

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: P582228

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040930-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3053.6 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

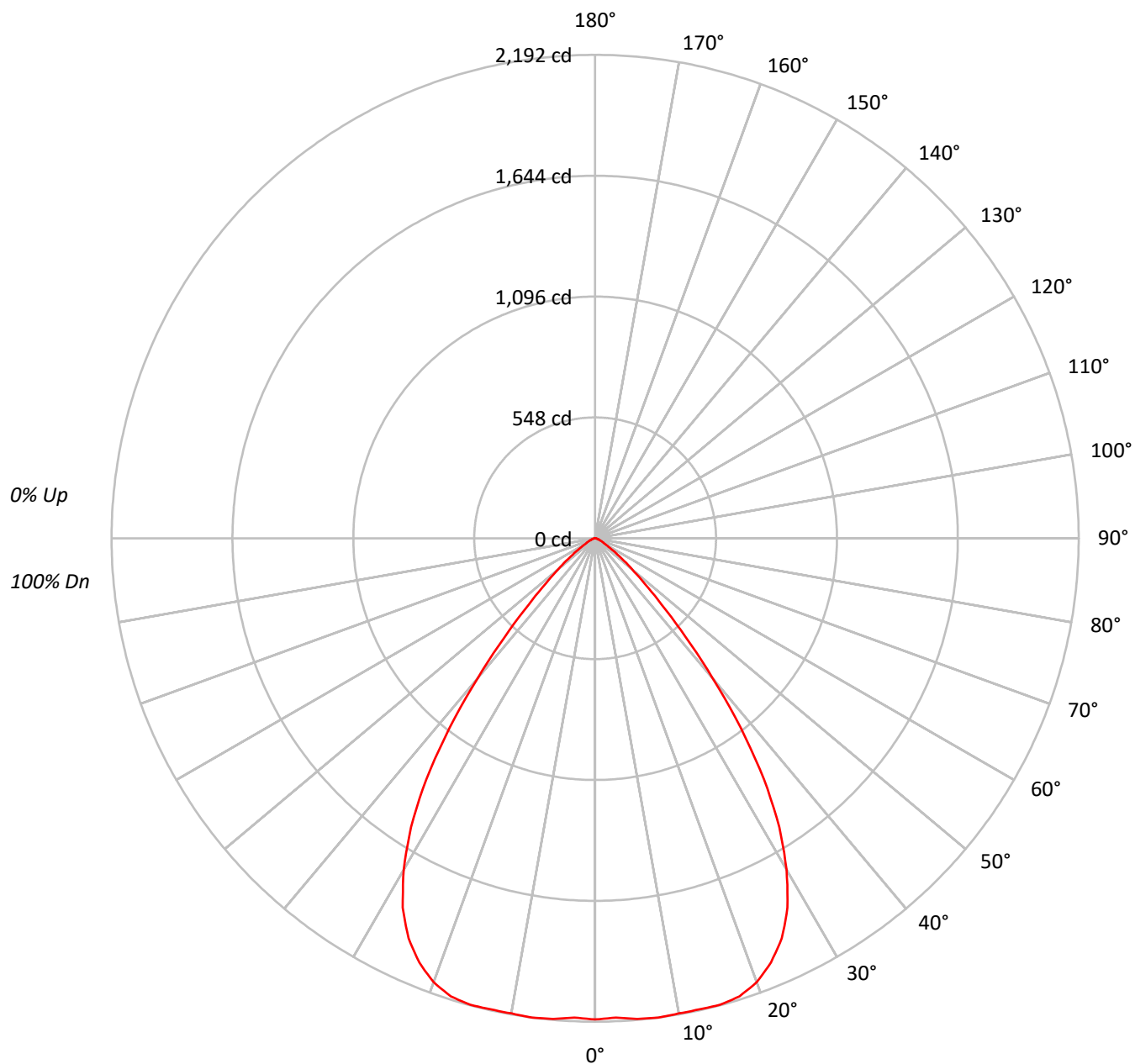
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	105	110	108	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	92	90		93	90	88		90
3	100	93	87	83	98	91	86	82	89	84	81		86	83	80		84
4	94	86	79	75	92	85	79	74	82	77	73		80	76	73		78
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73
6	83	73	67	62	82	73	66	62	71	65	61		70	65	61		68
7	79	68	62	57	77	68	61	57	66	60	56		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	59	53	48	69	59	53	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119596
5°	120394
10°	121786
15°	124280
20°	124978
25°	121084
30°	109846
35°	89309
40°	59282
45°	32988
50°	18498
55°	10265
60°	5657
65°	4294
70°	2965
75°	2182
80°	1326
85°	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.8	6.8
10°-20°	617.4	20.2
20°-30°	910.1	29.8
30°-40°	814.0	26.7
40°-50°	353.1	11.6
50°-60°	103.7	3.4
60°-70°	33.1	1.1
70°-80°	11.7	0.4
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°	1736.3	56.9
0°-40°	2550.3	83.5
0°-60°	3007.2	98.5
0°-90°	3053.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3053.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2182	
5°	2188	209
15°	2190	617
25°	2002	910
35°	1334	814
45°	426	353
55°	107	104
65°	33	33
75°	10	12
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2181.6
2.5°	2175.4
5°	2187.8
7.5°	2191.9
10°	2187.8
12.5°	2187.8
15°	2189.8
17.5°	2177.4
20°	2142.3
22.5°	2082.4
25°	2001.8
27.5°	1888.3
30°	1735.3
32.5°	1553.5
35°	1334.5
37.5°	1084.6
40°	828.4
42.5°	605.3
45°	425.5
47.5°	303.7
50°	216.9
52.5°	154.9
55°	107.4
57.5°	72.3
60°	51.6
62.5°	41.3
65°	33.1
67.5°	24.7
70°	18.5
72.5°	14.5
75°	10.3
77.5°	8.2
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)