

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: P593202

Luminaire Tested: **HC630D010-HM63040850-61MDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040850-61MDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3776.5 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.96
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

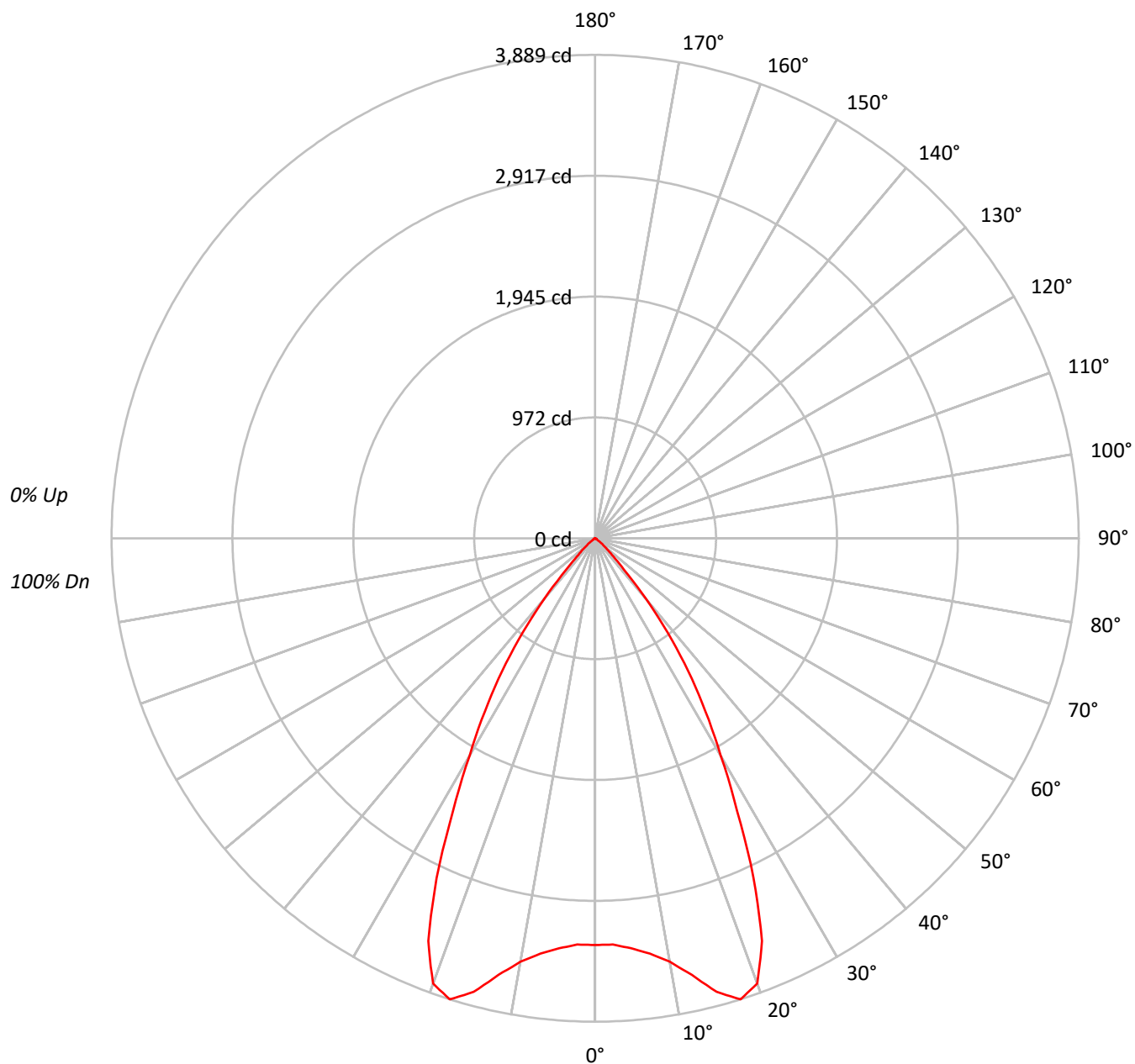
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P593202

CATALOG NUMBER: HC630D010-HM63040850-61MDC

Luminous Intensity Polar Plot





TEST NUMBER: P593202

CATALOG NUMBER: HC630D010-HM63040850-61MDC

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	93		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	78	73		81	76	73		80	75	72		78	74	72
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	68	63		72	67	63		71	66	63		70	66	62
8	79	70	63	59		78	69	63	59		68	63	59		67	62	59		66	62	58
9	75	66	60	56		74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52		71	61	56	52		61	55	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	179339
5°	182131
10°	192504
15°	214337
20°	222281
25°	182375
30°	127792
35°	87187
40°	45421
45°	15963
50°	7147
55°	2284
60°	1316
65°	921
70°	769
75°	508
80°	0
85°	0



TEST NUMBER: P593202

CATALOG NUMBER: HC630D010-HM63040850-61MDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.6	8.5
10°-20°	1062.1	28.1
20°-30°	1352.4	35.8
30°-40°	806.0	21.3
40°-50°	195.4	5.2
50°-60°	30.0	0.8
60°-70°	7.4	0.2
70°-80°	2.5	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°	2735.1	72.4
0°-40°	3541.1	93.8
0°-60°	3766.6	99.7
0°-90°	3776.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3776.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3271	
5°	3310	321
15°	3777	1062
25°	3015	1352
35°	1303	806
45°	206	195
55°	24	30
65°	7	7
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P593202

CATALOG NUMBER: HC630D010-HM63040850-61MDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	3271.4
2.5°	3271.4
5°	3309.7
7.5°	3369.5
10°	3458.2
12.5°	3597.1
15°	3776.6
17.5°	3889.2
20°	3810.2
22.5°	3506.0
25°	3015.1
27.5°	2473.8
30°	2018.8
32.5°	1650.1
35°	1302.8
37.5°	960.4
40°	634.7
42.5°	342.4
45°	205.9
47.5°	129.4
50°	83.8
52.5°	50.3
55°	23.9
57.5°	14.4
60°	12.0
62.5°	9.6
65°	7.1
67.5°	4.8
70°	4.8
72.5°	2.4
75°	2.4
77.5°	2.4
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)