

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: P582265

Luminaire Tested: **HC630D010-HM63040940-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040940-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3048.9 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

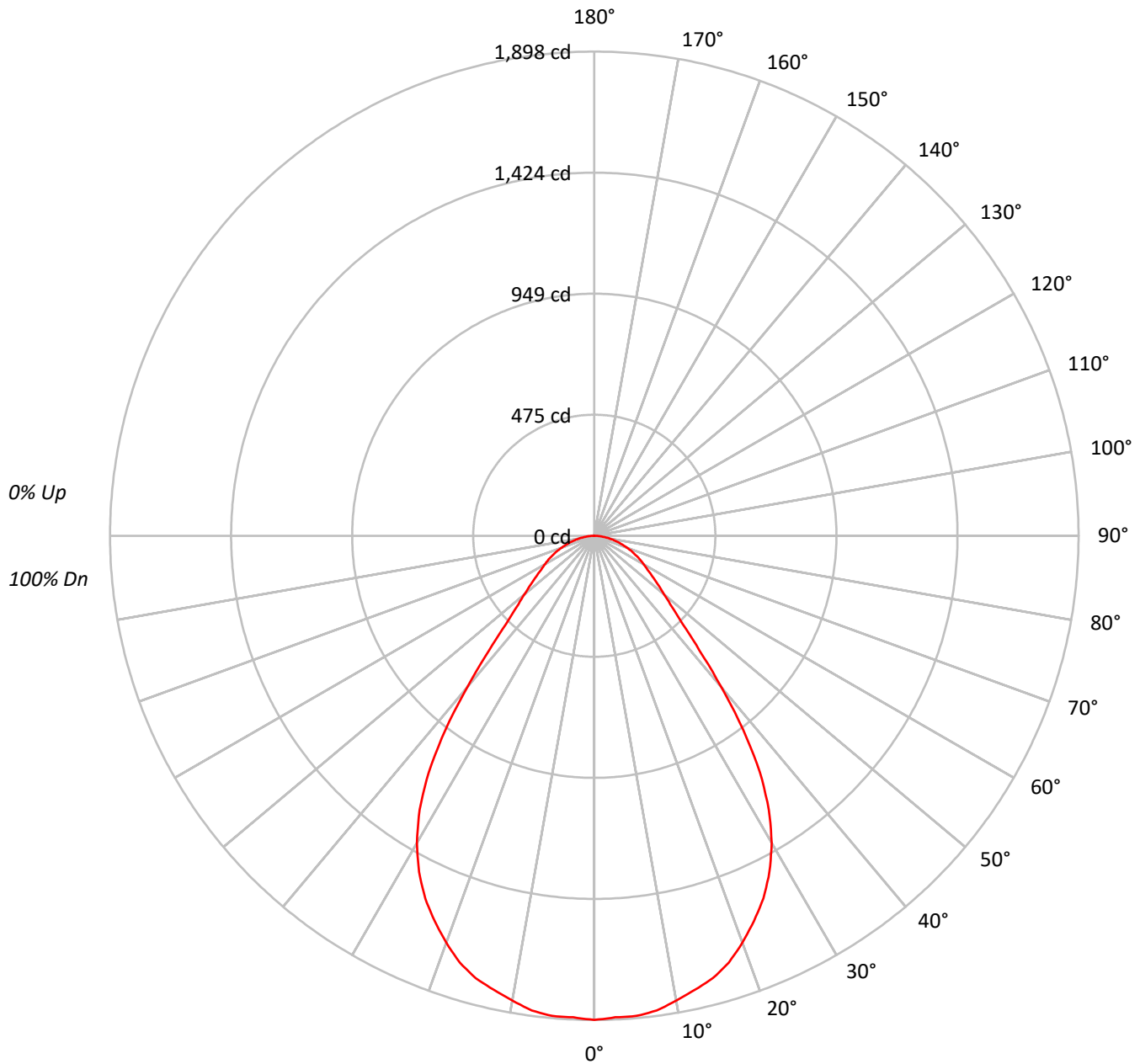
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	97	91	87	101	95	90	86	91	87	84		88	85	82		85
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	80	72	67	87	78	72	66	76	70	66		74	69	65		72
5	84	73	65	60	82	72	65	59	70	64	59		68	63	58		66
6	78	67	59	54	76	66	59	54	64	58	53		63	57	53		61
7	73	62	54	49	72	61	54	49	60	53	48		58	52	48		57
8	69	57	50	45	68	57	50	45	55	49	44		54	48	44		53
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104043
5°	103984
10°	102971
15°	101908
20°	99024
25°	94850
30°	88020
35°	75737
40°	55282
45°	37880
50°	30455
55°	26532
60°	24494
65°	23284
70°	21750
75°	20355
80°	18468
85°	15788



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.1	5.9
10°-20°	504.3	16.5
20°-30°	717.2	23.5
30°-40°	690.5	22.6
40°-50°	397.3	13.0
50°-60°	251.7	8.3
60°-70°	178.2	5.8
70°-80°	101.6	3.3
80°-90°	29.0	1.0
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°	1400.6	45.9
0°-40°	2091.1	68.6
0°-60°	2740.1	89.9
0°-90°	3048.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3048.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1898	
5°	1890	179
15°	1796	504
25°	1568	717
35°	1132	690
45°	489	397
55°	278	252
65°	180	178
75°	96	102
85°	25	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1897.9
2.5°	1889.6
5°	1889.6
7.5°	1877.0
10°	1849.8
12.5°	1822.7
15°	1795.6
17.5°	1753.8
20°	1697.4
22.5°	1634.8
25°	1568.1
27.5°	1486.6
30°	1390.5
32.5°	1273.7
35°	1131.7
37.5°	958.3
40°	772.5
42.5°	609.7
45°	488.6
47.5°	411.3
50°	357.1
52.5°	313.2
55°	277.6
57.5°	246.4
60°	223.4
62.5°	202.5
65°	179.5
67.5°	158.7
70°	135.7
72.5°	114.9
75°	96.1
77.5°	77.3
80°	58.5
82.5°	41.7
85°	25.1
87.5°	10.5
90°	0.0



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— 0°-180°







(END OF REPORT)