

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: P583166

Luminaire Tested: **HC660D010-HM64560830-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583166
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: HC660D010-HM64560830-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5990.1 lumens
Efficiency: N/A
Efficacy: 108.9 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

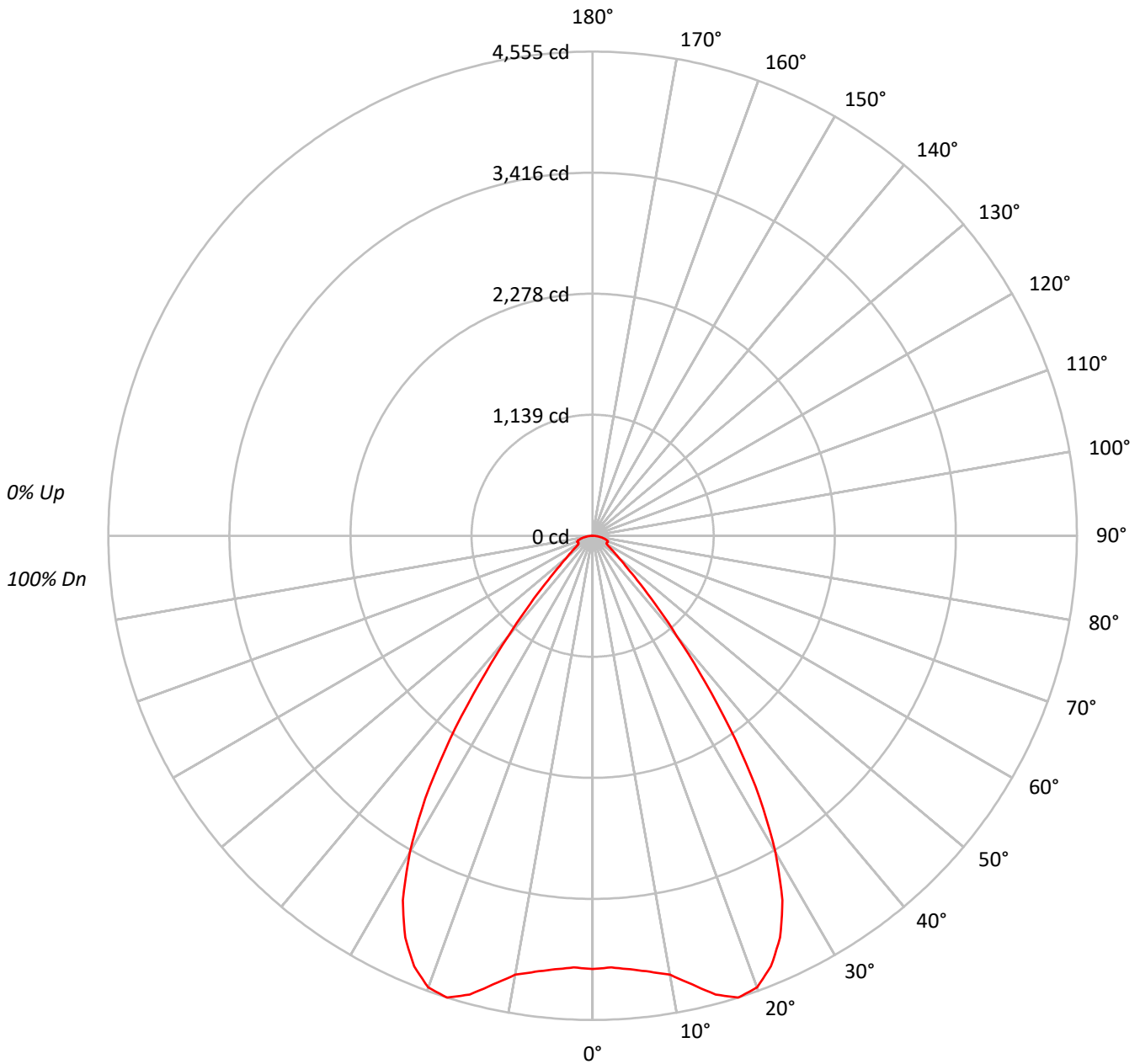
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583166

CATALOG NUMBER: HC660D010-HM64560830-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P583166

CATALOG NUMBER: HC660D010-HM64560830-61WDWB

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69		
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63		
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54		
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	223414
5°	225313
10°	233435
15°	253560
20°	263754
25°	252269
30°	217711
35°	156761
40°	88315
45°	45764
50°	27283
55°	19660
60°	16709
65°	19263
70°	24427
75°	25820
80°	25256
85°	23902



TEST NUMBER: P583166

CATALOG NUMBER: HC660D010-HM64560830-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.0	6.6
10°-20°	1260.1	21.0
20°-30°	1883.4	31.4
30°-40°	1439.7	24.0
40°-50°	502.9	8.4
50°-60°	191.6	3.2
60°-70°	150.3	2.5
70°-80°	127.2	2.1
80°-90°	40.9	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°	3537.5	59.1
0°-40°	4977.3	83.1
0°-60°	5671.8	94.7
0°-90°	5990.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5990.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4075	
5°	4094	394
15°	4468	1260
25°	4171	1883
35°	2342	1440
45°	590	503
55°	206	192
65°	148	150
75°	122	127
85°	38	41
90°	0	



TEST NUMBER: P583166

CATALOG NUMBER: HC660D010-HM64560830-61WDWB

CANDELA DISTRIBUTION (FULL):

0°	
0°	4075.4
2.5°	4063.9
5°	4094.4
7.5°	4136.3
10°	4193.5
12.5°	4323.0
15°	4467.7
17.5°	4555.3
20°	4521.1
22.5°	4383.9
25°	4170.6
27.5°	3865.9
30°	3439.3
32.5°	2929.0
35°	2342.4
37.5°	1736.8
40°	1234.1
42.5°	864.6
45°	590.3
47.5°	415.2
50°	319.9
52.5°	251.4
55°	205.7
57.5°	167.6
60°	152.4
62.5°	148.5
65°	148.5
67.5°	156.1
70°	152.4
72.5°	141.0
75°	121.9
77.5°	102.8
80°	80.0
82.5°	57.1
85°	38.0
87.5°	15.2
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)