

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: P582247

Luminaire Tested: **HC630D010-HM63040935-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582247
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-HM63040935-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2972.3 lumens
Efficiency: N/A
Efficacy: 106.2 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

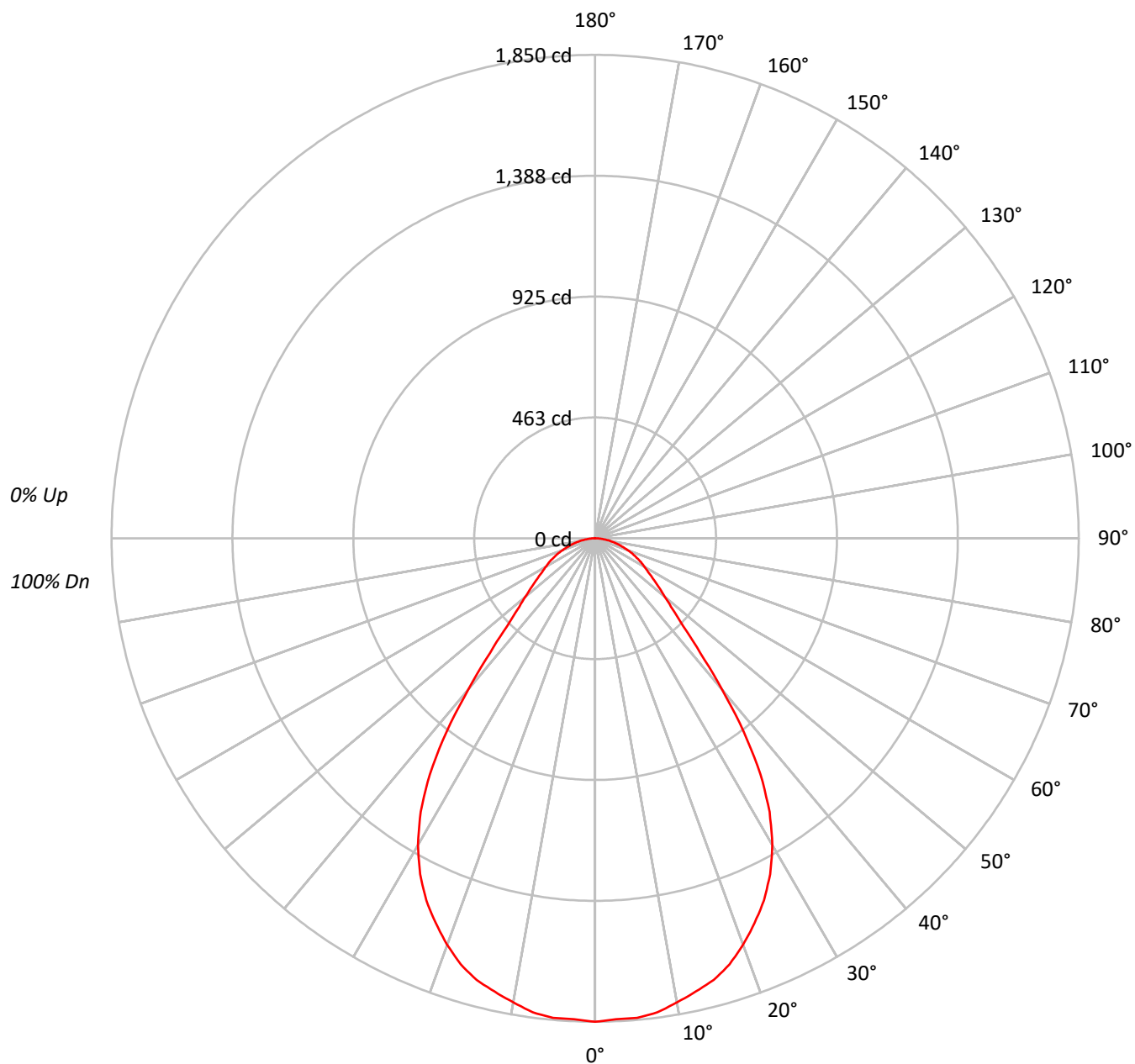
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	101428
5°	101364
10°	100388
15°	99342
20°	96544
25°	92461
30°	85811
35°	73830
40°	53894
45°	36926
50°	29679
55°	25872
60°	23880
65°	22700
70°	21206
75°	19825
80°	17995
85°	15347



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	5.9
10°-20°	491.6	16.5
20°-30°	699.2	23.5
30°-40°	673.1	22.6
40°-50°	387.3	13.0
50°-60°	245.4	8.3
60°-70°	173.7	5.8
70°-80°	99.0	3.3
80°-90°	28.2	0.9
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°	1365.4	45.9
0°-40°	2038.6	68.6
0°-60°	2671.3	89.9
0°-90°	2972.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2972.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1850	
5°	1842	175
15°	1750	492
25°	1529	699
35°	1103	673
45°	476	387
55°	271	245
65°	175	174
75°	94	99
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1850.2
2.5°	1842.0
5°	1842.0
7.5°	1829.9
10°	1803.4
12.5°	1777.0
15°	1750.4
17.5°	1709.8
20°	1654.9
22.5°	1593.7
25°	1528.6
27.5°	1449.3
30°	1355.6
32.5°	1241.6
35°	1103.2
37.5°	934.3
40°	753.1
42.5°	594.4
45°	476.3
47.5°	400.9
50°	348.0
52.5°	305.3
55°	270.7
57.5°	240.2
60°	217.8
62.5°	197.5
65°	175.0
67.5°	154.7
70°	132.3
72.5°	112.0
75°	93.6
77.5°	75.3
80°	57.0
82.5°	40.7
85°	24.4
87.5°	10.2
90°	0.0



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— 0°-180°







(END OF REPORT)