

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: P582230

Luminaire Tested: **HC630D010-HM63040930-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582230
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: HC630D010-HM63040930-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3247.8 lumens
Efficiency: N/A
Efficacy: 116.0 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

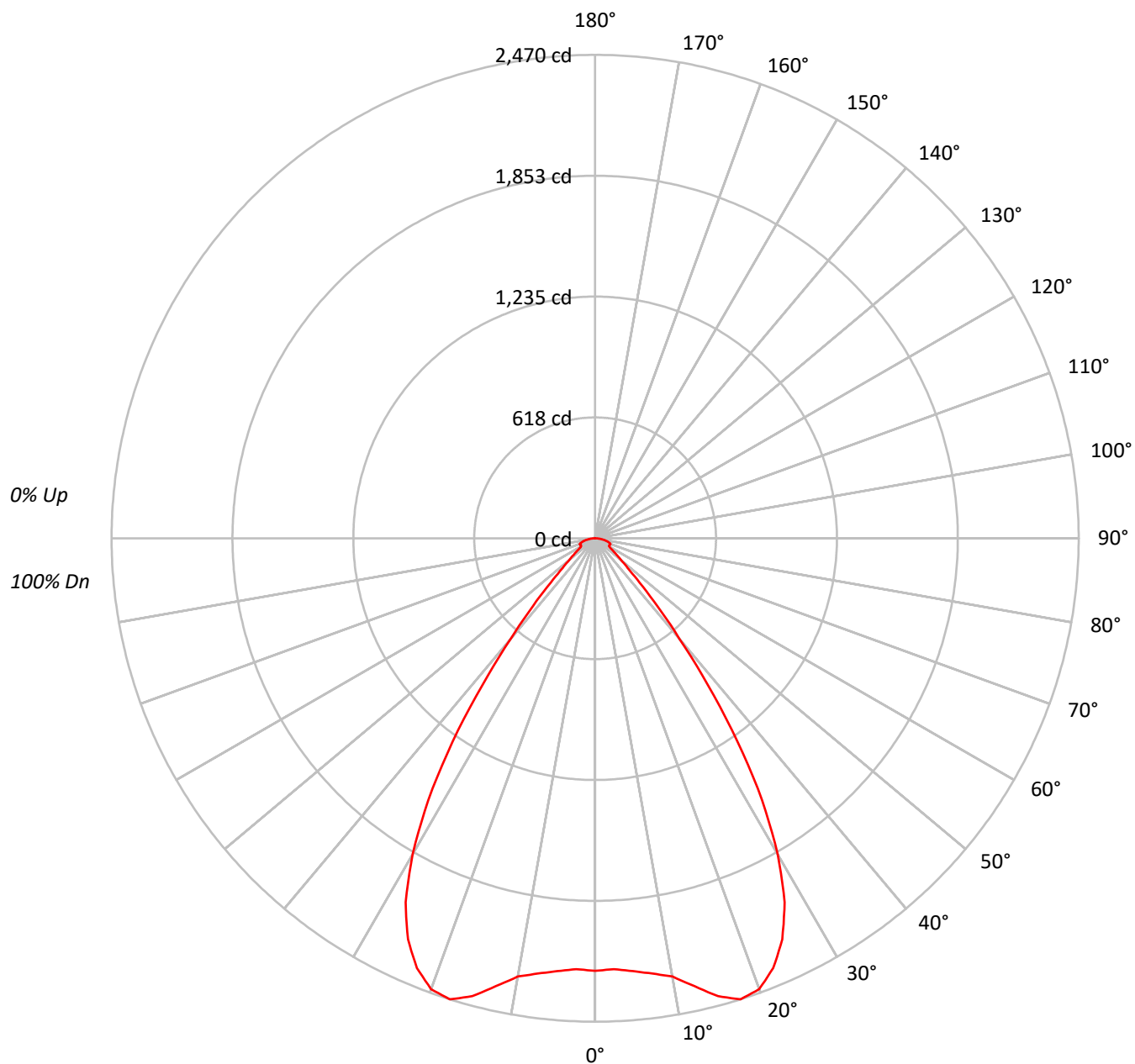
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121131
5°	122166
10°	126562
15°	137475
20°	142999
25°	136774
30°	118037
35°	84992
40°	47883
45°	24817
50°	14797
55°	10657
60°	9056
65°	10442
70°	13239
75°	14001
80°	13701
85°	13020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.6	6.6
10°-20°	683.2	21.0
20°-30°	1021.2	31.4
30°-40°	780.6	24.0
40°-50°	272.7	8.4
50°-60°	103.9	3.2
60°-70°	81.5	2.5
70°-80°	69.0	2.1
80°-90°	22.2	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°	1918.0	59.1
0°-40°	2698.6	83.1
0°-60°	3075.1	94.7
0°-90°	3247.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3247.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2210	
5°	2220	214
15°	2422	683
25°	2261	1021
35°	1270	781
45°	320	273
55°	112	104
65°	80	81
75°	66	69
85°	21	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2209.6
2.5°	2203.5
5°	2220.0
7.5°	2242.7
10°	2273.6
12.5°	2343.9
15°	2422.3
17.5°	2469.8
20°	2451.2
22.5°	2376.9
25°	2261.2
27.5°	2096.0
30°	1864.7
32.5°	1588.0
35°	1270.0
37.5°	941.7
40°	669.1
42.5°	468.8
45°	320.1
47.5°	225.1
50°	173.5
52.5°	136.3
55°	111.5
57.5°	90.8
60°	82.6
62.5°	80.5
65°	80.5
67.5°	84.7
70°	82.6
72.5°	76.5
75°	66.1
77.5°	55.8
80°	43.4
82.5°	31.0
85°	20.7
87.5°	8.2
90°	0.0



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— 0°-180°







(END OF REPORT)