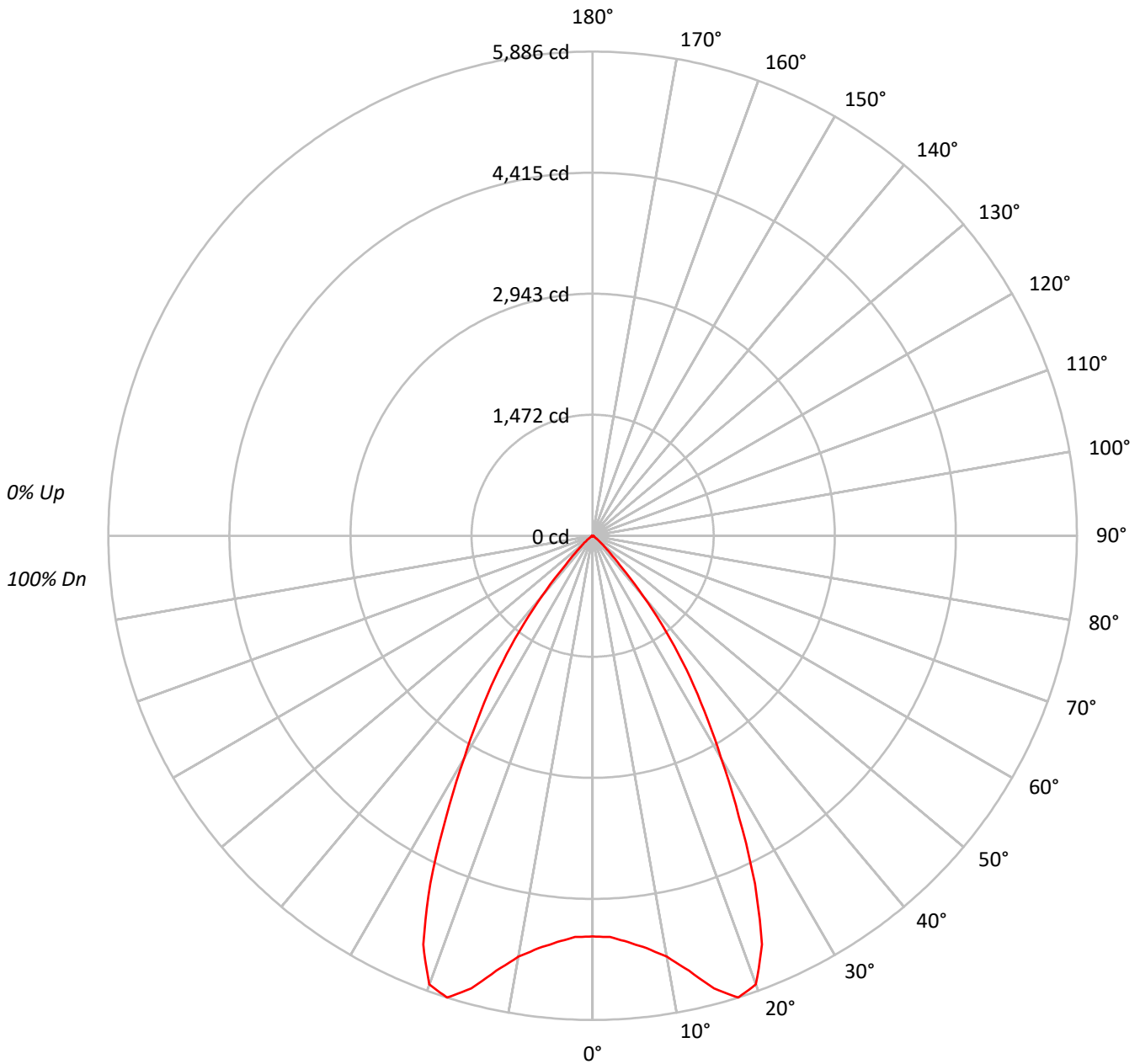
Input Watts (W): 52
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583026

CATALOG NUMBER: HC6R55D010-HM64560830-62RMDC

Luminous Intensity Polar Plot





TEST NUMBER: P583026

CATALOG NUMBER: HC6R55D010-HM64560830-62RMDC

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	91	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53			
10	72	62	56	52	71	61	56	52	60	55	52	60	55	52	59	55	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	266996
5°	272848
10°	289218
15°	323288
20°	338485
25°	282228
30°	197518
35°	133023
40°	68507
45°	23793
50°	10592
55°	3498
60°	1612
65°	1427
70°	1170
75°	784
80°	1168
85°	0



TEST NUMBER: P583026

CATALOG NUMBER: HC6R55D010-HM64560830-62RMDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.6	8.3
10°-20°	1604.9	27.9
20°-30°	2085.8	36.2
30°-40°	1232.1	21.4
40°-50°	293.9	5.1
50°-60°	43.3	0.8
60°-70°	10.9	0.2
70°-80°	4.4	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°	4171.4	72.5
0°-40°	5403.5	93.9
0°-60°	5740.7	99.7
0°-90°	5756.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5756.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4870	
5°	4958	481
15°	5696	1605
25°	4666	2086
35°	1988	1232
45°	307	294
55°	37	43
65°	11	11
75°	4	4
85°	0	1
90°	0	



TEST NUMBER: P583026

CATALOG NUMBER: HC6R55D010-HM64560830-62RMDC

CANDELA DISTRIBUTION (FULL):

0°	
0°	4870.4
2.5°	4881.4
5°	4958.2
7.5°	5056.9
10°	5195.6
12.5°	5414.8
15°	5696.3
17.5°	5886.3
20°	5802.1
22.5°	5378.3
25°	4665.9
27.5°	3851.0
30°	3120.3
32.5°	2524.8
35°	1987.7
37.5°	1461.5
40°	957.3
42.5°	522.5
45°	306.9
47.5°	190.0
50°	124.2
52.5°	73.1
55°	36.6
57.5°	18.2
60°	14.7
62.5°	14.7
65°	11.0
67.5°	7.3
70°	7.3
72.5°	3.7
75°	3.7
77.5°	3.7
80°	3.7
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)