

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: P582346

Luminaire Tested: **HC635D010-HM63040927-61NDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC635D010-HM63040927-61NDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3128.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

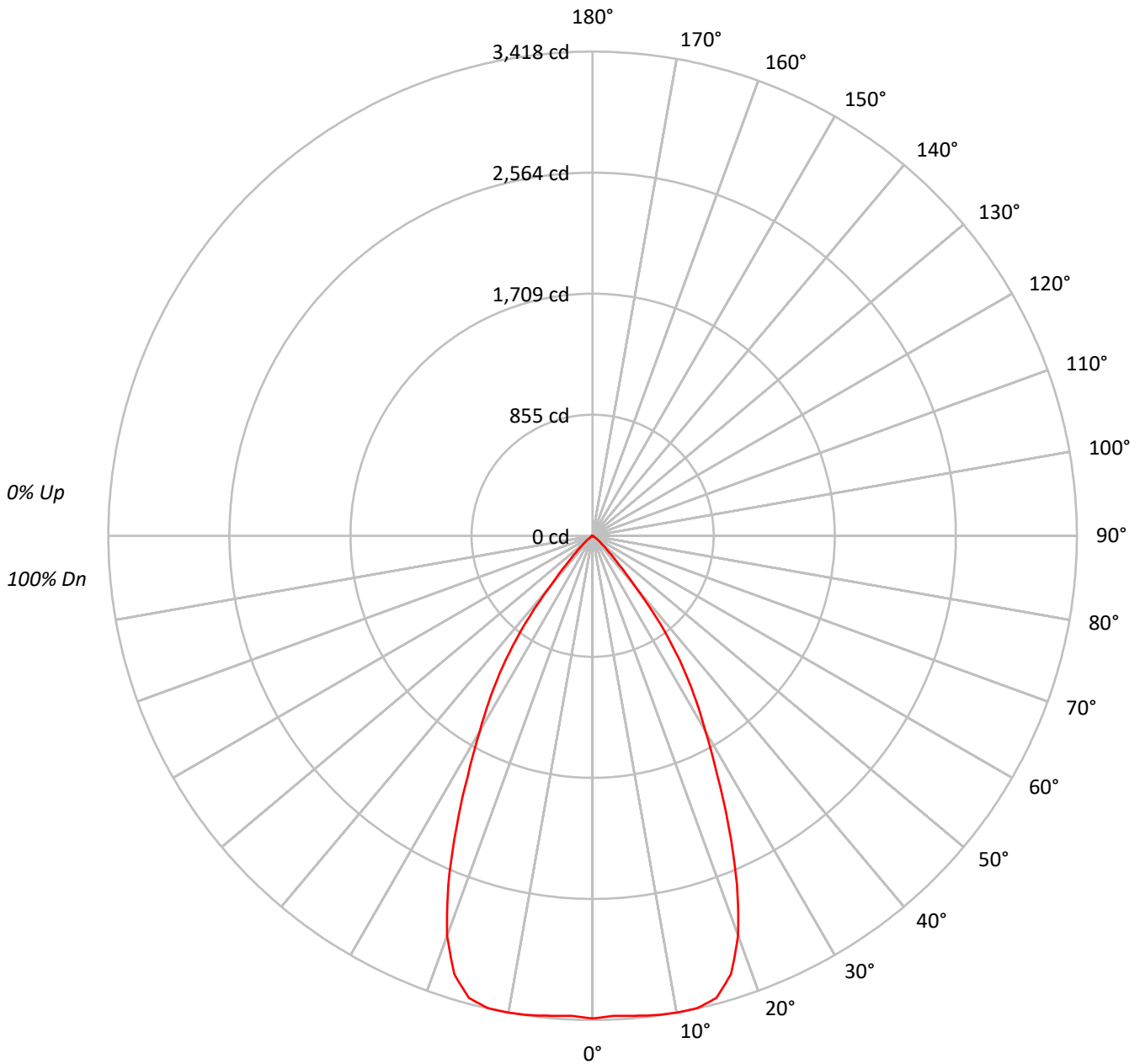
Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582346

CATALOG NUMBER: HC635D010-HM63040927-61NDC

Luminous Intensity Polar Plot





TEST NUMBER: P582346

CATALOG NUMBER: HC635D010-HM63040927-61NDC

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	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	103	99	96	106	102	98	95	98	96	93	96	93	91	93	91	89	87			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82			
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76			
5	93	85	79	75	91	84	78	75	82	77	74	80	76	73	79	75	73	71			
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67			
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55			
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	186800
5°	187172
10°	190255
15°	191641
20°	175179
25°	137657
30°	100762
35°	71474
40°	33806
45°	12901
50°	5782
55°	1577
60°	680
65°	532
70°	337
75°	445
80°	0
85°	0



TEST NUMBER: P582346

CATALOG NUMBER: HC635D010-HM63040927-61NDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.4	10.4
10°-20°	933.3	29.8
20°-30°	1038.1	33.2
30°-40°	648.5	20.7
40°-50°	154.1	4.9
50°-60°	22.1	0.7
60°-70°	4.6	0.1
70°-80°	1.9	0.1
80°-90°	0.0	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°	2296.8	73.4
0°-40°	2945.3	94.2
0°-60°	3121.4	99.8
0°-90°	3128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3128.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3408	
5°	3401	325
15°	3377	933
25°	2276	1038
35°	1068	649
45°	166	154
55°	16	22
65°	4	5
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P582346

CATALOG NUMBER: HC635D010-HM63040927-61NDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	3407.5
2.5°	3393.1
5°	3401.3
7.5°	3413.6
10°	3417.8
12.5°	3415.7
15°	3376.7
17.5°	3245.2
20°	3002.8
22.5°	2661.9
25°	2275.8
27.5°	1906.1
30°	1591.8
32.5°	1331.0
35°	1068.0
37.5°	784.6
40°	472.4
42.5°	273.2
45°	166.4
47.5°	106.8
50°	67.8
52.5°	39.0
55°	16.5
57.5°	8.2
60°	6.2
62.5°	6.2
65°	4.1
67.5°	4.1
70°	2.1
72.5°	2.1
75°	2.1
77.5°	2.1
80°	0.0
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)