

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: P582218

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040930-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2925.6 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

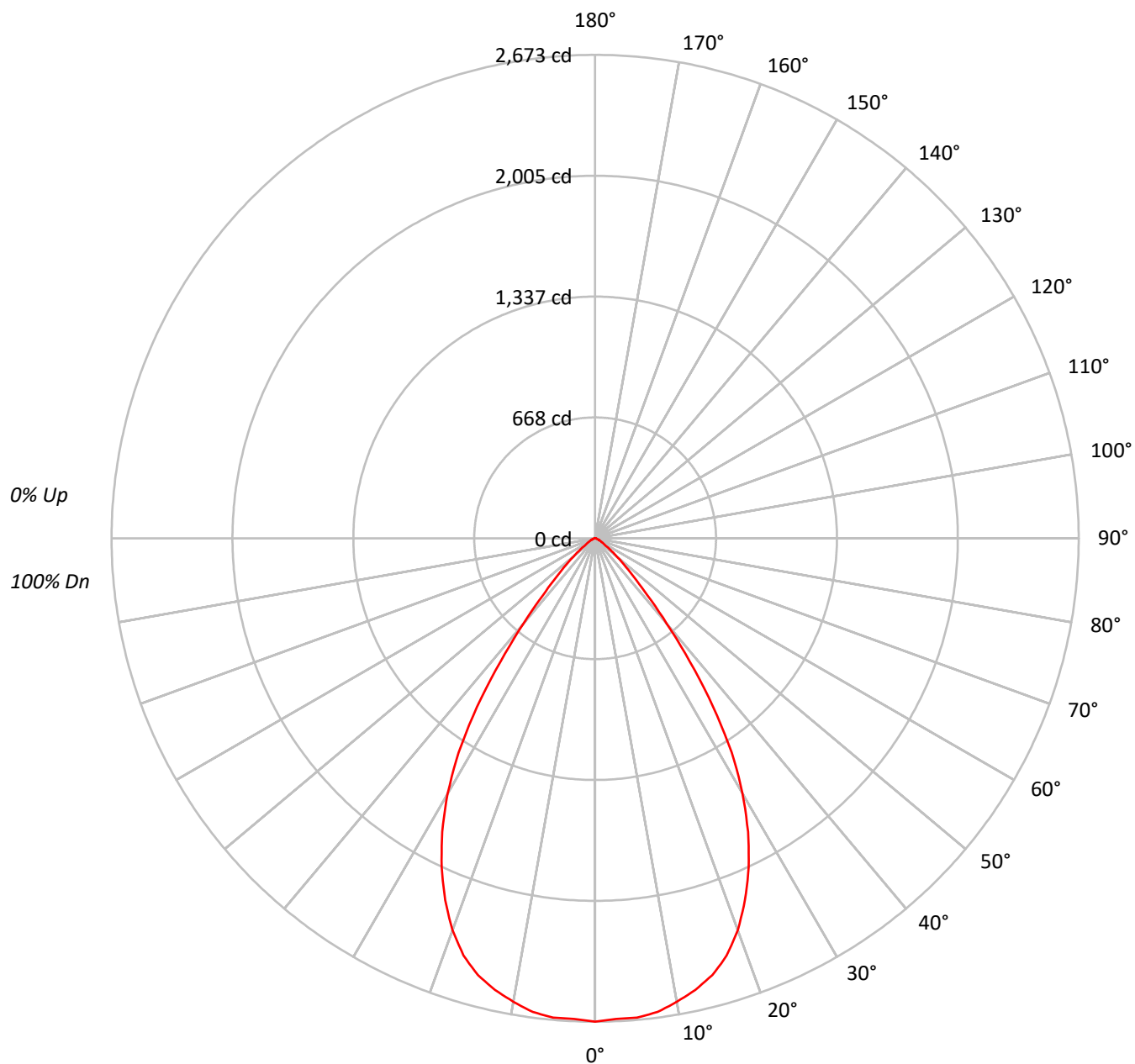
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	94
2	107	102	98	94		105	100	96	93		97	94	91		94	91	89		91	89	87
3	101	94	89	85		99	93	88	84		90	86	83		88	84	81		86	83	80
4	96	88	82	77		94	86	81	77		84	79	76		82	78	75		80	77	74
5	90	81	75	71		89	80	75	70		79	74	70		77	73	69		75	72	68
6	85	76	70	65		84	75	69	65		74	68	64		72	67	64		71	67	63
7	81	71	65	60		79	70	64	60		69	64	60		68	63	59		67	62	59
8	77	67	60	56		75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	62	56	52		72	62	56	52		61	56	52		60	55	52		59	55	51
10	69	59	53	49		68	58	52	48		57	52	48		57	52	48		56	51	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	146529
5°	146406
10°	144876
15°	141964
20°	134482
25°	121440
30°	103168
35°	76165
40°	44047
45°	23375
50°	13211
55°	6910
60°	4528
65°	3204
70°	2324
75°	1737
80°	1326
85°	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.1	8.6
10°-20°	699.6	23.9
20°-30°	913.1	31.2
30°-40°	697.8	23.9
40°-50°	252.6	8.6
50°-60°	73.4	2.5
60°-70°	26.2	0.9
70°-80°	9.0	0.3
80°-90°	1.7	0.1
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°	1864.9	63.7
0°-40°	2562.7	87.6
0°-60°	2888.7	98.7
0°-90°	2925.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2925.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2673	
5°	2660	252
15°	2501	700
25°	2008	913
35°	1138	698
45°	302	253
55°	72	73
65°	25	26
75°	8	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2672.9
2.5°	2660.5
5°	2660.5
7.5°	2641.8
10°	2602.6
12.5°	2557.2
15°	2501.4
17.5°	2418.8
20°	2305.2
22.5°	2164.7
25°	2007.7
27.5°	1830.1
30°	1629.8
32.5°	1404.6
35°	1138.1
37.5°	859.3
40°	615.5
42.5°	425.5
45°	301.5
47.5°	216.9
50°	154.9
52.5°	109.5
55°	72.3
57.5°	51.6
60°	41.3
62.5°	33.1
65°	24.7
67.5°	20.7
70°	14.5
72.5°	10.3
75°	8.2
77.5°	6.2
80°	4.2
82.5°	2.0
85°	2.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)